

LUMINARIA LED

MARCA DRITE, REFERENCIA LSL303  
15 W MÁX. (110-220) V BASE GU10  
BOMBILLA LED REF. BOL1019 3000 K 530 Lm



Light Output Ratio:	100.0%	
Luminaire Power:	5.835 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	fine grid method.

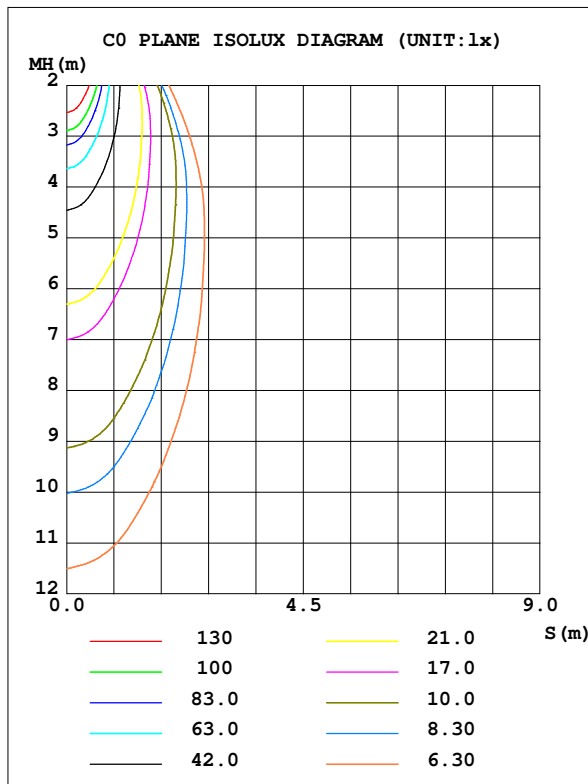
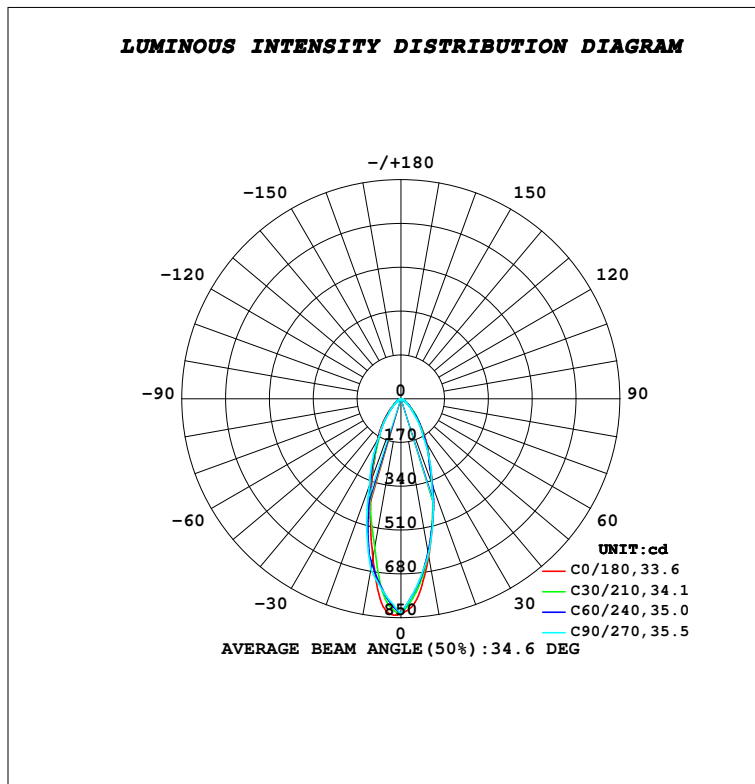
**H(β) Range:-90 - 90DEG**  
**H(β) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:24.7DEG**  
**Operators:JV**  
**Test Date:2021-08-24**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417**  
**Humidity:59%**  
**Test Distance:13.200m [K=1.0000]**  
**Remarks: LUMINARIA LED MÁX. 15 W**  
**QTEST 22211-03**

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm		
NAME: LUMINARIA LED MÁX. 15 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 80.78 lm/W
MODEL	LED BOL1019 7 W	I <sub>max</sub> (cd)	839.9	S/MH (C0/180)		0.55
NOMINAL POWER (W)	7 W	LOR (%)	100.0	S/MH (C90/270)		0.59
RATED VOLTAGE (V)	85-277	TOTAL FLUX (lm)	471.41	η UP, DN (C0-180)		0.0, 50.0
NOMINAL FLUX (lm)	471.405	CIE CLASS	DIRECT	η UP, DN (C180-360)		0.0, 50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.50
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX		0.60



H(β) Range: -90 - 90 DEG  
 H(β) Interval: 1.0 DEG  
 Test Speed: HIGH  
 Temperature: 24.7 DEG  
 Operators: JV  
 Test Date: 2021-08-24

V(B) Range: -90 - 90 DEG  
 V(B) Interval: 5.0 DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.417  
 Humidity: 59%  
 Test Distance: 13.200m [K=1.0000]  
 Remarks: LUMINARIA LED MÁX. 15 W  
 QTEST 22211-03

