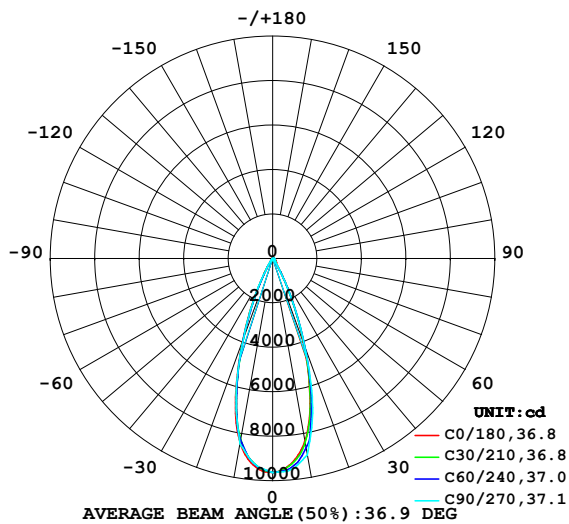


LUMINAIRE PHOTOMETRIC TEST REPORT

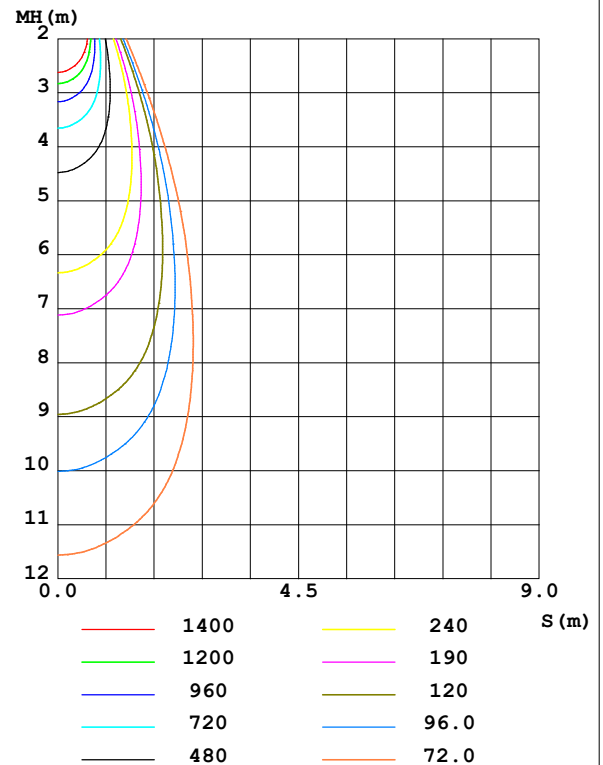
NAME: BL7069-C40-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.52 lm/W
MODEL		Imax (cd)	9627	S/MH (C0/180)		0.58
NOMINAL POWER(W)	40	LOR (%)	129.3	S/MH (C90/270)		0.57
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3878.1	η UP,DN (C0-180)		0.0,66.5
NOMINAL FLUX(lm)	3000	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,62.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.50
TEST VOLTAGE (V)	220.0	η down (%)	129.3	CIBSE SHR MAX		0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-22

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	8355	8500	8976	8556	8432	8239	8462	8151	0- 10	863.8	863.8	22.3,28.8
20	4111	4210	4233	4089	3963	3873	3853	3900	10- 20	1747	2611	67.3,87
30	820.8	797.4	712.6	712.7	676.4	679.2	624.2	727.1	20- 30	935.4	3546	91.4,118
40	195.8	135.2	132.2	125.0	126.1	111.4	107.7	115.2	30- 40	188.1	3735	96.3,124
50	109.5	69.84	69.22	68.14	77.74	55.41	54.32	55.03	40- 50	71.67	3806	98.1,127
60	45.87	30.92	30.63	29.99	40.93	20.15	19.70	20.99	50- 60	43.08	3849	99.3,128
70	14.25	11.43	11.82	11.92	23.95	4.003	4.087	5.065	60- 70	16.44	3866	99.7,129
80	6.787	8.018	8.659	8.543	21.11	2.461	2.915	3.536	70- 80	8.122	3874	99.9,129
90	3.831	0	0	0	7.162	0	0	0	80- 90	4.276	3878	100,129
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(90deg): 3774.4 lm

