

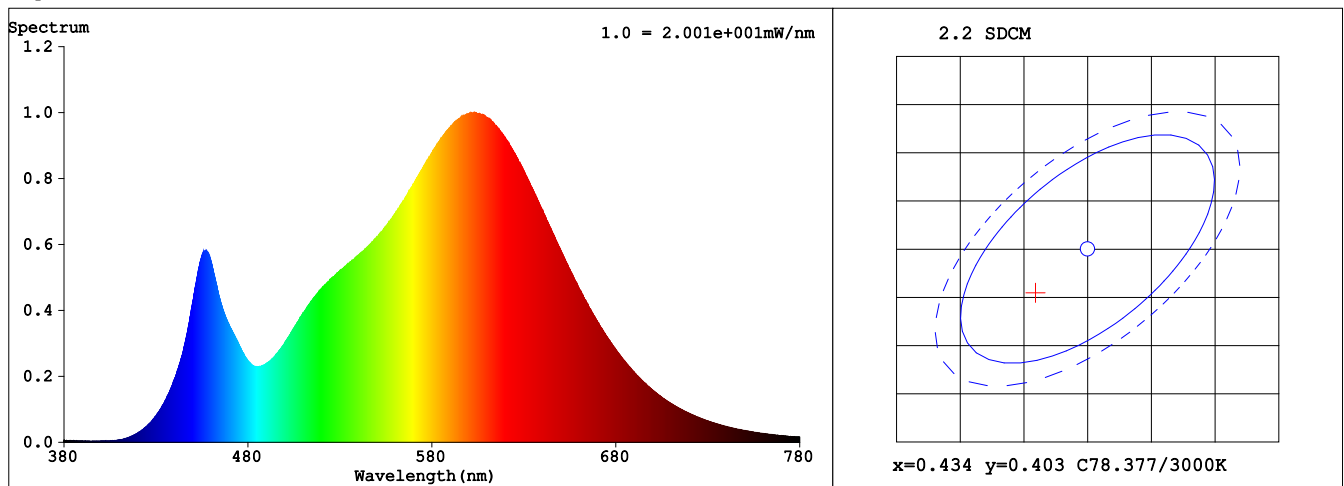
Spectrum Test Report

Sample	:	Date	: 2019-08-28 23:51:17
Specification	:	Sam. Status	:
Sample No.	: BR40-11-830-DIM	Standard	: LM-79-08
Manufacturer	: RAB Lighting Inc	Instrument	: HaasSuite(EVERFINE)
Remark	:	Test by	: huaWenJun (2.0)

Test Condition

Temperature	: 25.6Deg	RH	: 30.1%
WL Range	: 380nm-780nm	IP	: 53269 (81%)
Test Mode	: Fast Test	T	: 186 ms
Sensitivity	: High		

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4298$ $y = 0.3987$ / $u' = 0.2483$ $v' = 0.5182$ ($duv = -1.16e-03$)