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

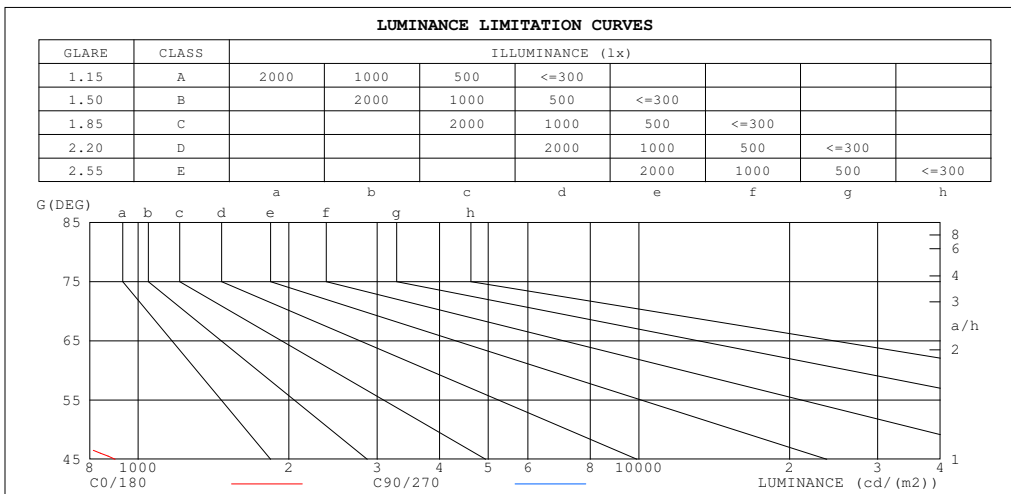
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\phi$ zone	$\phi$ total	$\phi$ lum, lamp
10	621.0	607.8	612.8	591.5	628.0	618.6	672.6	626.0	0- 10	67.35	67.35	14.3,14.3
20	355.7	364.8	350.2	331.7	329.9	340.8	356.6	368.0	10- 20	131.6	199.0	42.2,42.2
30	198.9	189.8	177.9	173.0	182.9	176.3	170.0	183.4	20- 30	116.4	315.4	66.9,66.9
40	97.80	95.18	82.22	84.95	92.49	82.98	74.98	88.15	30- 40	81.71	397.1	84.2,84.2
50	41.18	40.54	32.09	32.95	38.70	34.11	29.25	35.37	40- 50	45.22	442.4	93.8,93.8
60	13.22	12.78	9.393	10.57	13.10	11.88	9.729	11.68	50- 60	20.11	462.5	98.1,98.1
70	3.478	3.428	3.068	3.279	3.917	3.863	3.493	3.536	60- 70	6.439	468.9	99.5,99.5
80	0.6931	0.9413	0.8858	0.8716	1.043	0.9539	0.7594	0.7667	70- 80	2.175	471.1	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	0.3220	471.4	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:24.7DEG**  
**Operators:JV**  
**Test Date:2021-08-24**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417**  
**Humidity:59%**  
**Test Distance:13.200m [K=1.0000]**  
**Remarks: LUMINARIA LED MÁX. 15 W**  
**QTEST 22211-03**

**LUMINANCE LIMITATION CURVES**

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm		
NAME: LUMINARIA LED MÁX. 15 W	TYPE: INTERIOR	WEIGHT: NA
SPEC.: NA	DIM.: NA	SERIAL No.: NA
MFR.: DRITE	SUR.: NA	Shielding Angle: NA



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	0	51
80	40	51
75	71	76
70	102	90
65	129	147
60	264	188
55	442	360
50	641	499
45	900	806

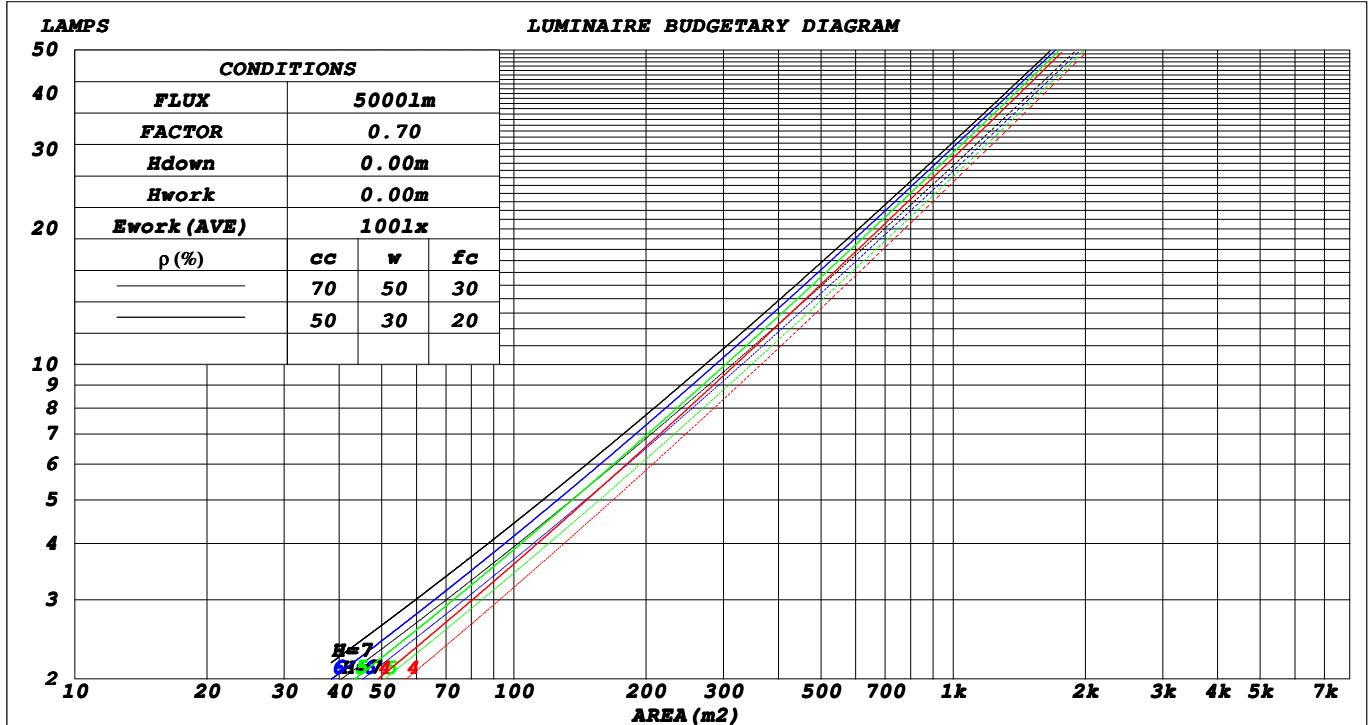
**H(β) Range: -90 - 90DEG**  
**H(β) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature: 24.7DEG**  
**Operators: JV**  
**Test Date: 2021-08-24**

**V(B) Range: -90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.417**  
**Humidity: 59%**  
**Test Distance: 13.200m [K=1.0000]**  
**Remarks: LUMINARIA LED MÁX. 15 W**  
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**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm		
NAME: LUMINARIA LED MÁX. 15 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Coefficients of Utilization (CU)</b>									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.02	.98	.95	1.01	.97	.93	.97	.94	.91	.94	.92	.89	.92	.89	.88	.86
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.89	.85	.82	.86	.83	.81	.79
4.0	.89	.83	.79	.87	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74
5.0	.83	.77	.72	.82	.76	.72	.80	.75	.71	.78	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.67	.77	.71	.67	.75	.70	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.73	.67	.63	.71	.66	.62	.70	.65	.62	.69	.65	.62	.60
8.0	.69	.63	.59	.69	.63	.59	.67	.62	.58	.66	.62	.58	.65	.61	.58	.57
9.0	.65	.59	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.53
10.0	.62	.56	.52	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.52	.51



