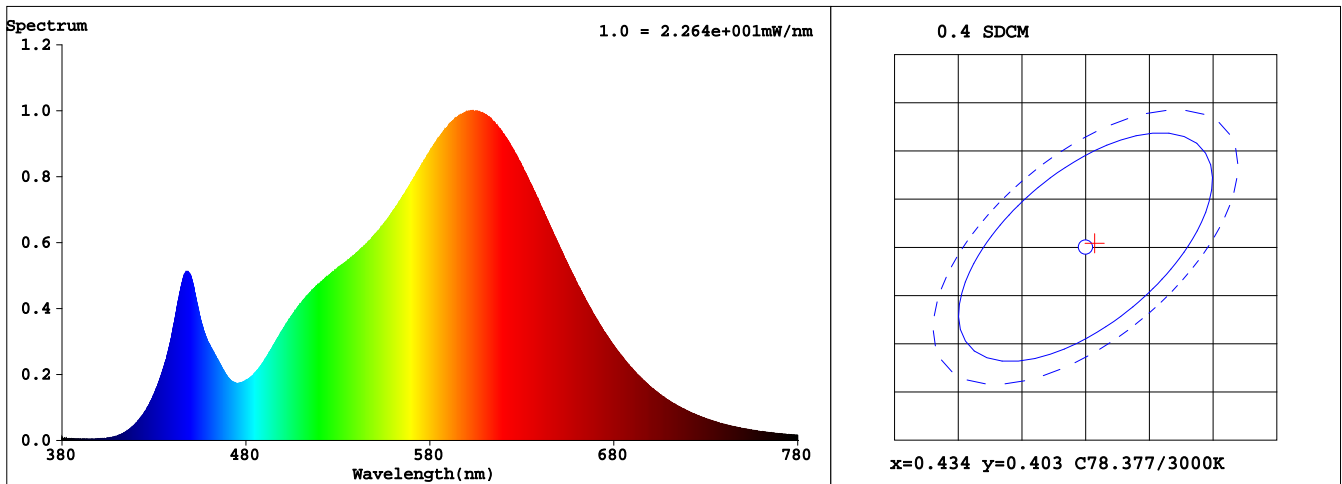


Sample	:	Date	: 2018-08-29 08:47:53
Specification	:	Standardtus	:
Sample No.	: BR40-13-830-DIM	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: RAB Lighting Inc	Test by	:
Assessor	: cuiquan		
Remark	:		

### Test Condition

Temperature	: 24.4Deg	RH	: 30.1%
WL Range	: 380nm-780nm	IP	: 53023 (81%)
Test Mode	: Fast Test	T	: 146 ms
Sensitivity	: High		

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4346$   $y = 0.4036$  /  $u' = 0.2493$   $v' = 0.5208$  ( $duv=1.34e-04$ )

CCT= 3036K Prcp WL: Ld=582.6nm Purity=51.6%

Peak WL: Lp=604nm FWHM: =132.9nm Ratio:R=22.7% G=74.9% B=2.5%

Render Index: Ra = 82.9 TM30:Rf=82 Rg=96

R1 =81 R2 =90 R3 =97 R4 =82 R5 =81 R6 =88 R7 =84

R8 =60 R9 =8 R10=77 R11=81 R12=73 R13=83 R14=99 R15=74

LEVEL:OUT WHITE:ANSI\_3000K

### Photometric & Radiometric Parameters

Flux = 1122.8 lm Eff. : 94.51 lm/W Fe = 3.4335 W

Flux of emitted photons( $\mu\text{mol/s}$ ):16.646 Fluo. and blue light ratio:8.892 Fluorescent eff.:251.3

