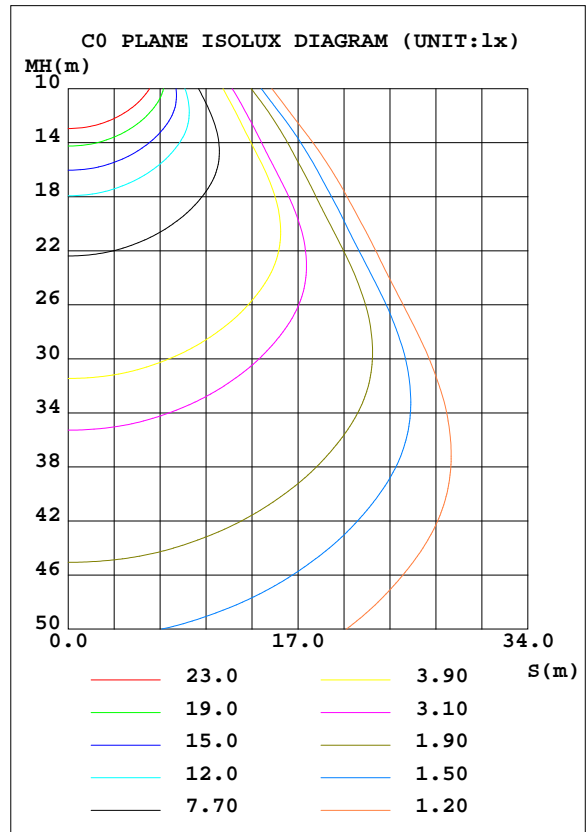
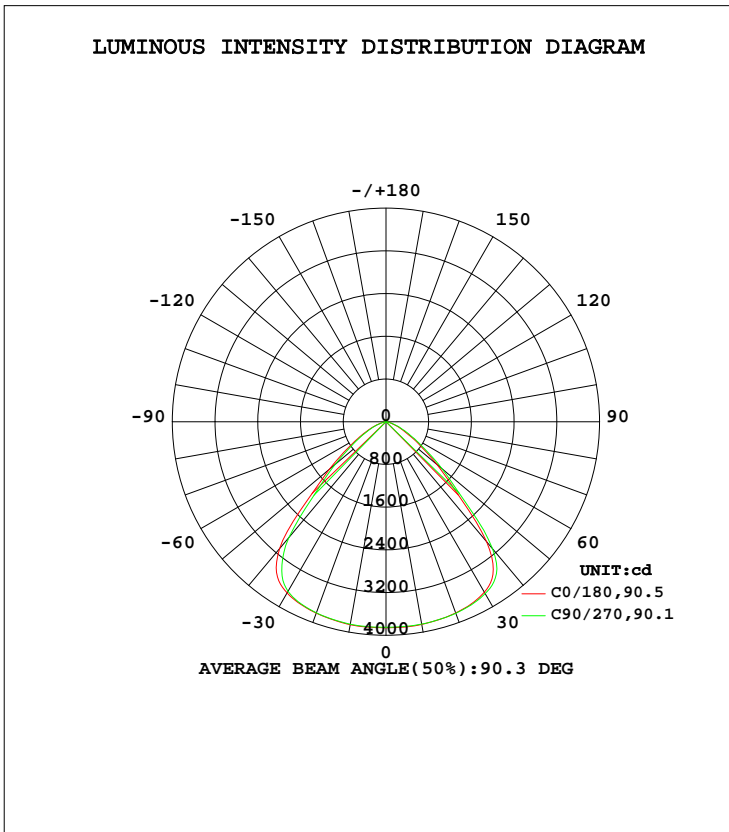


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.2760A P:59.20W PF:0.9800 Freq:0Hz Lamp Flux:8738.52x1 lm		
NAME:	TYPE:LED	WEIGHT:2.2
SPEC.:	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.61 lm/W			
MODEL	HBL-60-90	I _{max} (cd)	3861	S/MH(C0/180)	1.33
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	8738.5	η UP, DN(C0-180)	0.6,50.0
NOMINAL FLUX(lm)	8738.52	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.4,48.9
LAMPS INSIDE	1	η up(%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	98.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:007
 Test Date:2016-08-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: HBL-60-90