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V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
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 Humidity:59%  
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**WEC AND CCEC**

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SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients(WEC)</b>									
0.0																
1.0	.185	.105	.033	.179	.102	.032	.166	.095	.030	.154	.089	.029	.144	.083	.027	
2.0	.178	.098	.030	.173	.095	.029	.162	.090	.028	.152	.085	.027	.143	.081	.025	
3.0	.170	.090	.027	.165	.088	.027	.156	.084	.026	.147	.081	.025	.139	.077	.024	
4.0	.161	.084	.025	.157	.082	.024	.149	.079	.024	.142	.076	.023	.135	.073	.022	
5.0	.153	.078	.023	.149	.077	.022	.142	.074	.022	.136	.072	.021	.130	.069	.021	
6.0	.145	.073	.021	.142	.072	.021	.136	.070	.020	.130	.068	.020	.125	.066	.020	
7.0	.138	.068	.019	.135	.067	.019	.130	.066	.019	.125	.064	.019	.120	.062	.018	
8.0	.131	.064	.018	.129	.063	.018	.124	.062	.018	.120	.061	.017	.115	.059	.017	
9.0	.125	.061	.017	.123	.060	.017	.119	.059	.017	.115	.058	.016	.111	.056	.016	
10.0	.120	.057	.016	.118	.057	.016	.114	.056	.016	.110	.055	.016	.107	.054	.015	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients(CCEC)</b>									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.172	.157	.144	.147	.135	.124	.100	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.112	.135	.114	.097	.092	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.145	.114	.088	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.135	.099	.071	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.127	.088	.059	.109	.076	.051	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.119	.078	.049	.102	.068	.043	.071	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.112	.071	.042	.097	.061	.036	.067	.043	.026	.039	.025	.015	.013	.008	.005	
8.0	.107	.065	.036	.092	.056	.031	.063	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.101	.059	.031	.087	.051	.027	.060	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.083	.048	.024	.058	.034	.017	.034	.020	.010	.011	.007	.003	

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:JV  
 Test Date:2021-08-24

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417  
 Humidity:59%  
 Test Distance:13.200m [K=1.0000]  
 Remarks: LUMINARIA LED MÁX. 15 W  
 QTEST 22211-03

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm										
NAME: LUMINARIA LED MÁX. 15 W					TYPE:INTERIOR			WEIGHT:NA		
SPEC.:NA					DIM.: NA			SERIAL No.:NA		
MFR.: DRITE					SUR.:NA			Shielding Angle:NA		
<b>ceiling/cavity</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>
<b>walls</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>
<b>working plane</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>x = 2H y = 2H</b>	<b>10.8</b>	<b>11.8</b>	<b>11.0</b>	<b>11.9</b>	<b>12.1</b>	<b>10.0</b>	<b>11.0</b>	<b>10.3</b>	<b>11.2</b>	<b>11.3</b>
<b>3H</b>	<b>10.7</b>	<b>11.6</b>	<b>11.0</b>	<b>11.8</b>	<b>12.0</b>	<b>10.0</b>	<b>10.9</b>	<b>10.2</b>	<b>11.1</b>	<b>11.3</b>
<b>4H</b>	<b>10.6</b>	<b>11.5</b>	<b>10.9</b>	<b>11.7</b>	<b>11.9</b>	<b>9.9</b>	<b>10.8</b>	<b>10.2</b>	<b>11.0</b>	<b>11.2</b>
<b>6H</b>	<b>10.6</b>	<b>11.4</b>	<b>10.9</b>	<b>11.6</b>	<b>11.9</b>	<b>9.9</b>	<b>10.7</b>	<b>10.2</b>	<b>10.9</b>	<b>11.2</b>
<b>8H</b>	<b>10.5</b>	<b>11.3</b>	<b>10.8</b>	<b>11.5</b>	<b>11.8</b>	<b>9.8</b>	<b>10.6</b>	<b>10.1</b>	<b>10.8</b>	<b>11.1</b>
<b>12H</b>	<b>10.5</b>	<b>11.2</b>	<b>10.8</b>	<b>11.5</b>	<b>11.8</b>	<b>9.8</b>	<b>10.5</b>	<b>10.1</b>	<b>10.8</b>	<b>11.1</b>
<b>4H 2H</b>	<b>10.7</b>	<b>11.5</b>	<b>10.9</b>	<b>11.7</b>	<b>12.0</b>	<b>10.0</b>	<b>10.8</b>	<b>10.2</b>	<b>11.0</b>	<b>11.3</b>
<b>3H</b>	<b>10.6</b>	<b>11.3</b>	<b>10.9</b>	<b>11.6</b>	<b>11.9</b>	<b>9.9</b>	<b>10.7</b>	<b>10.3</b>	<b>10.9</b>	<b>11.2</b>
<b>4H</b>	<b>10.6</b>	<b>11.2</b>	<b>10.9</b>	<b>11.5</b>	<b>11.8</b>	<b>9.9</b>	<b>10.6</b>	<b>10.2</b>	<b>10.9</b>	<b>11.2</b>
<b>6H</b>	<b>10.5</b>	<b>11.1</b>	<b>10.9</b>	<b>11.4</b>	<b>11.8</b>	<b>9.8</b>	<b>10.4</b>	<b>10.2</b>	<b>10.8</b>	<b>11.1</b>
<b>8H</b>	<b>10.4</b>	<b>11.0</b>	<b>10.8</b>	<b>11.3</b>	<b>11.7</b>	<b>9.8</b>	<b>10.3</b>	<b>10.2</b>	<b>10.7</b>	<b>11.1</b>
<b>12H</b>	<b>10.4</b>	<b>10.9</b>	<b>10.8</b>	<b>11.3</b>	<b>11.7</b>	<b>9.8</b>	<b>10.3</b>	<b>10.2</b>	<b>10.6</b>	<b>11.0</b>
<b>8H 4H</b>	<b>10.4</b>	<b>11.0</b>	<b>10.8</b>	<b>11.3</b>	<b>11.7</b>	<b>9.8</b>	<b>10.3</b>	<b>10.2</b>	<b>10.7</b>	<b>11.0</b>
<b>6H</b>	<b>10.4</b>	<b>10.8</b>	<b>10.8</b>	<b>11.2</b>	<b>11.6</b>	<b>9.7</b>	<b>10.2</b>	<b>10.2</b>	<b>10.6</b>	<b>11.0</b>
<b>8H</b>	<b>10.3</b>	<b>10.7</b>	<b>10.8</b>	<b>11.1</b>	<b>11.6</b>	<b>9.7</b>	<b>10.1</b>	<b>10.1</b>	<b>10.5</b>	<b>10.9</b>
<b>12H</b>	<b>10.3</b>	<b>10.6</b>	<b>10.7</b>	<b>11.1</b>	<b>11.5</b>	<b>9.7</b>	<b>10.0</b>	<b>10.1</b>	<b>10.4</b>	<b>10.9</b>
<b>12H 4H</b>	<b>10.4</b>	<b>10.9</b>	<b>10.8</b>	<b>11.3</b>	<b>11.6</b>	<b>9.7</b>	<b>10.2</b>	<b>10.1</b>	<b>10.6</b>	<b>11.0</b>
<b>6H</b>	<b>10.3</b>	<b>10.7</b>	<b>10.8</b>	<b>11.1</b>	<b>11.6</b>	<b>9.7</b>	<b>10.1</b>	<b>10.1</b>	<b>10.5</b>	<b>10.9</b>
<b>8H</b>	<b>10.3</b>	<b>10.6</b>	<b>10.7</b>	<b>11.1</b>	<b>11.5</b>	<b>9.6</b>	<b>10.0</b>	<b>10.1</b>	<b>10.4</b>	<b>10.9</b>
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	<b>+ 1.8 / - 3.6</b>					<b>+ 1.8 / - 3.7</b>				
<b>1.5H</b>	<b>+ 2.1 / - 2.2</b>					<b>+ 2.1 / - 2.5</b>				
<b>2.0H</b>	<b>+ 3.6 / - 4.9</b>					<b>+ 3.6 / - 5.6</b>				