A: 3.4335e+003mW

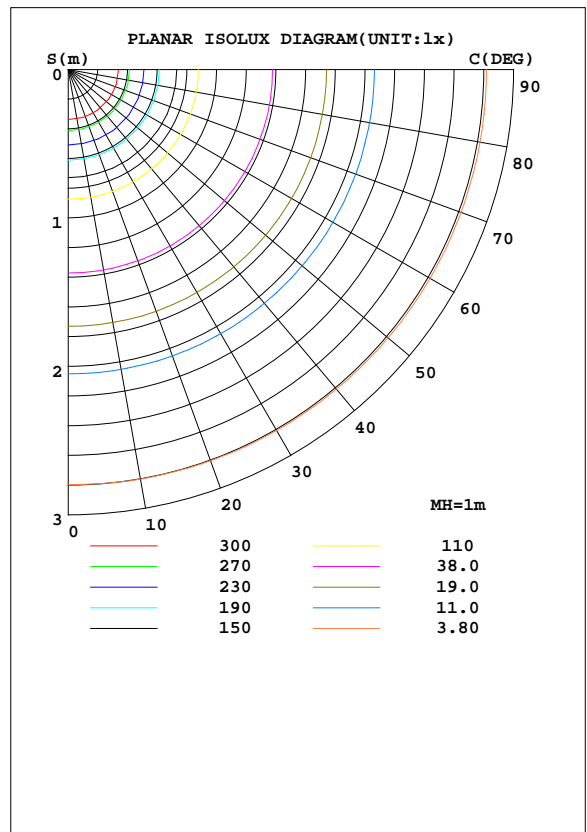
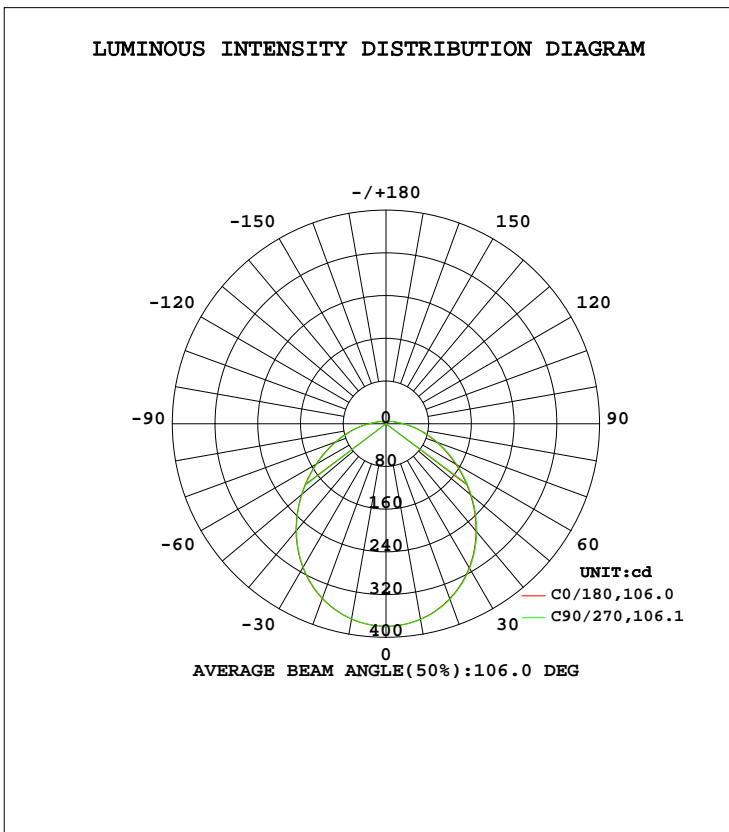
### Electrical parameters

V = 120.06 V I = 0.1023 A P = 11.88 W PF = 0.9673

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.99V I:0.1053A P:12.170W PF:0.9632 Freq:0Hz Lamp Flux:1134.77x1 lm		
NAME: BR40-13-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.24 lm/W			
MODEL		I <sub>max</sub> (cd)	379.9	S/MH(C0/180)	1.22
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1134.8	η UP, DN(C0-180)	2.9,47.5
NOMINAL FLUX(lm)	1134.77	CIE CLASS	DIRECT	η UP, DN(C180-360)	2.8,46.8
LAMPS INSIDE	1	η up(%)	5.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	94.3	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-28

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:1.177m [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	371.6	372.2	372.2	372.2	371.4	370.9	370.9	371.7	0- 10	35.85	35.85	3.16,3.16
20	348.8	349.8	349.9	349.7	348.5	347.6	347.6	348.5	10- 20	102.1	138.0	12.2,12.2
30	311.5	312.9	313.1	312.7	311.3	310.0	310.0	311.0	20- 30	152.8	290.8	25.6,25.6
40	262.4	264.1	264.4	263.8	262.0	260.7	260.8	261.7	30- 40	180.2	471.0	41.5,41.5
50	206.6	208.4	208.9	208.3	206.1	204.8	204.7	205.7	40- 50	181.3	652.3	57.5,57.5
60	150.9	152.9	153.4	152.9	150.8	149.3	148.9	149.7	50- 60	159.8	812.1	71.6,71.6
70	100.9	102.7	103.5	103.1	101.5	99.82	99.06	99.76	60- 70	124.3	936.5	82.5,82.5
80	60.38	61.88	62.43	62.01	60.79	59.44	58.75	59.22	70- 80	84.50	1021	90,90
90	32.43	33.31	33.52	33.34	32.48	31.66	31.28	31.67	80- 90	49.38	1070	94.3,94.3
100	18.87	19.12	19.04	18.94	18.61	18.28	18.17	18.45	90-100	26.78	1097	96.7,96.7
110	12.62	12.79	12.73	12.68	12.47	12.25	12.17	12.32	100-110	16.27	1113	98.1,98.1
120	8.258	8.397	8.392	8.419	8.266	8.075	7.968	8.018	110-120	10.20	1124	99,99
130	5.141	5.256	5.284	5.364	5.257	5.100	4.982	4.953	120-130	5.959	1130	99.5,99.5
140	2.933	3.030	3.100	3.202	3.109	2.983	2.876	2.782	130-140	3.134	1133	99.8,99.8
150	1.422	1.506	1.609	1.729	1.659	1.572	1.469	1.334	140-150	1.411	1134	99.9,99.9
160	0.5677	0.6426	0.7786	0.8997	0.8506	0.8028	0.7195	0.5971	150-160	0.5118	1135	100,100
170	0.1650	0.2505	0.3712	0.4622	0.4315	0.3918	0.3466	0.2514	160-170	0.1552	1135	100,100
180	0.0005	0.0004	0.0006	0	0.0003	0.0004	0.0004	0.0005	170-180	0.0201	1135	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 563.07 lm