CCT= 3080K Prcp WL: Ld=582.9nm Purity=48.6%

Peak WL: Lp=603nm FWHM: =130.9nm Ratio:R=22.6% G=74.6% B=2.9%

Render Index: Ra = 82.9 TM30:Rf=82 Rg=95

R1 =82 R2 =92 R3 =96 R4 =80 R5 =82 R6 =90 R7 =82

R8 =60 R9 =10 R10=82 R11=78 R12=71 R13=85 R14=98 R15=75

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

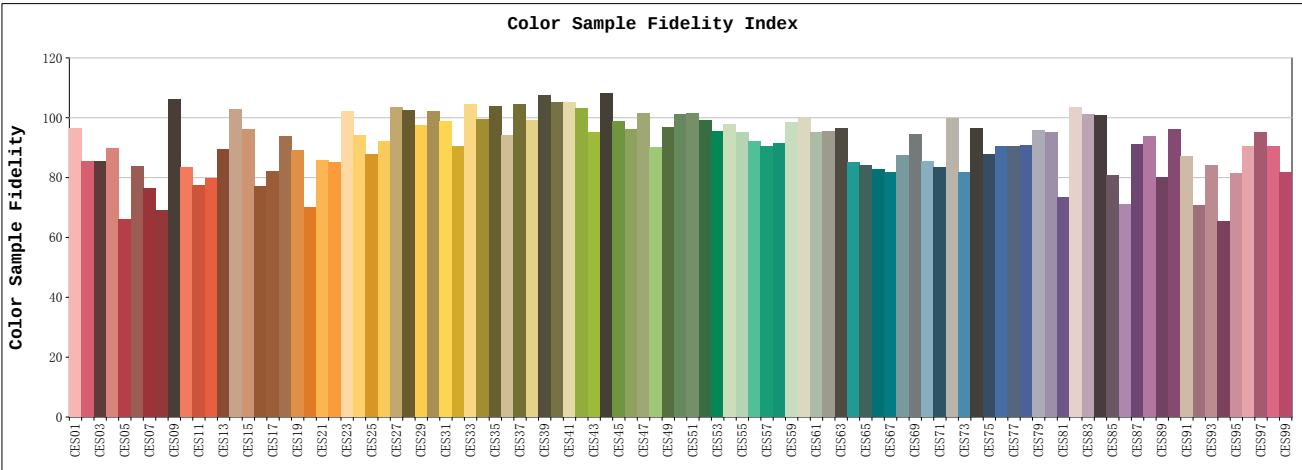
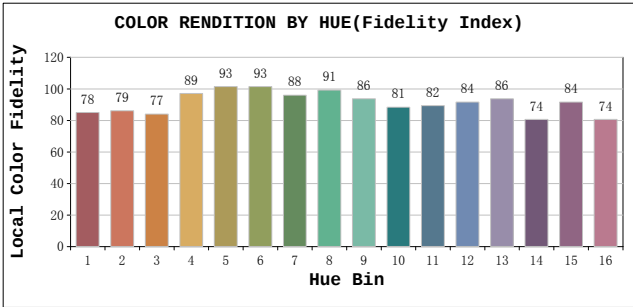
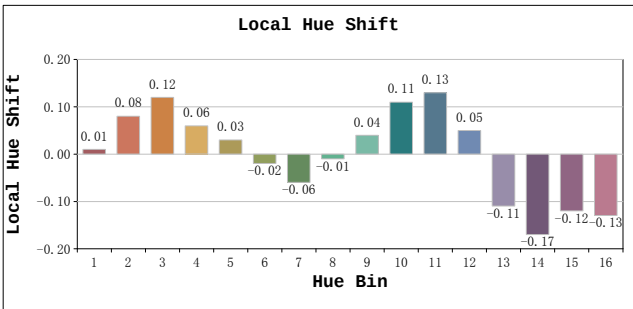
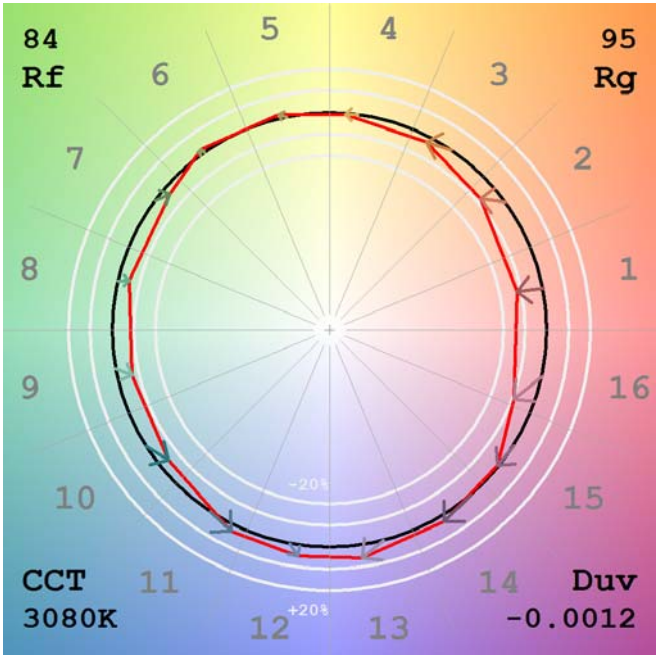
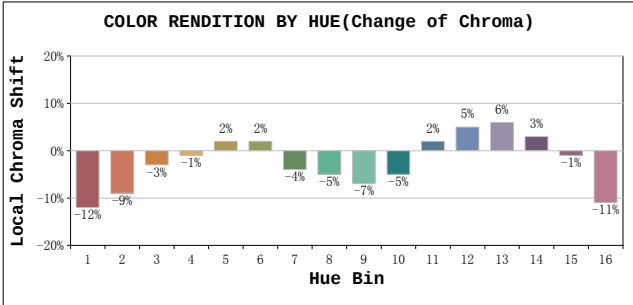
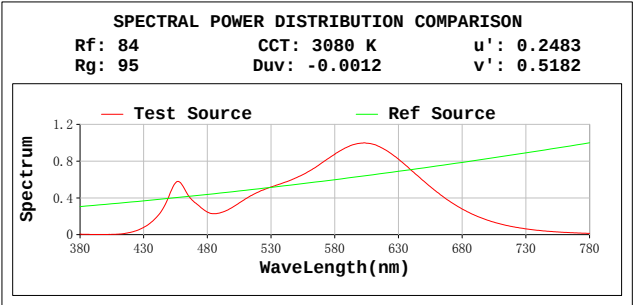
Flux = 990.06 lm Eff. : 100.62 lm/W Fe = 3.0384 W

Flux of emitted photons($\mu\text{mol/s}$):14.708 Fluo. and blue light ratio:7.027 Fluorescent eff.:217.2

Electrical parameters

V = 119.96 V I = 0.1021 A P = 9.840 W PF = 0.8034

TM30

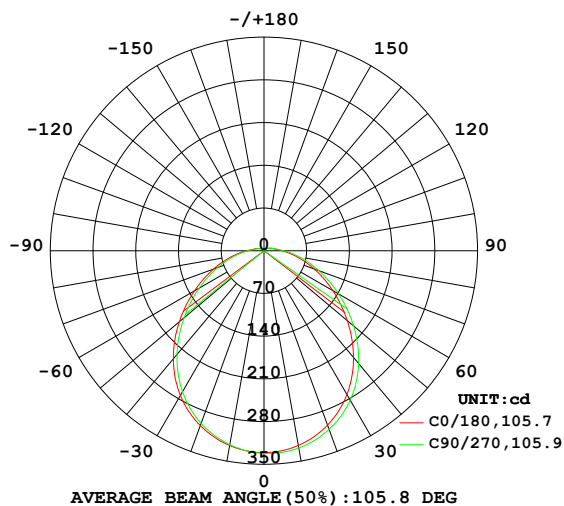


LUMINAIRE PHOTOMETRIC TEST REPORT

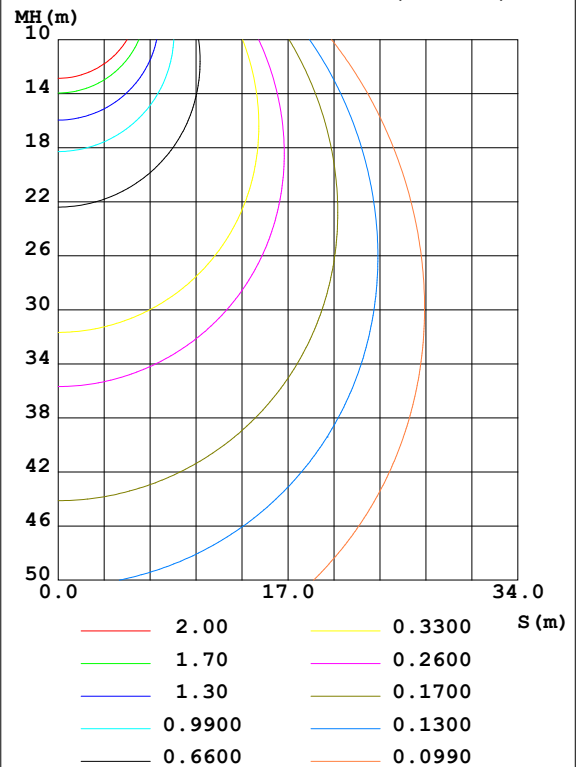
Test:U:120.0V I:0.1047A P:9.880W PF:0.7862 Freq:0Hz Lamp Flux:997.966x1 lm		
NAME: BR40-11-830-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.01 lm/W			
MODEL	/	I _{max} (cd)	332.6	S/MH (C0/180)	1.24
NOMINAL POWER (W)	/	LOR (%)	100.0	S/MH (C90/270)	1.20
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	997.97	η UP, DN (C0-180)	3.2, 48.4
NOMINAL FLUX (lm)	997.966	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.8, 45.6
LAMPS INSIDE	1	η up (%)	6.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	94.0	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: LZJ
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