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3853	3849	3849	3851	3860	3852	3850	3846	0- 10	367.8	367.8	4.47,4.47
20	3811	3810	3818	3816	3816	3806	3809	3806	10- 20	1086	1454	17.7,17.7
30	3685	3696	3715	3713	3702	3677	3669	3666	20- 30	1740	3194	38.8,38.8
40	2928	3046	3101	3119	3097	2949	2826	2785	30- 40	2156	5350	65.1,65.1
50	1255	1324	1368	1373	1383	1291	1240	1200	40- 50	1560	6909	84,84
60	498.1	551.2	570.0	562.7	573.0	532.1	509.2	484.9	50- 60	771.7	7681	93.4,93.4
70	171.5	192.8	204.4	207.7	205.7	182.7	175.1	168.6	60- 70	338.6	8020	97.5,97.5
80	30.49	35.84	39.75	42.06	39.89	33.80	30.89	30.17	70- 80	101.9	8122	98.8,98.8
90	2.130	1.972	1.957	1.877	0.8242	0.9005	0.9231	0.9444	80- 90	13.74	8135	98.9,98.9
100	5.057	4.729	4.587	4.485	2.083	2.254	2.308	2.344	90-100	2.542	8138	99,99
110	9.970	9.523	9.222	9.096	4.891	5.199	5.353	5.365	100-110	5.538	8144	99,99
120	16.24	15.53	15.10	14.88	9.336	9.646	9.996	9.871	110-120	9.771	8153	99.2,99.2
130	21.79	21.28	20.92	20.79	14.45	14.76	15.02	14.85	120-130	13.69	8167	99.3,99.3
140	26.07	25.92	25.77	25.76	19.10	19.23	19.50	19.19	130-140	15.71	8183	99.5,99.5
150	29.26	29.19	29.51	29.24	22.78	23.02	23.48	23.32	140-150	15.34	8298	99.7,99.7
160	32.29	32.38	32.41	32.38	25.53	25.80	26.43	26.73	150-160	12.79	8411	99.9,99.9
170	35.03	35.10	35.07	35.02	32.61	32.71	33.56	33.56	160-170	8.900	8620	100,100
180	37.14	37.02	36.88	36.84	37.15	37.16	36.65	36.71	170-180	3.369	8738	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 6658.4 lm

%lum = 76.2%
%lamp = 76.2%

Conical surface Flux(120deg): 8161.3 lm

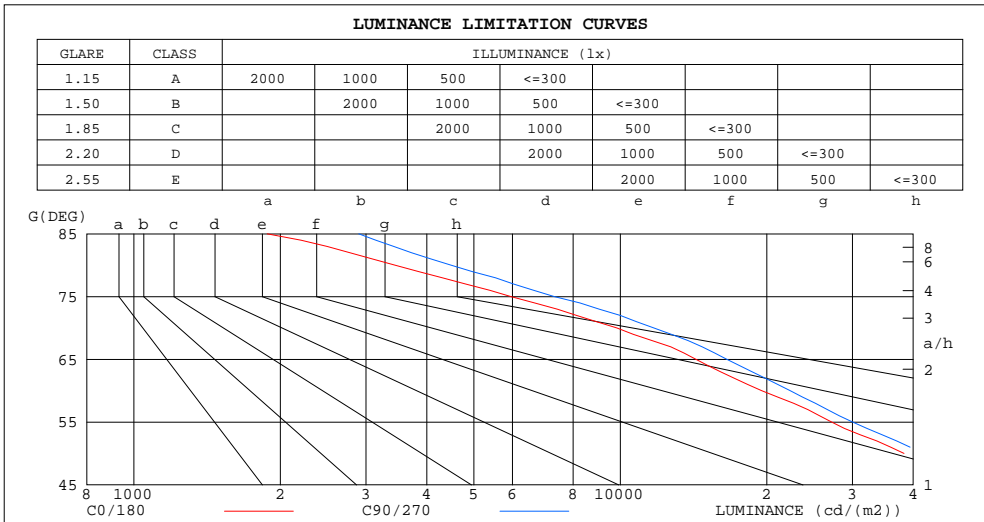
%lum = 93.4%
%lamp = 93.4%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:007
Test Date:2016-08-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.560m [K=1.0000]
Remarks: HBL-60-90

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.2760A P:59.20W PF:0.9800 Freq:0Hz Lamp Flux:8738.52x1 lm		
NAME:	TYPE:LED	WEIGHT:2.2
SPEC.:	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1880	2899
80	3443	4488
75	5955	7313
70	9834	11718
65	14303	16557
60	19532	22351
55	27186	30023
50	38284	41736
45	51852	56649