%lum = 49.6%  
%lamp = 49.6%

Conical surface Flux(120deg): 812.11 lm

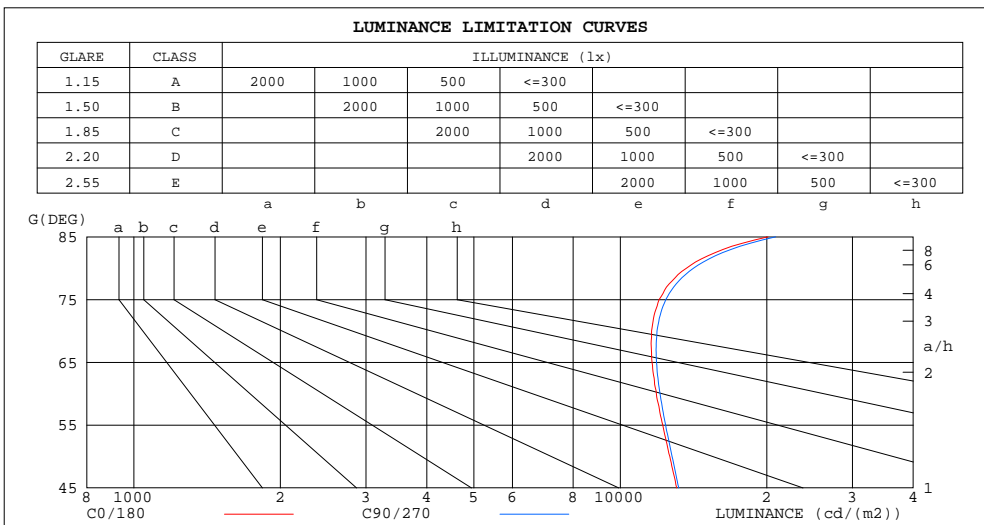
%lum = 71.6%  
%lamp = 71.6%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-08-28

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:1.177m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.99V I:0.1053A P:12.170W PF:0.9632 Freq:0Hz Lamp Flux:1134.77x1 lm		
NAME: BR40-13-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	20115	20858
80	13672	14134
75	12017	12404
70	11593	11900
65	11621	11868
60	11863	12065
55	12222	12388
50	12635	12776
45	13058	13183

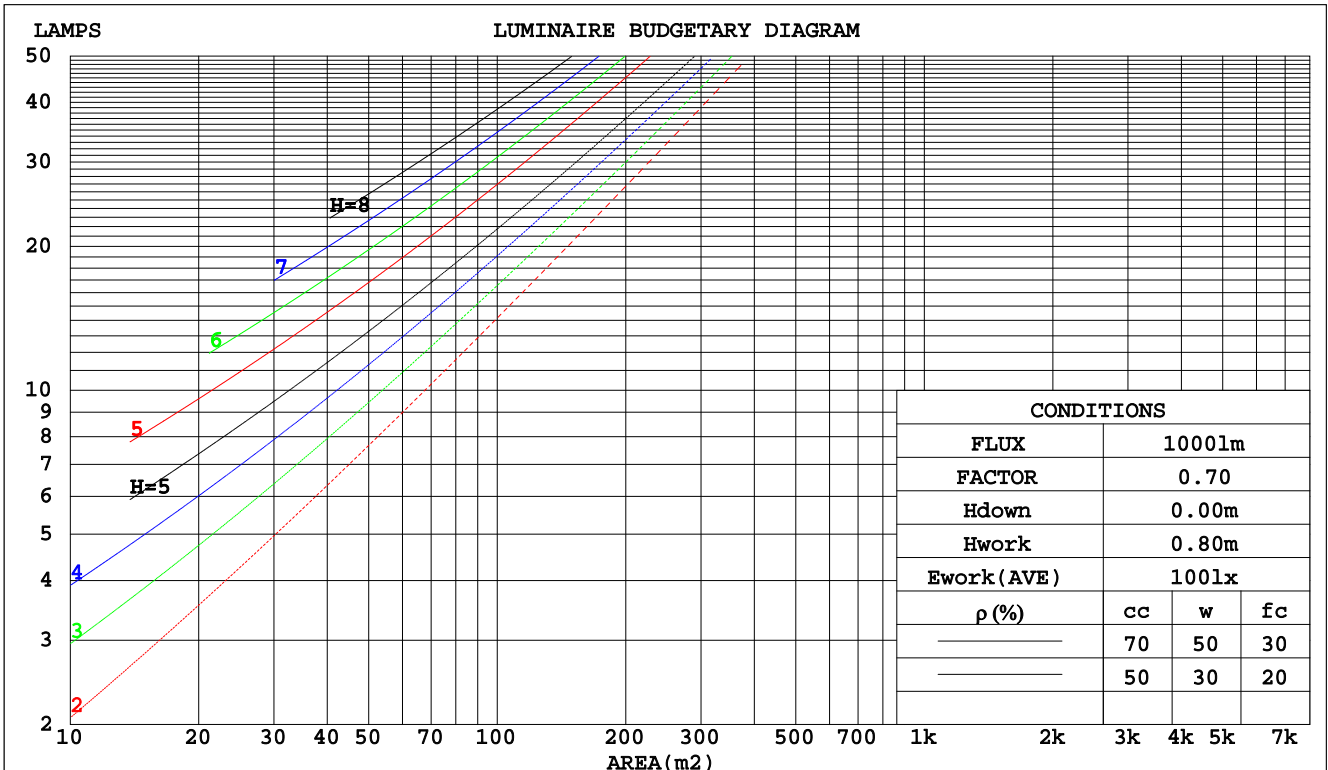
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-08-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 1.177m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.99V I:0.1053A P:12.170W PF:0.9632 Freq:0Hz Lamp Flux:1134.77x1 lm		
NAME: BR40-13-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

