

LUMINARIA LED

MARCA DRITE, REFERENCIA OJL605  
10 W (100-240) V 50/60 Hz 800 Lm 3000 K



Light Output Ratio:	100.0%	
Luminaire Power:	10.74 W	
SHR Nominal:	1.00	Calculated using the TM5
SHR Maximum:	1.10	fine grid method.

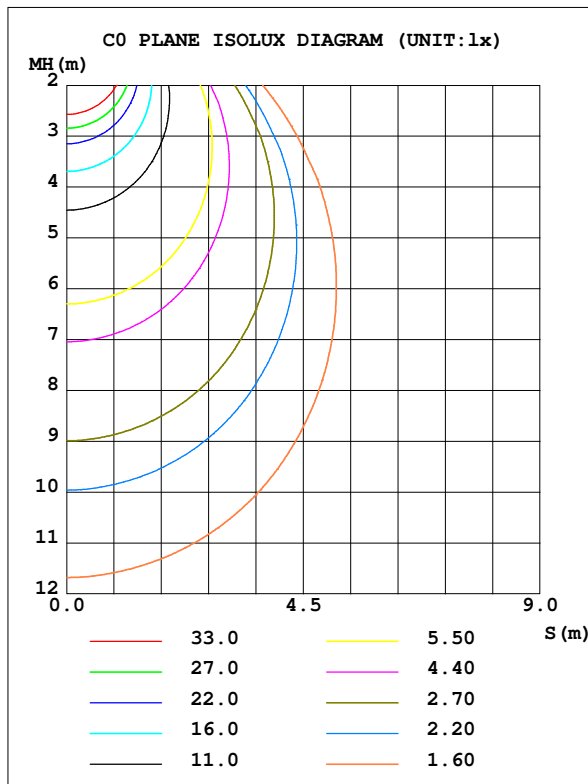
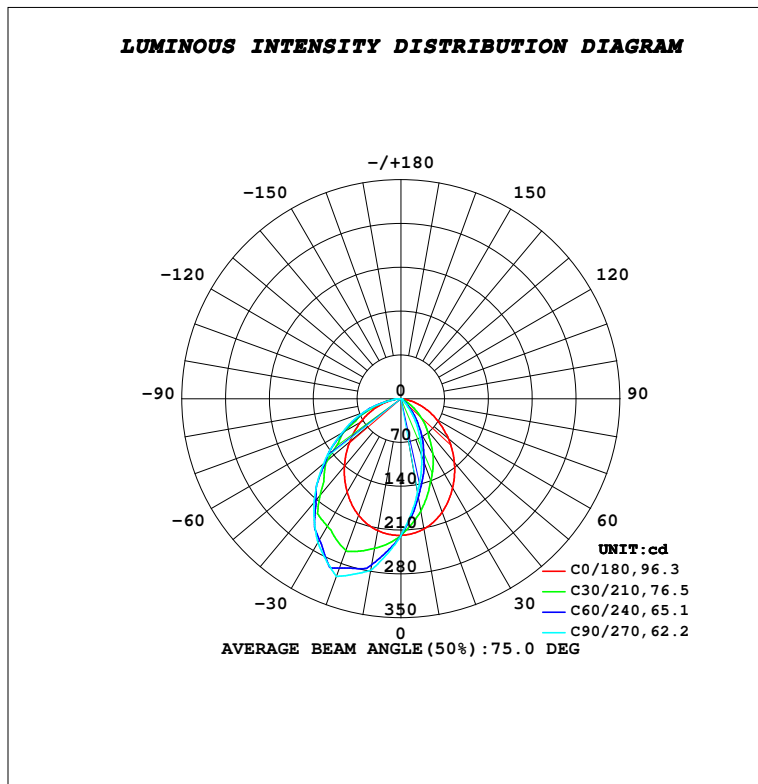
**H(β) Range:-90 - 90DEG**  
**H(β) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:24.7DEG**  
**Operators:JV**  
**Test Date:2021-08-24**

**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 TIPO DOWNLIGHT 10 W**  
**QTEST 22211-01**

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm		
NAME: LUMINARIA LED 10 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: 43.83 lm/W
MODEL	ARREGLO LED	I <sub>max</sub> (cd)	302.2	S/MH (C0/180)	1.14	
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)	1.54	
RATED VOLTAGE (V)	100-240	TOTAL FLUX (lm)	470.86	η UP, DN (C0-180)	0.0, 23.2	
NOMINAL FLUX (lm)	470.86	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 76.8	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00	
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	1.10	



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 TIPO DOWNLIGHT 10 W  
 QTEST 22211-01