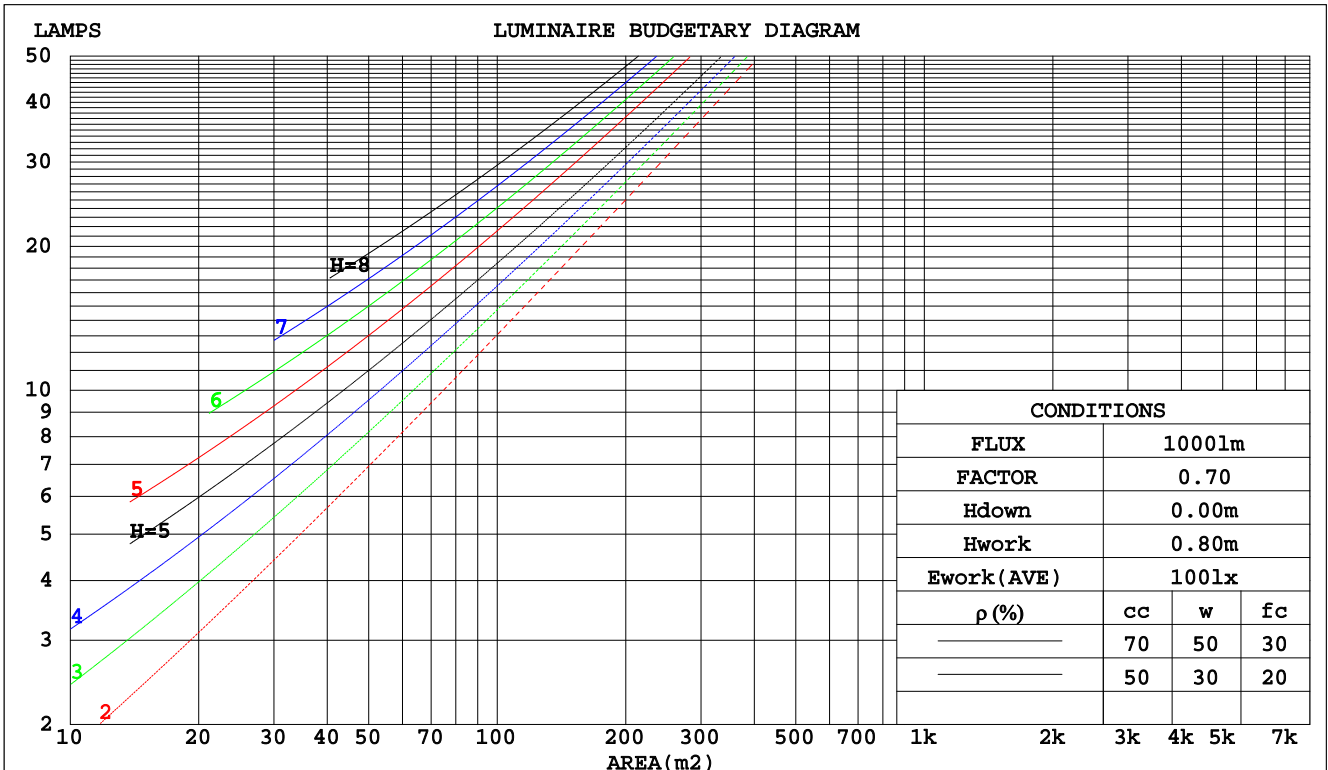
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:007
 Test Date:2016-08-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: HBL-60-90

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.2760A P:59.20W PF:0.9800 Freq:0Hz Lamp Flux:8738.52x1 lm		
NAME:	TYPE:LED	WEIGHT:2.2
SPEC.:	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																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	1.01	1.01	1.01	.99
1.0	1.08	1.05	1.02	1.05	1.03	.90	1.01	.99	.97	.97	.95	.93	.93	.92	.91	.89
2.0	.97	.92	.87	.95	.90	.86	.92	.88	.84	.88	.85	.82	.85	.83	.80	.78
3.0	.88	.81	.76	.86	.80	.75	.83	.78	.74	.80	.76	.72	.78	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.66	.75	.70	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.72	.64	.59	.71	.64	.58	.69	.63	.58	.67	.61	.57	.65	.60	.56	.55
6.0	.66	.58	.52	.65	.57	.52	.63	.57	.52	.61	.56	.51	.60	.55	.51	.49
7.0	.60	.52	.47	.59	.52	.47	.58	.51	.47	.56	.51	.46	.55	.50	.46	.44
8.0	.55	.48	.43	.55	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:007
 Test Date:2016-08-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: HBL-60-90