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	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio      Coefficients of Utilization(CU)															
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	.86	.88	.85	.83	.84	.81	.79	.77
2.0	.88	.81	.75	.86	.79	.73	.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	.40
6.0	.55	.46	.40	.54	.45	.39	.51	.44	.38	.49	.43	.38	.47	.41	.37	.35
7.0	.50	.41	.35	.49	.41	.35	.47	.39	.34	.45	.38	.33	.43	.37	.33	.31
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.30	.41	.35	.30	.40	.34	.29	.27
9.0	.42	.34	.28	.41	.33	.28	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.35	.29	.25	.34	.28	.24	.22



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-08-28

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 1.177m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:119.99V I:0.1053A P:12.170W PF:0.9632 Freq:0Hz Lamp Flux:1134.77x1 lm		
NAME: BR40-13-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

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	.335	.190	.060	.326	.186	.059	.309	.177	.057	.294	.170	.054	.280	.162	.052	
2.0	.302	.166	.051	.295	.162	.050	.280	.156	.048	.266	.149	.047	.254	.143	.045	
3.0	.275	.146	.044	.268	.144	.043	.255	.138	.042	.243	.133	.041	.231	.128	.040	
4.0	.252	.131	.038	.245	.128	.038	.233	.124	.037	.223	.119	.036	.212	.115	.035	
5.0	.231	.118	.034	.226	.116	.034	.215	.112	.033	.205	.108	.032	.196	.105	.031	
6.0	.214	.107	.031	.209	.105	.030	.199	.102	.030	.190	.099	.029	.182	.096	.028	
7.0	.198	.098	.028	.194	.097	.028	.185	.094	.027	.177	.091	.026	.170	.088	.026	
8.0	.185	.090	.025	.181	.089	.025	.173	.086	.025	.166	.084	.024	.159	.082	.024	
9.0	.173	.084	.023	.169	.083	.023	.162	.080	.023	.156	.078	.022	.149	.076	.022	
10.0	.163	.078	.022	.159	.077	.021	.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	.234	.234	.234	.200	.200	.200	.136	.136	.136	.078	.078	.078	.025	.025	.025	
1.0	.226	.200	.176	.193	.171	.151	.132	.118	.105	.076	.068	.061	.024	.022	.020	
2.0	.218	.176	.141	.186	.151	.122	.128	.105	.085	.074	.061	.050	.024	.020	.016	
3.0	.210	.158	.118	.180	.137	.102	.123	.095	.072	.071	.055	.042	.023	.018	.014	
4.0	.202	.145	.102	.173	.126	.089	.119	.088	.063	.069	.051	.037	.022	.017	.012	
5.0	.194	.135	.092	.167	.117	.080	.115	.082	.056	.067	.048	.033	.021	.016	.011	
6.0	.187	.127	.084	.161	.110	.073	.111	.077	.052	.064	.045	.031	.021	.015	.010	
7.0	.180	.120	.078	.155	.104	.068	.107	.073	.048	.062	.043	.029	.020	.014	.009	
8.0	.173	.114	.074	.149	.099	.064	.103	.070	.046	.060	.041	.027	.019	.013	.009	
9.0	.167	.109	.070	.144	.095	.061	.100	.067	.043	.058	.039	.026	.019	.013	.009	
10.0	.162	.105	.068	.139	.091	.059	.097	.064	.042	.056	.038	.025	.018	.012	.008	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-28

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:1.177m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.99V I:0.1053A P:12.170W PF:0.9632 Freq:0Hz Lamp Flux:1134.77x1 lm										
NAME: BR40-13-830-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	20.6	22.1	21.0	22.4	22.7	20.7	22.1	21.0	22.4	22.8
3H	22.2	23.6	22.6	23.9	24.3	22.3	23.7	22.7	24.0	24.4
4H	23.0	24.3	23.4	24.6	25.0	23.1	24.4	23.5	24.8	25.1
6H	23.8	25.0	24.2	25.4	25.8	23.9	25.1	24.3	25.5	25.9
8H	24.2	25.3	24.6	25.7	26.1	24.3	25.5	24.7	25.9	26.3
12H	24.6	25.7	25.0	26.1	26.5	24.8	25.9	25.2	26.3	26.7
4H 2H	21.2	22.5	21.6	22.9	23.2	21.3	22.6	21.7	22.9	23.3
3H	23.1	24.2	23.5	24.6	25.0	23.1	24.3	23.6	24.7	25.1
4H	24.0	25.0	24.5	25.5	25.9	24.1	25.1	24.6	25.5	26.0
6H	24.9	25.9	25.4	26.3	26.8	25.1	26.0	25.5	26.4	26.9
8H	25.4	26.3	25.9	26.8	27.3	25.6	26.4	26.1	26.9	27.4
12H	26.0	26.8	26.5	27.2	27.8	26.1	26.9	26.6	27.4	27.9
8H 4H	24.4	25.2	24.9	25.7	26.2	24.5	25.3	25.0	25.8	26.3
6H	25.6	26.3	26.1	26.8	27.3	25.7	26.4	26.2	26.9	27.4
8H	26.2	26.9	26.8	27.4	27.9	26.3	27.0	26.9	27.5	28.1
12H	26.9	27.5	27.5	28.0	28.6	27.1	27.6	27.6	28.2	28.8
12H 4H	24.4	25.2	25.0	25.7	26.2	24.5	25.3	25.0	25.8	26.3
6H	25.7	26.4	26.3	26.9	27.5	25.8	26.4	26.4	27.0	27.5
8H	26.5	27.0	27.0	27.6	28.2	26.6	27.1	27.1	27.7	28.3
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 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 1135 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.4)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-28