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

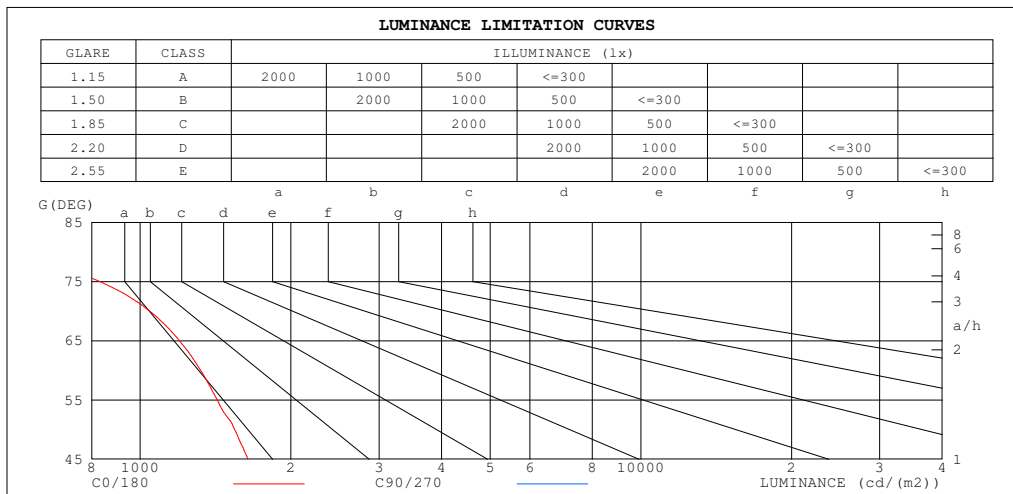
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\phi$ zone	$\phi$ total	$\phi$ lum, lamp
10	211.4	169.8	152.8	169.7	214.0	257.3	278.2	256.9	0- 10	20.59	20.59	4.37,4.37
20	193.0	123.1	96.63	122.4	198.3	270.6	302.2	272.9	10- 20	58.26	78.85	16.7,16.7
30	165.2	79.05	53.29	80.55	172.2	257.7	265.6	253.6	20- 30	84.06	162.9	34.6,34.6
40	133.0	44.14	18.62	45.12	140.6	211.8	216.3	201.5	30- 40	91.53	254.4	54,54
50	99.27	15.27	2.134	15.74	106.9	159.3	161.4	149.2	40- 50	83.12	337.6	71.7,71.7
60	66.01	1.362	0.1623	1.513	74.35	106.9	108.3	99.34	50- 60	65.03	402.6	85.5,85.5
70	35.73	0.0373	0.0168	0.0536	43.28	59.55	63.14	55.97	60- 70	43.23	445.8	94.7,94.7
80	8.156	0	0	0	15.27	20.70	15.54	19.53	70- 80	21.03	466.9	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	4.006	470.9	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 TIPO DOWNLIGHT 10 W  
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LUMINANCE LIMITATION CURVES

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm		
NAME: LUMINARIA LED 10 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	0
80	470	0
75	829	0
70	1045	0
65	1198	2
60	1320	3
55	1425	20
50	1544	33
45	1642	147

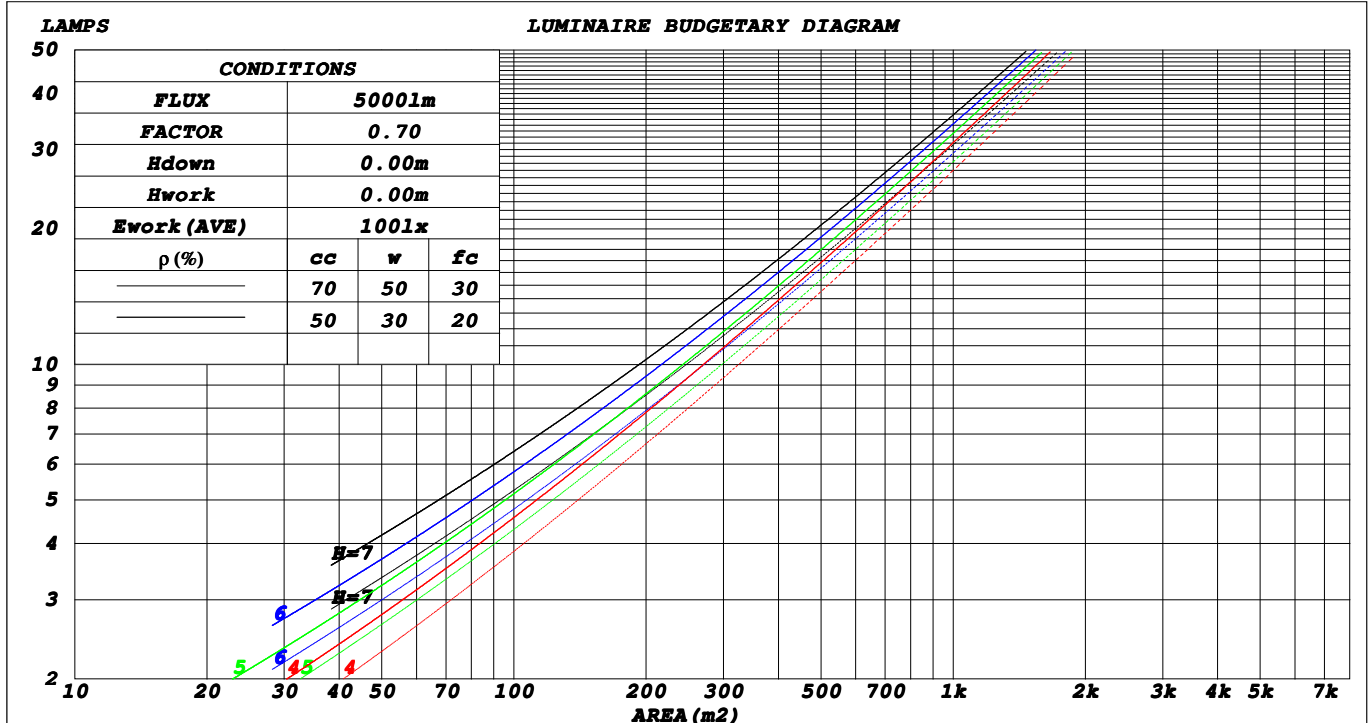
**H(β) Range: -90 - 90DEG**  
**H(β) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature: 24.7DEG**  
**Operators: JV**  
**Test Date: 2021-08-24**