WEC AND CCEC

Test:U:220.0V I:0.2760A P:59.20W PF:0.9800 Freq:0Hz Lamp Flux:8738.52x1 lm		
NAME:	TYPE:LED	WEIGHT:2.2
SPEC.:	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.231	.131	.042	.224	.128	.041	.210	.121	.039	.198	.114	.037	.187	.108	.035	
2.0	.226	.124	.038	.219	.121	.037	.208	.115	.036	.197	.110	.035	.187	.106	.033	
3.0	.216	.115	.034	.210	.113	.034	.200	.108	.033	.190	.104	.032	.182	.101	.031	
4.0	.204	.106	.031	.200	.105	.031	.191	.101	.030	.182	.098	.030	.175	.095	.029	
5.0	.194	.099	.029	.189	.097	.028	.181	.094	.028	.174	.092	.027	.167	.089	.027	
6.0	.183	.092	.026	.179	.091	.026	.172	.088	.026	.165	.086	.025	.159	.084	.025	
7.0	.173	.086	.024	.170	.085	.024	.164	.083	.024	.157	.081	.023	.152	.079	.023	
8.0	.164	.080	.023	.161	.079	.022	.155	.078	.022	.150	.076	.022	.145	.074	.022	
9.0	.156	.075	.021	.153	.075	.021	.148	.073	.021	.143	.072	.021	.138	.070	.020	
10.0	.148	.071	.020	.146	.070	.020	.141	.069	.019	.136	.068	.019	.132	.066	.019	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.183	.165	.149	.157	.142	.128	.107	.097	.089	.062	.056	.052	.020	.018	.017	
2.0	.172	.140	.114	.147	.121	.099	.101	.084	.069	.058	.049	.040	.019	.016	.013	
3.0	.162	.122	.090	.139	.105	.078	.096	.073	.055	.055	.043	.032	.018	.014	.011	
4.0	.154	.108	.073	.132	.094	.064	.091	.065	.045	.053	.038	.027	.017	.012	.009	
5.0	.147	.097	.061	.126	.084	.053	.087	.059	.037	.050	.035	.022	.016	.011	.007	
6.0	.140	.089	.052	.121	.077	.045	.083	.054	.032	.048	.032	.019	.016	.010	.006	
7.0	.134	.082	.045	.115	.071	.039	.080	.050	.028	.046	.029	.017	.015	.010	.005	
8.0	.129	.076	.040	.111	.066	.035	.077	.046	.025	.045	.027	.015	.014	.009	.005	
9.0	.123	.071	.036	.106	.062	.031	.074	.043	.022	.043	.026	.013	.014	.008	.004	
10.0	.118	.067	.033	.102	.058	.028	.071	.041	.020	.041	.024	.012	.013	.008	.004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:007
 Test Date:2016-08-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: HBL-60-90

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.2760A P:59.20W PF:0.9800 Freq:0Hz Lamp Flux:8738.52x1 lm										
NAME:			TYPE:LED			WEIGHT:2.2				
SPEC.:			DIM.: 260*260*170			SERIAL No.:				
MFR.:			SUR.:0.1275*0.1275*3.14			Shielding Angle:120				
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	16.7	18.0	17.0	18.2	18.4	17.0	18.3	17.3	18.5	18.7
3H	16.8	17.9	17.1	18.2	18.4	17.2	18.3	17.4	18.5	18.8
4H	16.8	17.8	17.1	18.1	18.4	17.1	18.2	17.4	18.5	18.7
6H	16.7	17.7	17.0	18.0	18.3	17.1	18.1	17.4	18.4	18.6
8H	16.6	17.6	17.0	17.9	18.2	17.0	18.0	17.4	18.3	18.6
12H	16.6	17.5	16.9	17.8	18.1	17.0	17.9	17.3	18.2	18.5
4H 2H	16.7	17.8	17.0	18.1	18.3	17.0	18.1	17.3	18.3	18.6
3H	16.9	17.8	17.2	18.1	18.4	17.2	18.2	17.6	18.5	18.8
4H	16.9	17.7	17.3	18.0	18.4	17.2	18.1	17.6	18.4	18.7
6H	16.8	17.6	17.2	17.9	18.3	17.2	17.9	17.6	18.3	18.7
8H	16.8	17.5	17.2	17.8	18.2	17.2	17.8	17.6	18.2	18.6
12H	16.7	17.4	17.2	17.8	18.2	17.1	17.7	17.5	18.1	18.6
8H 4H	16.8	17.5	17.2	17.9	18.3	17.1	17.8	17.6	18.2	18.6
6H	16.8	17.3	17.2	17.7	18.2	17.1	17.7	17.6	18.1	18.5
8H	16.7	17.2	17.2	17.7	18.1	17.1	17.6	17.6	18.0	18.5
12H	16.7	17.1	17.2	17.6	18.1	17.1	17.5	17.5	17.9	18.4
12H 4H	16.7	17.4	17.2	17.8	18.2	17.1	17.7	17.5	18.1	18.5
6H	16.7	17.2	17.2	17.6	18.1	17.1	17.6	17.5	18.0	18.5
8H	16.7	17.1	17.2	17.6	18.1	17.0	17.5	17.5	17.9	18.4
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 2.4					+ 1.4 / - 2.2				
1.5H	+ 1.7 / - 1.6					+ 1.6 / - 1.6				
2.0H	+ 2.7 / - 2.5					+ 2.8 / - 2.6				

CIE Pub.117, 8223 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 7.3)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:007
 Test Date:2016-08-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: HBL-60-90

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.2760A P:59.20W PF:0.9800 Freq:0Hz Lamp Flux:8738.52x1 lm		
NAME:	TYPE:LED	WEIGHT:2.2
SPEC.:	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