%lum = 97.3%

%lamp = 125.8%

Conical surface Flux(120deg): 3849.3 lm

%lum = 99.3%

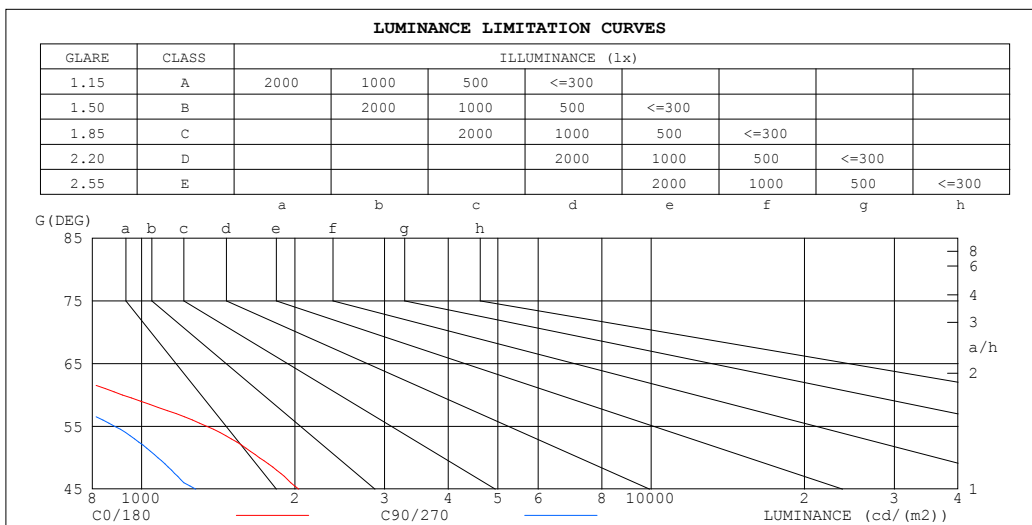
%lamp = 128.3%

H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:ZT
 Test Date:2024-01-22

V(B) Range:-85 - 85DEG
 V(B) Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
 Humidity:65.0%
 Test Distance:10.722m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: BL7069-C40-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	594	434
80	391	499
75	370	396
70	417	346
65	601	437
60	917	613
55	1343	886
50	1704	1077
45	2036	1278