**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 TIPO DOWNLIGHT 10 W**  
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**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm		
NAME: LUMINARIA LED 10 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	1.06	1.02	.99	1.04	1.00	.97	.99	.97	.94	.96	.93	.91	.92	.90	.88	.86
2.0	.94	.88	.82	.92	.86	.81	.88	.84	.80	.85	.81	.78	.82	.79	.76	.74
3.0	.83	.76	.70	.82	.75	.69	.79	.73	.68	.76	.71	.67	.74	.70	.66	.64
4.0	.75	.67	.60	.73	.66	.60	.71	.64	.59	.69	.63	.58	.67	.62	.58	.56
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.51	.49
6.0	.61	.53	.47	.60	.52	.47	.58	.51	.46	.57	.51	.46	.55	.50	.45	.43
7.0	.56	.48	.42	.55	.47	.42	.53	.46	.41	.52	.46	.41	.51	.45	.41	.39
8.0	.51	.43	.38	.51	.43	.37	.49	.42	.37	.48	.42	.37	.47	.41	.37	.35
9.0	.47	.39	.34	.47	.39	.34	.46	.39	.34	.44	.38	.34	.43	.38	.34	.32
10.0	.44	.36	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.40	.35	.31	.29



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

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NAME: LUMINARIA LED 10 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>Wall Exitance Coefficients(WEC)</b>									
0.0																
1.0	.272	.154	.049	.265	.151	.048	.252	.144	.046	.240	.138	.044	.229	.132	.043	
2.0	.260	.143	.044	.254	.140	.043	.243	.135	.042	.232	.130	.041	.223	.126	.040	
3.0	.244	.130	.039	.239	.128	.039	.229	.124	.038	.220	.120	.037	.211	.117	.036	
4.0	.228	.118	.035	.223	.117	.035	.214	.114	.034	.206	.111	.033	.199	.108	.033	
5.0	.213	.108	.031	.209	.107	.031	.201	.104	.031	.193	.102	.030	.186	.100	.030	
6.0	.199	.100	.029	.195	.099	.028	.188	.096	.028	.182	.094	.028	.175	.092	.027	
7.0	.186	.092	.026	.183	.091	.026	.177	.089	.026	.171	.088	.025	.165	.086	.025	
8.0	.175	.085	.024	.172	.085	.024	.166	.083	.024	.161	.082	.024	.156	.080	.023	
9.0	.165	.080	.022	.162	.079	.022	.157	.078	.022	.152	.076	.022	.148	.075	.022	
10.0	.155	.075	.021	.153	.074	.021	.149	.073	.020	.144	.072	.020	.140	.071	.020	

$\rho_{cc}$	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	.178	.156	.137	.152	.134	.118	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.168	.132	.102	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.160	.114	.078	.137	.098	.068	.094	.068	.047	.054	.040	.028	.017	.013	.009	
4.0	.152	.101	.061	.130	.087	.053	.089	.061	.038	.052	.035	.022	.017	.012	.007	
5.0	.144	.090	.050	.124	.078	.043	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.137	.081	.041	.118	.070	.036	.081	.049	.025	.047	.029	.015	.015	.009	.005	
7.0	.131	.074	.035	.112	.064	.030	.078	.045	.022	.045	.027	.013	.015	.009	.004	
8.0	.124	.069	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.119	.064	.026	.102	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003	
10.0	.113	.059	.023	.098	.051	.020	.068	.036	.014	.040	.021	.009	.013	.007	.003	

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 TIPO DOWNLIGHT 10 W  
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UGR(Unified Glare Rating) Table