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:1.177m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.99V I:0.1053A P:12.170W PF:0.9632 Freq:0Hz Lamp Flux:1134.77x1 lm		
NAME: BR40-13-830-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	56	44	37	55	44	37	53	43	37	30
0.80	65	53	46	64	53	46	62	52	45	38
1.00	73	62	54	72	61	54	69	62	53	46
1.25	80	69	62	78	68	61	75	66	60	52
1.50	85	75	67	83	73	66	80	71	65	57
2.00	92	83	76	90	81	75	85	78	73	64
2.50	96	87	81	93	86	79	89	82	77	68
3.00	99	91	85	97	90	84	92	86	81	71
4.00	103	97	92	100	95	90	95	91	87	76
5.00	106	100	96	103	98	94	97	93	90	79
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

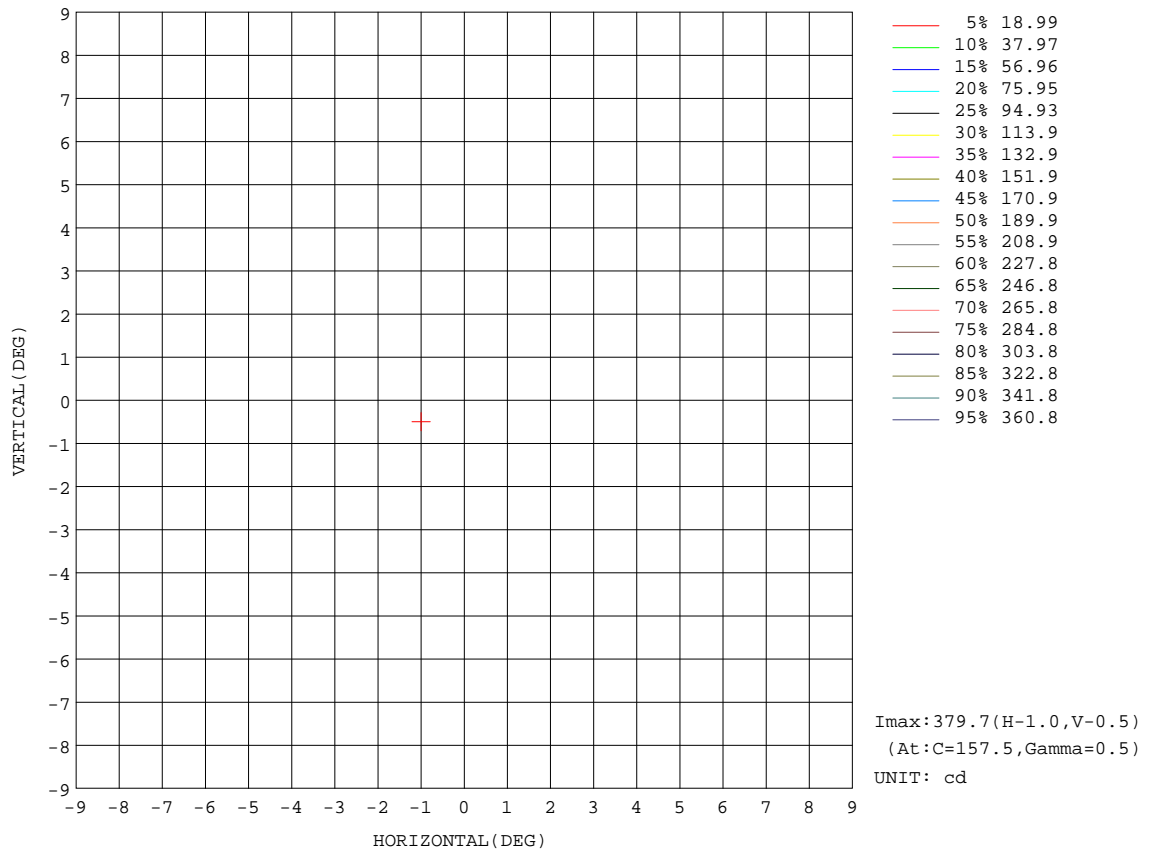
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:1.177m [K=1.0000]  
 Remarks:



ISOCANDELA DIAGRAM

Test:U:119.99V I:0.1053A P:12.170W PF:0.9632 Freq:0Hz Lamp Flux:1134.77x1 lm		
NAME: BR40-13-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



