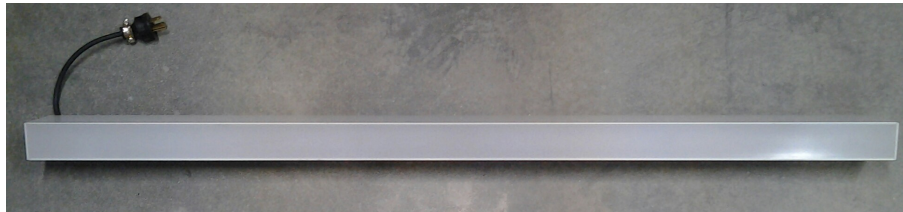


LUMINARIA LINEAL LED 38W

LUMINARIA LINEAL DE LED DRITE ITEM N. LLL704 38W 100-240V
IP: 20, 3100LM, IRC (RA) >=80% >0.9FP CANTIDAD LED 192 LED TIPO SMD 2835
DIMENSIONES DE LA LUMINARIA: 115X4X7.5 CM DIFUSOR BLANCO OPALIZADO
DRIVER MARCA FAHOLD MODELO HR50W-02-040V1250A 100-240V~50/60HZ



Light Output Ratio:	100.0%	
Luminaire Power:	38.1 W	
SHR Nominal:	1.25	Calculated using the TM5
SHR Maximum:	1.35	fine grid method.

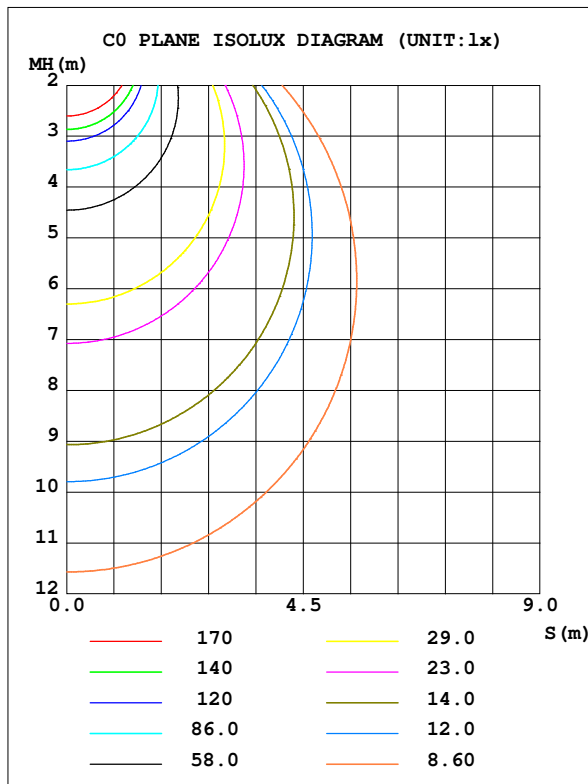
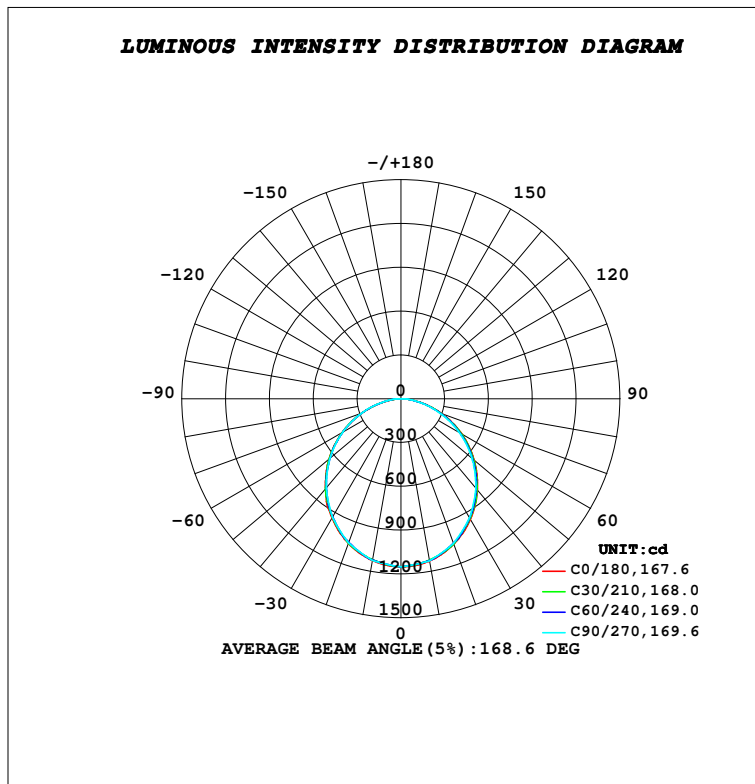
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:CB
Test Date:2017-12-26