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm										
NAME: LUMINARIA LED 10 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>13.2</b>	<b>14.6</b>	<b>13.4</b>	<b>14.7</b>	<b>14.9</b>	<b>1.0</b>	<b>2.4</b>	<b>1.2</b>	<b>2.6</b>	<b>2.8</b>
<b>3H</b>	<b>14.4</b>	<b>15.7</b>	<b>14.7</b>	<b>15.9</b>	<b>16.1</b>	<b>0.8</b>	<b>2.1</b>	<b>1.1</b>	<b>2.3</b>	<b>2.5</b>
<b>4H</b>	<b>14.8</b>	<b>16.0</b>	<b>15.1</b>	<b>16.2</b>	<b>16.5</b>	<b>0.7</b>	<b>1.9</b>	<b>1.0</b>	<b>2.1</b>	<b>2.4</b>
<b>6H</b>	<b>14.9</b>	<b>16.0</b>	<b>15.2</b>	<b>16.3</b>	<b>16.6</b>	<b>0.6</b>	<b>1.7</b>	<b>0.9</b>	<b>2.0</b>	<b>2.2</b>
<b>8H</b>	<b>14.9</b>	<b>16.0</b>	<b>15.2</b>	<b>16.3</b>	<b>16.5</b>	<b>0.5</b>	<b>1.6</b>	<b>0.8</b>	<b>1.9</b>	<b>2.2</b>
<b>12H</b>	<b>14.8</b>	<b>15.9</b>	<b>15.2</b>	<b>16.2</b>	<b>16.5</b>	<b>0.5</b>	<b>1.5</b>	<b>0.8</b>	<b>1.8</b>	<b>2.1</b>
<b>4H 2H</b>	<b>12.8</b>	<b>14.1</b>	<b>13.1</b>	<b>14.3</b>	<b>14.6</b>	<b>1.5</b>	<b>2.8</b>	<b>1.8</b>	<b>3.0</b>	<b>3.3</b>
<b>3H</b>	<b>14.1</b>	<b>15.1</b>	<b>14.4</b>	<b>15.4</b>	<b>15.7</b>	<b>1.3</b>	<b>2.4</b>	<b>1.7</b>	<b>2.7</b>	<b>3.0</b>
<b>4H</b>	<b>14.5</b>	<b>15.4</b>	<b>14.8</b>	<b>15.7</b>	<b>16.1</b>	<b>1.2</b>	<b>2.2</b>	<b>1.6</b>	<b>2.5</b>	<b>2.8</b>
<b>6H</b>	<b>14.6</b>	<b>15.5</b>	<b>15.0</b>	<b>15.8</b>	<b>16.2</b>	<b>1.1</b>	<b>2.0</b>	<b>1.5</b>	<b>2.3</b>	<b>2.7</b>
<b>8H</b>	<b>14.6</b>	<b>15.4</b>	<b>15.0</b>	<b>15.7</b>	<b>16.1</b>	<b>1.1</b>	<b>1.9</b>	<b>1.5</b>	<b>2.2</b>	<b>2.6</b>
<b>12H</b>	<b>14.5</b>	<b>15.3</b>	<b>15.0</b>	<b>15.6</b>	<b>16.0</b>	<b>1.0</b>	<b>1.8</b>	<b>1.5</b>	<b>2.2</b>	<b>2.6</b>
<b>8H 4H</b>	<b>14.3</b>	<b>15.1</b>	<b>14.7</b>	<b>15.5</b>	<b>15.9</b>	<b>1.1</b>	<b>1.9</b>	<b>1.6</b>	<b>2.3</b>	<b>2.7</b>
<b>6H</b>	<b>14.5</b>	<b>15.1</b>	<b>14.9</b>	<b>15.5</b>	<b>16.0</b>	<b>1.1</b>	<b>1.7</b>	<b>1.5</b>	<b>2.1</b>	<b>2.5</b>
<b>8H</b>	<b>14.4</b>	<b>15.0</b>	<b>14.9</b>	<b>15.5</b>	<b>15.9</b>	<b>1.0</b>	<b>1.6</b>	<b>1.5</b>	<b>2.0</b>	<b>2.5</b>
<b>12H</b>	<b>14.4</b>	<b>14.9</b>	<b>14.9</b>	<b>15.4</b>	<b>15.8</b>	<b>1.0</b>	<b>1.5</b>	<b>1.5</b>	<b>1.9</b>	<b>2.4</b>
<b>12H 4H</b>	<b>14.3</b>	<b>15.0</b>	<b>14.7</b>	<b>15.4</b>	<b>15.8</b>	<b>1.1</b>	<b>1.8</b>	<b>1.5</b>	<b>2.2</b>	<b>2.6</b>
<b>6H</b>	<b>14.4</b>	<b>15.0</b>	<b>14.9</b>	<b>15.4</b>	<b>15.9</b>	<b>1.0</b>	<b>1.6</b>	<b>1.5</b>	<b>2.0</b>	<b>2.5</b>
<b>8H</b>	<b>14.4</b>	<b>14.9</b>	<b>14.9</b>	<b>15.4</b>	<b>15.8</b>	<b>1.0</b>	<b>1.5</b>	<b>1.5</b>	<b>1.9</b>	<b>2.4</b>
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	<b>+ 1.3 / - 1.3</b>					<b>+ 2.5 / -16.2</b>				
<b>1.5H</b>	<b>+ 2.6 / - 4.7</b>					<b>+ 3.0 / -11.7</b>				
<b>2.0H</b>	<b>+ 3.7 / -10.7</b>					<b>+ 4.9 / -22.3</b>				

CIE Pub.117, 470.9 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  
 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 TIPO DOWNLIGHT 10 W  
 QTEST 22211-01

**UTILIZATION FACTORS TABLE**

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm		
NAME: LUMINARIA LED 10 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) <math>k(RI) \times RCR = 5</math></b>									
<b>k = 0.60</b>	63	52	46	62	52	46	61	52	46	40
<b>0.80</b>	73	62	56	72	62	56	70	61	55	49
<b>1.00</b>	81	71	64	80	70	64	78	72	64	57
<b>1.25</b>	88	78	72	86	78	72	84	76	71	64
<b>1.50</b>	92	84	77	91	83	77	88	81	76	69
<b>2.00</b>	98	91	85	97	90	84	93	88	83	76
<b>2.50</b>	102	95	90	100	94	89	96	91	87	79
<b>3.00</b>	105	99	94	103	97	93	99	94	91	83
<b>4.00</b>	108	103	99	106	102	98	102	98	95	87
<b>5.00</b>	110	106	103	108	104	101	104	101	98	89
<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>		

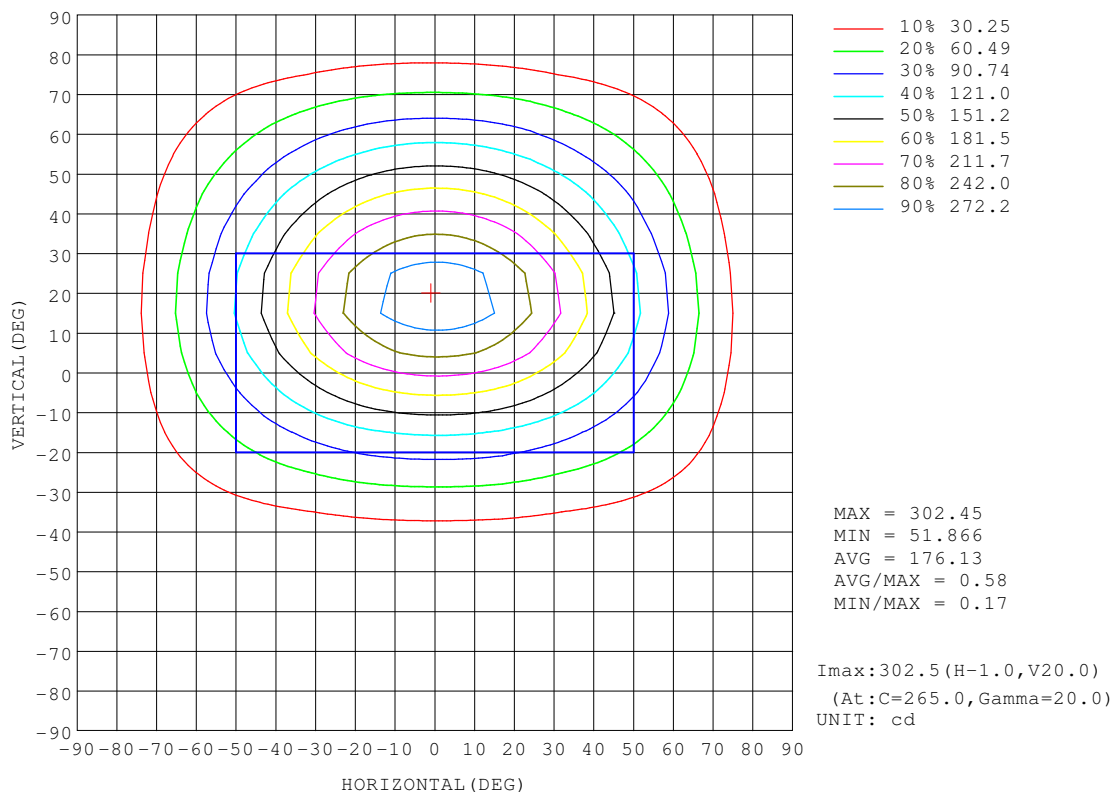
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:JV  
 Test Date:2021-08-24