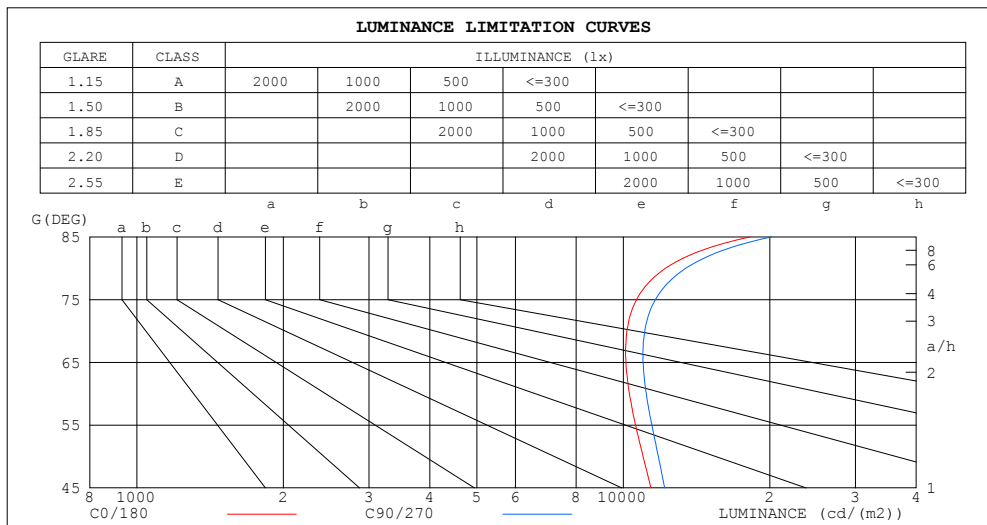
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	329.1	330.5	331.7	331.7	329.2	328.6	329.0	329.8	0- 5	7.911	7.911	0.79,0.79
10	323.8	326.3	328.2	327.7	324.2	322.7	322.7	324.0	5- 10	23.43	31.35	3.14,3.14
15	315.7	318.8	321.5	320.7	316.0	313.6	313.5	315.1	10- 15	38.08	69.43	6.96,6.96
20	304.2	308.3	311.6	310.6	305.0	301.6	301.2	303.0	15- 20	51.32	120.8	12.1,12.1
25	289.7	294.8	298.7	297.3	291.0	286.7	285.6	287.6	20- 25	62.65	183.4	18.4,18.4
30	271.9	278.2	282.6	280.9	273.9	268.6	266.9	269.1	25- 30	71.58	255.0	25.6,25.6
35	251.2	258.3	263.2	261.4	253.8	247.6	245.4	247.8	30- 35	77.71	332.7	33.3,33.3
40	228.2	235.9	241.3	239.1	231.1	224.1	221.7	224.1	35- 40	80.81	413.5	41.4,41.4
45	203.5	211.5	217.1	214.9	206.6	199.3	196.5	199.0	40- 45	80.86	494.4	49.5,49.5
50	178.3	186.4	191.6	189.3	181.2	173.9	171.0	173.4	45- 50	78.10	572.5	57.4,57.4
55	153.5	161.4	165.9	163.6	155.9	149.0	146.2	148.4	50- 55	73.02	645.5	64.7,64.7
60	130.0	137.3	140.8	138.7	131.6	125.2	122.6	124.6	55- 60	66.21	711.7	71.3,71.3
65	108.0	114.6	117.2	115.2	108.8	103.2	100.8	102.7	60- 65	58.29	770.0	77.2,77.2
70	87.86	93.76	95.60	93.61	88.01	83.03	81.03	82.83	65- 70	49.80	819.8	82.1,82.1
75	69.62	74.71	76.08	74.21	69.33	65.07	63.42	65.11	70- 75	41.18	861.0	86.3,86.3
80	53.54	57.82	58.95	57.20	53.00	49.46	48.25	49.78	75- 80	32.86	893.8	89.6,89.6
85	40.16	43.53	44.42	42.87	39.35	36.59	35.79	37.14	80- 85	25.28	919.1	92.1,92.1
90	29.79	32.21	32.74	31.40	28.70	26.78	26.36	27.51	85- 90	18.87	938.0	94,94
95	22.59	24.15	24.39	23.20	21.24	20.02	19.87	20.88	90- 95	13.97	951.9	95.4,95.4
100	18.05	19.00	18.71	17.72	16.50	15.80	15.79	16.67	95-100	10.58	962.5	96.4,96.4
105	14.90	15.60	15.18	14.32	13.44	12.92	12.95	13.73	100-105	8.370	970.9	97.3,97.3
110	12.29	12.86	12.48	11.71	10.98	10.56	10.60	11.30	105-110	6.710	977.6	98,98
115	10.10	10.58	10.21	9.513	8.907	8.565	8.622	9.241	110-115	5.323	982.9	98.5,98.5
120	8.258	8.648	8.288	7.681	7.167	6.894	6.953	7.507	115-120	4.159	987.1	98.9,98.9
125	6.705	7.016	6.676	6.137	5.710	5.497	5.562	6.056	120-125	3.194	990.3	99.2,99.2
130	5.403	5.653	5.329	4.848	4.475	4.299	4.374	4.815	125-130	2.403	992.7	99.5,99.5
135	4.314	4.512	4.198	3.771	3.468	3.327	3.405	3.791	130-135	1.764	994.4	99.6,99.6
140	3.409	3.568	3.262	2.886	2.638	2.529	2.601	2.935	135-140	1.262	995.7	99.8,99.8
145	2.656	2.777	2.473	2.153	1.957	1.879	1.940	2.224	140-145	0.8722	996.6	99.9,99.9
150	2.027	2.114	1.841	1.569	1.414	1.369	1.415	1.636	145-150	0.5776	997.2	99.9,99.9
155	1.536	1.588	1.339	1.118	1.005	0.9886	1.019	1.179	150-155	0.3653	997.5	100,100
160	1.168	1.185	0.9568	0.7916	0.7198	0.7247	0.7448	0.8494	155-160	0.2209	997.7	100,100
165	0.8769	0.8719	0.6759	0.5750	0.5329	0.5499	0.5579	0.6215	160-165	0.1275	997.9	100,100
170	0.6045	0.5922	0.4552	0.4082	0.3807	0.4026	0.3881	0.4304	165-170	0.0667	997.9	100,100
175	0.2626	0.2556	0.2214	0.2179	0.1862	0.1504	0.1735	0.1512	170-175	0.0254	998.0	100,100
180	0.0005	0.0004	0.0004	0	0	0.0006	0.0007	0.0005	175-180	0.0025	998.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LZJ
 Test Date:2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:28.2%
 Test Distance:1.191m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1047A P:9.880W PF:0.7862 Freq:0Hz Lamp Flux:997.966x1 lm		
NAME: BR40-11-830-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