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
Humidity:63%
Test Distance:13.200m [K=1.0000]
Remarks: LUMINARIA LED LINEAL 38W
Item N. LLL704
RP 6284-04

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.2V I:0.3210A P:38.10W PF:0.9956 Freq:60.00Hz Lamp Flux:3115.48x1 lm		
NAME: LUMINARIA LINEAL LED 38W	TYPE:	WEIGHT:
SPEC.:	DIM.: 115X4X7,5cm	SERIAL No.:
MFR.: CIGLA	SUR.:NA	Shielding Angle:NA

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 81.77 lm/W
MODEL	ARREGLO LED	I _{max} (cd)	1151	S/MH (C0/180)		1.23
NOMINAL POWER (W)	38	LOR (%)	100.0	S/MH (C90/270)		1.22
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	3115.5	η UP, DN (C0-180)		0.0, 50.0
NOMINAL FLUX (lm)	3115.48	CIE CLASS	DIRECT	η UP, DN (C180-360)		0.0, 50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		1.25
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX		1.35



H(β) Range: -90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: CB
 Test Date: 2017-12-26

V(B) Range: -90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.362
 Humidity: 63%
 Test Distance: 13.200m [K=1.0000]
 Remarks: LUMINARIA LED LINEAL 38W
 Item N. LLL704
 RP 6284-04

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	$\%lum, lamp$
10	1128	1123	1127	1121	1125	1120	1124	1121	0- 10	108.3	108.3	3.48,3.48
20	1059	1053	1054	1049	1054	1047	1050	1050	10- 20	308.0	416.2	13.4,13.4
30	952.6	946.6	941.4	939.8	944.0	937.7	937.4	943.1	20- 30	460.9	877.2	28.2,28.2
40	814.8	808.3	798.9	801.4	804.0	800.7	795.9	805.3	30- 40	547.4	1425	45.7,45.7
50	655.4	649.0	636.6	638.5	642.9	639.6	635.6	647.4	40- 50	558.5	1983	63.7,63.7
60	480.5	472.4	461.6	461.7	465.8	465.4	462.6	472.8	50- 60	496.8	2480	79.6,79.6
70	295.8	290.0	279.5	276.6	279.7	282.2	282.0	291.9	60- 70	372.3	2852	91.5,91.5
80	118.7	118.1	108.0	106.6	104.1	111.9	110.9	120.1	70- 80	207.3	3059	98.2,98.2
90	0.3509	1.251	1.262	1.005	0.9279	0.3651	1.462	2.732	80- 90	56.11	3115	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		

Conical surface Flux(2.8132e+023deg): 0 lm

$\%lum = 0.0\%$
 $\%lamp = 0.0\%$

Conical surface Flux(7.13901e+031deg): 0 lm

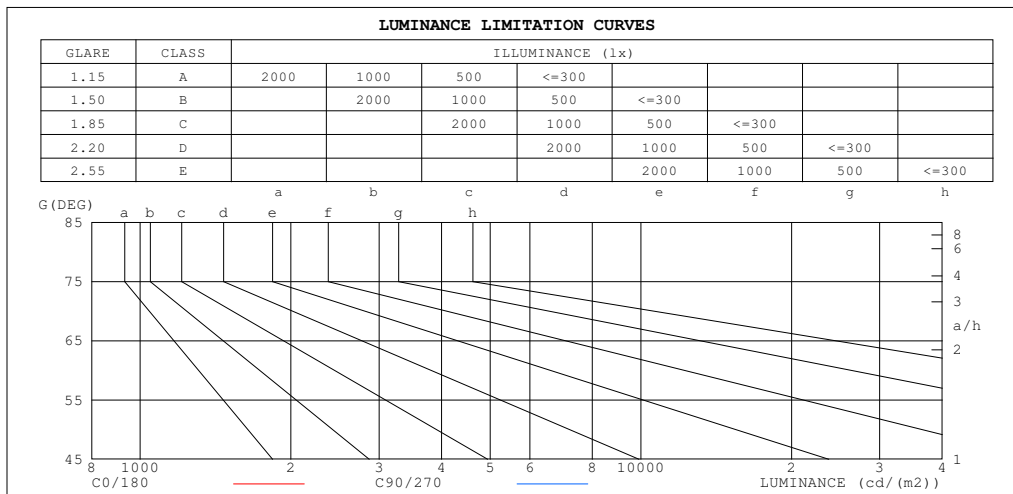
$\%lum = 0.0\%$
 $\%lamp = 0.0\%$

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:CB
 Test Date:2017-12-26

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
 Humidity:63%
 Test Distance:13.200m [K=1.0000]
 Remarks: LUMINARIA LED LINEAL 38W
 Item N. LLL704
 RP 6284-04