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 TIPO DOWNLIGHT 10 W  
 QTEST 22211-01



**ISOCANDELA DIAGRAM**

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm		
NAME: LUMINARIA LED 10 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

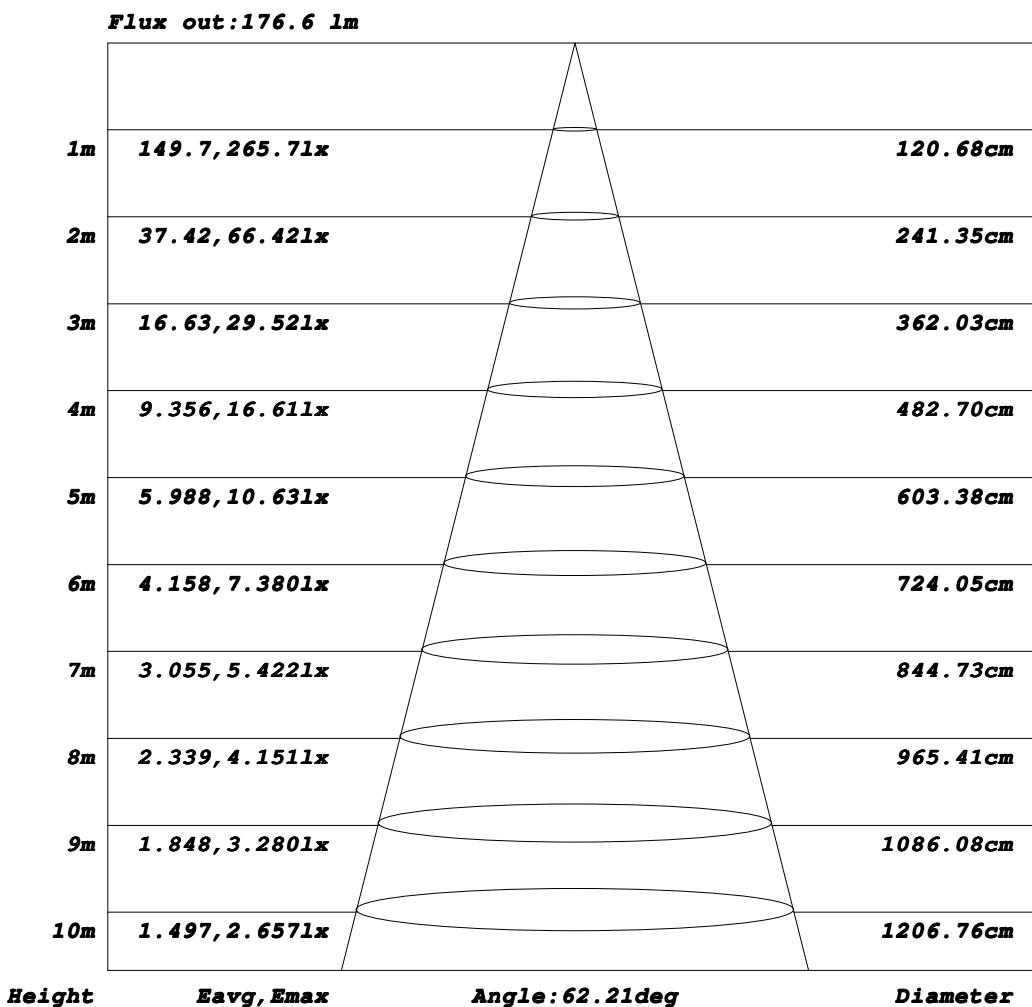


**H(β) Range:-90 - 90DEG**  
**H(β) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:24.7DEG**  
**Operators:JV**  
**Test Date:2021-08-24**

**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 TIPO DOWNLIGHT 10 W**  
**QTEST 22211-01**

**AAI Figure**

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm		
NAME: LUMINARIA LED 10 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA



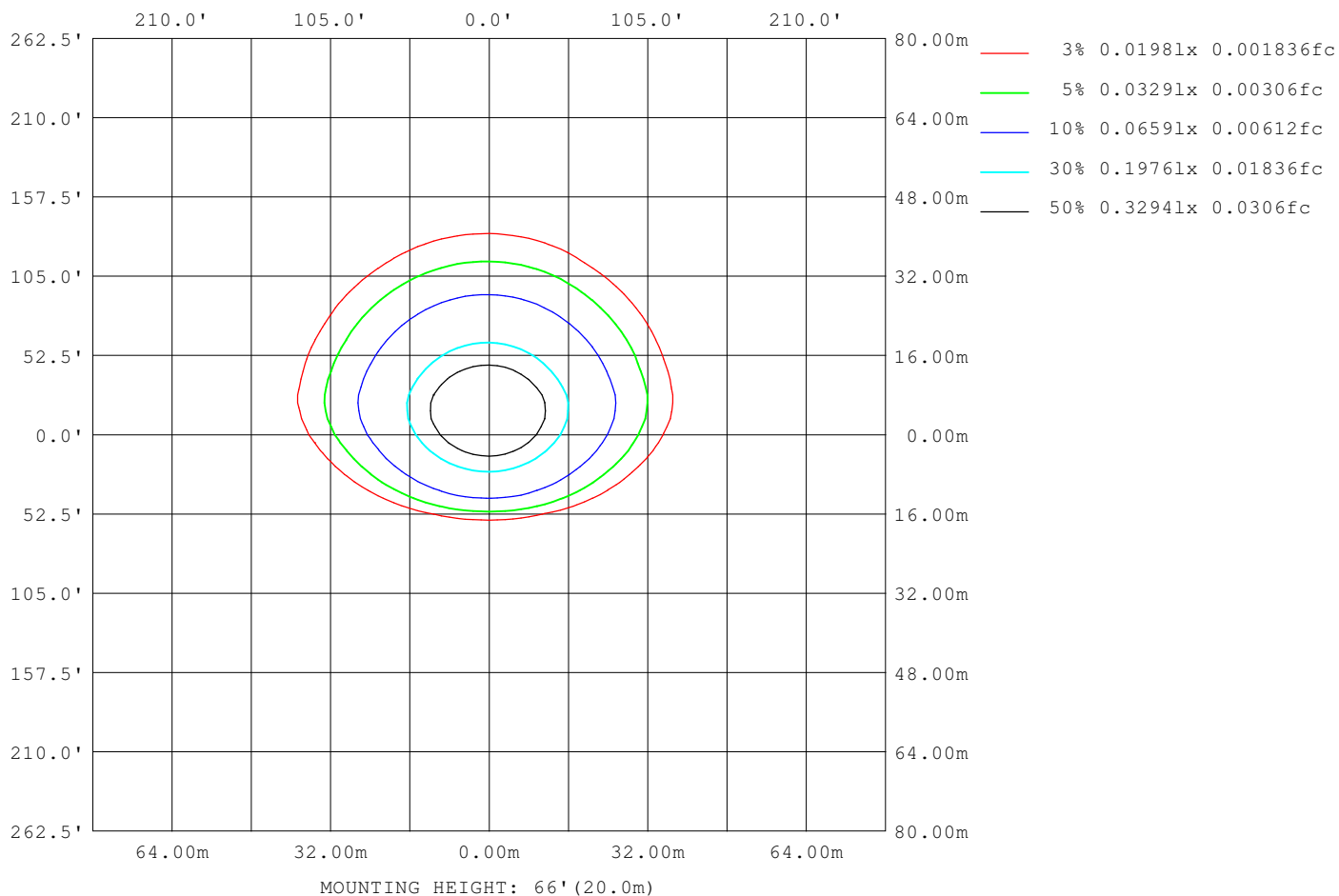
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 TIPO DOWNLIGHT 10 W  
 QTEST 22211-01

ISOLUX DIAGRAM

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm		
NAME: LUMINARIA LED 10 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 TIPO DOWNLIGHT 10 W**  
**QTEST 22211-01**

**LED Avg.L Report**

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm		
NAME: LUMINARIA LED 10 W	TYPE:INTERIOR	WEIGHT:NA
SPEC.:NA	DIM.: NA	SERIAL No.:NA
MFR.: DRITE	SUR.:NA	Shielding Angle:NA

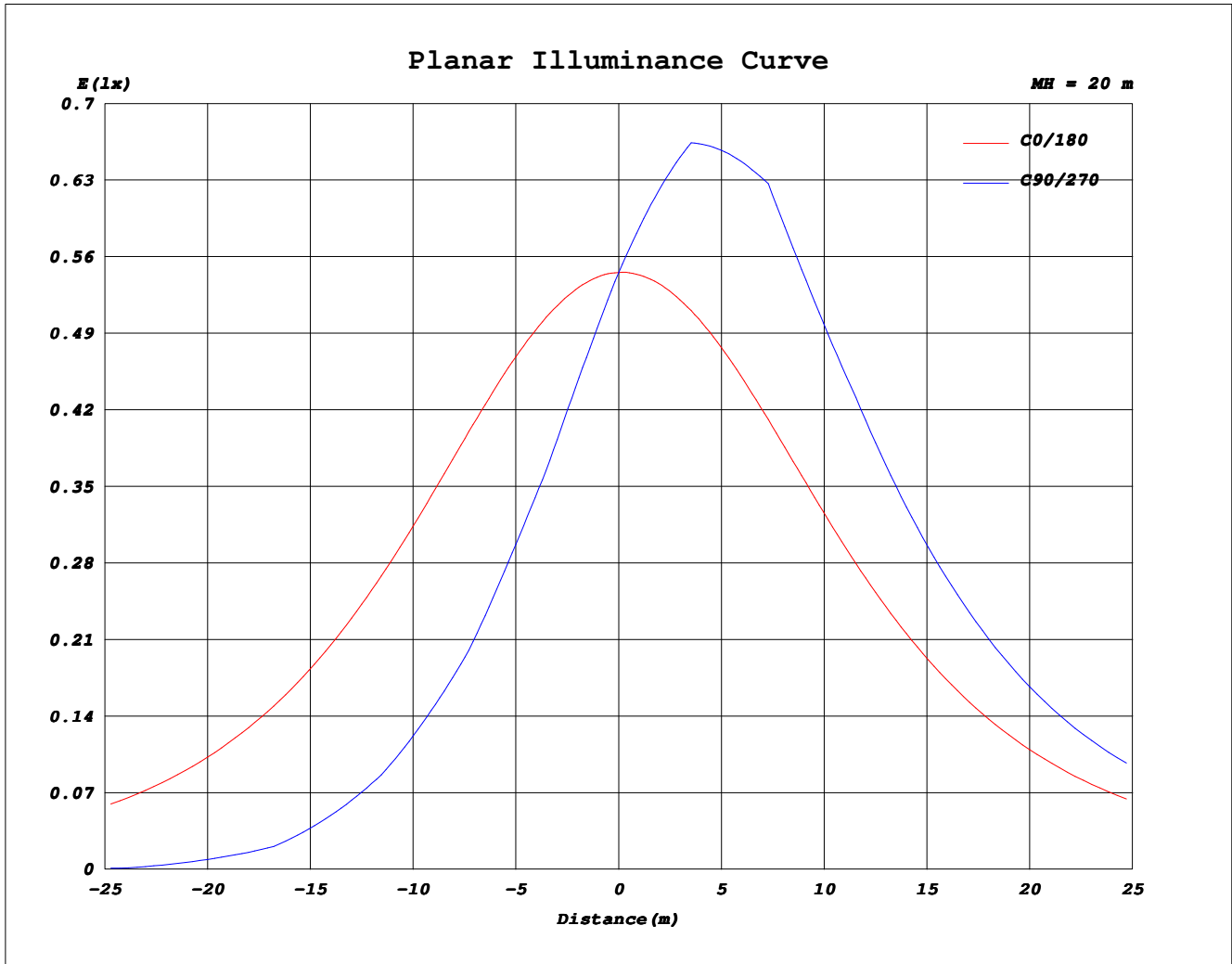
AvgL	cd/m2
L_0~180 (65) av	1294
L_0~180 (75) av	973
L_0~180 (85) av	189
L_90~270 (65) av	1016
L_90~270 (75) av	762
L_90~270 (85) av	447
L_45 (65) av	943
L_45 (75) av	752
L_45 (85) av	381