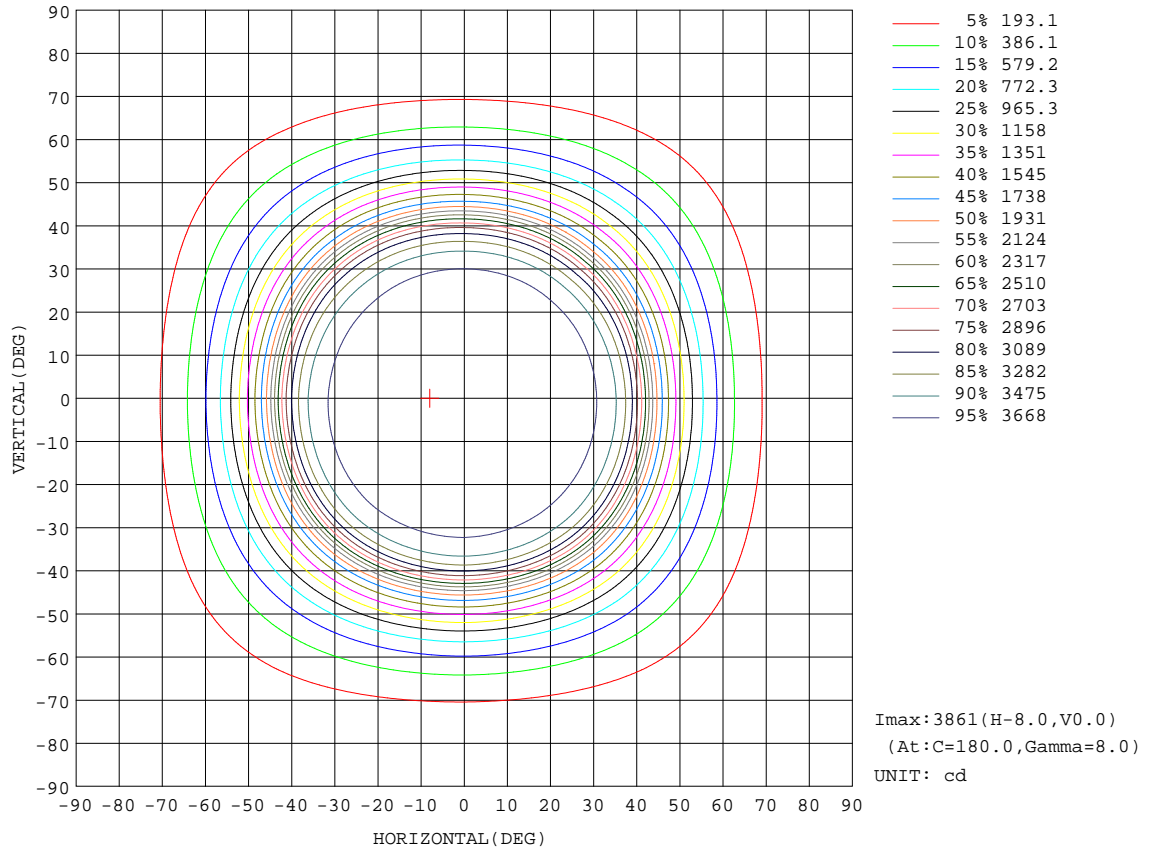
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	69	60	54	69	60	54	68	59	54	49
0.80	79	70	64	78	70	64	77	69	64	58
1.00	87	78	73	86	78	73	84	78	72	66
1.25	93	85	80	92	85	79	89	83	79	73
1.50	97	90	85	96	89	84	93	87	83	77
2.00	102	96	91	101	95	91	97	93	89	82
2.50	105	99	95	103	98	94	99	95	92	85
3.00	107	102	98	105	101	97	101	98	95	87
4.00	110	106	103	108	104	101	104	101	98	90
5.00	112	108	105	109	106	104	105	103	100	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:007
 Test Date:2016-08-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: HBL-60-90

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.2760A P:59.20W PF:0.9800 Freq:0Hz Lamp Flux:8738.52x1 lm		
NAME:	TYPE:LED	WEIGHT:2.2
SPEC.:	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