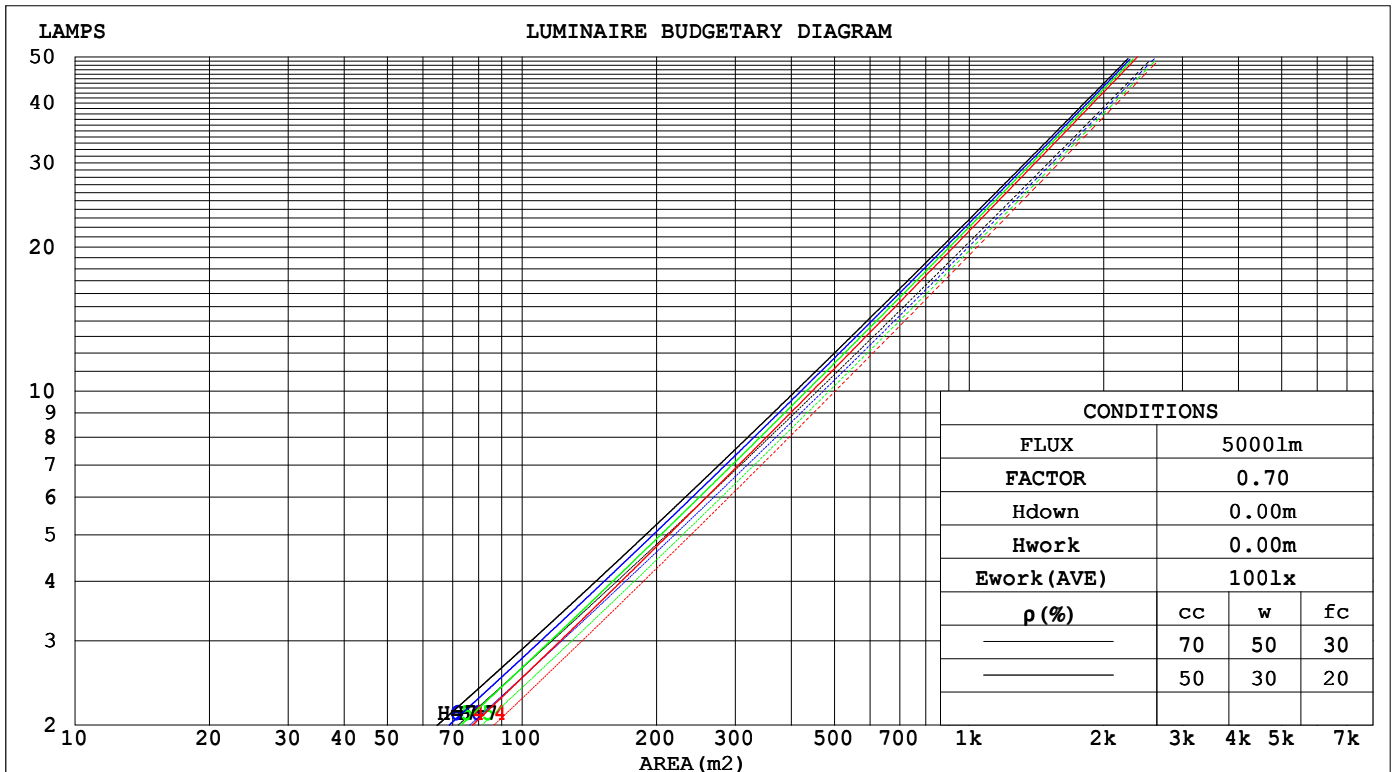
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-22

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: BL7069-C40-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.54	1.54	1.54	1.50	1.50	1.50	1.44	1.44	1.44	1.38	1.38	1.38	1.32	1.32	1.32	1.29
1.0	1.45	1.42	1.40	1.42	1.40	1.37	1.37	1.35	1.33	1.32	1.31	1.29	1.28	1.27	1.25	1.23
2.0	1.37	1.33	1.29	1.35	1.31	1.27	1.31	1.27	1.25	1.27	1.24	1.22	1.23	1.21	1.19	1.18
3.0	1.30	1.25	1.20	1.28	1.23	1.19	1.25	1.21	1.18	1.22	1.19	1.16	1.19	1.16	1.14	1.12
4.0	1.24	1.18	1.13	1.22	1.17	1.13	1.20	1.15	1.11	1.17	1.13	1.10	1.15	1.12	1.09	1.07
5.0	1.18	1.12	1.07	1.17	1.11	1.07	1.15	1.10	1.06	1.13	1.09	1.05	1.11	1.07	1.04	1.03
6.0	1.13	1.07	1.02	1.12	1.06	1.02	1.10	1.05	1.01	1.09	1.04	1.01	1.07	1.03	1.00	.98
7.0	1.08	1.02	.98	1.08	1.02	.97	1.06	1.01	.97	1.05	.00	.97	1.03	.99	.96	.95
8.0	1.04	.98	.94	1.03	.98	.93	1.02	.97	.93	1.01	.96	.93	.00	.96	.92	.91
9.0	1.00	.94	.90	.00	.94	.90	.98	.93	.90	.97	.93	.89	.96	.92	.89	.88
10.0	.97	.91	.87	.96	.90	.86	.95	.90	.86	.94	.89	.86	.93	.89	.86	.84



