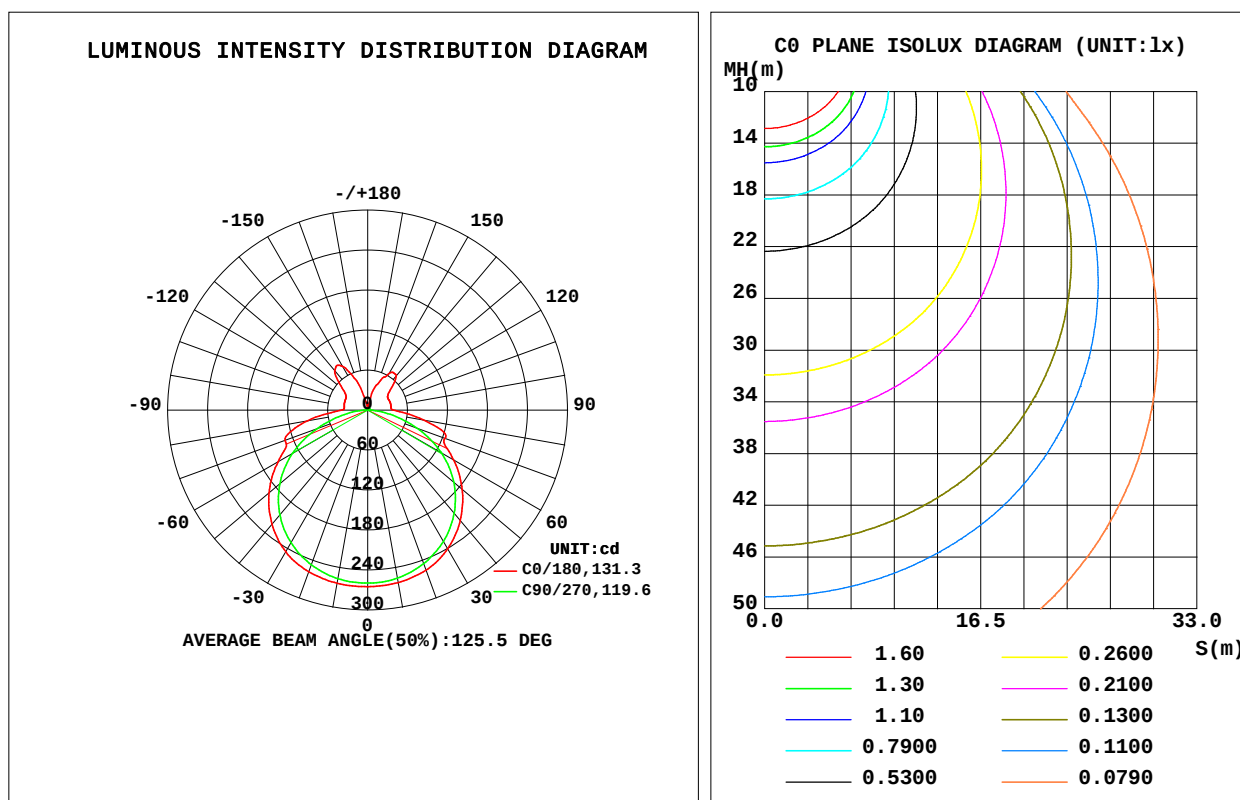


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.03V I:0.5985A P:14.38W PF:1.000 Lamp Flux:1074.11x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:BLD20190704P10
MFR.: BRANDO TECHNOLOGY CO.,LTD	SUR.:0.04*1.0	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.68 lm/W			
MODEL		I _{max} (cd)	265.0	S/MH(C0/180)	1.38
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.32
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1074.1	η UP, DN(C0-180)	7.9,41.8
NOMINAL FLUX(lm)	1074.11	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	7.9,42.5
LAMPS INSIDE	1	η up(%)	15.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	84.2	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:31DEG
Operators:HUA
Test Date:2019-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.380m [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	262.8	258.8	256.1	256.0	263.9	260.2	257.0	255.9	0- 10	24.77	24.77	2.31, 2.31
20	255.6	249.8	245.3	247.9	258.2	252.7	247.2	247.9	10- 20	72.07	96.84	9.02, 9.02
30	240.5	234.8	227.5	233.9	245.7	239.4	229.9	233.5	20- 30	112.4	209.2	19.5, 19.5
40	216.3	211.1	202.0	212.1	223.4	218.0	205.2	211.0	30- 40	140.6	349.8	32.6, 32.6
50	185.3	179.7	168.7	181.6	193.3	187.9	172.2	180.6	40- 50	152.3	502.1	46.7, 46.7
60	148.9	141.8	127.5	143.7	155.5	149.5	130.4	143.1	50- 60	145.4	647.5	60.3, 60.3
70	123.7	101.3	78.14	104.2	132.3	108.3	80.06	101.8	60- 70	120.8	768.3	71.5, 71.5
80	84.33	66.28	30.50	65.06	91.33	68.28	31.43	65.80	70- 80	91.07	859.4	80, 80
90	38.93	29.81	1.718	29.76	39.44	30.96	1.587	29.67	80- 90	45.39	904.8	84.2, 84.2
100	35.59	28.03	1.775	28.67	35.92	29.83	1.294	28.37	90-100	26.97	931.7	86.7, 86.7
110	35.90	27.09	1.932	28.53	36.96	29.56	1.285	26.13	100-110	25.81	957.5	89.1, 89.1
120	35.50	25.58	2.191	30.49	37.77	30.69	1.405	23.63	110-120	23.85	981.4	91.4, 91.4
130	42.17	29.91	2.274	44.66	48.43	43.38	1.590	27.80	120-130	23.79	1005	93.6, 93.6
140	67.03	34.87	2.375	55.32	77.41	56.35	1.821	31.11	130-140	27.99	1033	96.2, 96.2
150	62.10	27.88	2.523	44.26	76.03	44.80	2.515	25.20	140-150	24.34	1058	98.5, 98.5
160	40.67	18.96	2.653	24.59	43.09	25.40	2.865	17.78	150-160	12.88	1070	99.7, 99.7
170	5.352	5.010	2.662	4.751	7.745	5.287	2.865	5.031	160-170	3.678	1074	100, 100
180	0	0	0	0	0	0	0	0	170-180	0.0461	1074	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 425.64 lm

