

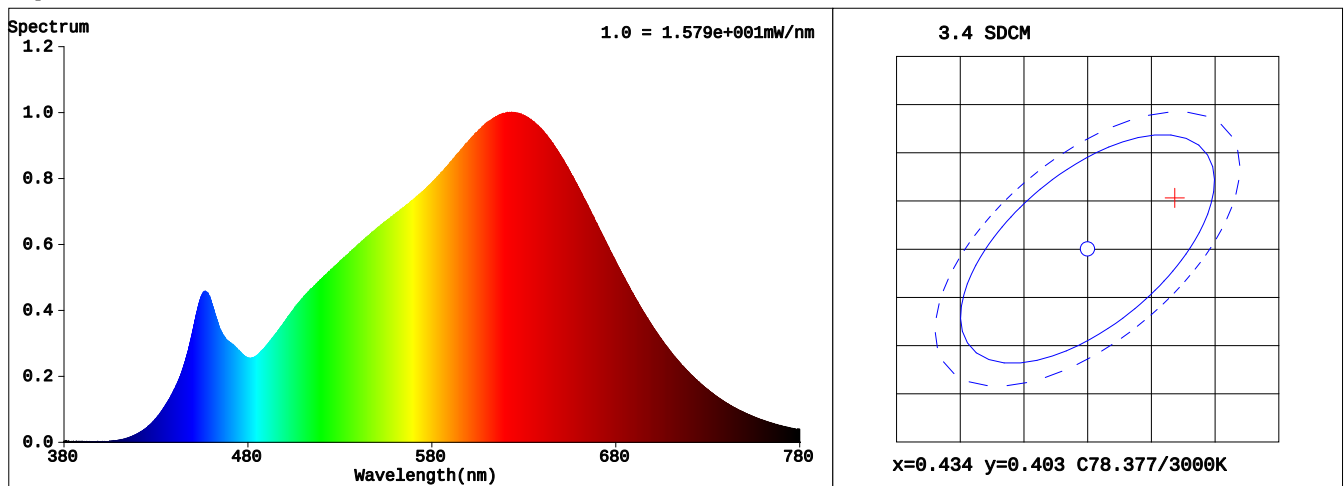
Spectrum Test Report

Sample	:	Date	: 2017-05-18 21:43:32
Specification	:	Standard	:
Sample No.	: BR30-10-930-DIM	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: RAB Lighting Inc	Test by	:
Remark	:		

Test Condition

Temperature	: 25.2Deg	RH	: 30.1%
WL Range	: 380nm-780nm	IP	: 52850 (81%)
Test Mode	: Fast Test	T	: 171 ms
Sensitivity	: High		

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4407$ $y = 0.4085$ / $u' = 0.2511$ $v' = 0.5237$ ($duv=1.24e-03$)

CCT= 2973K Prcp WL: Ld=582.5nm Purity=54.9%

Peak WL: Lp=624nm FWHM: =163.5nm Ratio:R=26.0% G=71.4% B=2.6%

Render Index: Ra = 93.4 TM30:Rf=91 Rg=98

R1 =93 R2 =97 R3 =98 R4 =93 R5 =93 R6 =96 R7 =93

R8 =84 R9 =63 R10=91 R11=93 R12=81 R13=94 R14=98 R15=90

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 787.53 lm Eff. : 86.73 lm/W Fe = 2.7574 W

Flux of emitted photons($\mu\text{mol/s}$):13.71 Fluo. and blue light ratio:10.75 Fluorescent eff.:266.7

Electrical parameters

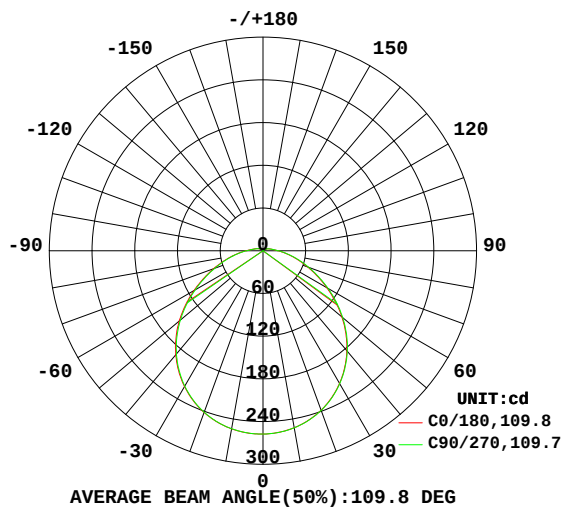
V = 120.06 V I = 0.07880 A P = 9.080 W PF = 0.9598

LUMINAIRE PHOTOMETRIC TEST REPORT

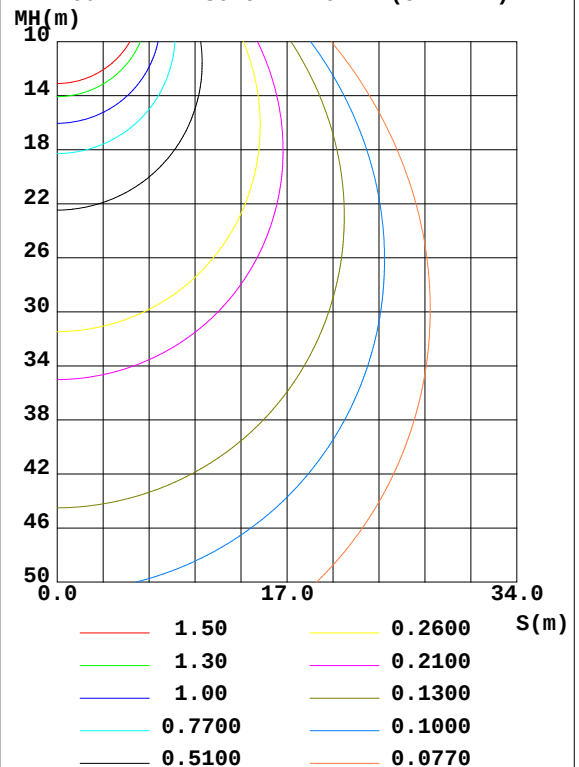
Test:U:120.1V I:0.0787A P:9.080W PF:0.9605 Freq:50.00Hz Lamp Flux:796.286x1 lm		
NAME: BR30-10-930-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 87.70 lm/W			
MODEL		I _{max} (cd)	257.5	S/MH(C0/180)	1.27
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	796.29	η UP, DN(C0-180)	2.7, 46.6
NOMINAL FLUX(lm)	796.286	CIE CLASS	DIRECT	η UP, DN(C180-360)	2.9, 47.8
LAMPS INSIDE	1	η up(%)	5.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	94.4	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-05-19