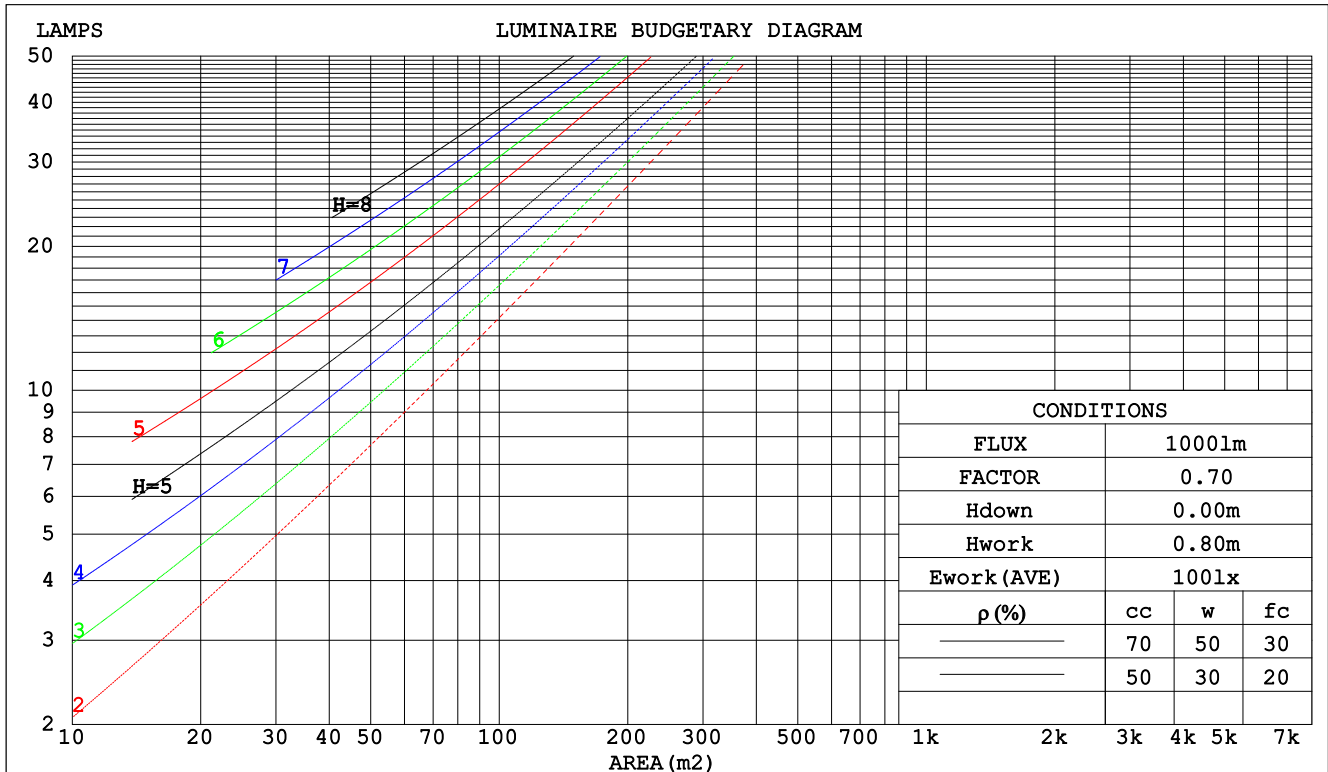
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C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
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Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 28.2%
Test Distance: 1.191m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1047A P:9.880W PF:0.7862 Freq:0Hz Lamp Flux:997.966x1 lm		
NAME: BR40-11-830-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	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	1.18	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	.96	.92	.98	.94	.90	.93	.89	.86	.88	.85	.83	.83	.81	.79	.76
2.0	.88	.81	.75	.85	.79	.73	.81	.75	.71	.77	.72	.68	.73	.69	.66	.63
3.0	.77	.69	.62	.75	.67	.61	.71	.65	.59	.68	.62	.57	.64	.60	.56	.53
4.0	.68	.59	.53	.67	.58	.52	.63	.56	.51	.60	.54	.49	.57	.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	.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	.39	.34	.29	.27
9.0	.42	.34	.28	.41	.33	.28	.39	.32	.27	.38	.32	.27	.36	.31	.26	.25
10.0	.39	.31	.25	.38	.30	.25	.36	.30	.25	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LZJ
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1047A P:9.880W PF:0.7862 Freq:0Hz Lamp Flux:997.966x1 lm								
NAME: BR40-11-830-DIM				TYPE: /			WEIGHT: /	
SPEC.: /				DIM.: /			SERIAL No.: /	
MFR.: RAB Lighting Inc				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	.335	.190	.060	.326	.186	.059	.309	.177	.057	.294	.169	.054	.280	.162	.052	
2.0	.302	.166	.051	.294	.162	.050	.280	.155	.048	.266	.149	.047	.253	.143	.045	
3.0	.275	.146	.044	.268	.143	.043	.255	.138	.042	.242	.133	.041	.231	.128	.040	
4.0	.251	.131	.038	.245	.128	.038	.233	.124	.037	.222	.119	.036	.212	.115	.035	
5.0	.231	.118	.034	.225	.116	.034	.215	.112	.033	.205	.108	.032	.195	.104	.031	
6.0	.213	.107	.031	.208	.105	.030	.199	.102	.030	.190	.099	.029	.181	.095	.028	
7.0	.198	.098	.028	.194	.096	.027	.185	.093	.027	.177	.091	.026	.169	.088	.026	
8.0	.185	.090	.025	.181	.089	.025	.173	.086	.025	.165	.084	.024	.158	.081	.024	
9.0	.173	.084	.023	.169	.082	.023	.162	.080	.023	.155	.078	.022	.149	.076	.022	
10.0	.163	.078	.022	.159	.077	.021	.152	.075	.021	.146	.073	.021	.140	.071	.020	