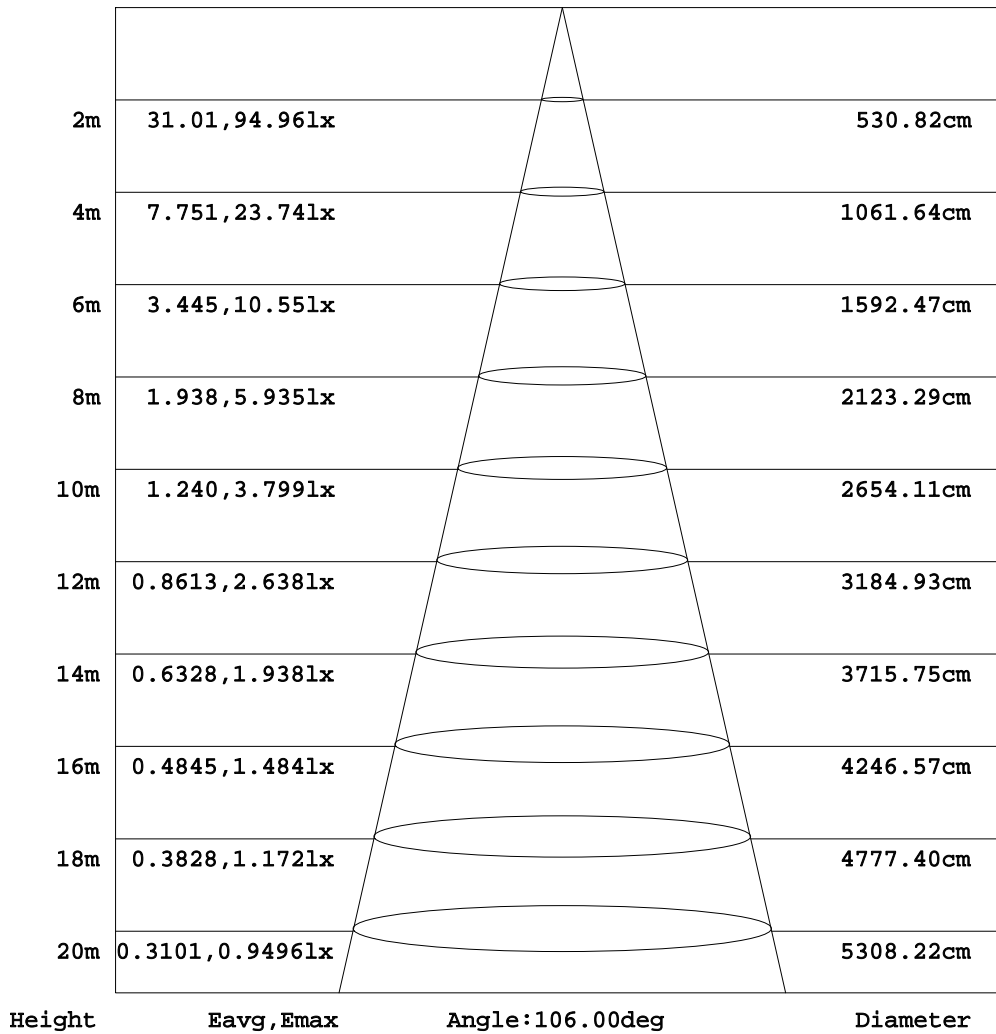
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-08-28

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 1.177m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:119.99V I:0.1053A P:12.170W PF:0.9632 Freq:0Hz Lamp Flux:1134.77x1 lm		
NAME: BR40-13-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

Flux out:711.6 lm



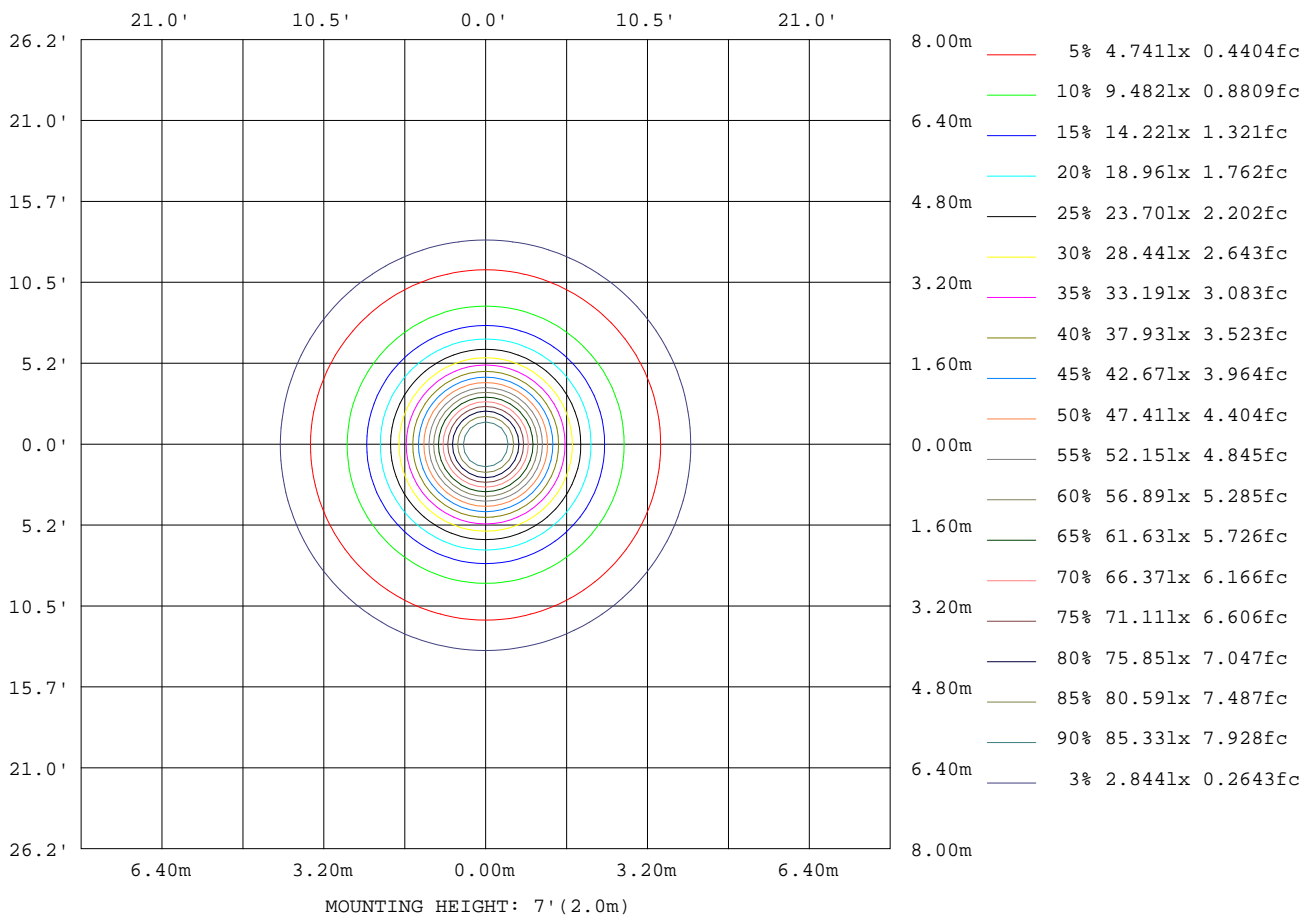
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-08-28