CIE Pub.117, 471.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.6)  
 Area: 0.1 m2

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:JV  
 Test Date:2021-08-24

V(B) Range:-90 - 90DEG  
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 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417  
 Humidity:59%  
 Test Distance:13.200m [K=1.0000]  
 Remarks: LUMINARIA LED MÁX. 15 W  
 QTEST 22211-03

**UTILIZATION FACTORS TABLE**

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm		
NAME: LUMINARIA LED MÁX. 15 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

<b>REFLECTANCE</b>										
<b>Ceiling</b>	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
<b>Walls</b>	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
<b>Working plane</b>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
<b>ROOM INDEX</b>	<b>UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5</b>									
<b>k = 0.60</b>	81	74	70	81	74	70	80	73	69	65
<b>0.80</b>	90	83	78	89	83	78	88	82	78	74
<b>1.00</b>	95	89	85	94	88	84	93	89	84	79
<b>1.25</b>	100	94	90	99	94	90	97	92	89	84
<b>1.50</b>	103	98	94	102	97	93	100	96	92	87
<b>2.00</b>	107	102	98	105	101	98	102	99	96	91
<b>2.50</b>	109	104	101	107	103	100	104	101	98	92
<b>3.00</b>	111	107	104	109	105	102	105	103	100	94
<b>4.00</b>	113	110	107	111	108	106	107	105	103	96
<b>5.00</b>	114	111	109	112	110	108	108	106	105	97
<b>ROOM INDEX</b>	<b>UF(total)</b>									<b>Direct</b>
<b>According to DIN EN 13032-2 2004</b>			<b>Suspended</b>				<b>SHRNOM = 1.25</b>			

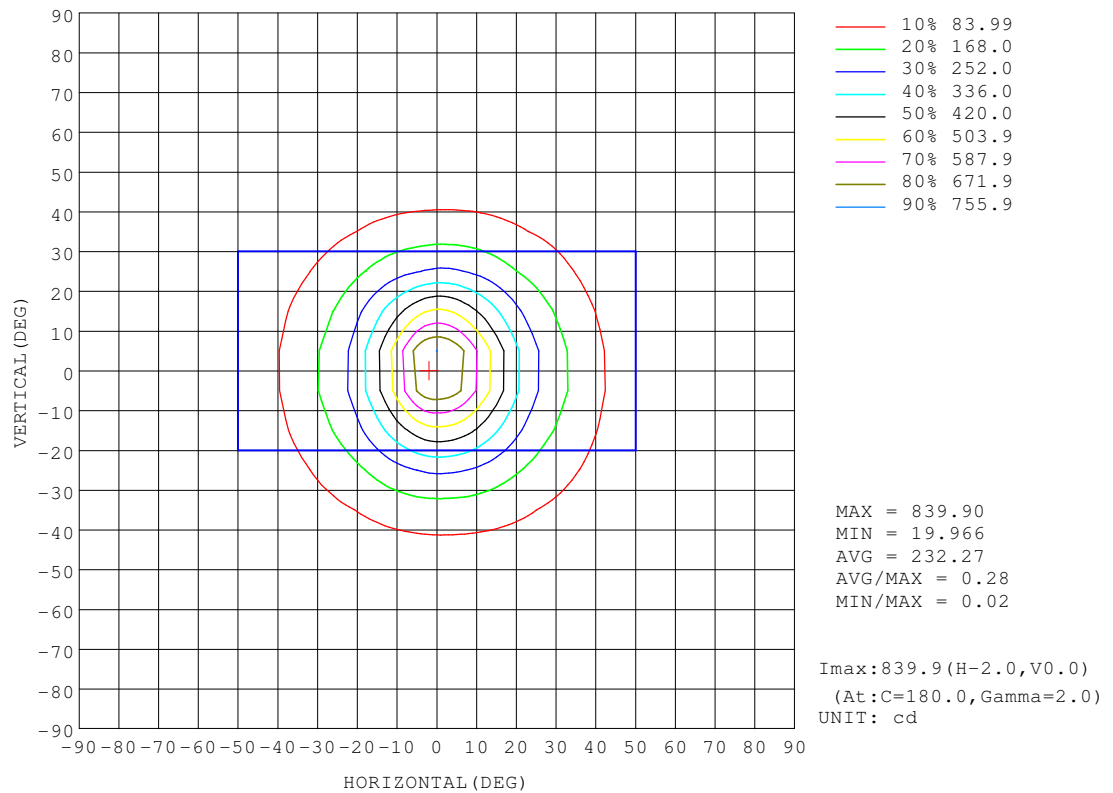
H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:JV  
 Test Date:2021-08-24

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417  
 Humidity:59%  
 Test Distance:13.200m [K=1.0000]  
 Remarks: LUMINARIA LED MÁX. 15 W  
 QTEST 22211-03



ISOCANDELA DIAGRAM

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm		
NAME: LUMINARIA LED MÁX. 15 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