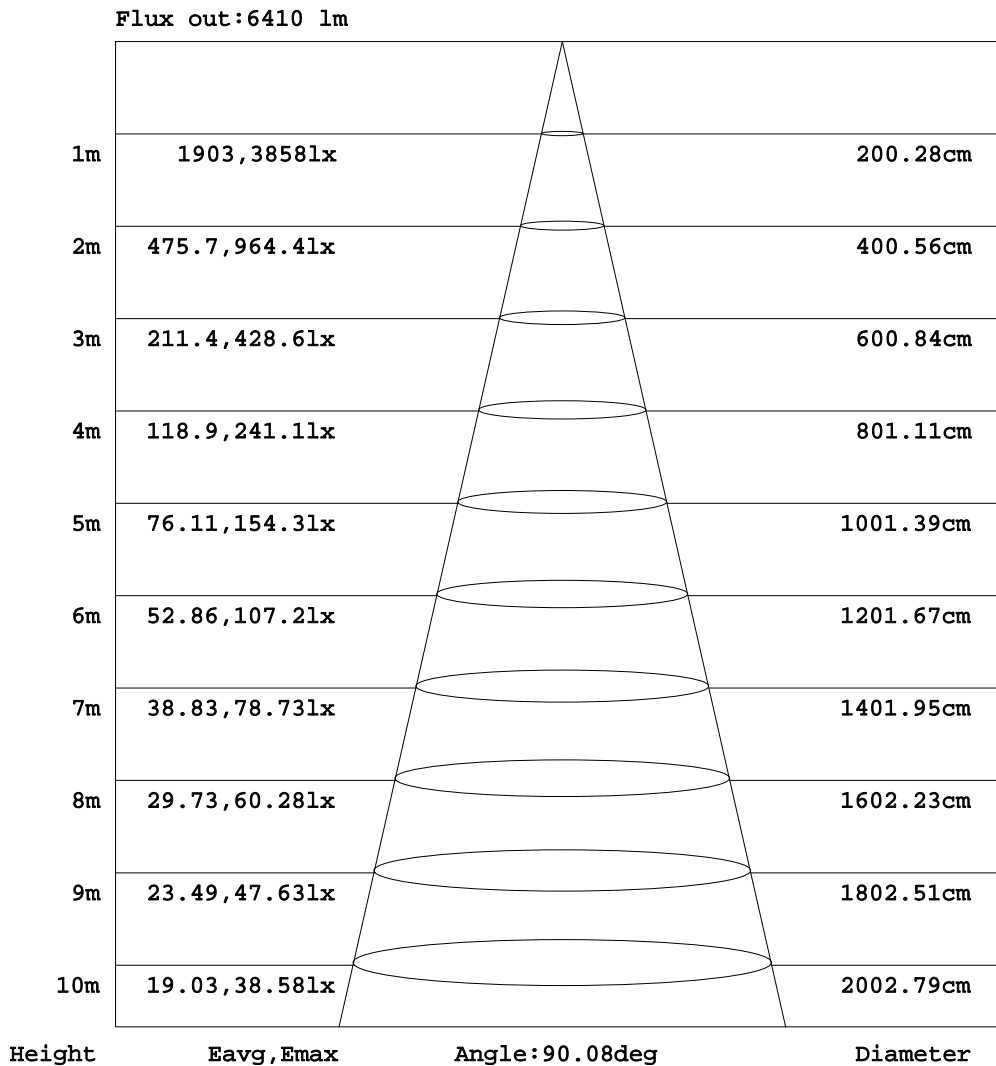


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 007
 Test Date: 2016-08-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 5.560m [K=1.0000]
 Remarks: HBL-60-90

AAI Figure

Test:U:220.0V I:0.2760A P:59.20W PF:0.9800 Freq:0Hz Lamp Flux:8738.52x1 lm		
NAME:	TYPE:LED	WEIGHT:2.2
SPEC.:	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120



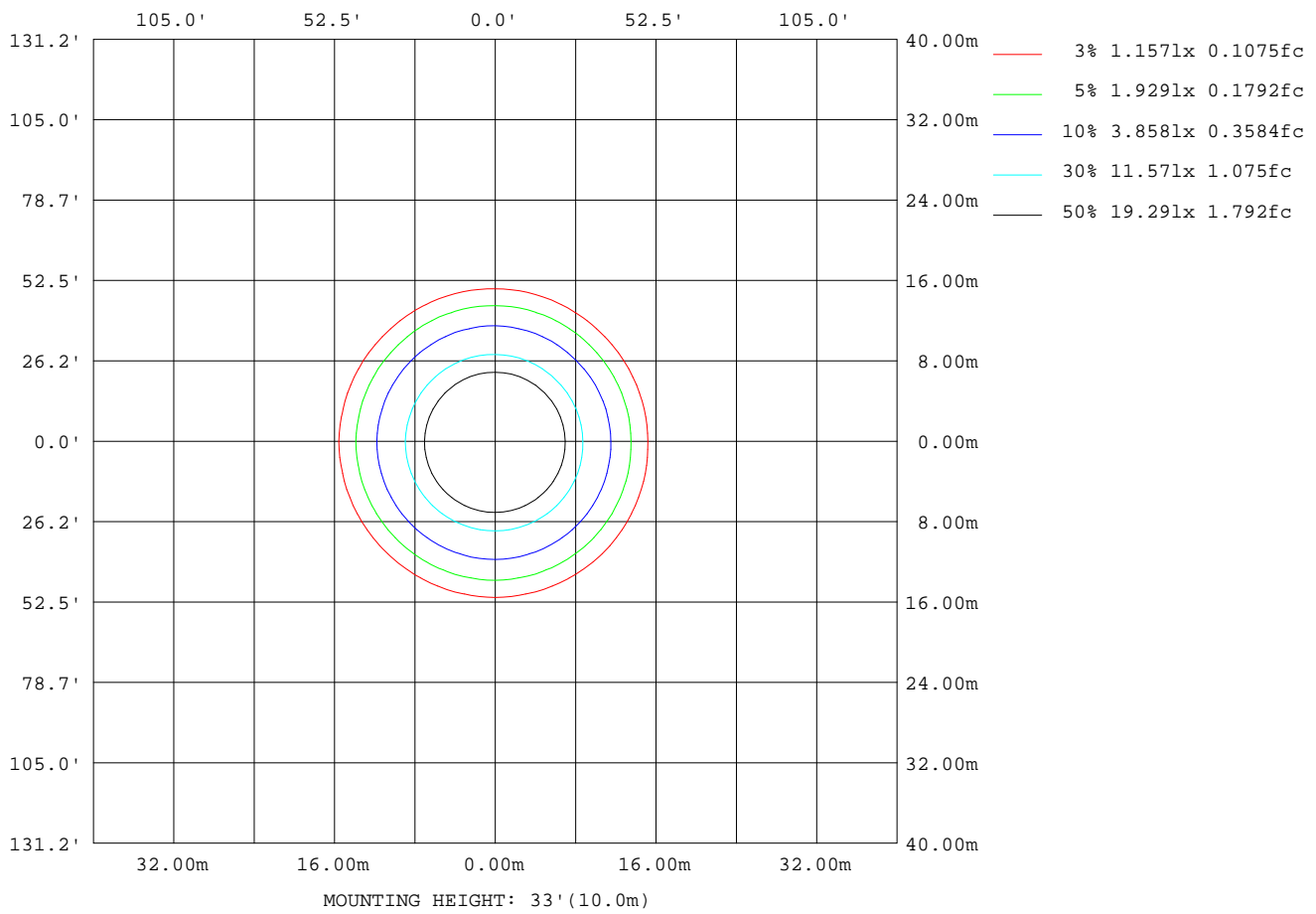
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:007
 Test Date:2016-08-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: HBL-60-90