LUMINANCE LIMITATION CURVES

Test:U:119.2V I:0.3210A P:38.10W PF:0.9956 Freq:60.00Hz Lamp Flux:3115.48x1 lm		
NAME: LUMINARIA LINEAL LED 38W	TYPE:	WEIGHT:
SPEC.:	DIM.: 115X4X7,5cm	SERIAL No.:
MFR.: CIGLA	SUR.:NA	Shielding Angle:NA



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	55507	62699
80	68373	62212
75	78867	74870
70	86497	81728
65	91991	87682
60	96094	92318
55	99268	95729
50	101964	99032
45	104274	101499

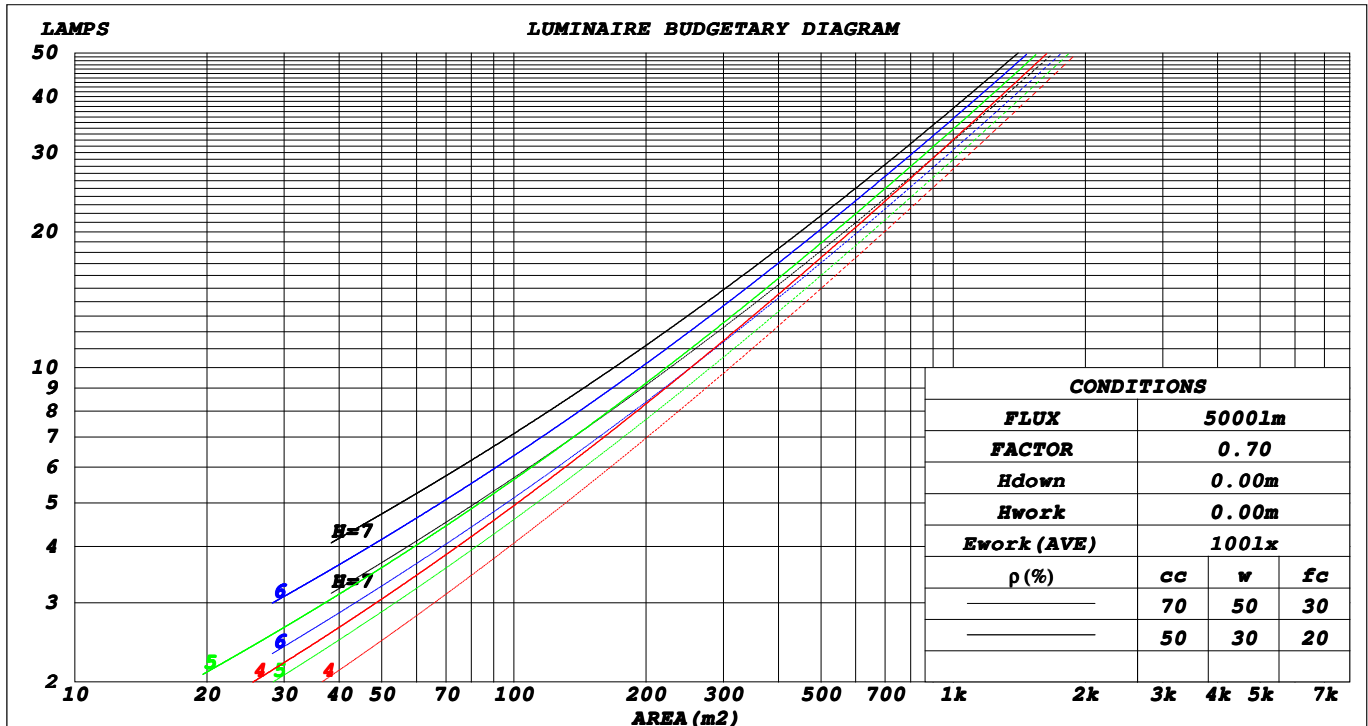
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:CB
Test Date:2017-12-26

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
Humidity:63%
Test Distance:13.200m [K=1.0000]
Remarks: LUMINARIA LED LINEAL 38W
Item N. LLL704
RP 6284-04

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.2V I:0.3210A P:38.10W PF:0.9956 Freq:60.00Hz Lamp Flux:3115.48x1 lm		
NAME: LUMINARIA LINEAL LED 38W	TYPE:	WEIGHT:
SPEC.:	DIM.: 115X4X7,5cm	SERIAL No.:
MFR.: CIGLA	SUR.:NA	Shielding Angle:NA

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization (CU)									
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	.00
1.0	1.04	.00	.96	1.02	.98	.94	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.76	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.63	.73	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.65	.58	.53	.62	.57	.53	.51
5.0	.63	.54	.48	.62	.54	.47	.60	.53	.47	.58	.52	.46	.56	.50	.46	.44
6.0	.57	.48	.42	.56	.48	.41	.54	.47	.41	.53	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.38	.33	.45	.38	.33	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.34	.29	.41	.34	.29	.40	.33	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.25