%lum = 39.6%
%lamp = 39.6%

Conical surface Flux(120deg): 647.5 lm

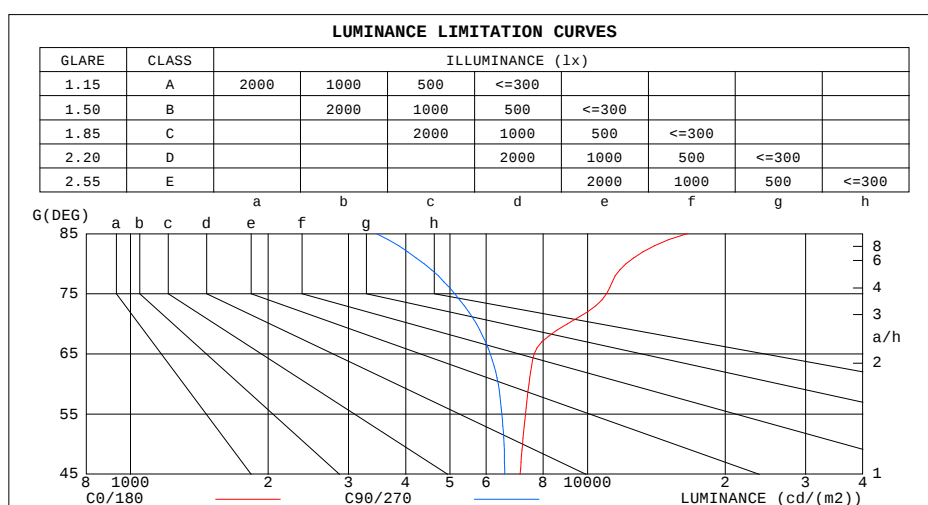
%lum = 60.3%
%lamp = 60.3%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:31DEG
Operators:HUA
Test Date:2019-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.380m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.03V I:0.5985A P:14.38W PF:1.000 Lamp Flux:1074.11x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:BLD20190704P10
MFR.: BRANDO TECHNOLOGY CO.,LTD	SUR.:0.04*1.0	Shielding Angle:



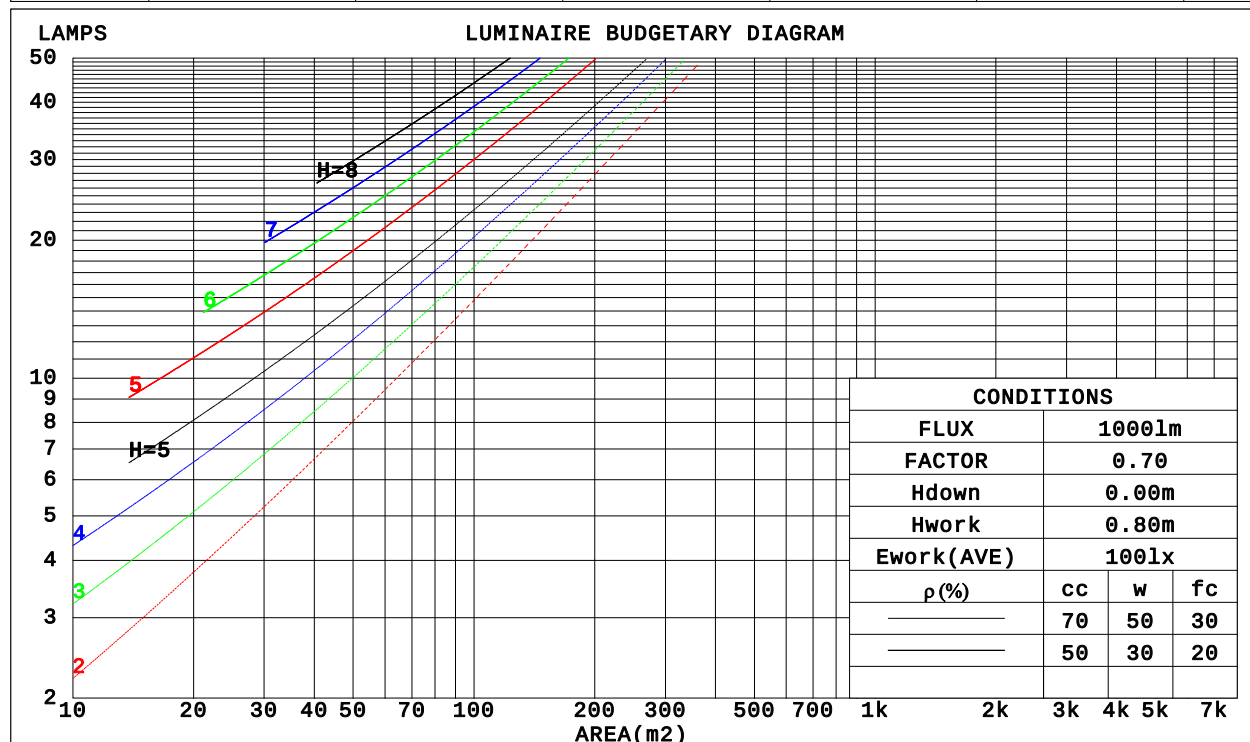
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:31DEG
 Operators:HUA
 Test Date:2019-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.350
 Humidity:43%
 Test Distance:12.380m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.03V I:0.5985A P:14.38W PF:1.000 Lamp Flux:1074.11x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:BLD20190704P10
MFR.: BRANDO TECHNOLOGY CO.,LTD	SUR.:0.04*1.0	Shielding Angle:

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	1.15	1.15	1.15	1.11	1.11	1.11	1.02	1.02	1.02	.95	.95	.95	.88	.88	.88	.84
1.0	.98	.93	.89	.94	.90	.86	.87	.84	.81	.81	.78	.75	.75	.72	.70	.67
2.0	.85	.77	.71	.81	.75	.69	.75	.70	.65	.69	.65	.61	.64	.61	.58	.54
3.0	.74	.65	.58	.71	.63	.57	.66	.59	.54	.61	.55	.51	.56	.52	.48	.45
4.0	.65	.56	.49	.62	.54	.47	.58	.51	.45	.54	.48	.43	.50	.45	.41	.38
5.0	.58	.48	.41	.55	.47	.41	.52	.44	.39	.48	.42	.37	.45	.39	.35	.32
6.0	.52	.42	.36	.50	.41	.35	.46	.39	.34	.43	.37	.32	.40	.35	.31	.28
7.0	.47	.38	.31	.45	.37	.31	.42	.35	.29	.39	.33	.28	.37	.31	.27	.25
8.0	.42	.34	.28	.41	.33	.27	.38	.31	.26	.36	.30	.25	.34	.28	.24	.22
9.0	.39	.30	.25	.37	.30	.24	.35	.28	.23	.33	.27	.22	.31	.25	.22	.20
10.0	.36	.28	.22	.34	.27	.22	.32	.26	.21	.30	.24	.20	.29	.23	.19	.18



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:31DEG
 Operators:HUA
 Test Date:2019-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:43%
 Test Distance:12.380m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:24.03V I:0.5985A P:14.38W PF:1.000 Lamp Flux:1074.11x1 lm														
NAME:					TYPE:LED					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:BLD20190704P10				
MFR.: BRANDO TECHNOLOGY CO.,LTD					SUR.:0.04*1.0					Shielding Angle:				

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	.346	.197	.062	.334	.190	.060	.311	.179	.057	.291	.168	.054	.272	.158	.051	
2.0	.312	.171	.052	.301	.166	.051	.281	.156	.048	.262	.147	.046	.245	.139	.044	
3.0	.282	.150	.045	.273	.146	.044	.254	.138	.042	.237	.130	.040	.222	.123	.038	
4.0	.257	.134	.039	.248	.130	.038	.232	.123	.037	.216	.116	.035	.202	.110	.033	
5.0	.235	.120	.035	.228	.117	.034	.213	.111	.033	.199	.105	.031	.186	.099	.030	
6.0	.217	.109	.031	.210	.106	.030	.196	.101	.029	.183	.095	.028	.171	.090	.027	
7.0	.201	.099	.028	.194	.097	.028	.182	.092	.026	.170	.087	.025	.159	.083	.024	
8.0	.187	.091	.026	.181	.089	.025	.169	.085	.024	.159	.080	.023	.149	.076	.022	
9.0	.175	.084	.024	.169	.082	.023	.159	.078	.022	.149	.075	.021	.139	.071	.020	
10.0	.164	.079	.022	.159	.077	.021	.149	.073	.021	.140	.069	.020	.131	.066	.019	