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 TIPO DOWNLIGHT 10 W**  
**QTEST 22211-01**

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 TIPO DOWNLIGHT 10 W  
QTEST 22211-01

MARCA DRITE, REFERENCIA OJL605  
10 W (100-240) V 50/60 Hz 800 Lm 3000 K

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 TIPO DOWNLIGHT 10 W  
QTEST 22211-01

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm		
NAME: LUMINARIA LED 10 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	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218
5	216	214	211	208	206	203	201	199	197	195	193	191	190	189	188	187	186	186	186
10	211	206	201	196	192	187	183	178	174	170	166	163	160	158	156	155	154	153	153
15	204	196	190	183	176	169	162	155	149	144	141	137	134	131	129	127	126	125	125
20	193	184	176	168	158	148	140	134	128	123	118	113	109	105	102	99.5	97.9	96.9	96.6
25	180	170	162	150	138	129	121	115	107	99.3	93.1	89.0	85.5	82.4	79.8	77.8	76.3	75.3	75.0
30	165	155	145	131	119	111	102	92.5	84.0	79.1	74.4	70.4	65.9	62.1	58.9	56.4	54.6	53.6	53.3
35	149	140	127	112	103	92.9	81.4	74.0	68.2	61.9	55.8	50.3	46.7	43.5	40.9	38.8	37.2	36.3	36.0
40	133	124	108	96.3	86.3	73.2	65.7	58.8	50.8	44.1	39.3	35.0	30.9	27.2	24.1	21.7	20.0	18.9	18.6
45	116	108	90.1	81.5	67.8	59.0	51.0	41.9	35.8	30.1	24.3	19.0	15.9	14.3	13.0	11.8	11.0	10.5	10.4
50	99.3	90.8	75.4	64.7	53.3	45.0	35.6	29.0	21.9	15.3	12.7	10.3	8.18	6.36	4.86	3.66	2.79	2.28	2.13
55	81.8	73.5	62.0	48.1	40.7	30.6	23.5	15.3	11.1	8.06	5.10	2.47	1.61	1.48	1.39	1.30	1.21	1.17	1.15
60	66.0	57.0	47.2	37.1	26.6	19.1	11.1	7.54	3.85	1.36	1.13	0.92	0.73	0.57	0.43	0.33	0.25	0.19	0.16
65	50.6	41.5	31.7	23.6	15.8	8.40	4.35	1.13	0.83	0.54	0.27	0.08	0.09	0.09	0.09	0.10	0.11	0.10	0.09
70	35.7	30.2	22.0	13.2	6.00	1.61	0.68	0.32	0.04	0.04	0.04	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02
75	21.5	16.5	9.61	3.73	0.51	0.22	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
80	8.16	6.06	1.44	0.12	0.01	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
85	0.00	0.13	0.02	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
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 TIPO DOWNLIGHT 10 W  
 QTEST 22211-01