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-22

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: BL7069-C40-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.198	.113	.036	.190	.108	.034	.174	.100	.032	.159	.092	.029	.145	.084	.027	
2.0	.186	.102	.031	.178	.098	.030	.165	.092	.028	.153	.086	.027	.141	.080	.025	
3.0	.174	.093	.028	.168	.090	.027	.157	.085	.026	.146	.080	.025	.137	.076	.023	
4.0	.164	.085	.025	.159	.083	.025	.149	.079	.024	.141	.075	.023	.132	.072	.022	
5.0	.155	.079	.023	.151	.077	.023	.143	.074	.022	.135	.071	.021	.128	.068	.021	
6.0	.147	.074	.021	.144	.073	.021	.137	.070	.020	.130	.067	.020	.124	.065	.019	
7.0	.140	.069	.020	.137	.068	.019	.131	.066	.019	.125	.064	.019	.120	.062	.018	
8.0	.134	.066	.018	.131	.065	.018	.126	.063	.018	.121	.061	.018	.116	.059	.017	
9.0	.128	.062	.017	.126	.061	.017	.121	.060	.017	.116	.058	.017	.112	.057	.016	
10.0	.123	.059	.016	.121	.058	.016	.117	.057	.016	.112	.056	.016	.109	.055	.016	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients (CCEC)															
0.0	.246	.246	.246	.210	.210	.210	.144	.144	.144	.083	.083	.083	.026	.026	.026	
1.0	.219	.204	.190	.187	.175	.163	.128	.120	.113	.074	.070	.066	.024	.022	.021	
2.0	.197	.171	.150	.169	.148	.130	.116	.102	.090	.067	.059	.053	.021	.019	.017	
3.0	.179	.147	.121	.153	.126	.105	.105	.088	.073	.061	.051	.043	.020	.017	.014	
4.0	.164	.127	.099	.141	.110	.086	.097	.076	.061	.056	.045	.036	.018	.015	.012	
5.0	.151	.111	.082	.130	.096	.071	.089	.067	.050	.052	.040	.030	.017	.013	.010	
6.0	.140	.099	.069	.121	.086	.060	.083	.060	.043	.048	.035	.025	.016	.012	.008	
7.0	.131	.089	.059	.113	.077	.051	.078	.054	.036	.045	.032	.022	.015	.010	.007	
8.0	.123	.080	.051	.106	.069	.044	.073	.049	.031	.043	.029	.019	.014	.009	.006	
9.0	.116	.073	.044	.100	.063	.038	.069	.045	.027	.040	.026	.016	.013	.009	.005	
10.0	.110	.067	.039	.095	.058	.034	.066	.041	.024	.038	.024	.014	.012	.008	.005	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:ZT
Test Date:2024-01-22

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: BL7069-C40-3-36-NS						TYPE:		WEIGHT:		
SPEC.:						DIM.:		SERIAL No.:		
MFR.:						SUR.:		Shielding Angle:		
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				
x = 2H y = 2H						Viewed endwise				
3H						1.6	2.4	1.9	2.6	2.7
4H						1.8	2.5	2.0	2.7	2.8
6H						1.9	2.5	2.1	2.7	2.9
8H						2.0	2.6	2.3	2.9	3.1
12H						2.1	2.8	2.4	3.0	3.3
2H						2.3	2.9	2.6	3.1	3.4
3H						2.5	3.3	2.7	3.5	3.7
4H						2.6	3.3	2.8	3.5	3.7
6H						2.7	3.3	2.9	3.5	3.7
8H						2.7	3.3	3.0	3.6	3.8
12H						2.8	3.4	3.1	3.7	3.9
2H						2.5	3.1	2.7	3.4	3.6
3H						2.6	3.2	2.8	3.4	3.7
4H						2.7	3.2	3.0	3.5	3.8
6H						2.8	3.3	3.2	3.6	4.0
8H						2.9	3.4	3.3	3.7	4.1
12H						3.1	3.5	3.5	3.9	4.3
2H						2.0	2.4	2.4	2.8	3.1
3H						2.4	2.8	2.8	3.2	3.6
4H						2.7	3.1	3.2	3.5	3.9
6H						3.1	3.4	3.5	3.8	4.3
8H						2.0	2.4	2.4	2.7	3.1
12H						2.4	2.8	2.9	3.2	3.6
2H						2.8	3.1	3.3	3.5	4.0
3H						2.6	3.0	3.0	3.4	3.8
4H						2.9	3.2	3.4	3.7	4.1
6H						3.2	3.5	3.7	3.9	4.4
8H						2.6	3.0	3.0	3.4	3.8
12H						2.9	3.2	3.4	3.7	4.1
2H						3.2	3.5	3.7	3.9	4.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H						+ 1.4 / - 1.4				
1.5H						+ 2.0 / - 1.8				
2.0H						+ 2.7 / - 2.3				