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:CB
 Test Date:2017-12-26

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
 Humidity:63%
 Test Distance:13.200m [K=1.0000]
 Remarks: LUMINARIA LED LINEAL 38W
 Item N. LLL704
 RP 6284-04

WEC AND CCEC

Test:U:119.2V I:0.3210A P:38.10W PF:0.9956 Freq:60.00Hz Lamp Flux:3115.48x1 lm		
NAME: LUMINARIA LINEAL LED 38W	TYPE:	WEIGHT:
SPEC.:	DIM.: 115X4X7,5cm	SERIAL No.:
MFR.: CIGLA	SUR.:NA	Shielding Angle:NA

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.305	.174	.055	.298	.170	.054	.285	.164	.052	.273	.157	.051	.262	.152	.049	
2.0	.288	.158	.048	.282	.155	.048	.270	.150	.047	.259	.145	.046	.249	.141	.044	
3.0	.267	.142	.043	.261	.140	.042	.251	.136	.041	.242	.132	.041	.233	.129	.040	
4.0	.247	.128	.038	.242	.127	.037	.233	.123	.037	.224	.120	.036	.216	.118	.036	
5.0	.228	.116	.034	.224	.115	.033	.216	.112	.033	.208	.110	.033	.201	.108	.032	
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.194	.101	.030	.188	.099	.029	
7.0	.197	.098	.028	.194	.097	.028	.187	.095	.027	.181	.093	.027	.176	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.160	.077	.022	.156	.076	.021	.151	.075	.021	.147	.074	.021	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.075	.141	.099	.065	.096	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.156	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.111	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.023	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:CB
 Test Date:2017-12-26

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
 Humidity:63%
 Test Distance:13.200m [K=1.0000]
 Remarks: LUMINARIA LED LINEAL 38W
 Item N. LLL704
 RP 6284-04

UGR(Unified Glare Rating) Table

Test:U:119.2V I:0.3210A P:38.10W PF:0.9956 Freq:60.00Hz Lamp Flux:3115.48x1 lm										
NAME: LUMINARIA LINEAL LED 38W					TYPE:			WEIGHT:		
SPEC.:					DIM.: 115X4X7,5cm			SERIAL No.:		
MFR.: CIGLA					SUR.:NA			Shielding Angle:NA		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	24.9	26.4	25.2	26.6	26.8	24.7	26.2	25.0	26.4	26.7
3H	26.4	27.8	26.7	28.0	28.2	26.2	27.6	26.5	27.8	28.0
4H	27.0	28.3	27.3	28.5	28.8	26.7	28.1	27.1	28.3	28.6
6H	27.3	28.6	27.7	28.9	29.1	27.1	28.4	27.4	28.6	28.9
8H	27.5	28.7	27.8	28.9	29.2	27.2	28.4	27.6	28.7	29.0
12H	27.5	28.7	27.9	29.0	29.3	27.3	28.5	27.7	28.8	29.1
4H 2H	25.5	26.8	25.8	27.1	27.3	25.4	26.7	25.7	26.9	27.2
3H	27.1	28.3	27.5	28.6	28.9	27.0	28.1	27.3	28.4	28.7
4H	27.8	28.9	28.2	29.2	29.6	27.7	28.7	28.0	29.0	29.4
6H	28.4	29.3	28.8	29.6	30.0	28.1	29.1	28.5	29.4	29.8
8H	28.5	29.4	28.9	29.8	30.1	28.3	29.2	28.7	29.6	29.9
12H	28.6	29.4	29.0	29.8	30.2	28.5	29.3	28.9	29.6	30.0
8H 4H	28.1	29.0	28.5	29.3	29.7	27.9	28.8	28.3	29.2	29.6
6H	28.7	29.5	29.2	29.9	30.3	28.5	29.3	29.0	29.7	30.1
8H	29.0	29.6	29.4	30.0	30.5	28.8	29.4	29.3	29.9	30.3
12H	29.1	29.7	29.6	30.1	30.6	29.0	29.6	29.5	30.0	30.5
12H 4H	28.1	28.9	28.5	29.3	29.7	27.9	28.7	28.4	29.1	29.5
6H	28.8	29.4	29.2	29.9	30.3	28.6	29.2	29.1	29.7	30.1
8H	29.1	29.6	29.5	30.1	30.5	28.9	29.4	29.4	29.9	30.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				

CIE Pub.117, 3115 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.9)

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:CB
 Test Date:2017-12-26

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
 Humidity:63%
 Test Distance:13.200m [K=1.0000]
 Remarks: LUMINARIA LED LINEAL 38W
 Item N. LLL704
 RP 6284-04

UTILIZATION FACTORS TABLE

Test:U:119.2V I:0.3210A P:38.10W PF:0.9956 Freq:60.00Hz Lamp Flux:3115.48x1 lm		
NAME: LUMINARIA LINEAL LED 38W	TYPE:	WEIGHT:
SPEC.:	DIM.: 115X4X7,5cm	SERIAL No.:
MFR.: CIGLA	SUR.:NA	Shielding Angle:NA