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm		
NAME: LUMINARIA LED 10 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	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218
5	186	186	187	187	188	190	191	193	195	197	199	201	204	206	209	212	215	218	220
10	153	154	155	157	158	161	163	166	170	173	177	181	186	191	197	202	208	214	219
15	125	126	127	129	131	134	138	141	146	151	156	162	168	174	182	190	199	208	214
20	97.0	98.1	99.9	102	105	109	113	117	122	129	135	143	150	158	165	176	187	198	206
25	75.2	76.1	77.7	79.8	82.6	86.0	89.9	94.7	101	107	113	122	131	141	149	159	172	186	195
30	53.7	54.8	56.6	59.1	62.1	65.7	69.8	74.8	80.6	86.9	94.2	102	111	123	133	142	156	172	181
35	36.3	37.2	38.8	40.9	43.7	47.1	51.2	56.3	61.8	68.2	75.9	84.3	92.7	103	117	126	139	157	165
40	19.0	20.1	21.8	24.1	27.1	30.6	34.7	39.6	45.1	51.5	58.2	66.9	76.5	85.4	98.3	111	121	141	148
45	10.5	11.0	11.8	13.0	14.4	16.2	19.3	24.2	29.6	36.1	43.2	50.6	59.9	70.3	79.9	95.6	103	124	130
50	2.32	2.83	3.68	4.86	6.35	8.15	10.3	12.9	15.7	21.8	28.6	36.8	44.7	54.9	64.6	77.4	87.5	107	114
55	1.17	1.22	1.29	1.40	1.54	1.71	2.59	5.15	7.99	11.3	15.7	22.8	31.7	39.9	51.8	60.6	73.0	90.5	99.2
60	0.19	0.24	0.32	0.44	0.58	0.76	0.96	1.22	1.51	3.92	7.46	11.6	18.6	28.0	36.2	46.4	59.5	74.4	83.9
65	0.09	0.09	0.09	0.09	0.10	0.10	0.11	0.30	0.58	0.90	1.30	4.36	8.74	15.3	24.9	35.1	46.1	58.7	68.1
70	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.05	0.05	0.05	0.35	0.77	1.80	6.22	12.4	20.5	30.1	43.3	47.2
75	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.25	0.72	3.80	10.2	18.3	28.9	33.3
80	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	0.12	1.35	5.59	15.3	15.4
85	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	0.05	3.29	2.19
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 TIPO DOWNLIGHT 10 W  
 QTEST 22211-01



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm		
NAME: LUMINARIA LED 10 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	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218
5	223	225	227	230	232	234	237	239	240	242	244	245	246	247	248	248	248	248	248
10	223	228	233	238	242	248	253	257	262	266	269	272	274	276	277	278	278	278	277
15	221	227	235	243	252	260	268	272	275	278	281	283	286	287	289	290	290	290	289
20	214	223	235	247	258	262	266	271	276	283	288	293	297	299	301	302	302	301	300
25	203	218	233	242	247	252	263	272	282	283	283	283	283	283	283	284	284	284	284
30	192	210	222	226	235	249	259	258	257	258	261	263	265	266	266	266	266	265	264
35	180	199	202	212	228	230	228	231	237	241	241	240	240	240	241	241	241	241	241
40	167	177	184	202	201	200	208	212	210	210	212	214	216	217	217	217	216	215	215
45	153	154	172	173	174	183	180	179	184	188	189	188	188	188	189	189	189	189	189
50	131	138	147	146	154	149	154	159	158	157	158	160	162	162	162	162	161	161	160
55	108	124	119	126	122	130	129	127	131	134	134	134	134	134	135	135	135	135	135
60	90.1	93.2	102	97.8	104	99.4	104	107	106	105	107	108	109	109	109	109	108	108	107
65	76.8	76.3	74.1	78.2	77.5	80.7	78.9	80.3	82.3	83.6	84.0	84.4	84.9	85.3	85.7	85.8	85.8	85.7	85.5
70	49.9	51.5	55.2	58.4	56.0	57.8	59.9	59.5	59.5	60.7	61.9	62.9	63.5	63.8	63.9	63.5	63.1	62.8	62.4
75	33.9	34.3	37.7	37.4	38.6	37.7	39.5	41.0	41.4	41.1	40.8	40.5	40.2	40.0	39.8	39.6	39.4	39.4	39.4
80	16.5	18.2	20.4	20.9	22.5	21.9	21.1	20.7	20.3	19.6	18.9	18.2	17.4	16.7	16.2	15.8	15.5	15.5	15.6
85	5.38	7.18	6.71	7.03	6.71	6.93	7.10	7.25	7.37	7.48	7.58	7.66	7.72	7.77	7.80	7.81	7.79	7.73	7.64
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 TIPO DOWNLIGHT 10 W  
 QTEST 22211-01

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.09V I:0.0908A P:10.742W PF:0.9851 Freq:60.00Hz Lamp Flux:470.86x1 lm		
NAME: LUMINARIA LED 10 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) \ γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218				
5	247	246	245	244	243	241	239	237	235	232	230	227	224	222	219				
10	275	273	271	268	264	261	257	253	249	244	239	233	228	222	217				
15	288	286	284	281	277	273	269	264	257	250	244	237	229	220	212				
20	297	294	291	287	282	278	273	266	259	251	243	234	226	215	204				
25	284	283	281	280	278	275	268	262	257	247	236	226	217	207	193				
30	263	262	261	260	260	257	254	250	243	237	228	215	204	195	181				
35	240	239	237	235	232	231	231	230	224	219	213	203	189	179	167				
40	214	213	212	212	210	206	201	200	202	198	191	186	174	161	151				
45	188	187	185	182	180	180	181	176	170	173	170	163	159	142	136				
50	159	159	158	158	157	153	149	150	150	143	145	141	136	125	117				
55	134	133	131	129	127	128	128	124	121	124	116	120	112	110	97.7				
60	107	106	106	105	105	102	99.3	99.5	101	95.5	97.1	90.9	95.1	89.4	78.8				
65	84.9	83.8	82.3	79.7	77.3	77.2	78.1	77.7	74.1	75.5	72.6	73.5	68.5	66.1	60.8				
70	61.9	61.3	60.7	59.8	59.2	58.3	56.0	53.3	54.3	55.0	51.6	52.4	53.1	51.9	47.4				
75	39.4	39.2	39.0	38.6	38.1	37.3	36.9	37.0	37.2	34.2	34.2	32.8	33.7	31.2	28.8				
80	15.9	16.3	16.9	17.5	18.2	18.9	19.5	19.9	19.3	18.2	18.6	17.5	17.9	17.1	15.2				
85	7.51	7.34	7.15	6.93	6.67	6.38	6.03	5.61	5.09	4.43	5.24	5.81	4.39	3.87	3.25				
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 TIPO DOWNLIGHT 10 W  
 QTEST 22211-01