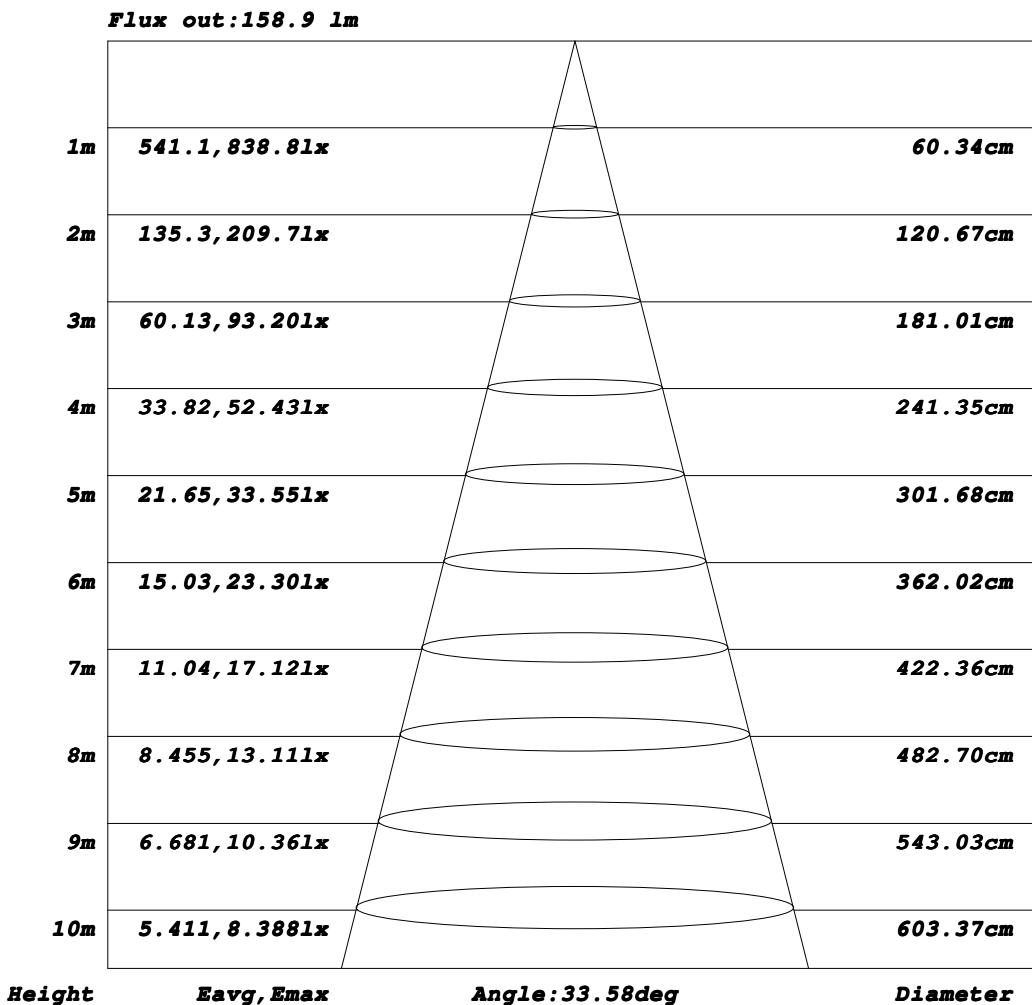


**H(β) Range:-90 - 90DEG**  
**H(β) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:24.7DEG**  
**Operators:JV**  
**Test Date:2021-08-24**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417**  
**Humidity:59%**  
**Test Distance:13.200m [K=1.0000]**  
**Remarks: LUMINARIA LED MÁX. 15 W**  
**QTEST 22211-03**

**AAI Figure**

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm		
NAME: LUMINARIA LED MÁX. 15 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA



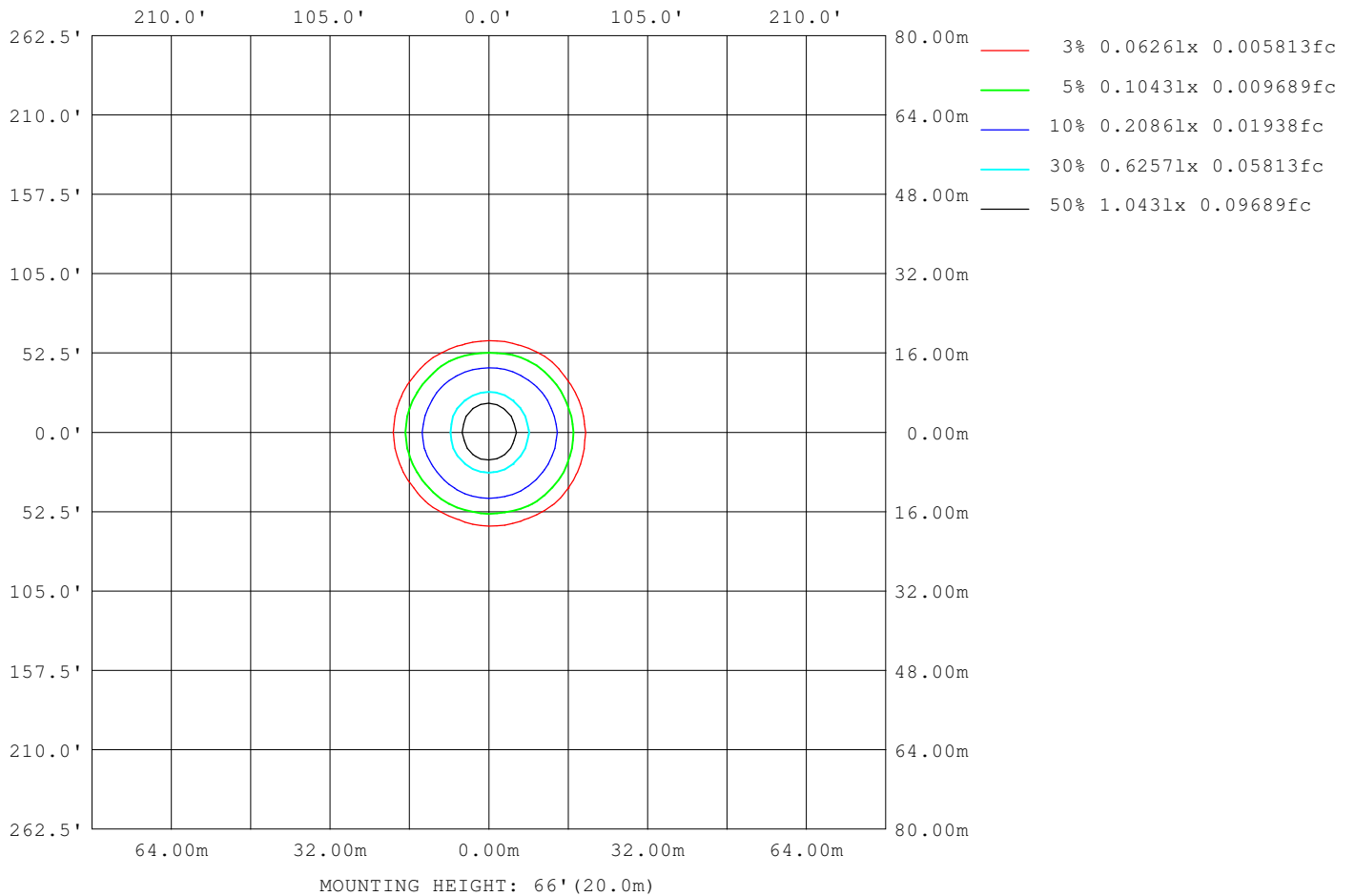
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:JV  
 Test Date:2021-08-24