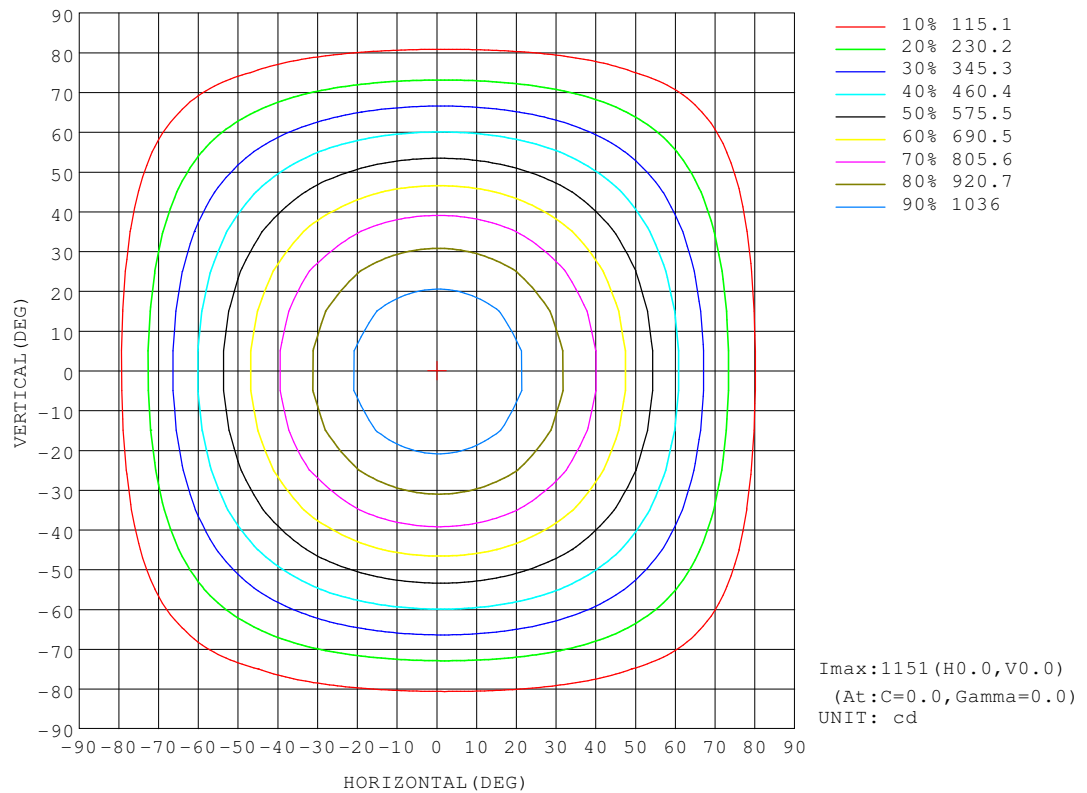
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	68	57	49	67	56	49	65	55	49	42
1.00	77	66	58	75	65	58	73	66	58	50
1.25	84	73	66	82	73	66	80	71	65	58
1.50	89	79	72	87	78	71	84	76	70	63
2.00	95	87	81	94	86	80	90	83	78	71
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	99	102	99	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:CB
 Test Date:2017-12-26

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
 Humidity:63%
 Test Distance:13.200m [K=1.0000]
 Remarks: LUMINARIA LED LINEAL 38W
 Item N. LLL704
 RP 6284-04

ISOCANDELA DIAGRAM

Test:U:119.2V I:0.3210A P:38.10W PF:0.9956 Freq:60.00Hz Lamp Flux:3115.48x1 lm		
NAME: LUMINARIA LINEAL LED 38W	TYPE:	WEIGHT:
SPEC.:	DIM.: 115X4X7,5cm	SERIAL No.:
MFR.: CIGLA	SUR.:NA	Shielding Angle:NA