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	.311	.311	.311	.265	.265	.265	.181	.181	.181	.104	.104	.104	.033	.033	.033	
1.0	.304	.277	.253	.260	.238	.217	.178	.164	.150	.102	.095	.087	.033	.030	.028	
2.0	.297	.254	.218	.254	.218	.188	.174	.151	.131	.100	.088	.077	.032	.028	.025	
3.0	.289	.237	.195	.248	.204	.169	.170	.142	.119	.098	.083	.070	.032	.027	.023	
4.0	.282	.224	.180	.242	.194	.157	.166	.135	.110	.096	.079	.065	.031	.026	.021	
5.0	.274	.214	.170	.236	.185	.148	.162	.130	.104	.094	.076	.062	.030	.025	.020	
6.0	.267	.206	.163	.230	.179	.142	.158	.125	.100	.092	.074	.060	.030	.024	.020	
7.0	.260	.200	.157	.224	.173	.137	.155	.121	.097	.090	.072	.058	.029	.023	.019	
8.0	.254	.194	.153	.219	.168	.133	.151	.118	.095	.088	.070	.056	.028	.023	.019	
9.0	.248	.189	.150	.213	.164	.131	.148	.116	.093	.086	.068	.055	.028	.022	.018	
10.0	.242	.185	.147	.209	.161	.129	.145	.113	.091	.084	.067	.054	.027	.022	.018	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:31DEG
 Operators:HUA
 Test Date:2019-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:43%
 Test Distance:12.380m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.03V I:0.5985A P:14.38W PF:1.000 Lamp Flux:1074.11x1 lm											
NAME:					TYPE:LED			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:BLD20190704P10			
MFR.: BRANDO TECHNOLOGY CO.,LTD					SUR.:0.04*1.0			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					Viewed endwise				
x = 2H y = 2H	19.0	20.3	19.4	20.8	21.3	18.4	19.8	18.9	20.2	20.8	
	21.2	22.4	21.7	22.9	23.5	19.9	21.2	20.4	21.7	22.2	
	22.5	23.7	23.1	24.3	24.8	20.5	21.7	21.0	22.2	22.8	
	23.7	24.8	24.3	25.4	26.0	20.9	22.0	21.5	22.6	23.2	
	24.2	25.3	24.8	25.9	26.5	21.0	22.1	21.6	22.6	23.3	
	24.7	25.8	25.3	26.3	27.0	21.1	22.1	21.6	22.7	23.3	
4H	2H	19.6	20.7	20.1	21.3	21.8	19.1	20.3	19.7	20.8	
	3H	22.0	23.1	22.6	23.6	24.2	20.9	21.9	21.5	22.5	
	4H	23.6	24.5	24.2	25.1	25.8	21.6	22.6	22.2	23.2	
	6H	24.9	25.8	25.5	26.4	27.1	22.2	23.0	22.8	23.7	
	8H	25.5	26.3	26.1	26.9	27.6	22.4	23.2	23.0	23.8	
	12H	26.1	26.8	26.8	27.5	28.2	22.5	23.2	23.1	23.8	
8H	4H	23.9	24.7	24.5	25.3	26.0	22.3	23.1	22.9	23.7	
	6H	25.5	26.1	26.1	26.8	27.5	23.1	23.7	23.8	24.4	
	8H	26.2	26.8	26.9	27.5	28.3	23.4	24.0	24.1	24.6	
	12H	27.0	27.5	27.7	28.2	29.0	23.6	24.1	24.3	24.8	
12H	4H	23.9	24.6	24.6	25.3	26.0	22.4	23.1	23.1	23.8	
	6H	25.5	26.1	26.2	26.8	27.6	23.4	23.9	24.0	24.6	
	8H	26.4	26.9	27.1	27.6	28.4	23.7	24.2	24.4	24.9	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117 Corrected 1074 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.2)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:31DEG
 Operators:HUA
 Test Date:2019-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:43%
 Test Distance:12.380m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.03V I:0.5985A P:14.38W PF:1.000 Lamp Flux:1074.11x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:BLD20190704P10
MFR.: BRANDO TECHNOLOGY CO.,LTD	SUR.:0.04*1.0	Shielding Angle:

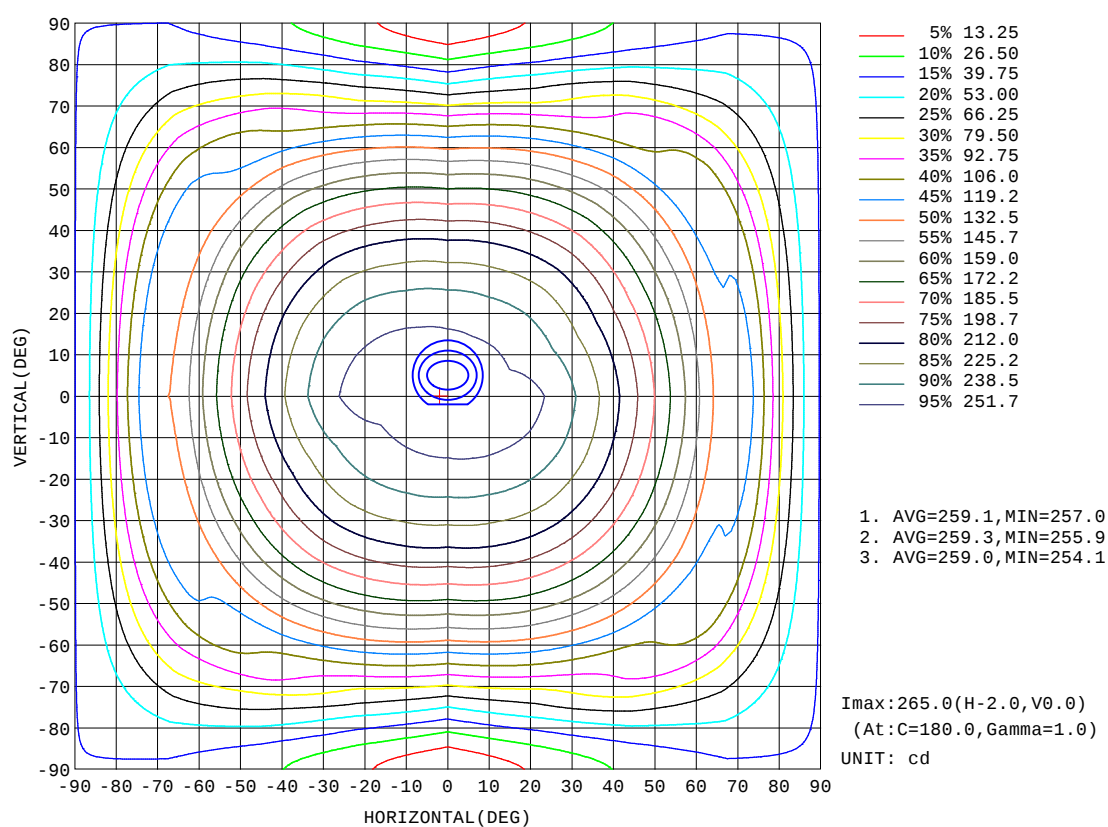
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	38	31	49	38	31	47	37	30	23
0.80	60	47	40	58	47	39	55	45	38	30
1.00	68	56	48	66	55	47	62	55	46	37
1.25	75	63	55	73	62	54	68	59	53	43
1.50	80	69	61	77	67	60	72	64	58	47
2.00	87	77	70	84	75	68	79	71	65	54
2.50	92	82	75	88	80	74	82	75	70	58
3.00	95	87	80	92	84	78	85	79	74	61
4.00	100	93	87	96	90	85	89	84	80	66
5.00	102	96	91	98	93	89	91	87	83	69
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:31DEG
 Operators:HUA
 Test Date:2019-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.350
 Humidity:43%
 Test Distance:12.380m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:24.03V I:0.5985A P:14.38W PF:1.000 Lamp Flux:1074.11x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:BLD20190704P10
MFR.: BRANDO TECHNOLOGY CO.,LTD	SUR.:0.04*1.0	Shielding Angle:



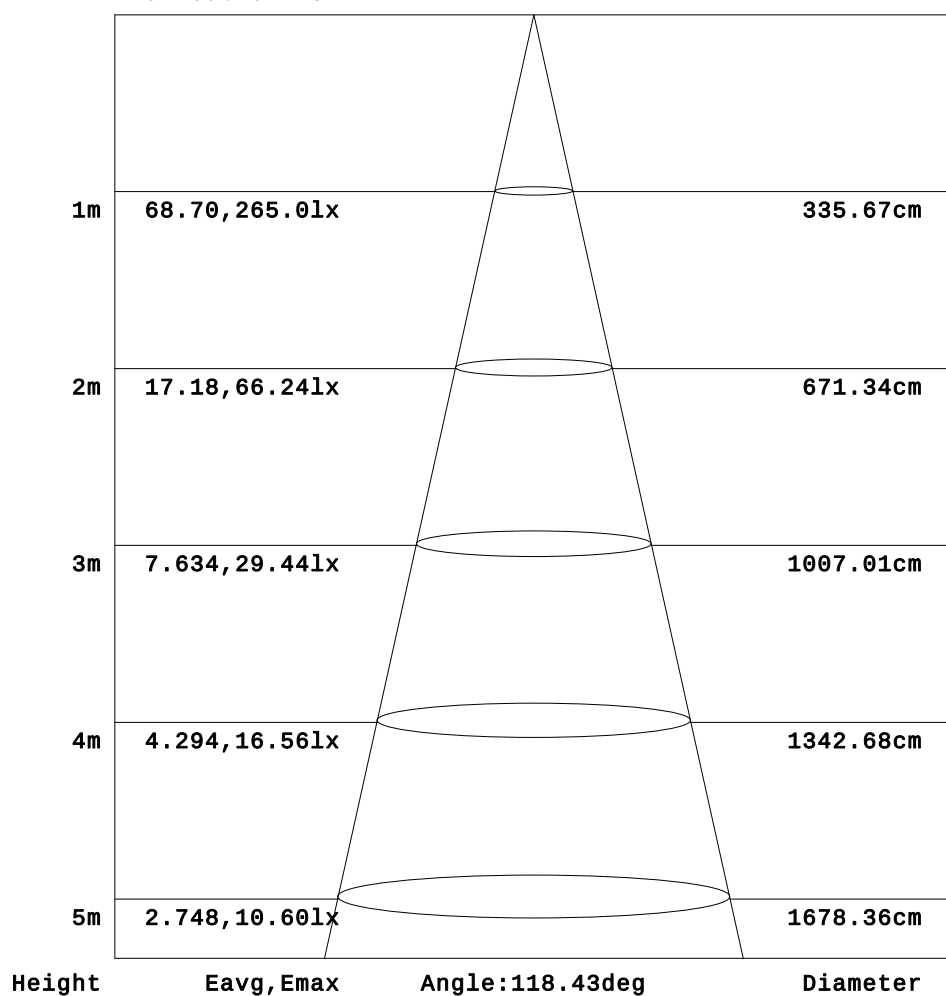
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:31DEG
 Operators:HUA
 Test Date:2019-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.350
 Humidity:43%
 Test Distance:12.380m [K=1.0000]
 Remarks:

AAI Figure

Test:U:24.03V I:0.5985A P:14.38W PF:1.000 Lamp Flux:1074.11x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:BLD20190704P10
MFR.: BRANDO TECHNOLOGY CO.,LTD	SUR.:0.04*1.0	Shielding Angle:

Flux out:647.5 lm



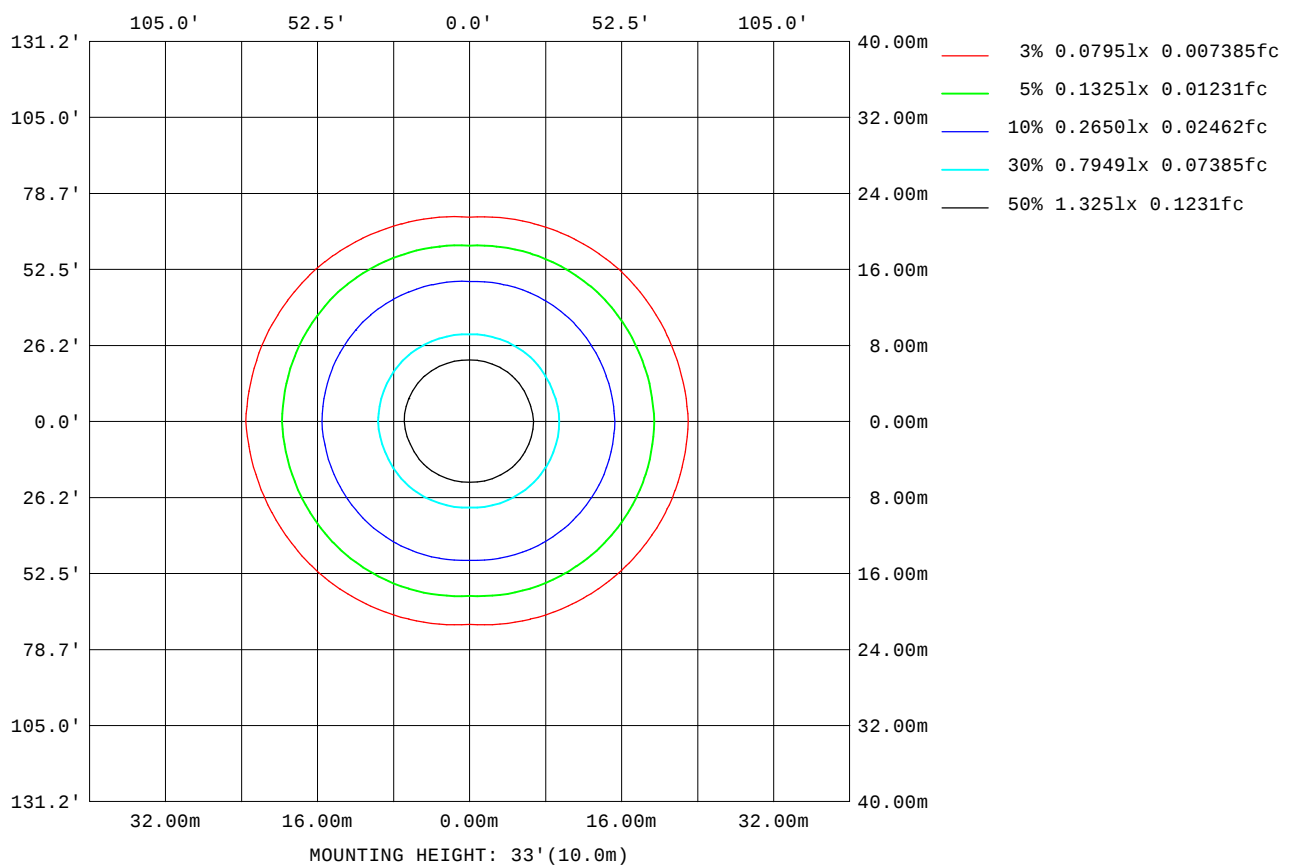
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 31DEG
 Operators: HUA
 Test Date: 2019-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.350
 Humidity: 43%
 Test Distance: 12.380m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:24.03V I:0.5985A P:14.38W PF:1.000 Lamp Flux:1074.11x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:BLD20190704P10
MFR.: BRANDO TECHNOLOGY CO.,LTD	SUR.:0.04*1.0	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:31DEG
Operators:HUA
Test Date:2019-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.380m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.03V I:0.5985A P:14.38W PF:1.000 Lamp Flux:1074.11x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:BLD20190704P10
MFR.: BRANDO TECHNOLOGY CO.,LTD	SUR.:0.04*1.0	Shielding Angle:

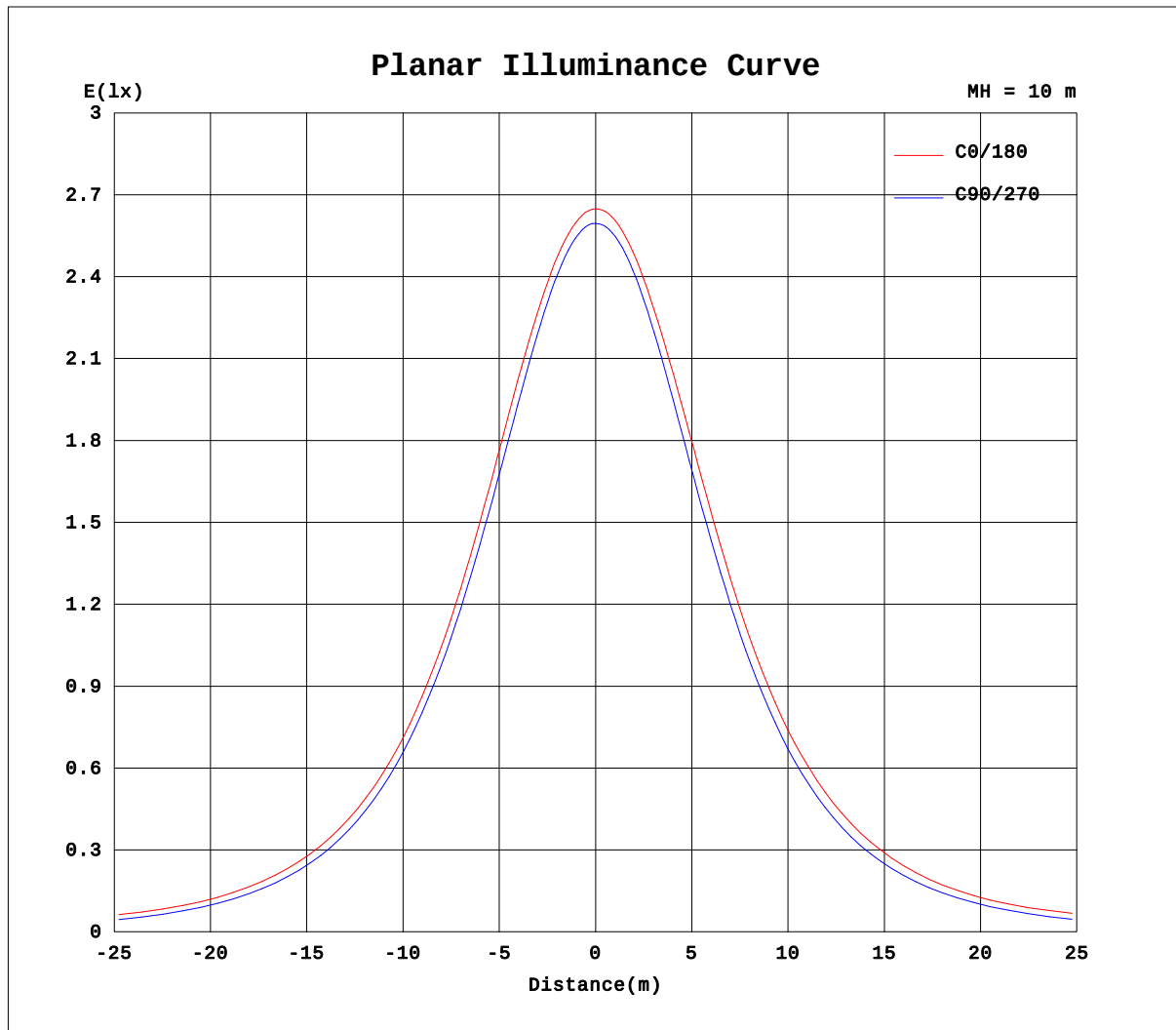
AvgL	cd/m2
L_0~180(65)av	7855
L_0~180(75)av	11156
L_0~180(85)av	17002
L_90~270(65)av	6203
L_90~270(75)av	5187
L_90~270(85)av	3524
L_45(65)av	7295
L_45(75)av	8804
L_45(85)av	12243