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417  
 Humidity:59%  
 Test Distance:13.200m [K=1.0000]  
 Remarks: LUMINARIA LED MÁX. 15 W  
 QTEST 22211-03

**ISOLUX DIAGRAM**

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm		
NAME: LUMINARIA LED MÁX. 15 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA



**H(β) Range:-90 - 90DEG**  
**H(β) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:24.7DEG**  
**Operators:JV**  
**Test Date:2021-08-24**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417**  
**Humidity:59%**  
**Test Distance:13.200m [K=1.0000]**  
**Remarks: LUMINARIA LED MÁX. 15 W**  
**QTEST 22211-03**

**LED Avg.L Report**

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm		
NAME: LUMINARIA LED MÁX. 15 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

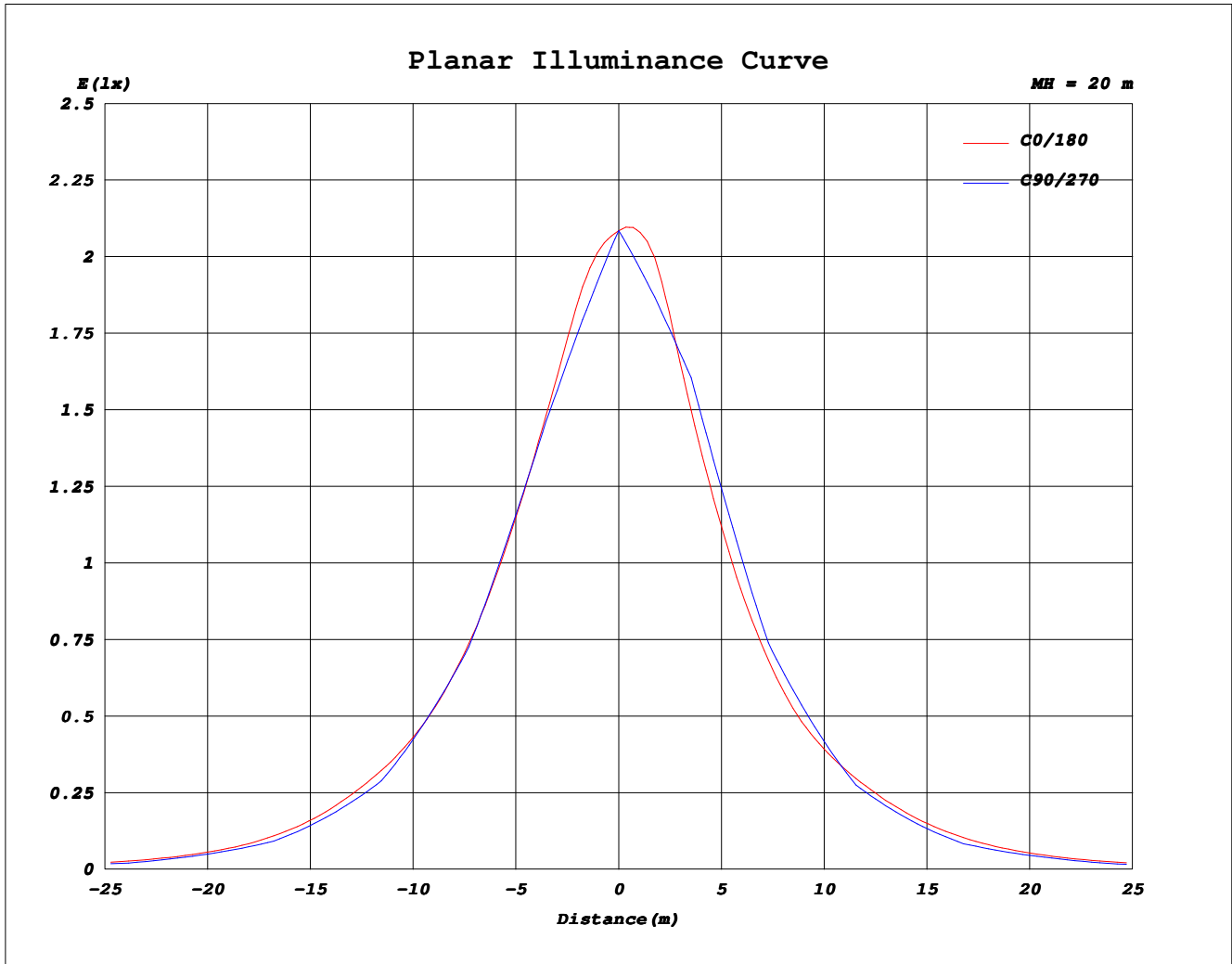
AvgL	cd/m2
L_0~180 (65) av	136
L_0~180 (75) av	77
L_0~180 (85) av	4
L_90~270 (65) av	152
L_90~270 (75) av	79
L_90~270 (85) av	47
L_45 (65) av	155
L_45 (75) av	76
L_45 (85) av	24

Standard: GB/T 29293-2012

**H(β) Range:-90 - 90DEG**  
**H(β) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:24.7DEG**  
**Operators:JV**  
**Test Date:2021-08-24**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417**  
**Humidity:59%**  
**Test Distance:13.200m [K=1.0000]**  
**Remarks: LUMINARIA LED MÁX. 15 W**  
**QTEST 22211-03**