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	.236	.236	.236	.202	.202	.202	.138	.138	.138	.079	.079	.079	.025	.025	.025	
1.0	.228	.202	.179	.195	.173	.154	.134	.119	.106	.077	.069	.062	.025	.022	.020	
2.0	.220	.178	.143	.189	.154	.124	.129	.106	.086	.075	.062	.051	.024	.020	.016	
3.0	.212	.161	.120	.182	.139	.104	.125	.097	.073	.072	.056	.043	.023	.018	.014	
4.0	.204	.148	.105	.175	.128	.091	.121	.089	.064	.070	.052	.038	.022	.017	.012	
5.0	.197	.138	.094	.169	.119	.082	.116	.083	.058	.067	.049	.034	.022	.016	.011	
6.0	.189	.129	.086	.163	.112	.075	.112	.078	.053	.065	.046	.032	.021	.015	.010	
7.0	.183	.123	.081	.157	.106	.070	.108	.075	.050	.063	.044	.030	.020	.014	.010	
8.0	.176	.117	.076	.152	.101	.067	.105	.071	.047	.061	.042	.028	.020	.014	.009	
9.0	.170	.112	.073	.146	.097	.064	.101	.068	.045	.059	.040	.027	.019	.013	.009	
10.0	.164	.108	.070	.142	.094	.061	.098	.066	.043	.057	.039	.026	.019	.013	.009	

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 C Interval: 22.5DEG
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 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:28.2%
 Test Distance:1.191m [K=1.0000]
 Remarks

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1047A P:9.880W PF:0.7862 Freq:0Hz Lamp Flux:997.966x1 lm											
NAME: BR40-11-830-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	2H	20.6	22.1	21.0	22.4	22.7	20.9	22.4	21.3	22.7	23.0
	3H	22.2	23.6	22.6	23.9	24.3	22.6	23.9	23.0	24.3	24.6
	4H	23.0	24.3	23.4	24.7	25.0	23.4	24.7	23.8	25.1	25.4
	6H	23.8	25.0	24.2	25.4	25.8	24.3	25.5	24.7	25.8	26.2
	8H	24.2	25.4	24.7	25.8	26.2	24.7	25.8	25.1	26.2	26.6
	12H	24.7	25.8	25.1	26.2	26.6	25.2	26.3	25.6	26.7	27.1
4H	2H	21.3	22.5	21.7	22.9	23.3	21.5	22.8	21.9	23.1	23.5
	3H	23.1	24.2	23.6	24.6	25.1	23.4	24.5	23.9	24.9	25.4
	4H	24.1	25.1	24.5	25.5	26.0	24.4	25.4	24.9	25.8	26.3
	6H	25.0	25.9	25.5	26.4	26.9	25.4	26.3	25.9	26.8	27.3
	8H	25.5	26.4	26.0	26.9	27.4	25.9	26.8	26.4	27.3	27.8
	12H	26.1	26.9	26.6	27.4	27.9	26.5	27.3	27.1	27.8	28.3
8H	4H	24.5	25.3	25.0	25.8	26.3	24.8	25.6	25.3	26.1	26.6
	6H	25.7	26.4	26.2	26.9	27.5	26.0	26.7	26.6	27.2	27.8
	8H	26.4	27.0	26.9	27.5	28.1	26.7	27.4	27.3	27.9	28.5
	12H	27.1	27.7	27.7	28.2	28.8	27.5	28.1	28.1	28.6	29.2
12H	4H	24.6	25.3	25.1	25.8	26.4	24.8	25.6	25.3	26.1	26.6
	6H	25.9	26.5	26.4	27.0	27.6	26.2	26.8	26.7	27.3	27.9
	8H	26.6	27.2	27.2	27.7	28.3	27.0	27.5	27.5	28.1	28.7
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, 998.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.0)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LZJ
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1047A P:9.880W PF:0.7862 Freq:0Hz Lamp Flux:997.966x1 lm		
NAME: BR40-11-830-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

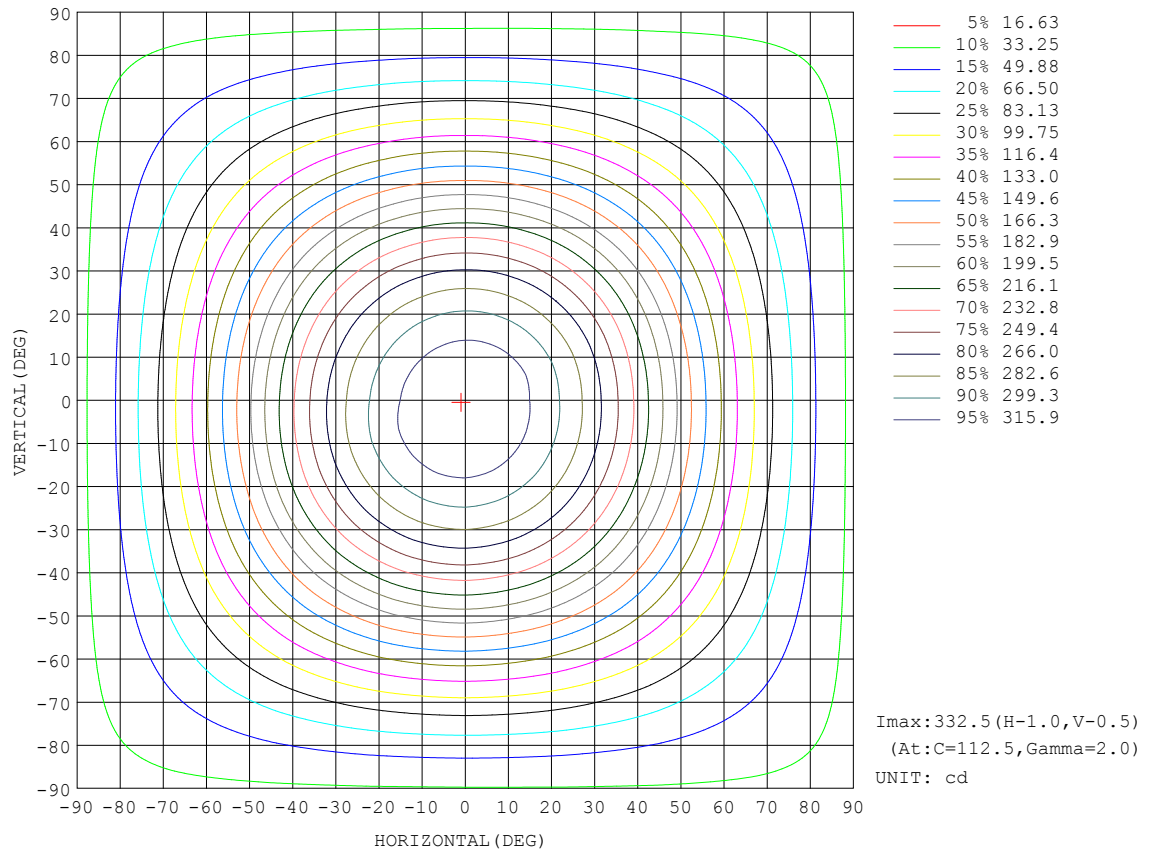
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	55	44	37	55	44	37	53	43	36	30
0.80	65	53	46	64	53	46	62	52	45	38
1.00	73	62	54	72	61	54	69	62	53	46
1.25	80	69	61	78	68	61	75	66	60	52
1.50	85	74	67	83	73	66	79	71	65	57
2.00	92	82	75	89	81	74	85	78	73	64
2.50	96	87	80	93	85	79	89	82	77	67
3.00	99	91	85	96	89	84	92	86	81	71
4.00	103	97	91	100	94	90	95	90	86	76
5.00	106	100	95	103	98	93	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: LZJ
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1047A P:9.880W PF:0.7862 Freq:0Hz Lamp Flux:997.966x1 lm		
NAME: BR40-11-830-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