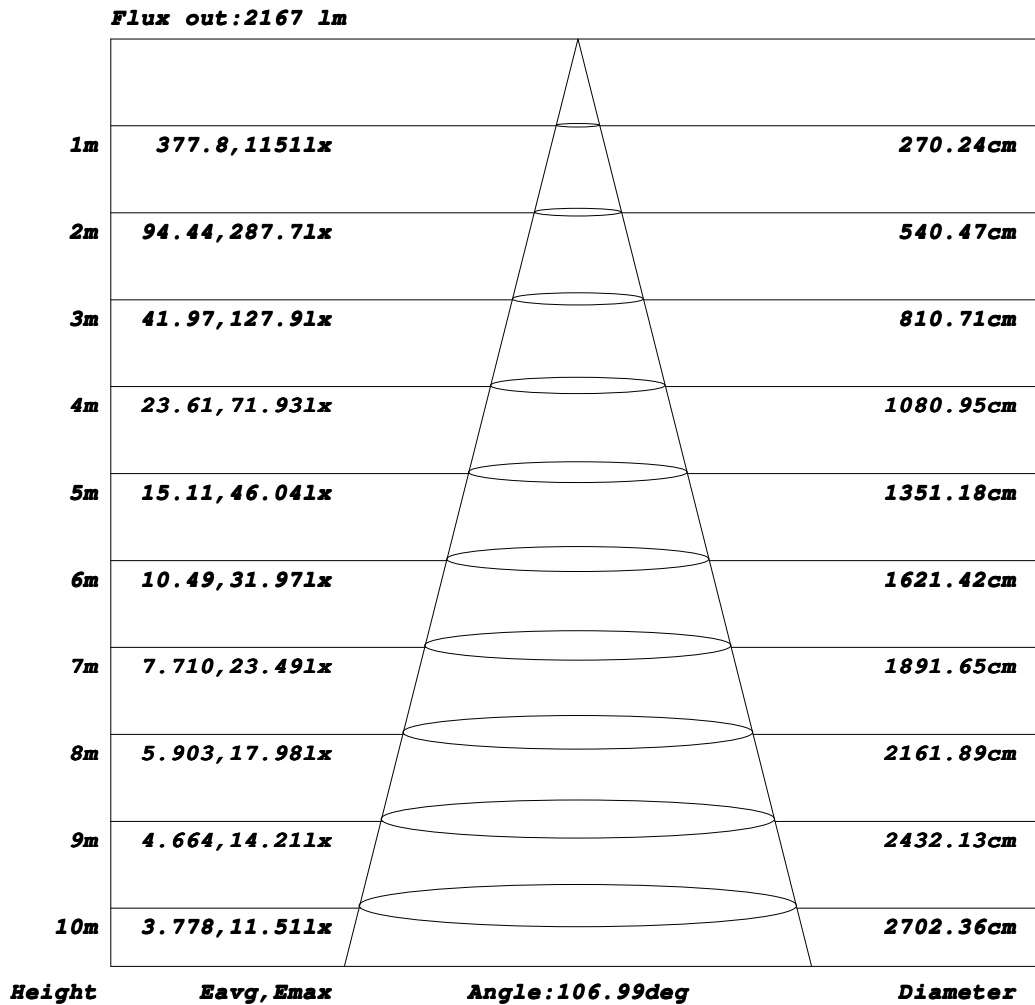


H(β) Range:-90 - 90DEG
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V(B) Range:-90 - 90DEG
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 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
 Humidity:63%
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 Remarks: LUMINARIA LED LINEAL 38W
 Item N. LLL704
 RP 6284-04

AAI Figure

Test:U:119.2V I:0.3210A P:38.10W PF:0.9956 Freq:60.00Hz Lamp Flux:3115.48x1 lm		
NAME: LUMINARIA LINEAL LED 38W	TYPE:	WEIGHT:
SPEC.:	DIM.: 115X4X7,5cm	SERIAL No.:
MFR.: CIGLA	SUR.:NA	Shielding Angle:NA