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.292
Humidity: 65.0%
Test Distance: 1.177m [K=1.0000]
Remarks:

Checker:

Assessor: 崔全

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
5	256.0	256.0	256.1	256.5	256.8	256.9	256.7	256.4	0- 5	6.144	6.144	0.77,0.77
10	252.4	252.2	252.6	253.2	254.0	254.2	253.9	253.2	5- 10	18.23	24.37	3.06,3.06
15	246.6	246.3	246.8	247.8	249.0	249.4	248.8	247.8	10- 15	29.72	54.10	6.79,6.79
20	238.4	238.1	238.7	240.1	241.8	242.2	241.4	240.0	15- 20	40.21	94.31	11.8,11.8
25	227.9	227.4	228.3	230.1	232.2	232.7	231.7	229.9	20- 25	49.31	143.6	18,18
30	215.1	214.5	215.6	217.9	220.4	220.9	219.7	217.4	25- 30	56.66	200.3	25.2,25.2
35	200.1	199.5	200.8	203.5	206.4	206.9	205.4	202.7	30- 35	61.97	262.2	32.9,32.9
40	183.3	182.7	184.2	187.3	190.6	190.9	189.1	186.1	35- 40	65.06	327.3	41.1,41.1
45	164.7	164.2	165.9	169.3	172.9	173.0	171.0	167.7	40- 45	65.79	393.1	49.4,49.4
50	144.8	144.3	146.2	149.8	153.4	153.6	151.4	147.9	45- 50	64.15	457.2	57.4,57.4
55	124.0	123.7	125.7	129.2	132.8	132.9	130.8	127.1	50- 55	60.24	517.5	65,65
60	103.5	103.2	105.3	108.6	111.9	112.0	110.0	106.5	55- 60	54.46	571.9	71.8,71.8
65	84.24	84.03	86.01	89.02	92.02	92.15	90.19	87.06	60- 65	47.48	619.4	77.8,77.8
70	66.97	66.79	68.55	71.21	73.71	73.82	72.16	69.40	65- 70	39.99	659.4	82.8,82.8
75	51.93	51.74	53.28	55.55	57.72	57.83	56.38	54.17	70- 75	32.59	692.0	86.9,86.9
80	39.17	38.99	40.25	42.20	44.11	44.21	42.97	41.06	75- 80	25.70	717.7	90.1,90.1
85	28.89	28.71	29.70	31.27	32.81	32.87	31.88	30.40	80- 85	19.57	737.3	92.6,92.6
90	21.32	21.13	21.81	22.83	24.05	24.07	23.33	22.27	85- 90	14.50	751.8	94.4,94.4
95	16.01	15.87	16.33	17.13	17.85	17.82	17.34	16.64	90- 95	10.71	762.5	95.8,95.8
100	12.61	12.49	12.80	13.35	13.85	13.82	13.51	13.04	95-100	8.098	770.6	96.8,96.8
105	10.14	10.02	10.27	10.71	11.09	11.07	10.84	10.49	100-105	6.331	776.9	97.6,97.6
110	8.160	8.061	8.255	8.620	8.934	8.910	8.735	8.446	105-110	4.974	781.9	98.2,98.2
115	6.549	6.464	6.617	6.921	7.178	7.154	7.016	6.783	110-115	3.875	785.8	98.7,98.7
120	5.227	5.153	5.273	5.531	5.743	5.721	5.617	5.423	115-120	2.981	788.7	99.1,99.1
125	4.134	4.065	4.158	4.382	4.566	4.552	4.474	4.310	120-125	2.258	791.0	99.3,99.3
130	3.232	3.168	3.242	3.440	3.607	3.589	3.533	3.387	125-130	1.677	792.7	99.5,99.5
135	2.494	2.442	2.498	2.666	2.818	2.802	2.759	2.632	130-135	1.217	793.9	99.7,99.7
140	1.898	1.851	1.898	2.052	2.171	2.158	2.126	2.015	135-140	0.8612	794.8	99.8,99.8
145	1.411	1.368	1.407	1.546	1.644	1.637	1.616	1.517	140-145	0.5891	795.4	99.9,99.9
150	1.029	0.9891	1.018	1.142	1.223	1.221	1.210	1.124	145-150	0.3874	795.7	99.9,99.9
155	0.7393	0.7002	0.7204	0.8328	0.9024	0.9038	0.9003	0.8284	150-155	0.2441	796.0	100,100
160	0.5305	0.4898	0.5082	0.6128	0.6688	0.6700	0.6745	0.6170	155-160	0.1474	796.1	100,100
165	0.3932	0.3521	0.3734	0.4760	0.5181	0.5167	0.5283	0.4797	160-165	0.0862	796.2	100,100
170	0.2764	0.2472	0.2813	0.3685	0.4002	0.4194	0.4333	0.3747	165-170	0.0482	796.3	100,100
175	0.1004	0.0834	0.1162	0.1739	0.2137	0.2209	0.2015	0.1816	170-175	0.0203	796.3	100,100
180	0	0	0	0	0	0	0	0	175-180	0.0015	796.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-05-19