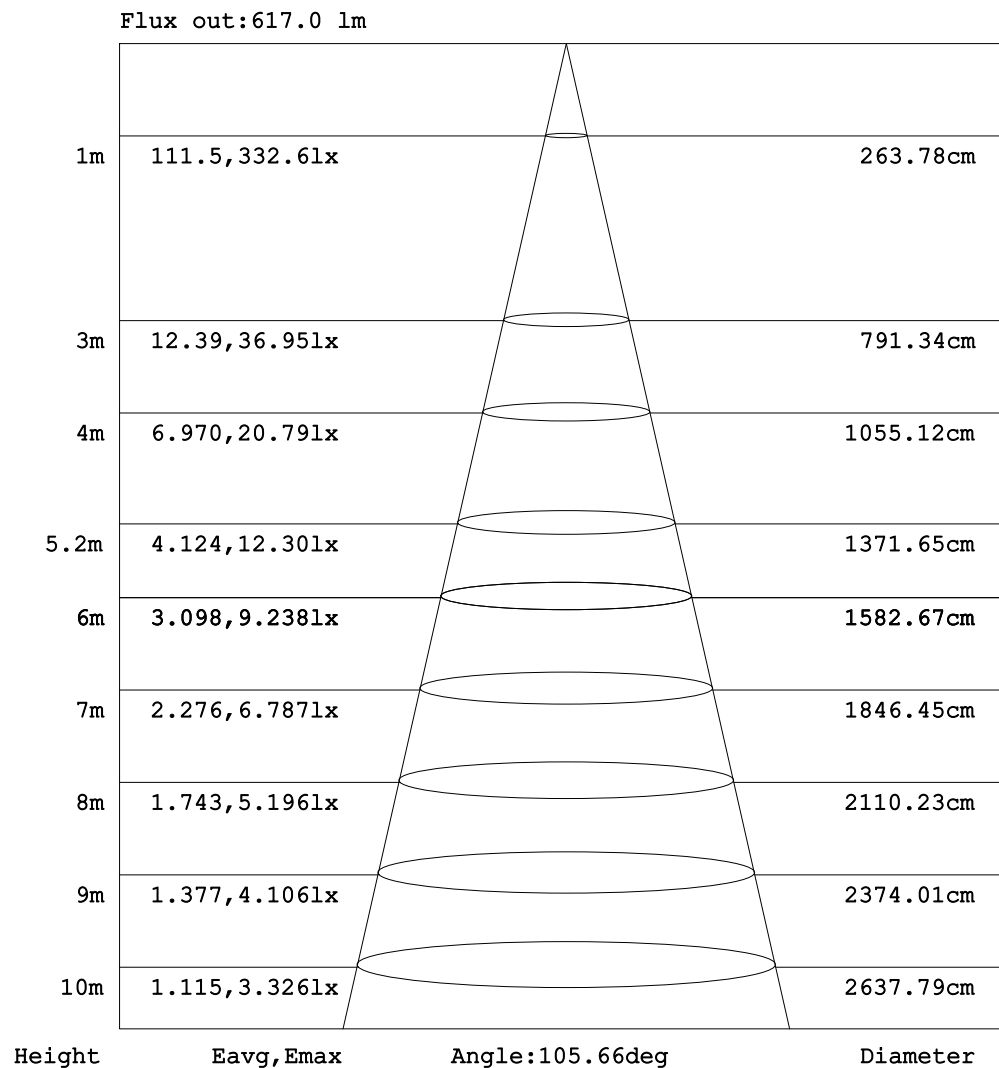


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LZJ
Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 28.2%
Test Distance: 1.191m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.0V I:0.1047A P:9.880W PF:0.7862 Freq:0Hz Lamp Flux:997.966x1 lm		
NAME: BR40-11-830-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