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:31DEG
 Operators:HUA
 Test Date:2019-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.350
 Humidity:43%
 Test Distance:12.380m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 31DEG
Operators: HUA
Test Date: 2019-07-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.350
Humidity: 43%
Test Distance: 12.380m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.03V I:0.5985A P:14.38W PF:1.000 Lamp Flux:1074.11x1 lm																	
NAME:									TYPE:LED						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:BLD20190704P10		
MFR.: BRANDO TECHNOLOGY CO.,LTD									SUR.:0.04*1.0						Shielding Angle:		

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	265	263	262	261	260	259	258	258	265	263	262	261	260	259	258	258			
5	264	263	261	260	259	258	258	257	265	263	262	260	259	258	258	257			
10	263	261	259	257	256	256	256	256	264	262	260	258	257	256	256	256			
15	260	258	255	253	252	252	253	254	262	260	257	255	253	252	253	253			
20	256	253	250	247	245	246	248	250	258	256	253	249	247	247	248	248			
25	249	247	243	239	237	239	242	245	253	251	247	242	240	240	242	243			
30	240	238	235	230	228	230	234	237	246	243	239	233	230	231	234	234			
35	229	227	224	219	216	219	224	227	236	234	230	223	219	220	223	223			
40	216	214	211	206	202	206	212	215	223	222	218	211	205	208	211	211			
45	201	200	196	192	186	191	198	201	209	207	204	196	190	193	197	197			
50	185	183	180	175	169	175	182	186	193	191	188	179	172	177	181	181			
55	168	165	162	156	149	156	163	168	175	174	170	161	152	158	163	163			
60	149	147	142	135	128	136	144	149	156	154	149	140	130	137	143	145			
65	129	127	121	113	104	113	123	129	136	134	128	116	106	115	122	126			
70	124	116	101	88.9	78.1	88.3	104	121	132	125	108	91.1	80.1	89.7	102	115			
75	114	108	90.5	67.6	53.0	67.4	90.1	107	117	111	93.4	69.6	54.4	67.9	90.6	106			
80	84.3	79.5	66.3	46.0	30.5	44.6	65.1	82.4	91.3	85.7	68.3	46.3	31.4	46.0	65.8	78.2			
85	57.7	55.1	42.0	26.3	12.0	25.7	42.4	55.8	60.9	58.1	44.7	26.9	12.5	26.0	41.6	54.4			
90	38.9	37.5	29.8	15.8	1.72	16.1	29.8	37.8	39.4	39.7	31.0	17.1	1.59	15.6	29.7	37.5			
95	35.6	34.0	28.7	15.5	1.64	15.8	29.0	34.3	35.6	35.2	30.2	16.6	1.36	15.4	28.8	34.5			
100	35.6	34.0	28.0	15.7	1.77	15.9	28.7	34.3	35.9	35.0	29.8	16.6	1.29	15.5	28.4	34.5			
105	35.8	33.8	26.4	15.7	1.84	16.1	28.5	34.6	36.5	35.4	29.6	16.7	1.28	14.9	28.1	34.5			
110	35.9	33.8	27.1	15.4	1.93	16.3	28.5	34.9	37.0	35.7	29.6	16.6	1.28	14.5	26.1	34.3			
115	35.7	33.0	26.5	14.7	2.00	16.3	28.9	35.1	37.2	35.8	29.7	16.6	1.29	13.4	24.0	33.6			
120	35.5	31.8	25.6	14.3	2.19	17.7	30.5	35.7	37.8	36.4	30.7	17.3	1.41	12.2	23.6	32.0			
125	36.8	35.4	26.4	15.4	2.23	20.5	36.0	38.8	40.5	39.3	35.1	20.0	1.50	13.1	23.9	33.2			
130	42.2	41.6	29.9	17.4	2.27	23.0	44.7	47.5	48.4	47.7	43.4	21.8	1.59	14.6	27.8	38.4			
135	54.4	48.1	33.4	18.2	2.38	24.4	52.4	61.8	64.0	61.8	51.5	22.9	1.70	15.0	30.7	44.9			
140	67.0	50.6	34.9	17.1	2.38	21.9	55.3	70.3	77.4	70.6	56.3	21.8	1.82	13.5	31.1	46.6			
145	68.4	47.7	32.1	15.0	2.23	19.2	52.7	73.4	81.6	74.6	55.0	18.3	1.97	12.2	29.2	44.8			
150	62.1	41.9	27.9	13.8	2.52	16.4	44.3	65.9	76.0	69.4	44.8	15.3	2.51	12.4	25.2	37.9			
155	53.1	33.4	22.8	8.12	2.65	11.1	34.0	51.2	60.0	53.3	34.6	10.3	2.87	11.0	20.4	29.9			
160	40.7	23.9	19.0	5.57	2.65	5.48	24.6	36.9	43.1	38.3	25.4	5.95	2.87	6.87	17.8	20.6			
165	29.1	15.9	9.72	4.48	2.66	4.22	12.5	22.9	19.9	23.6	12.8	4.87	2.87	4.38	13.0	12.8			
170	5.35	5.64	5.01	3.55	2.66	3.42	4.75	7.98	7.75	8.56	5.29	3.72	2.87	3.42	5.03	6.58			
175	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			
180	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			

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