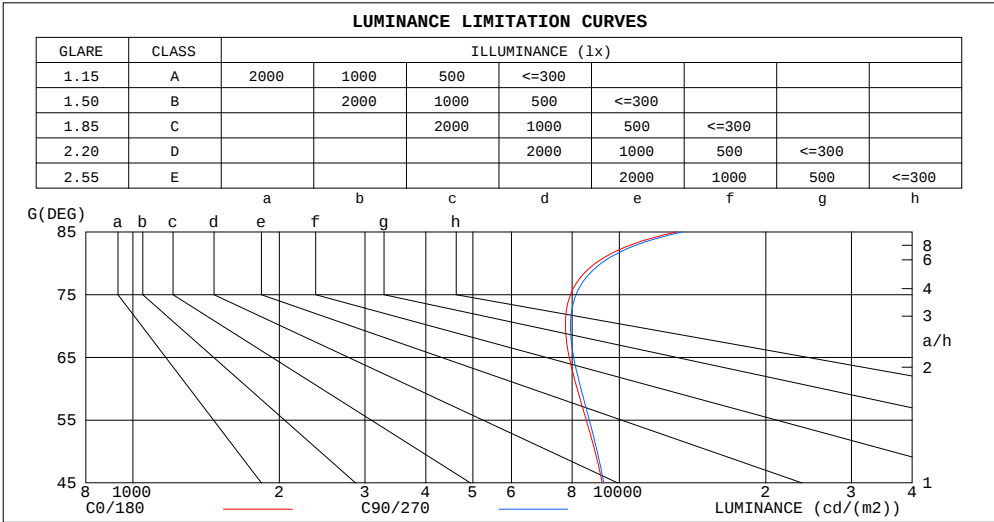
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.292
Humidity:65.0%
Test Distance:1.177m [K=1.0000]
Remarks:

Checker:

Assessor: 崔全

LUMINANCE LIMITATION CURVES

Test:U:120.1V I:0.0787A P:9.080W PF:0.9605 Freq:50.00Hz Lamp Flux:796.286x1 lm		
NAME: BR30-10-930-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	13124	13490
80	8931	9177
75	7943	8150
70	7752	7934
65	7891	8057
60	8193	8339
55	8558	8676
50	8916	9007
45	9223	9291

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-05-19

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.292
Humidity:65.0%
Test Distance:1.177m [K=1.0000]
Remarks:

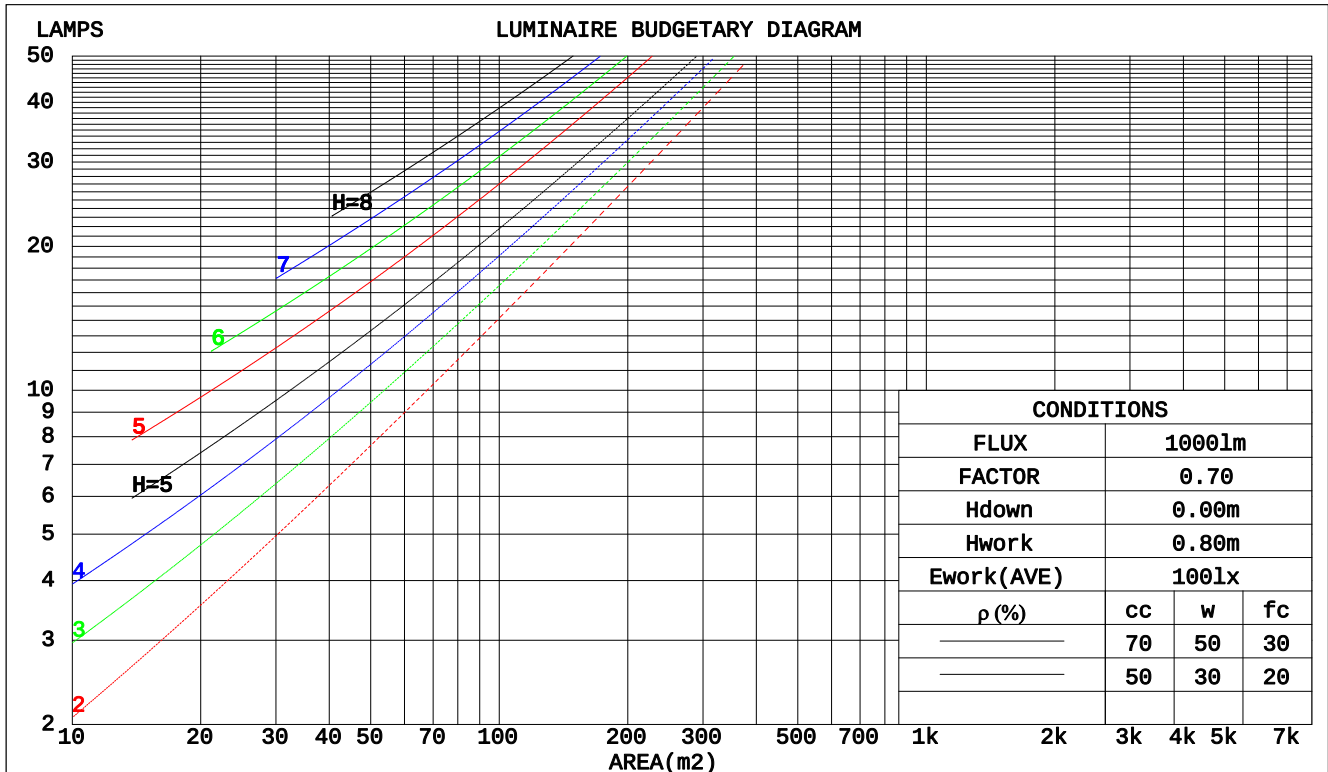
Checker:

Assessor: 崔全

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.0787A P:9.080W PF:0.9605 Freq:50.00Hz Lamp Flux:796.286x1 lm																
NAME: BR30-10-930-DIM								TYPE:				WEIGHT:				
SPEC.:								DIM.:				SERIAL No.:				
MFR.: RAB Lighting Inc								SUR.:				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	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
0.0	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.94
1.0	1.01	.97	.92	.98	.94	.90	.93	.90	.87	.88	.85	.83	.84	.81	.79	.77
2.0	.88	.81	.75	.86	.79	.74	.81	.76	.71	.77	.72	.68	.73	.69	.66	.64
3.0	.77	.69	.62	.75	.67	.61	.71	.65	.59	.68	.62	.58	.65	.60	.56	.53
4.0	.68	.59	.53	.67	.58	.52	.63	.56	.51	.60	.54	.49	.58	.52	.48	.46
5.0	.61	.52	.45	.60	.51	.45	.57	.49	.44	.54	.48	.43	.52	.46	.42	.39
6.0	.55	.46	.39	.54	.45	.39	.51	.44	.38	.49	.42	.37	.47	.41	.37	.34
7.0	.50	.41	.35	.49	.40	.34	.47	.39	.34	.45	.38	.33	.43	.37	.33	.30
8.0	.45	.37	.31	.44	.36	.31	.43	.35	.30	.41	.34	.30	.39	.34	.29	.27
9.0	.42	.33	.28	.41	.33	.28	.39	.32	.27	.38	.31	.27	.36	.31	.26	.24
10.0	.38	.31	.25	.38	.30	.25	.36	.29	.25	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-05-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.292
Humidity: 65.0%
Test Distance: 1.177m [K=1.0000]
Remarks:

Checker:

Assessor: 崔全

WEC AND CCEC

Test:U:120.1V I:0.0787A P:9.080W PF:0.9605 Freq:50.00Hz Lamp Flux:796.286x1 lm									
NAME: BR30-10-930-DIM					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.: RAB Lighting Inc					SUR.:			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	.334	.190	.060	.325	.186	.059	.309	.177	.057	.293	.169	.054	.279	.162	.052		
2.0	.303	.166	.051	.295	.162	.050	.280	.156	.048	.266	.149	.047	.254	.144	.045		
3.0	.275	.147	.044	.268	.144	.043	.255	.138	.042	.243	.133	.041	.232	.128	.040		
4.0	.252	.131	.038	.246	.129	.038	.234	.124	.037	.223	.120	.036	.213	.116	.035		
5.0	.232	.118	.034	.226	.116	.034	.216	.112	.033	.206	.109	.032	.197	.105	.032		
6.0	.214	.107	.031	.209	.106	.030	.200	.102	.030	.191	.099	.029	.182	.096	.029		
7.0	.199	.098	.028	.194	.097	.028	.186	.094	.027	.178	.091	.027	.170	.088	.026		
8.0	.185	.091	.025	.181	.089	.025	.174	.087	.025	.166	.084	.024	.159	.082	.024		
9.0	.174	.084	.023	.170	.083	.023	.163	.081	.023	.156	.078	.022	.150	.076	.022		
10.0	.163	.078	.022	.160	.077	.022	.153	.075	.021	.147	.073	.021	.141	.071	.020		

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	.233	.233	.233	.199	.199	.199	.136	.136	.136	.078	.078	.078	.025	.025	.025	
1.0	.225	.199	.175	.192	.171	.151	.132	.117	.104	.076	.068	.061	.024	.022	.020	
2.0	.217	.175	.140	.186	.151	.121	.127	.104	.084	.073	.061	.049	.024	.020	.016	
3.0	.209	.158	.117	.179	.136	.101	.123	.095	.071	.071	.055	.042	.023	.018	.014	
4.0	.201	.145	.102	.173	.125	.088	.119	.087	.062	.069	.051	.037	.022	.017	.012	
5.0	.194	.134	.091	.166	.116	.079	.115	.081	.056	.066	.048	.033	.021	.016	.011	
6.0	.186	.126	.083	.160	.109	.072	.111	.076	.051	.064	.045	.030	.021	.015	.010	
7.0	.179	.119	.077	.154	.103	.067	.107	.073	.048	.062	.043	.028	.020	.014	.009	
8.0	.173	.114	.073	.149	.099	.064	.103	.069	.045	.060	.041	.027	.019	.013	.009	
9.0	.167	.109	.069	.144	.094	.061	.100	.066	.043	.058	.039	.026	.019	.013	.008	
10.0	.161	.104	.067	.139	.091	.058	.096	.064	.041	.056	.038	.025	.018	.012	.008	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-05-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.292
Humidity:65.0%
Test Distance:1.177m [K=1.0000]
Remarks:

Checker:

Assessor: 崔全

UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.0787A P:9.080W PF:0.9605 Freq:50.00Hz Lamp Flux:796.286x1 lm											
NAME: BR30-10-930-DIM					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: RAB Lighting Inc					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					Viewed endwise				
x = 2H y = 2H		19.7	21.2	20.0	21.5	21.8	19.8	21.2	20.1	21.5	21.8
	3H	21.2	22.6	21.6	22.9	23.2	21.3	22.7	21.7	23.0	23.3
	4H	21.9	23.2	22.3	23.6	23.9	22.0	23.3	22.4	23.7	24.0
	6H	22.6	23.9	23.1	24.2	24.6	22.8	24.0	23.2	24.3	24.7
	8H	23.0	24.2	23.4	24.6	25.0	23.1	24.3	23.6	24.7	25.1
	12H	23.4	24.5	23.9	24.9	25.4	23.6	24.7	24.0	25.1	25.5
4H	2H	20.3	21.5	20.7	21.9	22.3	20.3	21.6	20.7	21.9	22.3
	3H	22.0	23.1	22.4	23.5	23.9	22.1	23.2	22.5	23.6	24.0
	4H	22.9	23.9	23.3	24.3	24.8	23.0	24.0	23.4	24.4	24.9
	6H	23.8	24.7	24.2	25.1	25.6	23.9	24.8	24.3	25.2	25.7
	8H	24.2	25.1	24.7	25.5	26.0	24.3	25.2	24.8	25.7	26.2
	12H	24.7	25.5	25.2	26.0	26.5	24.9	25.6	25.4	26.1	26.7
8H	4H	23.2	24.1	23.7	24.5	25.0	23.3	24.1	23.8	24.6	25.1
	6H	24.3	25.0	24.9	25.5	26.1	24.4	25.1	24.9	25.6	26.2
	8H	24.9	25.6	25.5	26.1	26.7	25.0	25.7	25.6	26.2	26.8
	12H	25.7	26.2	26.2	26.7	27.3	25.8	26.3	26.3	26.9	27.5
12H	4H	23.3	24.0	23.8	24.5	25.1	23.3	24.1	23.8	24.6	25.1
	6H	24.5	25.1	25.0	25.6	26.2	24.5	25.2	25.1	25.7	26.3
	8H	25.2	25.7	25.7	26.3	26.9	25.3	25.8	25.8	26.4	27.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					