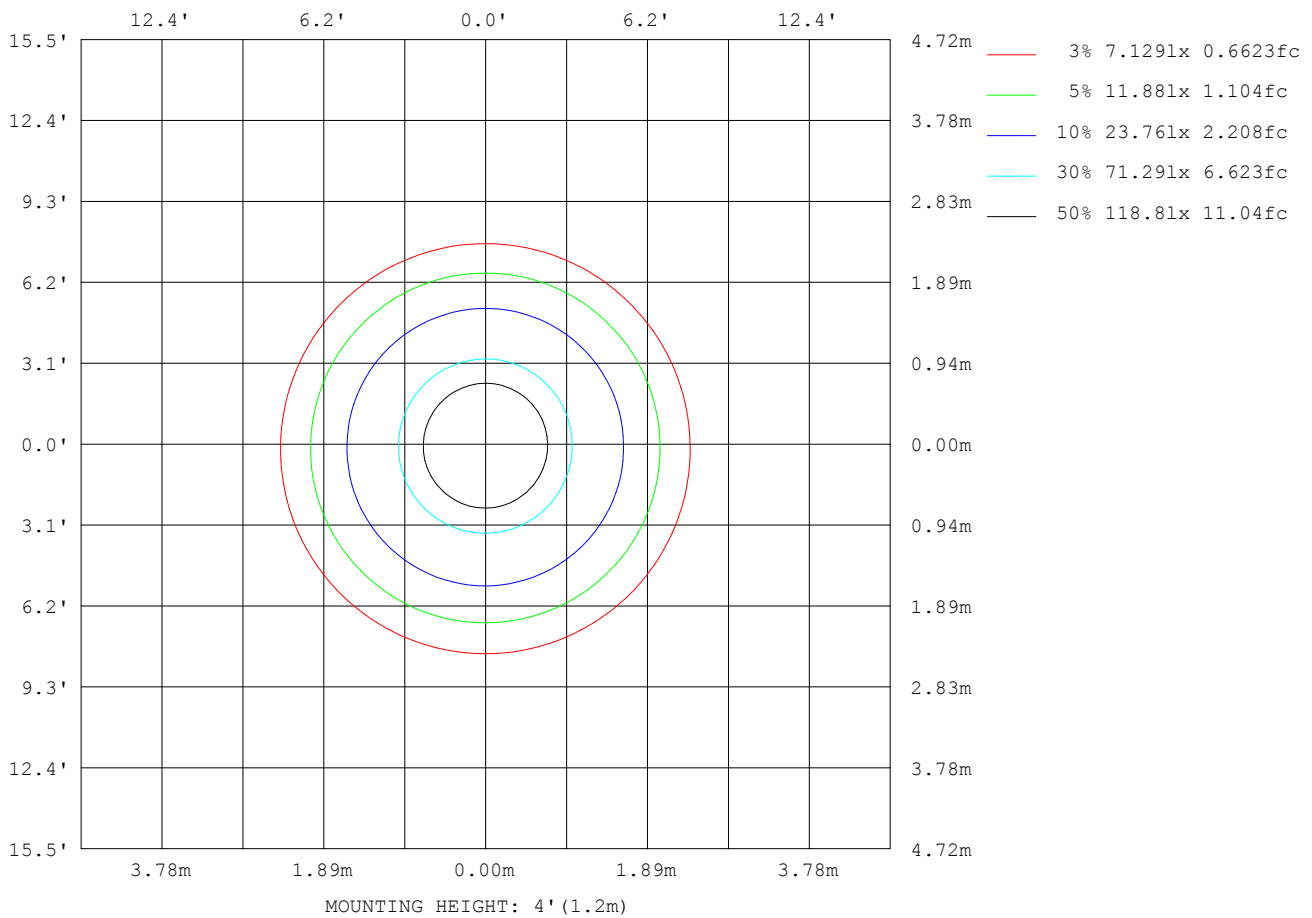
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LZJ
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1047A P:9.880W PF:0.7862 Freq:0Hz Lamp Flux:997.966x1 lm		
NAME: BR40-11-830-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: LZJ
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1047A P:9.880W PF:0.7862 Freq:0Hz Lamp Flux:997.966x1 lm		
NAME: BR40-11-830-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

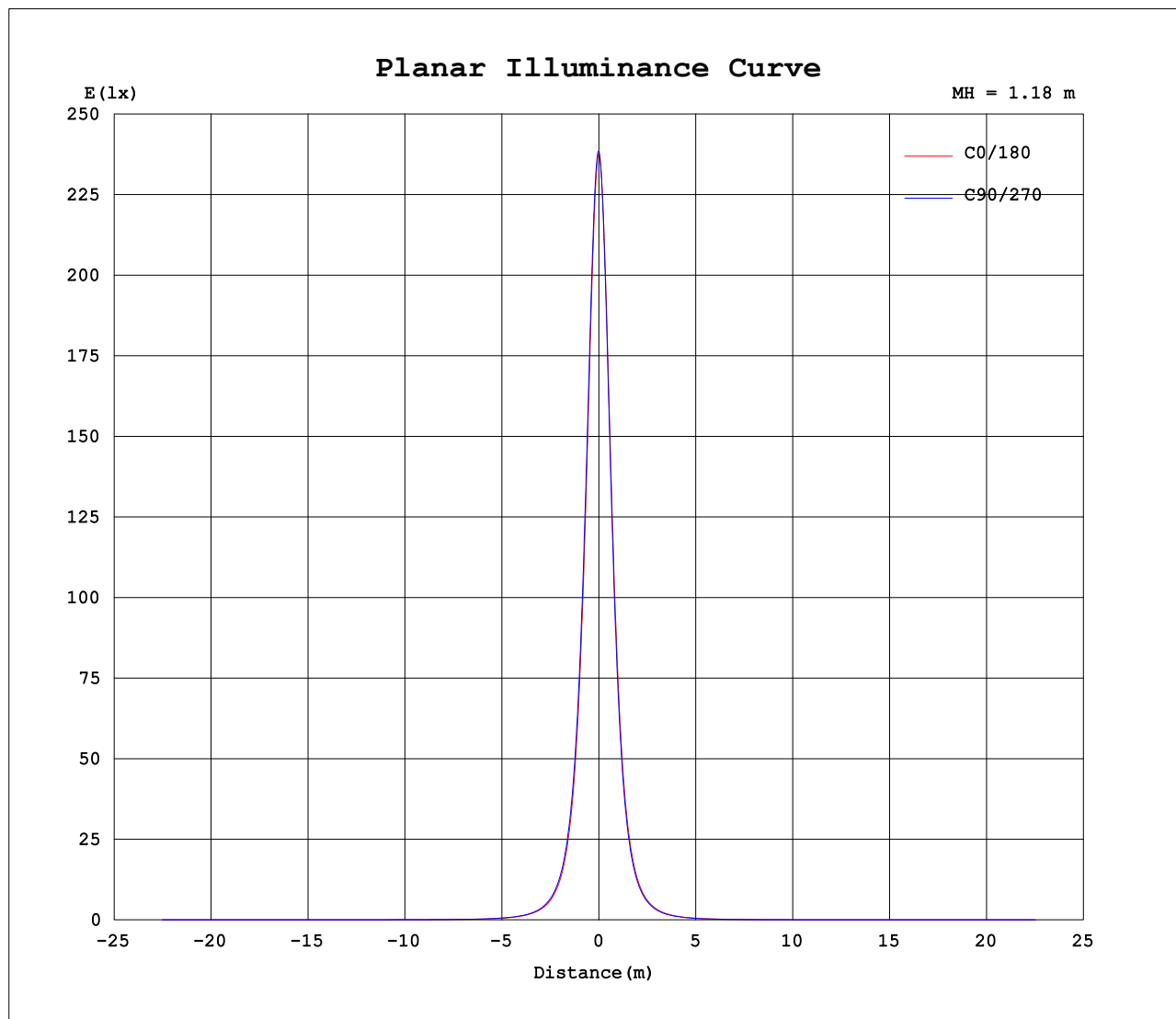
AvgL	cd/m2
L_0~180 (65) av	10157
L_0~180 (75) av	10627
L_0~180 (85) av	18057
L_90~270 (65) av	10213
L_90~270 (75) av	10669
L_90~270 (85) av	18217
L_45 (65) av	10204
L_45 (75) av	10673
L_45 (85) av	18183