ISOLUX DIAGRAM

Test:U:220.0V I:0.2760A P:59.20W PF:0.9800 Freq:0Hz Lamp Flux:8738.52x1 lm		
NAME:	TYPE:LED	WEIGHT:2.2
SPEC.:	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:007
 Test Date:2016-08-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: HBL-60-90

LED Avg.L Report

Test:U:220.0V I:0.2760A P:59.20W PF:0.9800 Freq:0Hz Lamp Flux:8738.52x1 lm		
NAME:	TYPE:LED	WEIGHT:2.2
SPEC.:	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

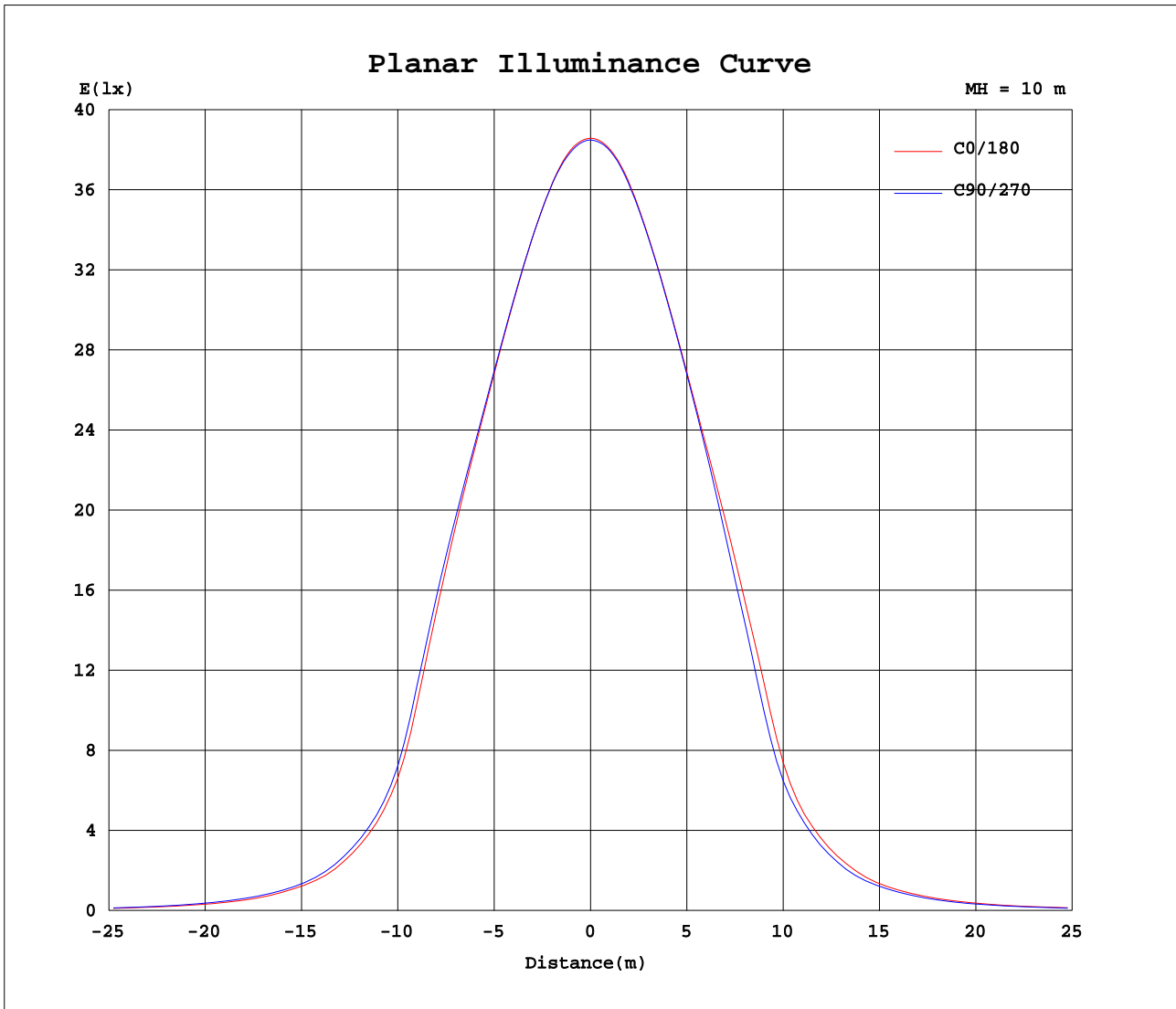
AvgL	cd/m2
L_0~180(65)av	15437
L_0~180(75)av	6665
L_0~180(85)av	2250
L_90~270(65)av	15628
L_90~270(75)av	6677
L_90~270(85)av	2289
L_45(65)av	15448
L_45(75)av	6705
L_45(85)av	2282