CIE Pub.117, 796.3 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -0.8$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-05-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.292
Humidity:65.0%
Test Distance:1.177m [K=1.0000]
Remarks:

Checker:

Assessor: 崔全

UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.0787A P:9.080W PF:0.9605 Freq:50.00Hz Lamp Flux:796.286x1 lm		
NAME: BR30-10-930-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	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) $k(RI) \times RCR = 5$									
$k = 0.60$	55	44	37	54	43	36	53	43	36	30
0.80	65	53	46	64	53	45	62	52	45	38
1.00	73	62	54	72	61	54	69	62	53	45
1.25	80	69	61	78	68	61	75	66	60	52
1.50	85	74	67	83	73	66	80	71	65	57
2.00	92	83	76	90	81	75	86	78	73	64
2.50	96	87	81	93	86	79	89	82	77	68
3.00	99	92	85	97	90	84	92	86	81	72
4.00	103	97	92	100	95	90	95	91	87	76
5.00	106	100	96	103	98	94	97	94	90	79
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:25.3DEG
Operators:
Test Date:2017-05-19

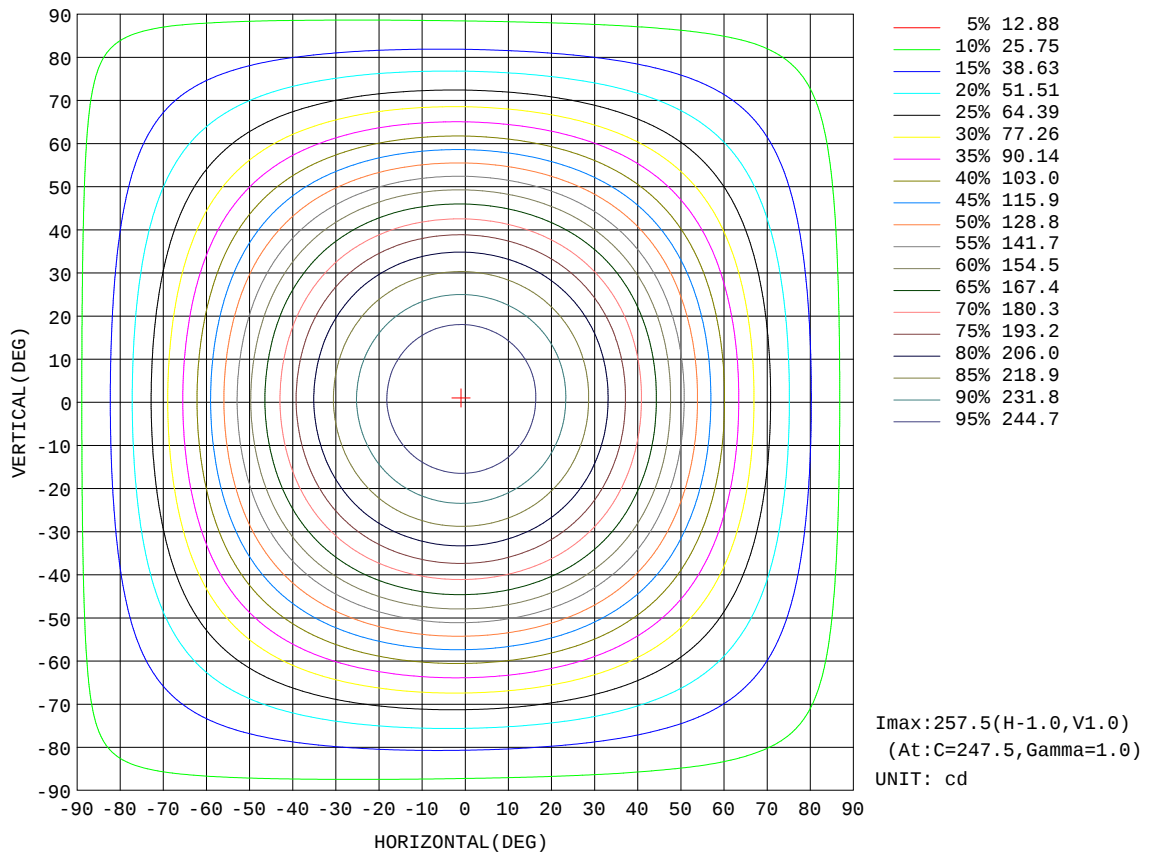
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.292
Humidity:65.0%
Test Distance:1.177m [K=1.0000]
Remarks:

Checker:

Assessor: 崔全

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.0787A P:9.080W PF:0.9605 Freq:50.00Hz Lamp Flux:796.286x1 lm		
NAME: BR30-10-930-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-05-19