CIE Pub.117, 3000 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.8)
Area: 0.1 m2

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:ZT
Test Date:2024-01-22

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: BL7069-C40-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

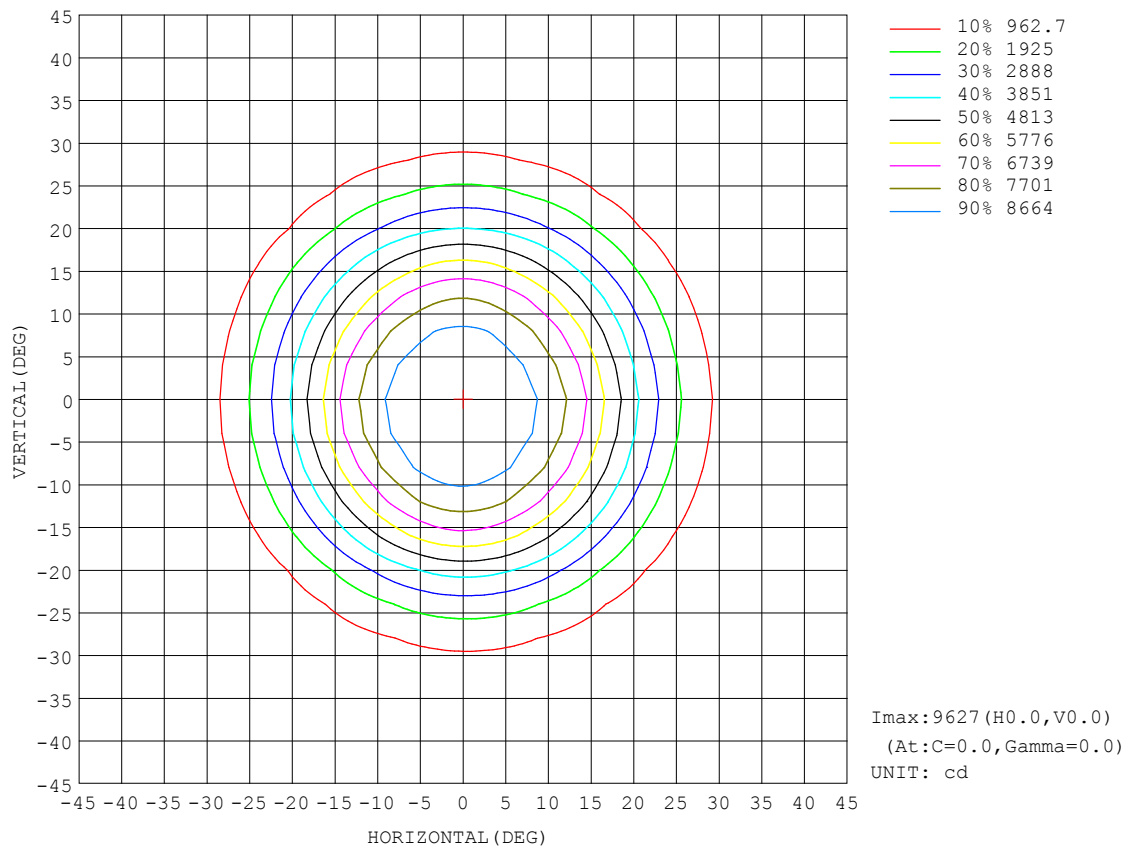
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	115	108	103	115	107	103	114	107	103	98
0.80	125	117	113	124	117	113	122	116	112	108
1.00	130	123	119	129	122	118	127	122	118	113
1.25	135	128	124	133	128	124	131	126	123	117
1.50	138	132	128	136	131	128	134	129	126	121
2.00	141	136	132	139	135	131	136	132	129	123
2.50	143	138	135	141	137	134	137	134	131	124
3.00	145	141	137	143	139	136	138	136	133	125
4.00	148	144	141	145	142	140	140	138	136	127
5.00	149	146	144	146	144	142	141	140	138	128
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