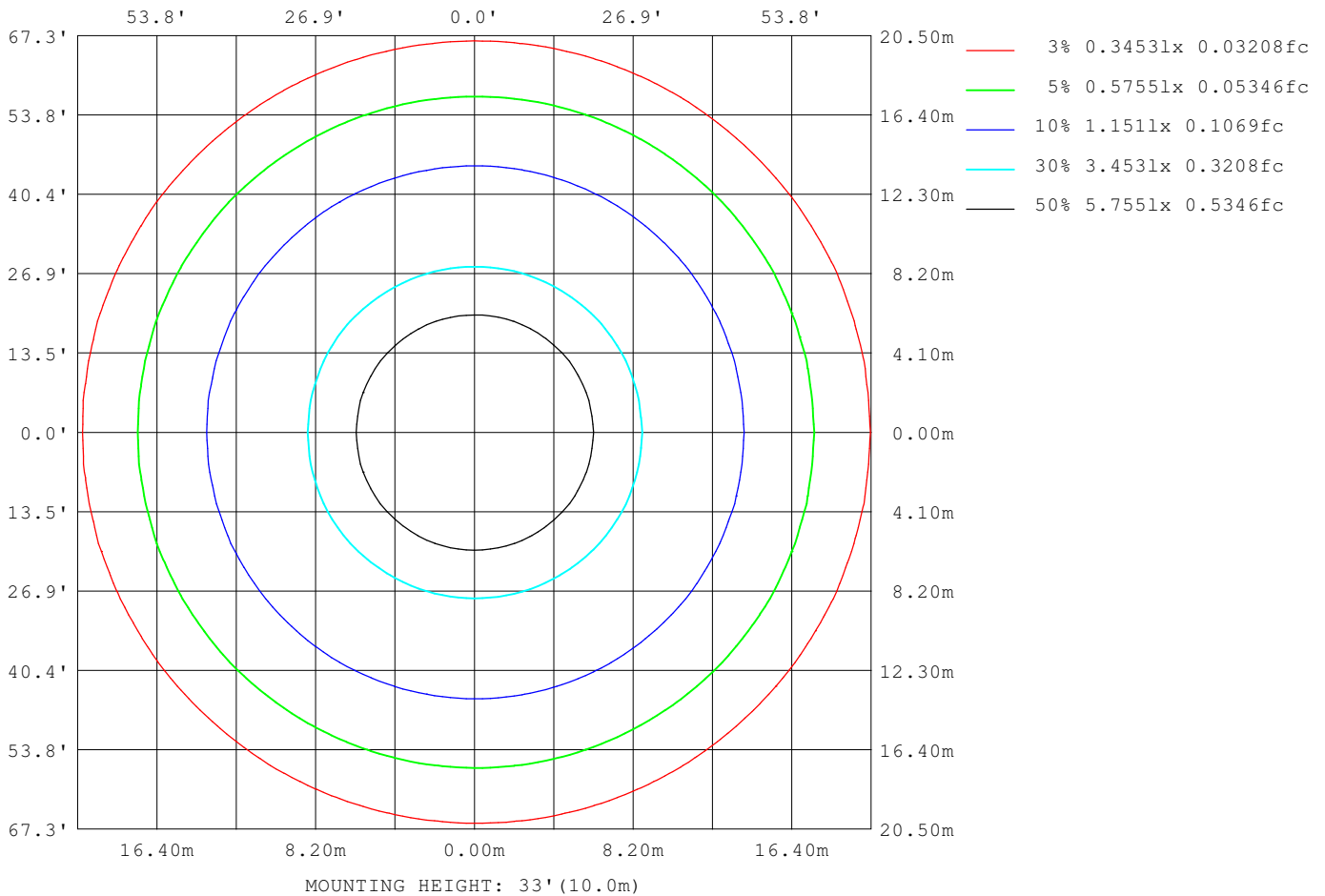
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:CB
 Test Date:2017-12-26

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
 Humidity:63%
 Test Distance:13.200m [K=1.0000]
 Remarks: LUMINARIA LED LINEAL 38W
 Item N. LLL704
 RP 6284-04

ISOLUX DIAGRAM

Test:U:119.2V I:0.3210A P:38.10W PF:0.9956 Freq:60.00Hz Lamp Flux:3115.48x1 lm		
NAME: LUMINARIA LINEAL LED 38W	TYPE:	WEIGHT:
SPEC.:	DIM.: 115X4X7,5cm	SERIAL No.:
MFR.: CIGLA	SUR.:NA	Shielding Angle:NA



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:CB
 Test Date:2017-12-26

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
 Humidity:63%
 Test Distance:13.200m [K=1.0000]
 Remarks: LUMINARIA LED LINEAL 38W
 Item N. LLL704
 RP 6284-04

LED Avg.L Report

Test:U:119.2V I:0.3210A P:38.10W PF:0.9956 Freq:60.00Hz Lamp Flux:3115.48x1 lm		
NAME: LUMINARIA LINEAL LED 38W	TYPE:	WEIGHT:
SPEC.:	DIM.: 115X4X7,5cm	SERIAL No.:
MFR.: CIGLA	SUR.:NA	Shielding Angle:NA