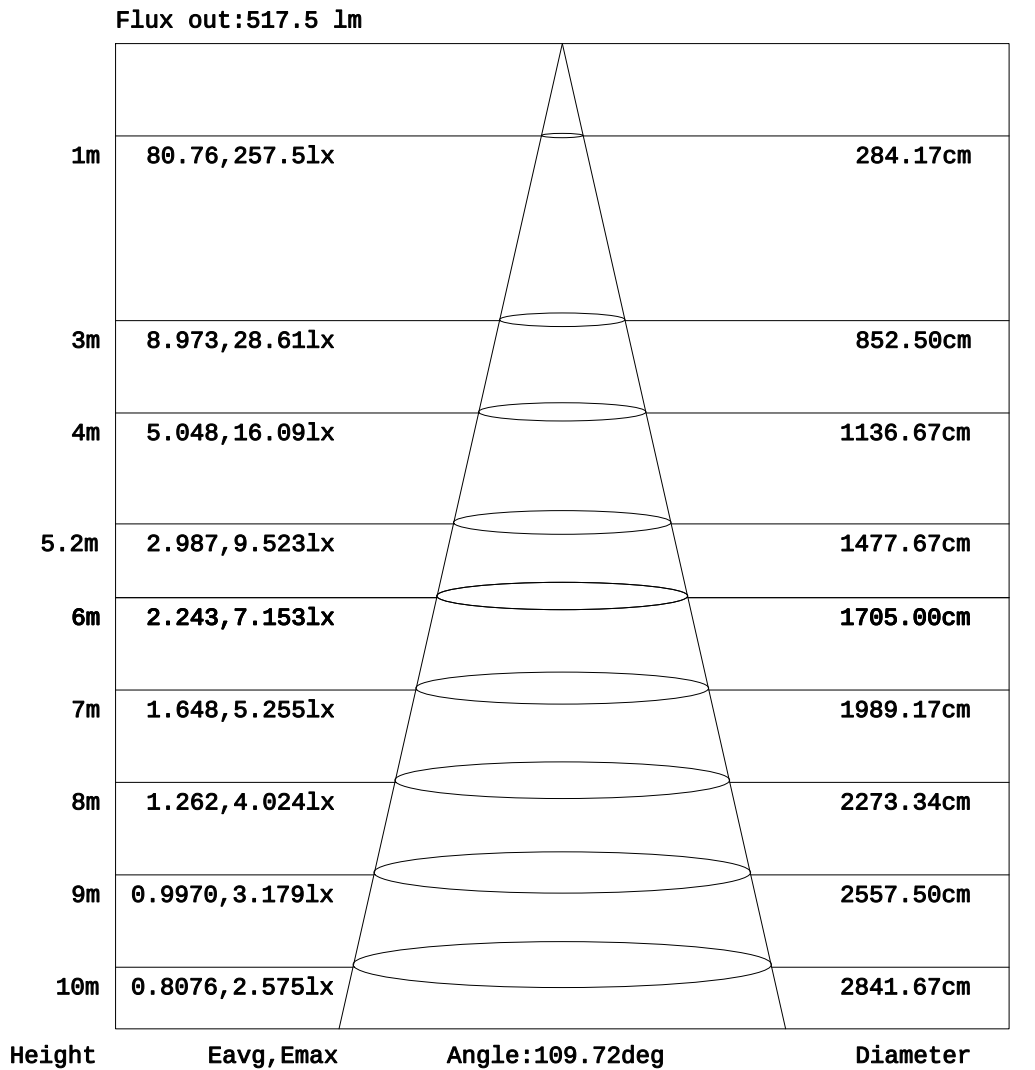
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.292
Humidity: 65.0%
Test Distance: 1.177m [K=1.0000]
Remarks:

Checker:

Assessor: 崔全

AAI Figure

Test:U:120.1V I:0.0787A P:9.080W PF:0.9605 Freq:50.00Hz Lamp Flux:796.286x1 lm		
NAME: BR30-10-930-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



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:25.3DEG
Operators:
Test Date:2017-05-19

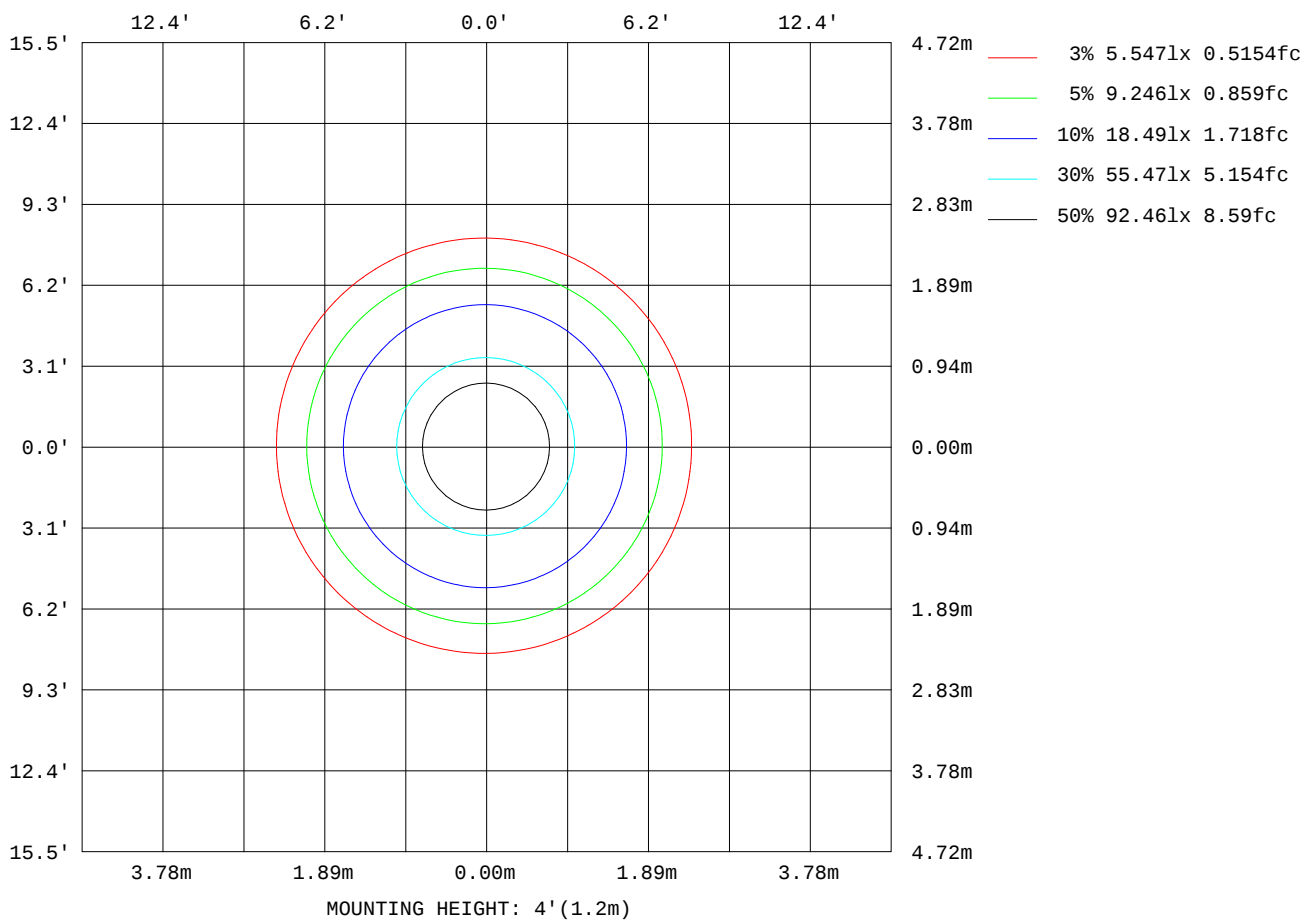
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.292
Humidity:65.0%
Test Distance:1.177m [K=1.0000]
Remarks:

Checker:

Assessor: 崔全

ISOLUX DIAGRAM

Test:U:120.1V I:0.0787A P:9.080W PF:0.9605 Freq:50.00Hz Lamp Flux:796.286x1 lm		
NAME: BR30-10-930-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-05-19

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.292
Humidity: 65.0%
Test Distance: 1.177m [K=1.0000]
Remarks:

Checker:

Assessor: 崔全

LED Avg.L Report

Test:U:120.1V I:0.0787A P:9.080W PF:0.9605 Freq:50.00Hz Lamp Flux:796.286x1 lm		
NAME: BR30-10-930-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	8255
L_0~180(75)av	8386
L_0~180(85)av	14015
L_90~270(65)av	8253
L_90~270(75)av	8387
L_90~270(85)av	13985
L_45(65)av	8249
L_45(75)av	8386
L_45(85)av	13996

Standard: GB/T 29293-2012

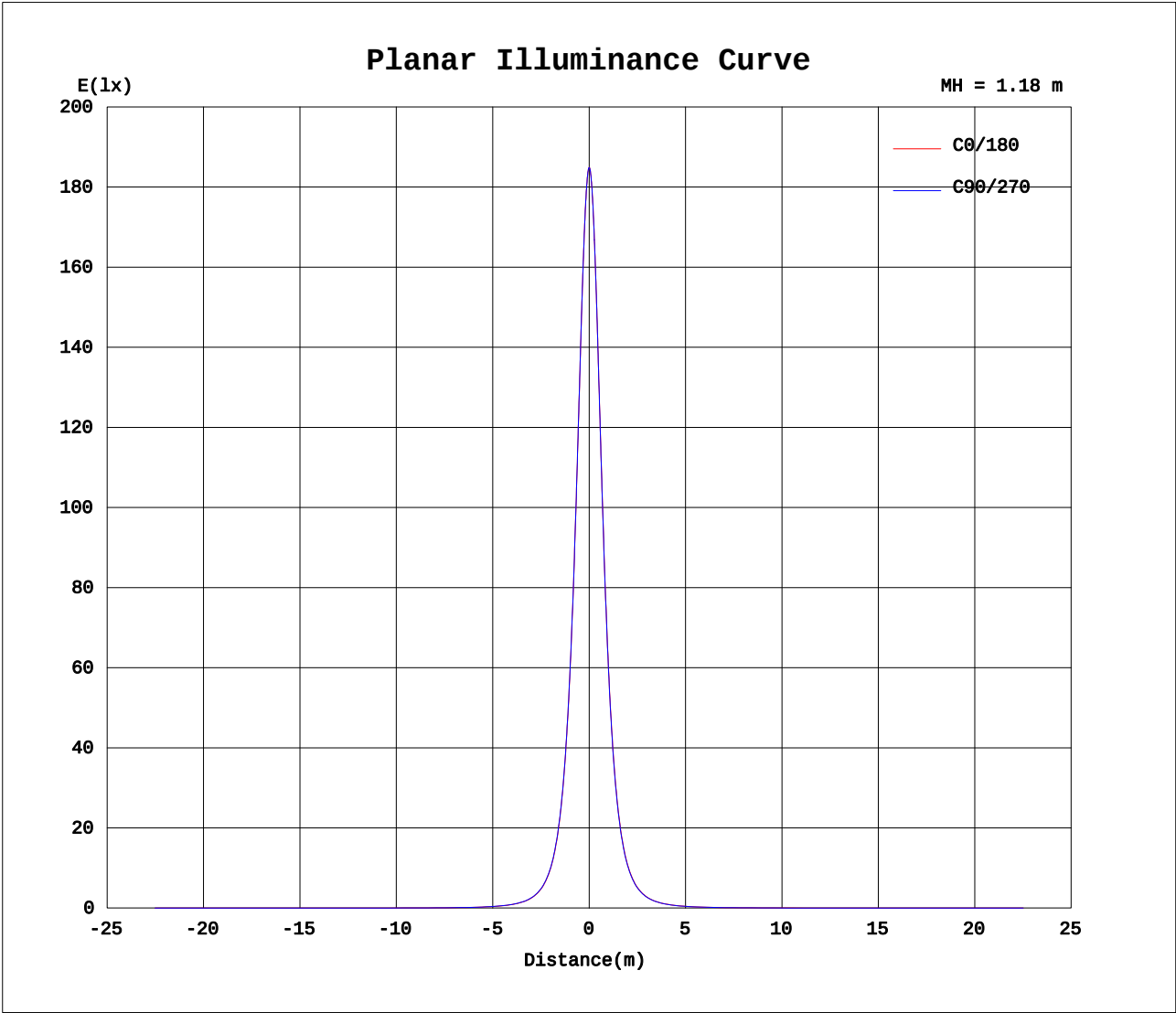
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-05-19