H(β) Range: -90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators: ZT
Test Date: 2024-01-22

V(B) Range: -85 - 85DEG
V(B) Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 10.722m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: BL7069-C40-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

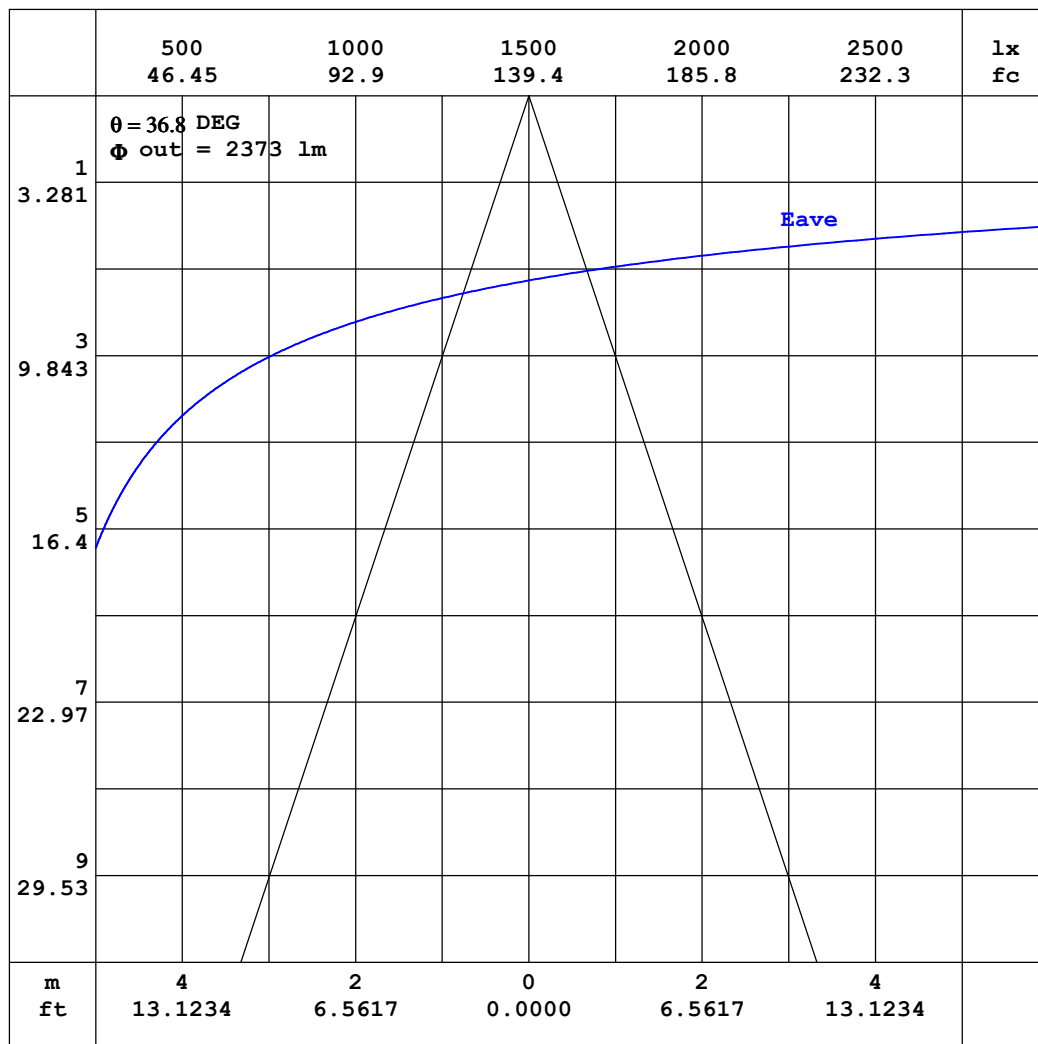


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:ZT
Test Date:2024-01-22

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

AAI CURVES