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LZJ
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LZJ
Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 28.2%
Test Distance: 1.191m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1047A P:9.880W PF:0.7862 Freq:0Hz Lamp Flux:997.966x1 lm																	
NAME: BR40-11-830-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	331	331	331	331	332	332	332	333	331	331	331	331	332	332	332	333			
5	329	330	331	331	332	332	332	331	329	329	329	329	329	329	330	330			
10	324	325	326	327	328	328	328	327	324	323	323	322	323	323	324	325			
15	316	317	319	320	321	322	321	319	316	315	314	313	314	314	315	316			
20	304	306	308	310	312	312	311	309	305	303	302	301	301	302	303	304			
25	290	292	295	297	299	299	297	295	291	288	287	286	286	286	288	289			
30	272	275	278	281	283	282	281	278	274	271	269	267	267	268	269	271			
35	251	255	258	261	263	263	261	258	254	250	248	246	245	246	248	250			
40	228	232	236	239	241	241	239	236	231	227	224	222	222	222	224	227			
45	203	208	211	215	217	217	215	212	207	203	199	197	197	197	199	202			
50	178	182	186	190	192	191	189	186	181	177	174	172	171	172	173	176			
55	154	158	161	164	166	166	164	160	156	152	149	147	146	147	148	151			
60	130	134	137	140	141	141	139	136	132	128	125	123	123	123	125	127			
65	108	112	115	116	117	117	115	112	109	106	103	101	101	101	103	105			
70	87.9	91.1	93.8	95.2	95.6	95.1	93.6	91.2	88.0	85.3	83.0	81.6	81.0	81.5	82.8	85.3			
75	69.6	72.4	74.7	75.9	76.1	75.6	74.2	72.1	69.3	67.0	65.1	63.9	63.4	63.9	65.1	67.3			
80	53.5	55.9	57.8	58.8	58.9	58.5	57.2	55.3	53.0	51.0	49.5	48.5	48.2	48.7	49.8	51.6			
85	40.2	42.0	43.5	44.3	44.4	44.0	42.9	41.3	39.3	37.8	36.6	35.9	35.8	36.3	37.1	38.6			
90	29.8	31.1	32.2	32.7	32.7	32.3	31.4	30.2	28.7	27.6	26.8	26.3	26.4	26.8	27.5	28.6			
95	22.6	23.6	24.2	24.5	24.4	24.0	23.2	22.2	21.2	20.5	20.0	19.8	19.9	20.3	20.9	21.7			
100	18.0	18.7	19.0	19.0	18.7	18.3	17.7	17.1	16.5	16.1	15.8	15.7	15.8	16.1	16.7	17.4			
105	14.9	15.4	15.6	15.5	15.2	14.8	14.3	13.9	13.4	13.2	12.9	12.8	13.0	13.3	13.7	14.3			
110	12.3	12.7	12.9	12.8	12.5	12.1	11.7	11.3	11.0	10.7	10.6	10.5	10.6	10.9	11.3	11.8			
115	10.1	10.4	10.6	10.5	10.2	9.86	9.51	9.20	8.91	8.72	8.56	8.51	8.62	8.86	9.24	9.71			
120	8.26	8.54	8.65	8.54	8.29	7.99	7.68	7.41	7.17	7.01	6.89	6.86	6.95	7.17	7.51	7.92			
125	6.70	6.94	7.02	6.91	6.68	6.40	6.14	5.91	5.71	5.59	5.50	5.47	5.56	5.75	6.06	6.41			
130	5.40	5.60	5.65	5.54	5.33	5.08	4.85	4.65	4.47	4.37	4.30	4.29	4.37	4.54	4.82	5.14			
135	4.31	4.48	4.51	4.40	4.20	3.97	3.77	3.61	3.47	3.39	3.33	3.32	3.41	3.55	3.79	4.07			
140	3.41	3.56	3.57	3.45	3.26	3.06	2.89	2.75	2.64	2.58	2.53	2.53	2.60	2.73	2.94	3.19			
145	2.66	2.78	2.78	2.66	2.47	2.30	2.15	2.04	1.96	1.92	1.88	1.88	1.94	2.05	2.22	2.44			
150	2.03	2.13	2.11	2.00	1.84	1.69	1.57	1.48	1.41	1.39	1.37	1.37	1.41	1.50	1.64	1.83			
155	1.54	1.62	1.59	1.48	1.34	1.21	1.12	1.05	1.01	1.00	0.99	0.98	1.02	1.08	1.18	1.34			
160	1.17	1.24	1.19	1.08	0.96	0.86	0.79	0.75	0.72	0.72	0.72	0.72	0.74	0.79	0.85	0.97			
165	0.88	0.93	0.87	0.78	0.68	0.61	0.57	0.56	0.53	0.53	0.55	0.54	0.56	0.58	0.62	0.70			
170	0.60	0.64	0.59	0.51	0.46	0.42	0.41	0.40	0.38	0.38	0.40	0.39	0.39	0.42	0.43	0.47			
175	0.26	0.23	0.26	0.26	0.22	0.19	0.22	0.23	0.19	0.19	0.15	0.16	0.17	0.13	0.15	0.18			
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:LZJ
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
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