Planar Illuminance Curve



H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:24.7DEG  
Operators:JV  
Test Date:2021-08-24

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417  
Humidity:59%  
Test Distance:13.200m [K=1.0000]  
Remarks: LUMINARIA LED MÁX. 15 W  
QTEST 22211-03

MARCA DRITE, REFERENCIA LSL303  
15 W MÁX. (110-220) V BASE GU10  
BOMBILLA LED REF. BOL1019 3000 K 530 Lm

Test Distance: 13.200 metres  
Test Temperature: 24.7 degrees Celsius

Significance: PHOTOMETRIC TEST  
D-LUX  
Carrera 46 # 14-213, Medellín - Antioquia  
SAMPLES RECEIVED IN 2021-08-19

Special Notes: TEST EQUIPMENT

GONIOPHOTOMETER SYSTEM: 109A  
POWER SUPPLY: 107A  
POWER ANALIZER: 110A  
THERMOHYGROMETER 294M

Environmental Conditions: 25 ± 1 °C temperature and 50 ± 15% RH  
The results reported here relate only to the elements tested.  
This test report should not be partially reproduced,  
Without the approval of the QTEST Laboratory.

Checked / Approved: Checked  
JORGE VALENCIA

Approved  
CLAUDIA BETANCUR

Testing Procedure: IESNA LM 79 de 2019 numeral 10

*H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:24.7DEG  
Operators:JV  
Test Date:2021-08-24*

*V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417  
Humidity:59%  
Test Distance:13.200m [K=1.0000]  
Remarks: LUMINARIA LED MÁX. 15 W  
QTEST 22211-03*

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm		
NAME: LUMINARIA LED MÁX. 15 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834
5	770	763	757	752	748	744	741	739	737	735	733	731	730	728	727	726	726	726	726
10	621	616	612	611	611	612	614	611	609	608	607	606	606	607	608	609	611	613	613
15	477	475	475	479	482	478	476	475	475	476	478	480	481	483	483	484	484	483	482
20	356	355	358	361	355	352	352	356	361	365	364	361	359	357	355	353	351	349	350
25	264	264	267	262	257	257	261	267	263	258	253	254	259	263	266	267	266	264	264
30	199	200	200	193	191	193	193	190	186	190	193	194	193	192	189	185	181	179	178
35	144	148	147	142	145	144	139	139	141	140	138	135	135	136	135	134	132	131	130
40	97.8	103	99.6	100	103	98.5	100	101	97.6	95.2	96.8	97.5	95.9	92.8	89.5	86.3	84.0	82.4	82.2
45	63.6	68.4	64.6	68.3	65.2	66.9	68.2	64.7	66.5	67.5	64.9	61.4	59.7	59.8	59.5	58.7	58.2	57.5	57.0
50	41.2	43.7	42.2	42.9	42.3	43.2	41.8	44.3	43.1	40.5	41.4	41.6	40.7	39.1	37.4	35.5	33.9	32.8	32.1
55	25.3	26.5	26.9	25.2	26.7	25.2	26.9	25.4	25.9	26.5	25.4	23.5	22.9	22.9	22.5	22.1	21.5	21.1	20.7
60	13.2	13.7	14.4	14.5	13.1	14.1	13.2	14.4	13.3	12.8	13.7	13.6	12.9	12.1	11.4	10.7	10.0	9.61	9.39
65	5.44	5.50	5.53	5.71	6.34	5.90	6.57	5.55	6.60	7.03	6.25	5.07	5.33	5.73	6.11	6.32	6.32	6.29	6.22
70	3.48	3.65	3.70	3.64	3.52	3.43	3.51	3.52	3.40	3.43	3.47	3.42	3.44	3.47	3.42	3.31	3.19	3.10	3.07
75	1.83	1.93	1.95	1.99	1.91	1.98	1.92	2.07	2.03	1.93	1.89	1.92	1.96	1.99	1.99	1.99	1.99	1.98	1.98
80	0.69	0.85	0.89	0.89	0.88	0.90	0.89	0.94	0.95	0.94	0.92	0.91	0.91	0.90	0.90	0.90	0.89	0.89	0.89
85	0.00	0.06	0.10	0.14	0.18	0.17	0.13	0.18	0.22	0.27	0.30	0.34	0.37	0.39	0.41	0.43	0.44	0.44	0.44
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:JV  
 Test Date:2021-08-24

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417  
 Humidity:59%  
 Test Distance:13.200m [K=1.0000]  
 Remarks: LUMINARIA LED MÁX. 15 W  
 QTEST 22211-03

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm		
NAME: LUMINARIA LED MÁX. 15 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834
5	727	728	729	730	731	733	735	738	741	745	750	755	761	769	777	787	797	809	799
10	614	616	617	615	613	609	603	598	591	584	578	573	577	583	591	601	613	628	615
15	481	479	475	472	470	469	468	469	472	470	456	444	433	424	427	435	447	461	448
20	350	351	350	348	345	342	338	334	332	334	338	342	332	318	307	309	318	330	318
25	263	261	258	255	253	251	249	246	242	236	231	236	242	240	230	224	230	239	229
30	179	181	183	183	182	179	175	174	173	174	172	169	171	179	178	171	174	183	173
35	129	129	129	128	128	127	126	124	122	122	125	128	124	126	134	127	126	135	126
40	81.6	81.7	82.2	83.1	83.7	84.0	84.1	85.2	84.9	83.9	82.1	84.9	87.9	83.8	87.3	87.7	84.1	92.5	84.5
45	56.0	55.3	54.6	54.0	53.5	52.9	53.3	53.5	52.9	53.7	54.4	53.4	55.1	56.8	54.2	59.3	54.3	60.8	54.3
50	32.0	32.5	33.3	34.0	34.3	34.0	33.5	33.4	32.9	33.1	33.1	34.6	33.8	35.3	35.1	36.8	35.0	38.7	35.1
55	20.4	20.3	20.4	20.4	20.3	19.9	19.7	19.7	19.5	20.0	20.3	19.6	21.0	20.3	22.5	21.3	22.1	23.9	22.3
60	9.40	9.52	9.93	10.2	10.6	10.8	11.0	11.0	10.6	10.4	10.4	10.8	10.3	11.3	10.6	11.0	12.2	13.1	12.7
65	6.13	5.94	5.82	5.48	5.23	5.03	4.89	5.53	5.71	5.41	5.17	5.34	5.31	5.24	5.47	5.62	5.84	6.05	6.18
70	3.09	3.14	3.22	3.26	3.24	3.21	3.19	3.21	3.28	3.28	3.23	3.23	3.35	3.30	3.27	3.34	3.53	3.92	3.73
75	1.97	1.95	1.95	1.94	1.91	1.87	1.83	1.83	1.87	1.91	1.85	1.85	1.85	1.85	1.81	1.87	1.95	2.17	2.13
80	0.88	0.88	0.88	0.89	0.88	0.88	0.86	0.87	0.87	0.88	0.89	0.87	0.83	0.82	0.75	0.72	0.77	1.04	0.95
85	0.44	0.43	0.42	0.40	0.38	0.35	0.32	0.29	0.25	0.21	0.16	0.12	0.13	0.12	0.09	0.05	0.00	0.07	0.03
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:JV  
 Test Date:2021-08-24