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 1.177m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:119.99V I:0.1053A P:12.170W PF:0.9632 Freq:0Hz Lamp Flux:1134.77x1 lm		
NAME: BR40-13-830-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: 2018-08-28

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 1.177m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:119.99V I:0.1053A P:12.170W PF:0.9632 Freq:0Hz Lamp Flux:1134.77x1 lm		
NAME: BR40-13-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

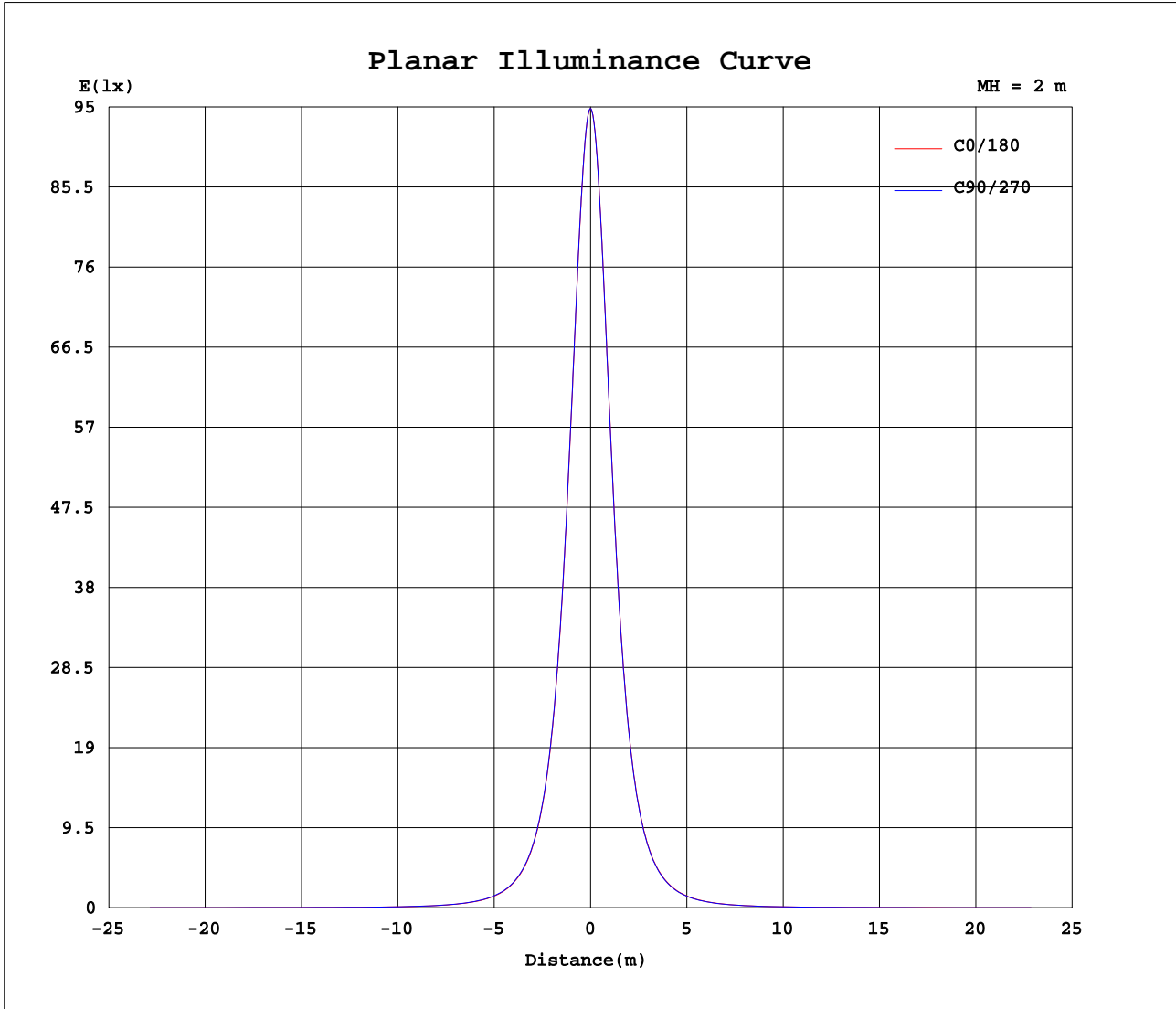
AvgL	cd/m2
L_0~180(65)av	11642
L_0~180(75)av	12050
L_0~180(85)av	20128
L_90~270(65)av	11661
L_90~270(75)av	12084
L_90~270(85)av	20135
L_45(65)av	11666
L_45(75)av	12085
L_45(85)av	20164