NAME: BL7069-C40-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



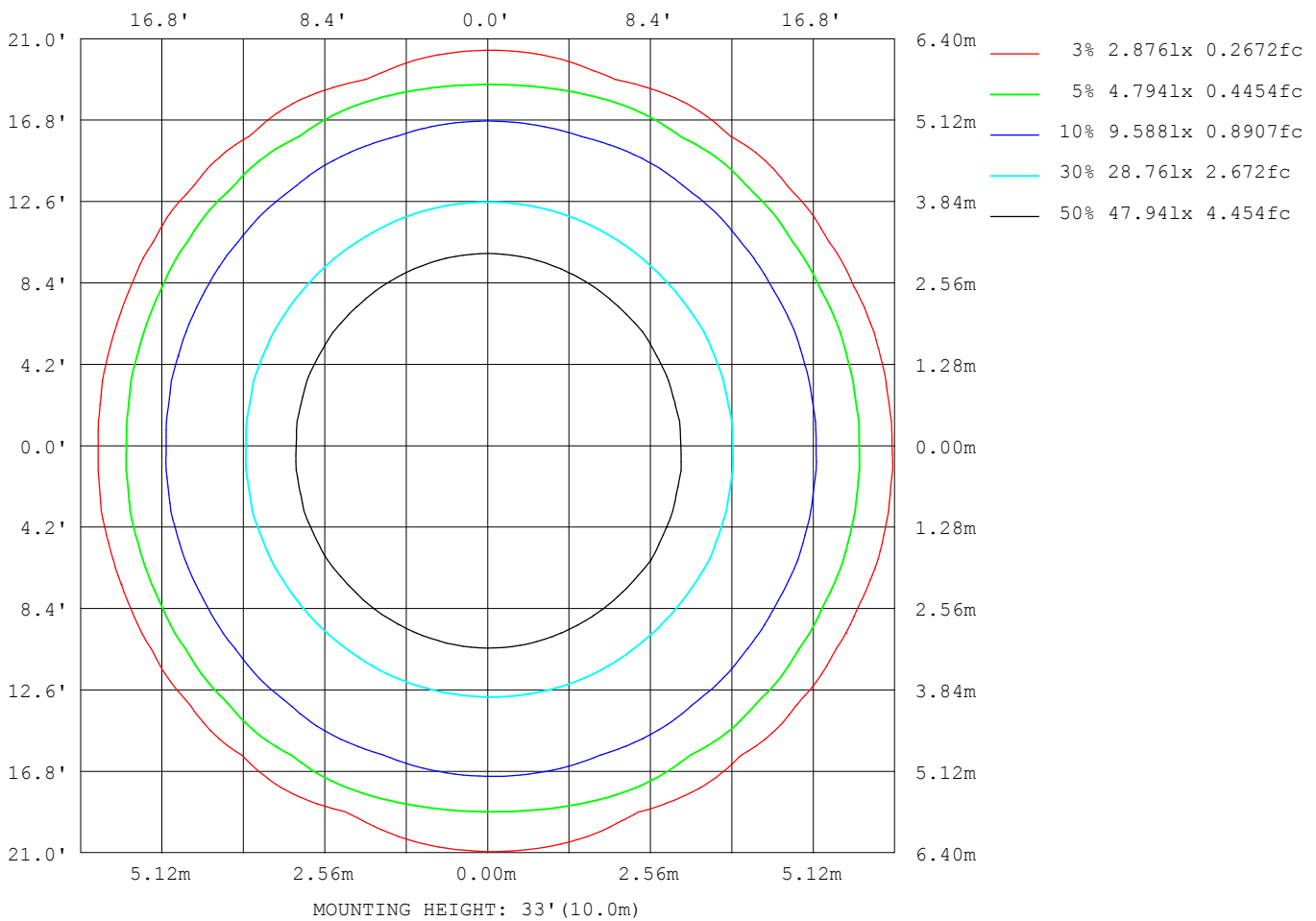
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators: ZT
Test Date: 2024-01-22

V(B) Range: -85 - 85DEG
V(B) Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 10.722m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: BL7069-C40-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-22

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: BL7069-C40-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