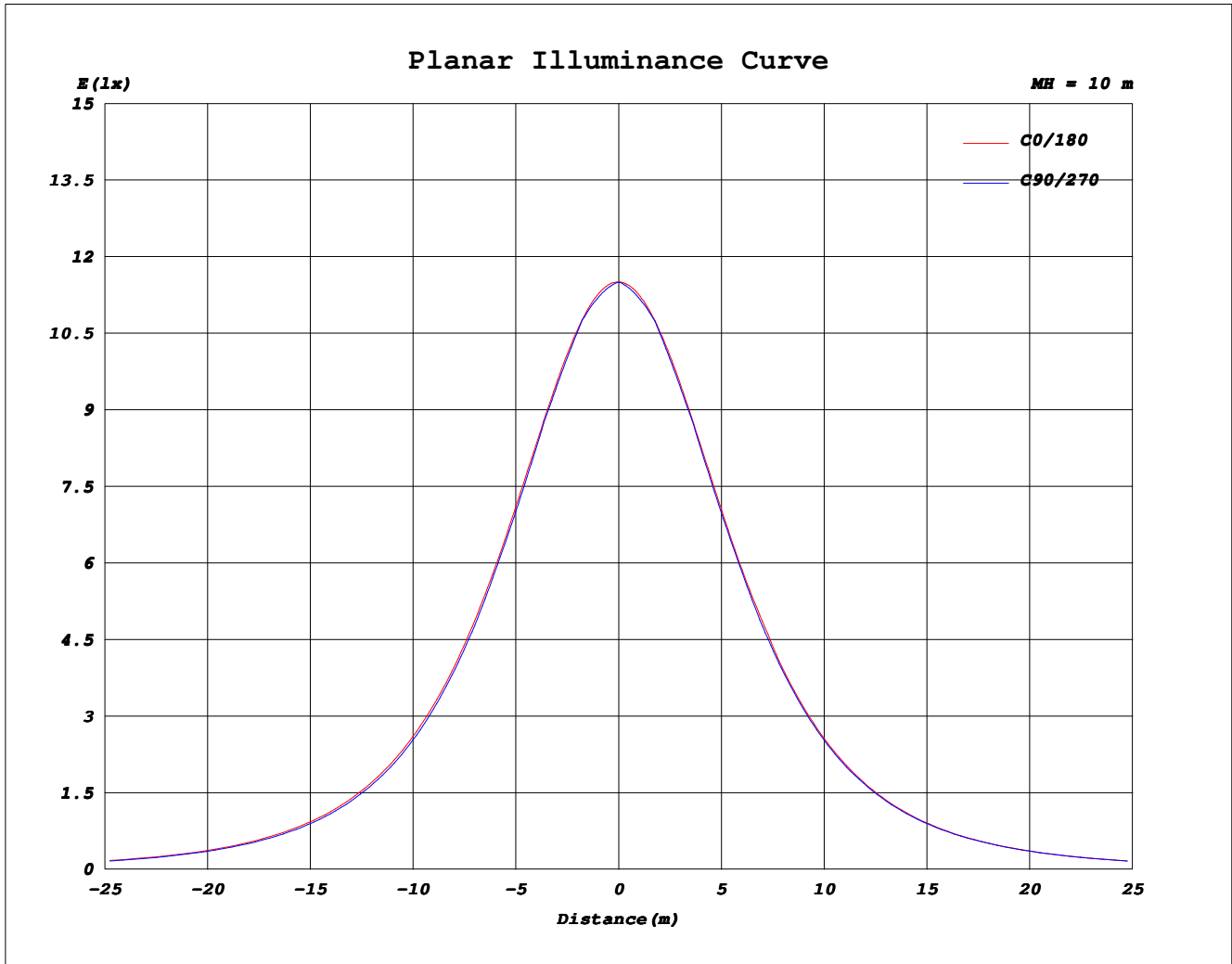
AvgL	cd/m2
L_0~180 (65) av	90159
L_0~180 (75) av	75792
L_0~180 (85) av	49994
L_90~270 (65) av	87888
L_90~270 (75) av	75391
L_90~270 (85) av	63582
L_45 (65) av	89031
L_45 (75) av	75284
L_45 (85) av	55995

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:CB
Test Date:2017-12-26

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
Humidity:63%
Test Distance:13.200m [K=1.0000]
Remarks: LUMINARIA LED LINEAL 38W
Item N. LLL704
RP 6284-04

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:CB
Test Date:2017-12-26

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
Humidity:63%
Test Distance:13.200m [K=1.0000]
Remarks: LUMINARIA LED LINEAL 38W
Item N. LLL704
RP 6284-04

LUMINARIA LINEAL DE LED DRITE ITEM N. LLL704 38W 100-240V
IP: 20, 3100LM, IRC(RA) >=80% >0.9FP CANTIDAD LED 192 LED TIPO SMD 2835
DIMENSIONES DE LA LUMINARIA: 115X4X7.5 CM DIFUSOR BLANCO OPALIZADO
DRIVER MARCA FAHOLD MODELO HR50W-02-040V1250A 100-240V~50/60HZ

Test Distance: 13.200 metres
Test Tempertature: 25.2 degrees Celsius

Significance: PHOTOMETRIC TEST
CIGLA ELECTRICOS
CRA 42 CL 75 331
ITAGUI
SAMPLES RECEIVED IN 2107-12-14

Special Notes: TEST EQUIPMENT

GONIOPHOTOMETER SYSTEM: 109M
POWER SUPPLY: 107A - 112A
POWER ANALIZER: 110A - 147M
SPECTROPHOTOCOLORIMETER: 106A
THERMOHYGROMETER 116M

Environmental Conditions: 25 ± 1 ° C temperature and 50 ± 20% 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.

Realizó/revisó Checked
IE JORGE VALENCIA

Approved
IE CLAUDIA BETANCUR

Testing Procedure: IESNA LM 79 2008

*H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:CB
Test Date:2017-12-26*

*V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.362
Humidity:63%
Test Distance:13.200m [K=1.0000]
Remarks: LUMINARIA LED LINEAL 38W
Item N. LLL704
RP 6284-04*