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-28

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:1.177m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-08-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 1.177m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.99V I:0.1053A P:12.170W PF:0.9632 Freq:0Hz Lamp Flux:1134.77x1 lm		
NAME: BR40-13-830-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	379	379	379	379	379	380	380	380	379	379	379	379	379	380	380	380			
5	377	377	378	378	378	378	378	378	377	377	377	377	377	377	378	378			
10	372	372	372	372	372	372	372	372	371	371	371	371	371	371	372	372			
15	362	363	363	363	363	363	363	363	362	361	361	361	361	361	362	362			
20	349	349	350	350	350	350	350	349	348	348	348	347	348	348	348	349			
25	332	333	333	333	333	333	333	332	332	331	330	330	330	331	331	332			
30	312	312	313	313	313	313	313	312	311	310	310	310	310	310	311	312			
35	288	289	290	290	290	290	289	289	288	287	287	286	286	287	288	288			
40	262	263	264	264	264	264	264	263	262	261	261	261	261	261	262	262			
45	235	236	237	237	237	237	236	236	235	234	234	233	233	234	234	235			
50	207	208	208	209	209	209	208	207	206	205	205	205	205	205	206	206			
55	178	179	180	181	181	181	180	179	179	178	177	177	177	177	177	178			
60	151	152	153	153	153	153	153	152	151	150	149	149	149	149	150	150			
65	125	126	127	127	128	128	127	126	125	125	124	123	123	123	124	125			
70	101	102	103	103	104	104	103	102	101	101	99.8	99.3	99.1	99.2	99.8	100			
75	79.1	80.1	80.9	81.4	81.7	81.7	81.2	80.4	79.5	78.7	78.0	77.6	77.4	77.6	78.0	78.7			
80	60.4	61.2	61.9	62.3	62.4	62.4	62.0	61.4	60.8	60.1	59.4	59.0	58.8	58.9	59.2	59.9			
85	44.6	45.2	45.8	46.1	46.2	46.2	45.9	45.4	44.6	44.0	43.6	43.2	43.0	43.2	43.5	44.1			
90	32.4	32.9	33.3	33.5	33.5	33.5	33.3	32.9	32.5	32.0	31.7	31.3	31.3	31.4	31.7	32.1			
95	24.4	24.3	24.6	24.7	24.7	24.7	24.6	24.4	24.0	23.6	23.4	23.2	23.2	23.3	23.5	23.8			
100	18.9	19.1	19.1	19.1	19.0	19.0	18.9	18.8	18.6	18.4	18.3	18.2	18.2	18.3	18.5	18.7			
105	15.4	15.5	15.6	15.6	15.5	15.5	15.4	15.3	15.2	15.1	14.9	14.9	14.9	14.9	15.1	15.3			
110	12.6	12.7	12.8	12.8	12.7	12.7	12.7	12.6	12.5	12.4	12.3	12.2	12.2	12.2	12.3	12.5			
115	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.2	10.1	9.99	9.91	9.89	9.90	9.99	10.1			
120	8.26	8.35	8.40	8.39	8.39	8.43	8.42	8.35	8.27	8.17	8.08	8.00	7.97	7.96	8.02	8.15			
125	6.57	6.66	6.70	6.69	6.71	6.76	6.76	6.71	6.63	6.54	6.45	6.38	6.35	6.32	6.36	6.47			
130	5.14	5.21	5.26	5.26	5.28	5.35	5.36	5.32	5.26	5.17	5.10	5.02	4.98	4.92	4.95	5.05			
135	3.95	4.01	4.05	4.06	4.09	4.16	4.18	4.15	4.08	4.01	3.93	3.87	3.83	3.77	3.76	3.85			
140	2.93	2.99	3.03	3.04	3.10	3.18	3.20	3.17	3.11	3.05	2.98	2.92	2.88	2.81	2.78	2.85			
145	2.10	2.15	2.19	2.21	2.27	2.36	2.38	2.36	2.31	2.26	2.20	2.14	2.09	2.03	1.97	2.02			
150	1.42	1.47	1.51	1.53	1.61	1.70	1.73	1.71	1.66	1.63	1.57	1.52	1.47	1.41	1.33	1.35			
155	0.91	0.96	0.99	1.02	1.11	1.20	1.23	1.22	1.18	1.16	1.11	1.06	1.01	0.96	0.88	0.85			
160	0.57	0.61	0.64	0.70	0.78	0.87	0.90	0.89	0.85	0.84	0.80	0.76	0.72	0.68	0.60	0.54			
165	0.33	0.37	0.41	0.49	0.56	0.64	0.67	0.66	0.63	0.62	0.60	0.56	0.52	0.49	0.43	0.37			
170	0.16	0.20	0.25	0.31	0.37	0.42	0.46	0.46	0.43	0.43	0.39	0.37	0.35	0.32	0.25	0.21			
175	0.03	0.04	0.10	0.16	0.19	0.20	0.20	0.26	0.20	0.20	0.15	0.16	0.17	0.10	0.09	0.08			
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:2018-08-28

γ Range: 0 - 180DEG  
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