Checker:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.292
Humidity:65.0%
Test Distance:1.177m [K=1.0000]
Remarks:

Assessor: 崔全

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-05-19

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.292
Humidity:65.0%
Test Distance:1.177m [K=1.0000]
Remarks:

Checker:

Assessor: 崔全

浙江生辉照明有限公司测试中心

测试报告

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.0787A P:9.080W PF:0.9605 Freq:50.00Hz Lamp Flux:796.286x1 lm																	
NAME: BR30-10-930-DIM									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: RAB Lighting Inc									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C (DEG) γ (DEG)	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	257	257	258	257	257	257	257	257	257	257	258	257	257	257	257	257			
5	256	256	256	256	256	256	256	257	257	257	257	257	257	257	256	256			
10	252	252	252	252	253	253	253	254	254	254	254	254	254	254	253	253			
15	247	246	246	246	247	247	248	248	249	249	249	249	249	249	248	248	247		
20	238	238	238	238	239	239	240	241	242	242	242	242	241	241	240	239			
25	228	227	227	228	228	229	230	231	232	233	233	232	232	231	230	229			
30	215	215	214	215	216	217	218	219	220	221	221	221	220	218	217	216			
35	200	200	200	200	201	202	203	205	206	207	207	206	205	204	203	202			
40	183	183	183	183	184	185	187	189	191	191	191	190	189	188	186	185			
45	165	164	164	165	166	167	169	171	173	173	173	172	171	169	168	166			
50	145	144	144	145	146	148	150	152	153	154	154	153	151	150	148	146			
55	124	123	124	125	126	127	129	131	133	133	133	132	131	129	127	126			
60	103	103	103	104	105	107	109	110	112	112	112	111	110	108	107	105			
65	84.2	83.7	84.0	84.9	86.0	87.4	89.0	90.6	92.0	92.3	92.2	91.4	90.2	88.6	87.1	85.7			
70	67.0	66.5	66.8	67.6	68.5	69.7	71.2	72.5	73.7	74.0	73.8	73.2	72.2	70.8	69.4	68.2			
75	51.9	51.5	51.7	52.4	53.3	54.3	55.5	56.7	57.7	58.0	57.8	57.3	56.4	55.3	54.2	53.1			
80	39.2	38.8	39.0	39.5	40.3	41.2	42.2	43.1	44.1	44.3	44.2	43.8	43.0	42.0	41.1	40.2			
85	28.9	28.6	28.7	29.1	29.7	30.5	31.3	32.0	32.8	33.0	32.9	32.5	31.9	31.2	30.4	29.7			
90	21.3	21.1	21.1	21.4	21.8	22.3	22.8	23.5	24.1	24.2	24.1	23.8	23.3	22.8	22.3	21.8			
95	16.0	15.8	15.9	16.0	16.3	16.7	17.1	17.5	17.9	17.9	17.8	17.7	17.3	17.0	16.6	16.4			
100	12.6	12.5	12.5	12.6	12.8	13.1	13.3	13.6	13.8	13.9	13.8	13.7	13.5	13.3	13.0	12.9			
105	10.1	10.0	10.0	10.1	10.3	10.5	10.7	10.9	11.1	11.1	11.1	11.0	10.8	10.7	10.5	10.3			
110	8.16	8.06	8.06	8.14	8.25	8.42	8.62	8.81	8.93	8.94	8.91	8.85	8.73	8.58	8.45	8.32			
115	6.55	6.47	6.46	6.52	6.62	6.75	6.92	7.08	7.18	7.18	7.15	7.11	7.02	6.89	6.78	6.68			
120	5.23	5.15	5.15	5.20	5.27	5.38	5.53	5.67	5.74	5.75	5.72	5.69	5.62	5.51	5.42	5.34			
125	4.13	4.07	4.07	4.10	4.16	4.25	4.38	4.49	4.57	4.57	4.55	4.53	4.47	4.38	4.31	4.23			
130	3.23	3.18	3.17	3.19	3.24	3.33	3.44	3.54	3.61	3.61	3.59	3.58	3.53	3.46	3.39	3.32			
135	2.49	2.45	2.44	2.46	2.50	2.57	2.67	2.75	2.82	2.82	2.80	2.79	2.76	2.70	2.63	2.57			
140	1.90	1.86	1.85	1.87	1.90	1.97	2.05	2.13	2.17	2.18	2.16	2.15	2.13	2.07	2.01	1.96			
145	1.41	1.37	1.37	1.39	1.41	1.47	1.55	1.61	1.64	1.65	1.64	1.63	1.62	1.57	1.52	1.46			
150	1.03	0.99	0.99	1.00	1.02	1.07	1.14	1.20	1.22	1.23	1.22	1.22	1.21	1.17	1.12	1.07			
155	0.74	0.70	0.70	0.71	0.72	0.77	0.83	0.88	0.90	0.91	0.90	0.90	0.90	0.87	0.83	0.78			
160	0.53	0.49	0.49	0.50	0.51	0.56	0.61	0.65	0.67	0.67	0.67	0.67	0.67	0.66	0.62	0.57			
165	0.39	0.35	0.35	0.37	0.37	0.42	0.48	0.51	0.52	0.52	0.52	0.52	0.53	0.51	0.48	0.44			
170	0.28	0.24	0.25	0.27	0.28	0.31	0.37	0.40	0.40	0.40	0.42	0.42	0.43	0.42	0.37	0.35			
175	0.10	0.08	0.08	0.09	0.12	0.13	0.17	0.19	0.21	0.21	0.22	0.26	0.20	0.19	0.18	0.15			
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			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-05-19

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.292
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Assessor: 崔全