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:007
 Test Date:2016-08-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: HBL-60-90

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 007
 Test Date: 2016-08-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 5.560m [K=1.0000]
 Remarks: HBL-60-90

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.2760A P:59.20W PF:0.9800 Freq:0Hz Lamp Flux:8738.52x1 lm		
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SPEC.:	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	3858	3851	3849	3849	3858	3851	3849	3849										
5	3859	3852	3849	3850	3860	3855	3852	3852										
10	3853	3849	3849	3851	3860	3852	3850	3846										
15	3837	3833	3836	3834	3840	3833	3833	3830										
20	3811	3810	3818	3816	3816	3806	3809	3806										
25	3769	3768	3782	3780	3775	3760	3764	3761										
30	3685	3696	3715	3713	3702	3677	3669	3666										
35	3491	3543	3571	3575	3546	3457	3406	3408										
40	2928	3046	3101	3119	3097	2949	2826	2785										
45	1870	1985	2043	2061	2092	1936	1834	1782										
50	1255	1324	1368	1373	1383	1291	1240	1200										
55	795	858	878	879	885	820	787	768										
60	498	551	570	563	573	532	509	485										
65	308	341	357	357	357	328	317	305										
70	172	193	204	208	206	183	175	169										
75	78.6	88.8	96.5	102	97.3	85.1	79.7	78.1										
80	30.5	35.8	39.7	42.1	39.9	33.8	30.9	30.2										
85	8.35	10.8	12.9	13.6	11.6	8.90	7.46	7.26										
90	2.13	1.97	1.96	1.88	0.82	0.90	0.92	0.94										
95	3.33	3.10	3.02	2.93	1.32	1.44	1.48	1.51										
100	5.06	4.73	4.59	4.49	2.08	2.25	2.31	2.34										
105	7.28	6.88	6.65	6.56	3.25	3.49	3.58	3.62										
110	9.97	9.52	9.22	9.10	4.89	5.20	5.35	5.36										
115	13.1	12.5	12.1	11.8	6.98	7.29	7.56	7.47										
120	16.2	15.5	15.1	14.9	9.34	9.65	10.00	9.87										
125	19.2	18.7	18.1	17.9	11.9	12.2	12.5	12.4										
130	21.8	21.3	20.9	20.8	14.5	14.8	15.0	14.8										
135	24.2	23.8	23.4	23.4	16.9	17.1	17.3	17.1										
140	26.1	25.9	25.8	25.8	19.1	19.2	19.5	19.2										
145	27.9	27.7	27.8	27.8	21.2	21.3	21.5	21.4										
150	29.3	29.2	29.5	29.2	22.8	23.0	23.5	23.3										
155	30.6	30.7	30.9	30.7	24.2	24.5	25.1	25.1										
160	32.3	32.4	32.4	32.4	25.5	25.8	26.4	26.7										
165	33.6	33.8	33.7	33.9	28.8	29.1	29.8	30.1										
170	35.0	35.1	35.1	35.0	32.6	32.7	33.6	33.6										
175	36.3	36.2	36.1	36.1	35.3	35.1	35.7	36.0										
180	37.1	37.0	36.9	36.8	37.2	37.2	36.6	36.7										

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