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417  
 Humidity:59%  
 Test Distance:13.200m [K=1.0000]  
 Remarks: LUMINARIA LED MÁX. 15 W  
 QTEST 22211-03



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm		
NAME: LUMINARIA LED MÁX. 15 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

Table--3

UNIT: cd

C (DEG) \ γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834
5	791	783	776	771	767	764	761	759	758	757	756	756	755	755	756	756	756	755	755
10	605	597	591	587	586	596	607	619	630	641	651	659	665	669	672	674	673	668	662
15	438	432	431	444	458	474	491	493	492	492	494	497	499	503	507	510	515	515	514
20	310	307	320	336	350	346	343	341	343	347	350	352	352	354	354	356	357	357	359
25	222	227	237	241	237	233	239	245	249	251	251	253	253	254	257	259	263	264	266
30	169	174	174	169	169	174	178	176	175	175	176	177	176	174	172	170	170	171	174
35	126	131	124	122	126	125	121	122	123	124	123	123	122	122	121	122	122	123	125
40	88.4	88.0	84.3	87.8	84.8	81.9	82.7	83.0	83.5	82.5	82.2	81.5	80.1	78.2	76.5	75.3	75.0	76.1	77.9
45	59.6	54.3	57.2	55.9	54.4	55.7	54.5	53.0	53.0	52.0	51.6	52.1	52.1	52.0	51.8	51.7	52.0	52.7	53.5
50	36.9	35.3	35.7	34.4	35.7	34.1	34.2	34.1	33.9	33.5	33.2	32.8	32.0	31.0	30.0	29.3	29.2	29.9	30.9
55	21.9	23.4	21.5	22.3	20.9	21.5	21.1	20.6	20.8	20.1	19.8	19.6	19.5	19.4	19.4	19.4	19.5	19.7	20.0
60	12.1	12.1	13.1	12.1	12.6	11.8	11.8	11.9	12.1	11.9	11.5	11.1	10.8	10.4	10.1	9.90	9.73	9.73	10.1
65	6.31	6.30	6.18	6.43	6.46	6.26	6.53	6.69	6.40	5.79	5.88	6.08	6.30	6.46	6.55	6.63	6.63	6.58	6.59
70	3.72	3.77	3.88	3.99	3.84	3.88	3.95	3.86	3.78	3.76	3.77	3.80	3.78	3.70	3.61	3.53	3.49	3.50	3.54
75	2.15	2.15	2.25	2.21	2.23	2.23	2.23	2.16	2.11	2.13	2.17	2.19	2.19	2.17	2.16	2.14	2.13	2.12	2.10
80	0.98	1.02	1.07	1.03	1.08	1.06	0.99	0.95	0.94	0.92	0.91	0.89	0.87	0.83	0.81	0.78	0.76	0.74	0.73
85	0.11	0.12	0.15	0.11	0.06	0.13	0.18	0.23	0.27	0.31	0.33	0.36	0.37	0.38	0.39	0.39	0.38	0.37	0.36
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:JV  
 Test Date:2021-08-24

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417  
 Humidity:59%  
 Test Distance:13.200m [K=1.0000]  
 Remarks: LUMINARIA LED MÁX. 15 W  
 QTEST 22211-03

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.0831A P:5.8354W PF:0.5846 Freq:60.00Hz Lamp Flux:471.405x1 lm		
NAME: LUMINARIA LED MÁX. 15 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

Table--4

UNIT: cd

C (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834				
5	754	753	753	752	752	752	751	751	752	752	753	755	758	761	765				
10	655	648	642	637	632	628	626	624	624	625	621	617	615	615	617				
15	511	508	503	498	494	490	488	485	483	482	482	485	481	477	475				
20	360	360	361	363	366	369	368	363	359	356	355	357	362	359	355				
25	265	263	260	257	252	250	255	260	265	260	256	257	262	267	264				
30	178	181	184	186	188	185	183	183	188	193	194	192	194	200	200				
35	126	127	127	126	125	130	135	137	135	136	141	142	139	144	147				
40	80.7	83.5	86.4	88.9	90.5	90.1	88.1	90.8	95.0	94.0	92.2	97.5	96.5	97.5	101				
45	54.4	55.0	55.0	55.0	56.2	59.3	61.2	59.3	57.2	61.5	61.8	61.9	65.7	63.0	67.5				
50	32.3	34.0	35.6	37.0	37.6	36.6	35.4	37.5	38.8	37.3	39.9	40.0	41.3	41.1	43.2				
55	20.3	20.6	20.7	20.6	20.9	22.3	23.1	22.5	22.3	24.2	23.0	24.9	23.9	26.0	26.2				
60	10.5	10.9	11.5	12.1	12.6	12.4	11.7	12.1	13.1	12.2	13.1	12.4	13.9	14.0	13.6				
65	6.49	6.23	5.88	5.58	5.39	6.23	6.78	6.44	5.57	6.45	5.91	6.37	5.79	5.60	5.60				
70	3.62	3.66	3.63	3.59	3.58	3.58	3.54	3.42	3.53	3.58	3.47	3.63	3.71	3.75	3.69				
75	2.09	2.07	2.02	1.96	1.89	1.85	1.87	1.96	2.00	1.89	1.95	1.91	2.01	1.98	1.95				
80	0.73	0.72	0.73	0.73	0.74	0.75	0.77	0.78	0.77	0.71	0.73	0.74	0.79	0.83	0.84				
85	0.33	0.30	0.27	0.24	0.20	0.15	0.10	0.04	0.00	0.00	0.07	0.07	0.00	0.01	0.02				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:JV  
 Test Date:2021-08-24

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.417  
 Humidity:59%  
 Test Distance:13.200m [K=1.0000]  
 Remarks: LUMINARIA LED MÁX. 15 W  
 QTEST 22211-03