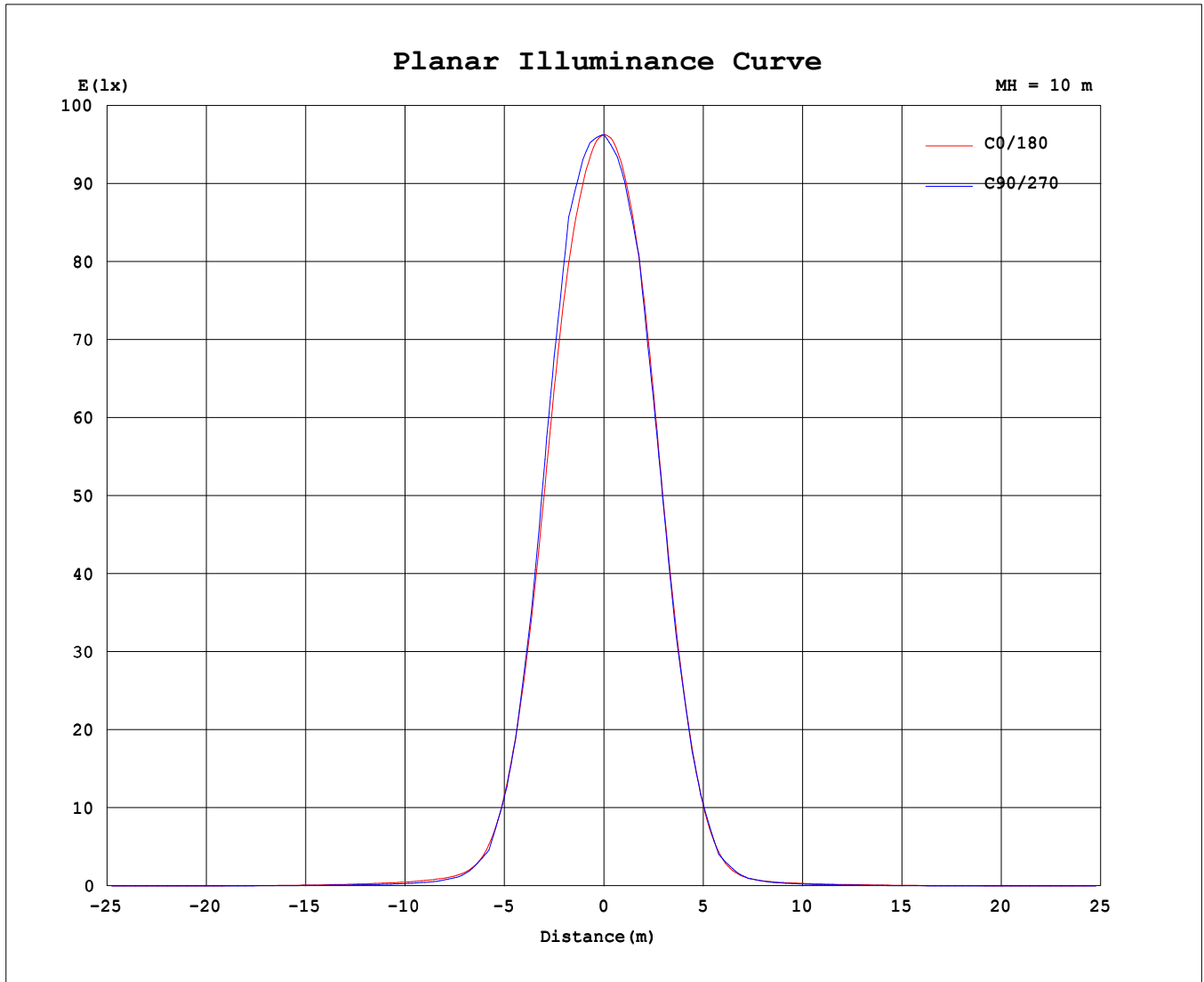
AvgL	cd/m2
L_0~180 (65) av	640
L_0~180 (75) av	620
L_0~180 (85) av	1415
L_90~270 (65) av	329
L_90~270 (75) av	260
L_90~270 (85) av	307
L_45 (65) av	323
L_45 (75) av	255
L_45 (85) av	567

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:ZT
Test Date:2024-01-22

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-22

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks: