

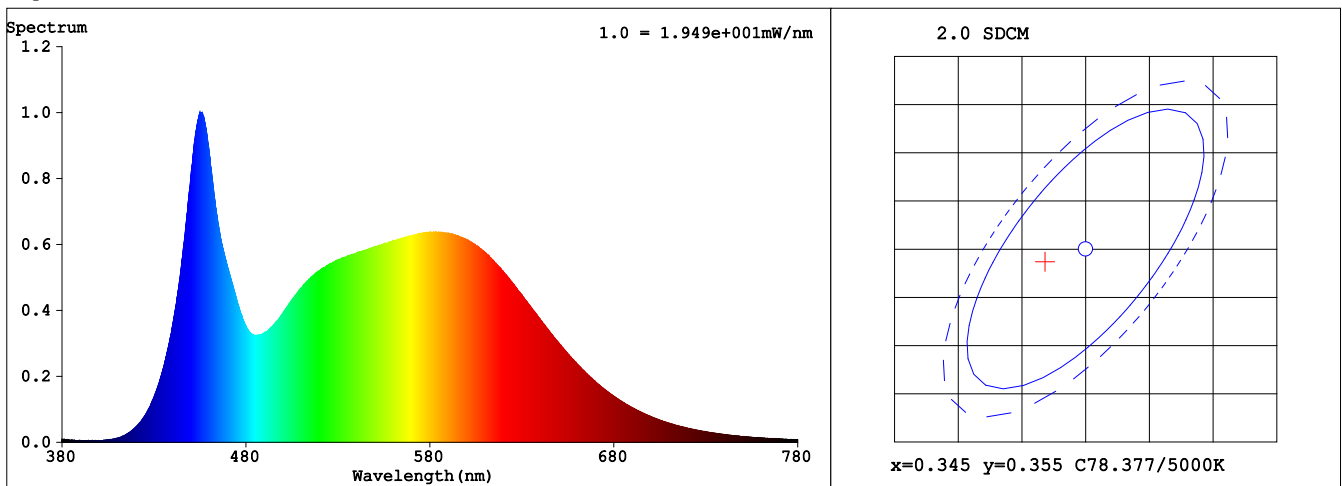
Spectrum Test Report

Sample	:	Date	: 2019-06-22 06:53:41
Specification	:	Sam. Status	:
Sample No.	: BR30-7.5-850-DIM	Standard	:
Manufacturer	: RAB Lighting Inc	Instrument	: HaasSuite(EVERFINE)
Remark	:	Test by	: huaWenJun (2M)

Test Condition

Temperature	: 25.3Deg	RH	: 30.1%
WL Range	: 380nm-780nm	IP	: 52873 (81%)
Test Mode	: Fast Test	T	: 280 ms
Sensitivity	: High		

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3415$ $y = 0.3537$ / $u' = 0.2081$ $v' = 0.4852$ ($duv=2.55e-03$)

CCT= 5146K Prcp WL: $L_d=567.7nm$ Purity=8.6%

Peak WL: $L_p=456nm$ FWHM: =27.5nm Ratio:R=15.6% G=79.2% B=5.2%

Render Index: $R_a = 84.8$ TM30:Rf=82 Rg=94

R1 =83 R2 =92 R3 =95 R4 =82 R5 =84 R6 =88 R7 =87

R8 =68 R9 =14 R10=79 R11=81 R12=65 R13=86 R14=98 R15=78

LEVEL:OUT WHITE:ANSI_5000K

Photometric & Radiometric Parameters

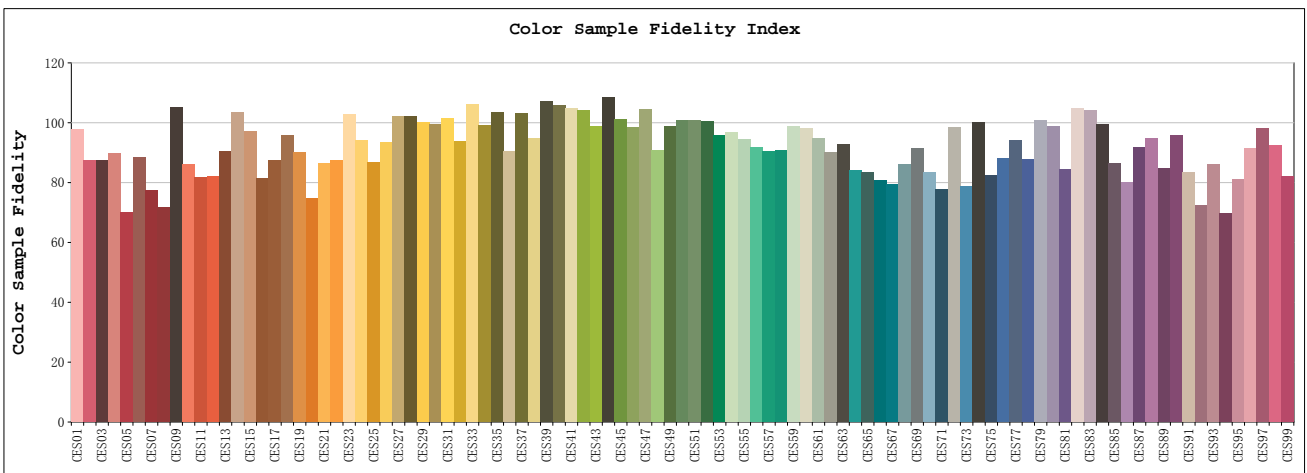
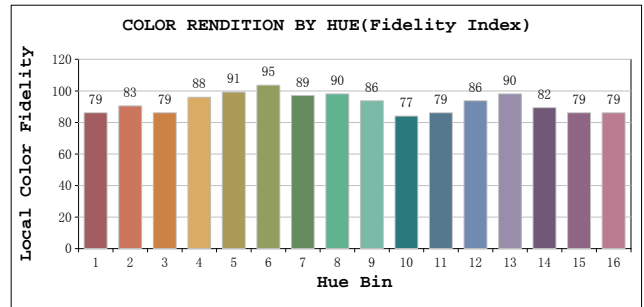
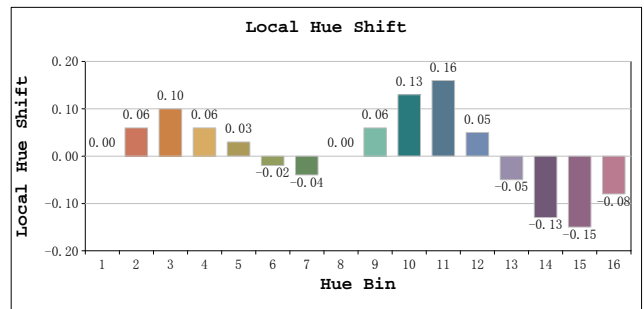
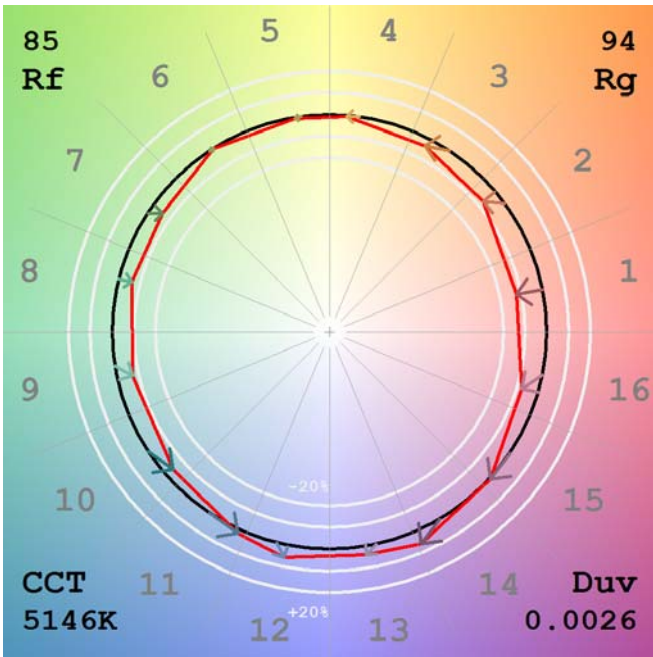
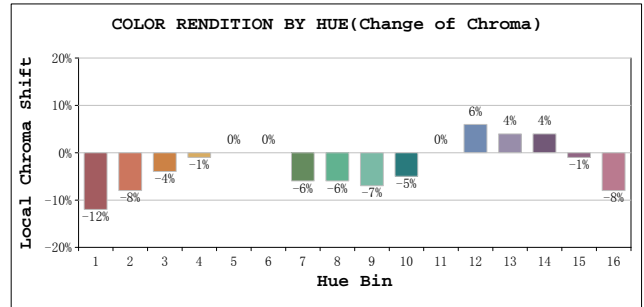
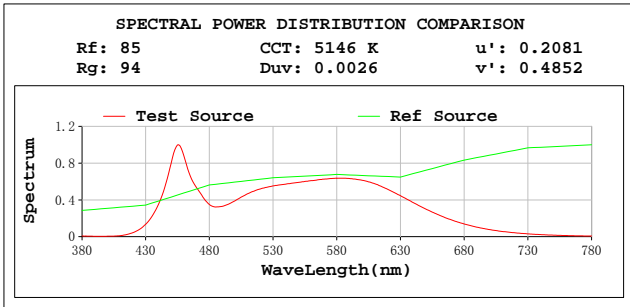
Flux = 791.39 lm Eff. : 112.73 lm/W Fe = 2.4970 W

Flux of emitted photons($\mu mol/s$):11.476 Fluo. and blue light ratio:3.081 Fluorescent eff.:250.0

Electrical parameters

V = 119.94 V I = 0.06290 A P = 7.020 W PF = 0.9305

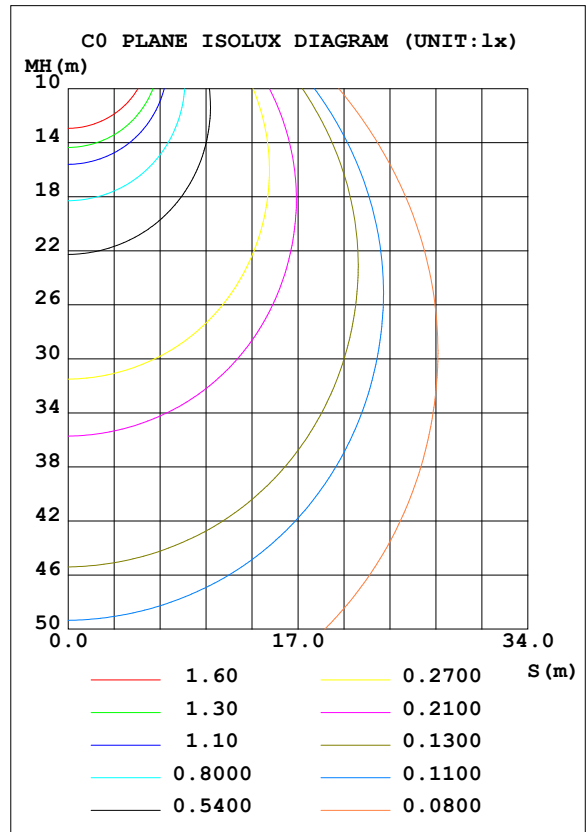
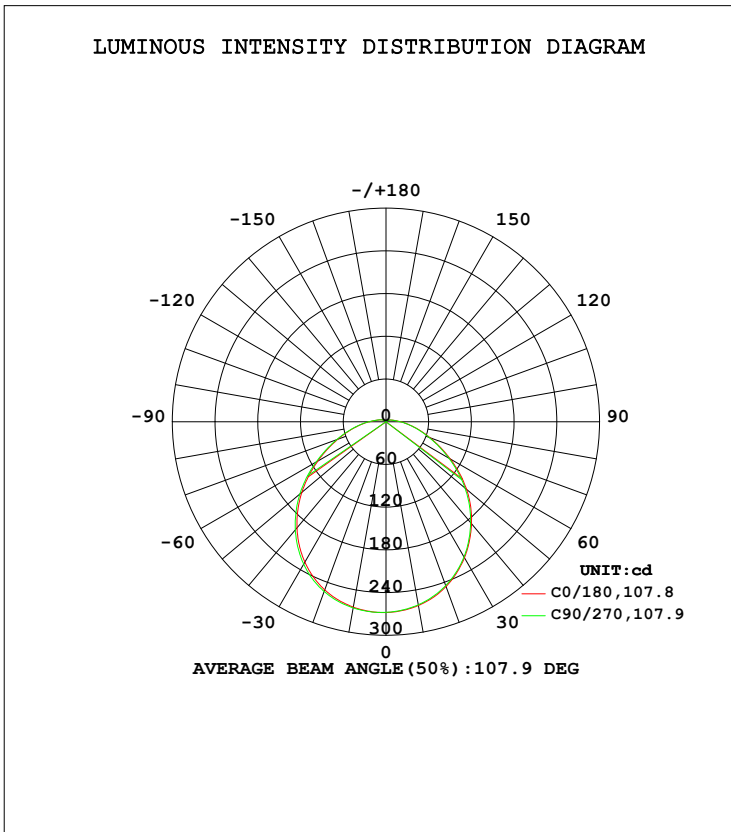
TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.0625A P:7.010W PF:0.9346 Freq:0Hz Lamp Flux:804.81x1 lm		
NAME: BR30-7.5-850-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.81 lm/W			
MODEL		I _{max} (cd)	268.0	S/MH (C0/180)	1.26
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	804.81	η UP, DN (C0-180)	2.4, 46.1
NOMINAL FLUX (lm)	804.81	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.7, 48.8
LAMPS INSIDE	1	η up (%)	5.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	94.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZMB
 Test Date: 2019-06-21

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:

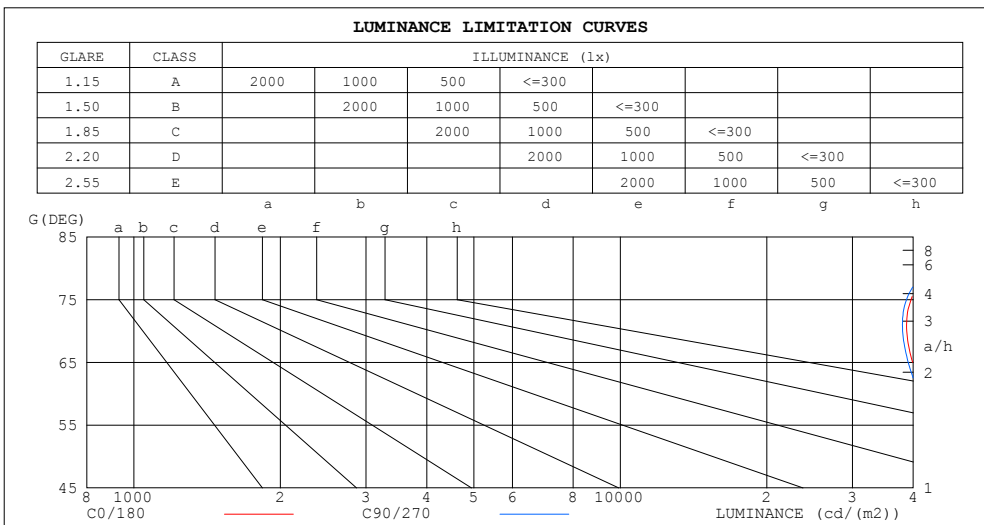
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	266.1	265.4	265.5	266.0	267.3	267.7	267.7	266.8	0- 5	6.386	6.386	0.79,0.79
10	262.0	260.9	261.1	262.2	264.4	265.4	265.5	263.8	5- 10	18.95	25.33	3.15,3.15
15	255.6	254.0	254.3	255.9	259.1	260.9	261.0	258.4	10- 15	30.88	56.21	6.98,6.98
20	246.4	244.5	245.0	247.5	251.4	253.8	253.7	250.5	15- 20	41.74	97.95	12.2,12.2
25	234.5	232.5	233.2	236.4	240.9	243.9	243.9	239.6	20- 25	51.10	149.0	18.5,18.5
30	220.4	218.1	219.1	222.8	227.7	231.2	231.1	226.2	25- 30	58.55	207.6	25.8,25.8
35	204.4	201.9	202.9	206.9	212.2	216.1	215.7	210.6	30- 35	63.81	271.4	33.7,33.7
40	186.9	184.3	185.0	189.0	194.5	198.8	198.1	193.1	35- 40	66.72	338.1	42,42
45	168.2	165.2	165.6	169.6	175.0	179.6	178.8	174.1	40- 45	67.23	405.4	50.4,50.4
50	147.7	144.6	144.9	148.9	154.2	158.9	157.9	153.6	45- 50	65.32	470.7	58.5,58.5
55	126.0	122.9	123.3	127.3	132.6	137.2	135.8	131.7	50- 55	61.05	531.7	66.1,66.1
60	104.0	101.2	101.8	105.8	110.8	115.0	113.5	109.4	55- 60	54.76	586.5	72.9,72.9
65	83.61	81.09	81.90	85.67	90.25	93.88	92.42	88.56	60- 65	47.24	633.7	78.7,78.7
70	65.80	63.68	64.54	67.94	72.05	75.06	73.71	70.21	65- 70	39.43	673.2	83.6,83.6
75	50.82	49.02	49.75	52.77	56.46	58.88	57.78	54.56	70- 75	31.99	705.2	87.6,87.6
80	38.35	36.85	37.47	40.02	43.07	45.13	44.16	41.42	75- 80	25.17	730.3	90.7,90.7
85	28.33	27.16	27.65	29.71	32.18	33.82	33.08	30.80	80- 85	19.22	749.5	93.1,93.1
90	20.65	19.81	20.20	21.73	23.65	24.94	24.35	22.56	85- 90	14.29	763.8	94.9,94.9
95	15.22	14.67	14.96	16.02	17.36	18.30	17.86	16.55	90- 95	10.47	774.3	96.2,96.2
100	11.65	11.34	11.56	12.26	13.13	13.77	13.45	12.52	95-100	7.756	782.1	97.2,97.2
105	9.195	8.984	9.184	9.720	10.37	10.78	10.53	9.842	100-105	5.926	788.0	97.9,97.9
110	7.279	7.123	7.301	7.744	8.265	8.588	8.362	7.789	105-110	4.591	792.6	98.5,98.5
115	5.743	5.621	5.781	6.148	6.572	6.815	6.619	6.143	110-115	3.530	796.1	98.9,98.9
120	4.483	4.389	4.538	4.838	5.190	5.382	5.209	4.783	115-120	2.674	798.8	99.3,99.3
125	3.454	3.378	3.516	3.754	4.029	4.179	4.031	3.693	120-125	1.982	800.8	99.5,99.5
130	2.613	2.542	2.673	2.865	3.089	3.206	3.088	2.798	125-130	1.434	802.2	99.7,99.7
135	1.923	1.860	1.982	2.134	2.322	2.413	2.318	2.075	130-135	1.005	803.2	99.8,99.8
140	1.370	1.311	1.429	1.548	1.700	1.764	1.690	1.490	135-140	0.6768	803.9	99.9,99.9
145	0.9273	0.8696	0.9841	1.077	1.194	1.237	1.180	1.023	140-145	0.4325	804.3	99.9,99.9
150	0.5749	0.5241	0.6303	0.7054	0.7874	0.8090	0.7645	0.6541	145-150	0.2559	804.6	100,100
155	0.3092	0.2767	0.3627	0.4280	0.4760	0.4785	0.4337	0.3759	150-155	0.1352	804.7	100,100
160	0.1360	0.1337	0.1797	0.2447	0.2541	0.2400	0.1851	0.1784	155-160	0.0608	804.8	100,100
165	0.0703	0.0765	0.0943	0.1473	0.1361	0.1064	0.0524	0.0671	160-165	0.0229	804.8	100,100
170	0.0493	0.0528	0.0605	0.0887	0.0806	0.0615	0.0344	0.0356	165-170	0.0091	804.8	100,100
175	0.0249	0.0238	0.0276	0.0268	0.0282	0.0252	0.0192	0.0193	170-175	0.0031	804.8	100,100
180	0.0005	0.0005	0.0003	0.0005	0.0002	0.0005	0.0005	0.0006	175-180	0.0003	804.8	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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:0.0625A P:7.010W PF:0.9346 Freq:0Hz Lamp Flux:804.81x1 lm		
NAME: BR30-7.5-850-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	65536	63964
80	44524	43507
75	39590	38755
70	38790	38042
65	39889	39069
60	41941	41056
55	44276	43355
50	46331	45447
45	47945	47212

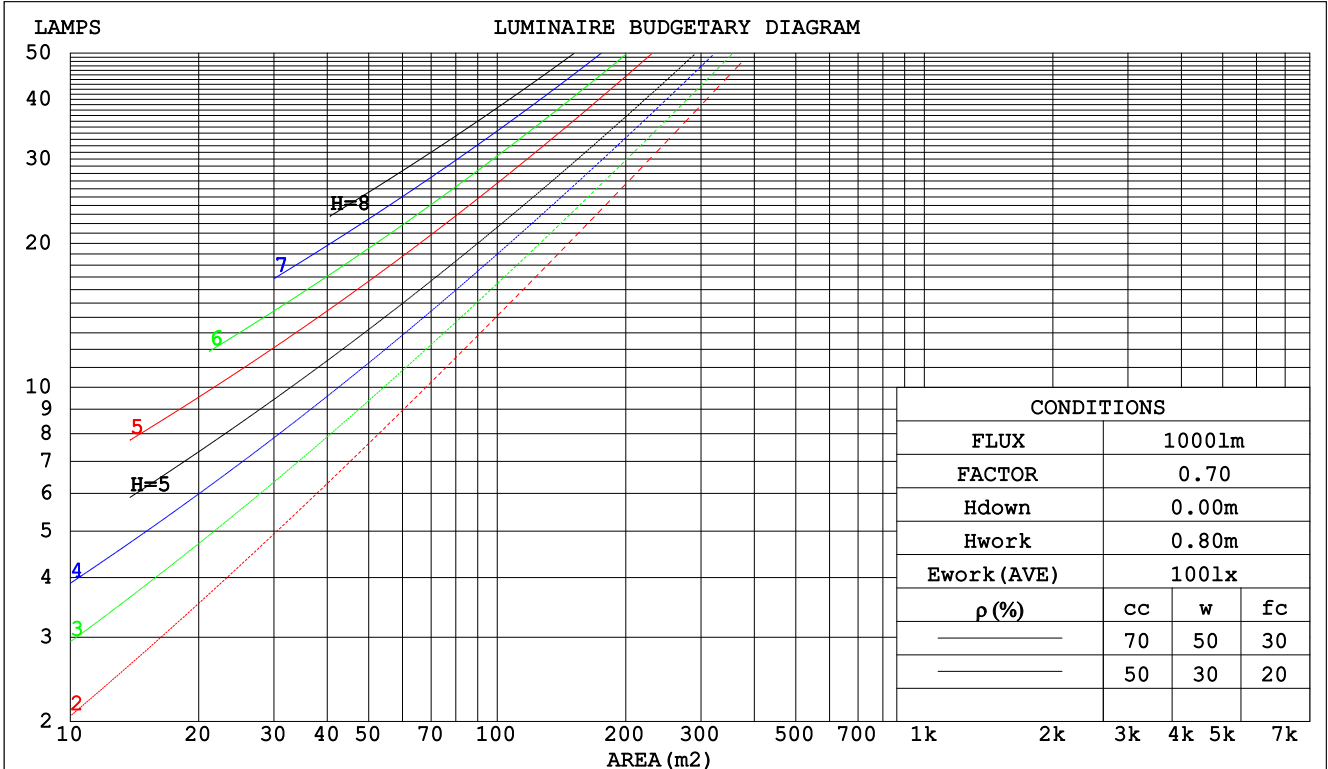
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.0625A P:7.010W PF:0.9346 Freq:0Hz Lamp Flux:804.81x1 lm		
NAME: BR30-7.5-850-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	1.15	1.15	1.15	1.08	1.08	1.08	1.03	1.03	1.03	.97	.97	.97	.95
1.0	1.02	.97	.93	.99	.95	.91	.94	.90	.87	.89	.86	.83	.84	.82	.80	.78
2.0	.88	.81	.75	.86	.80	.74	.82	.76	.72	.78	.73	.69	.74	.70	.67	.64
3.0	.78	.69	.63	.76	.68	.62	.72	.65	.60	.68	.63	.58	.65	.61	.57	.54
4.0	.69	.60	.53	.67	.59	.52	.64	.57	.51	.61	.55	.50	.58	.53	.49	.46
5.0	.61	.52	.46	.60	.52	.45	.57	.50	.44	.55	.48	.43	.52	.47	.42	.40
6.0	.55	.46	.40	.54	.46	.40	.52	.44	.39	.50	.43	.38	.48	.42	.37	.35
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.45	.39	.34	.43	.38	.33	.31
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.38	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.26	.38	.31	.25	.37	.30	.25	.35	.29	.25	.34	.29	.24	.23



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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:0.0625A P:7.010W PF:0.9346 Freq:0Hz Lamp Flux:804.81x1 lm		
NAME: BR30-7.5-850-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	.331	.188	.060	.322	.184	.058	.306	.175	.056	.291	.168	.054	.277	.161	.052	
2.0	.300	.164	.050	.292	.161	.050	.278	.155	.048	.265	.148	.046	.252	.143	.045	
3.0	.274	.146	.044	.267	.143	.043	.254	.138	.042	.242	.133	.041	.231	.128	.040	
4.0	.250	.130	.038	.244	.128	.038	.233	.123	.037	.222	.119	.036	.212	.115	.035	
5.0	.231	.117	.034	.225	.116	.034	.215	.112	.033	.205	.108	.032	.196	.105	.031	
6.0	.213	.107	.031	.208	.105	.030	.199	.102	.030	.190	.099	.029	.182	.096	.028	
7.0	.198	.098	.028	.194	.096	.028	.185	.094	.027	.177	.091	.026	.170	.088	.026	
8.0	.185	.090	.025	.181	.089	.025	.173	.087	.025	.166	.084	.024	.159	.082	.024	
9.0	.173	.084	.023	.169	.083	.023	.163	.080	.023	.156	.078	.022	.150	.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	.229	.229	.229	.196	.196	.196	.134	.134	.134	.077	.077	.077	.025	.025	.025	
1.0	.221	.195	.172	.189	.167	.148	.129	.115	.102	.074	.067	.059	.024	.021	.019	
2.0	.213	.171	.136	.182	.147	.118	.125	.102	.082	.072	.059	.048	.023	.019	.016	
3.0	.205	.154	.113	.176	.133	.098	.121	.092	.069	.070	.054	.041	.022	.017	.013	
4.0	.197	.141	.098	.169	.122	.085	.116	.085	.060	.067	.050	.035	.022	.016	.012	
5.0	.189	.130	.087	.163	.113	.076	.112	.079	.053	.065	.046	.032	.021	.015	.010	
6.0	.182	.122	.079	.157	.106	.069	.108	.074	.049	.063	.044	.029	.020	.014	.010	
7.0	.175	.115	.073	.151	.100	.064	.104	.070	.045	.061	.041	.027	.020	.014	.009	
8.0	.169	.110	.069	.145	.095	.060	.101	.067	.043	.058	.039	.025	.019	.013	.008	
9.0	.163	.105	.066	.140	.091	.057	.097	.064	.041	.057	.038	.024	.018	.012	.008	
10.0	.157	.100	.063	.135	.087	.055	.094	.061	.039	.055	.036	.023	.018	.012	.008	

C Range: 0 - 360DEG
 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:0.0625A P:7.010W PF:0.9346 Freq:0Hz Lamp Flux:804.8lx1 lm										
NAME: BR30-7.5-850-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	25.3	26.8	25.7	27.1	27.4	25.3	26.7	25.6	27.0	27.3
3H	26.8	28.1	27.2	28.5	28.8	26.7	28.1	27.1	28.4	28.7
4H	27.5	28.8	27.9	29.1	29.5	27.4	28.7	27.8	29.0	29.4
6H	28.2	29.4	28.6	29.8	30.1	28.1	29.3	28.5	29.6	30.0
8H	28.5	29.7	29.0	30.1	30.5	28.4	29.6	28.8	30.0	30.4
12H	28.9	30.1	29.4	30.4	30.9	28.8	29.9	29.3	30.3	30.7
4H 2H	25.9	27.1	26.2	27.5	27.8	25.8	27.1	26.2	27.4	27.8
3H	27.5	28.6	28.0	29.0	29.4	27.5	28.6	27.9	29.0	29.4
4H	28.4	29.4	28.8	29.8	30.3	28.3	29.3	28.7	29.7	30.2
6H	29.2	30.2	29.7	30.6	31.1	29.2	30.1	29.6	30.5	31.0
8H	29.7	30.6	30.2	31.0	31.5	29.6	30.5	30.1	30.9	31.4
12H	30.2	31.0	30.7	31.5	32.0	30.1	30.9	30.6	31.4	31.9
8H 4H	28.7	29.5	29.2	30.0	30.5	28.6	29.5	29.1	29.9	30.4
6H	29.8	30.5	30.3	31.0	31.5	29.7	30.4	30.2	30.9	31.4
8H	30.4	31.0	30.9	31.5	32.1	30.3	30.9	30.8	31.5	32.0
12H	31.1	31.7	31.7	32.2	32.8	31.0	31.6	31.6	32.1	32.7
12H 4H	28.7	29.5	29.2	30.0	30.5	28.7	29.4	29.2	29.9	30.4
6H	29.9	30.5	30.4	31.1	31.6	29.8	30.5	30.4	31.0	31.5
8H	30.6	31.2	31.2	31.7	32.3	30.5	31.1	31.1	31.6	32.2
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, 804.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.8)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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:0.0625A P:7.010W PF:0.9346 Freq:0Hz Lamp Flux:804.81x1 lm		
NAME: BR30-7.5-850-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

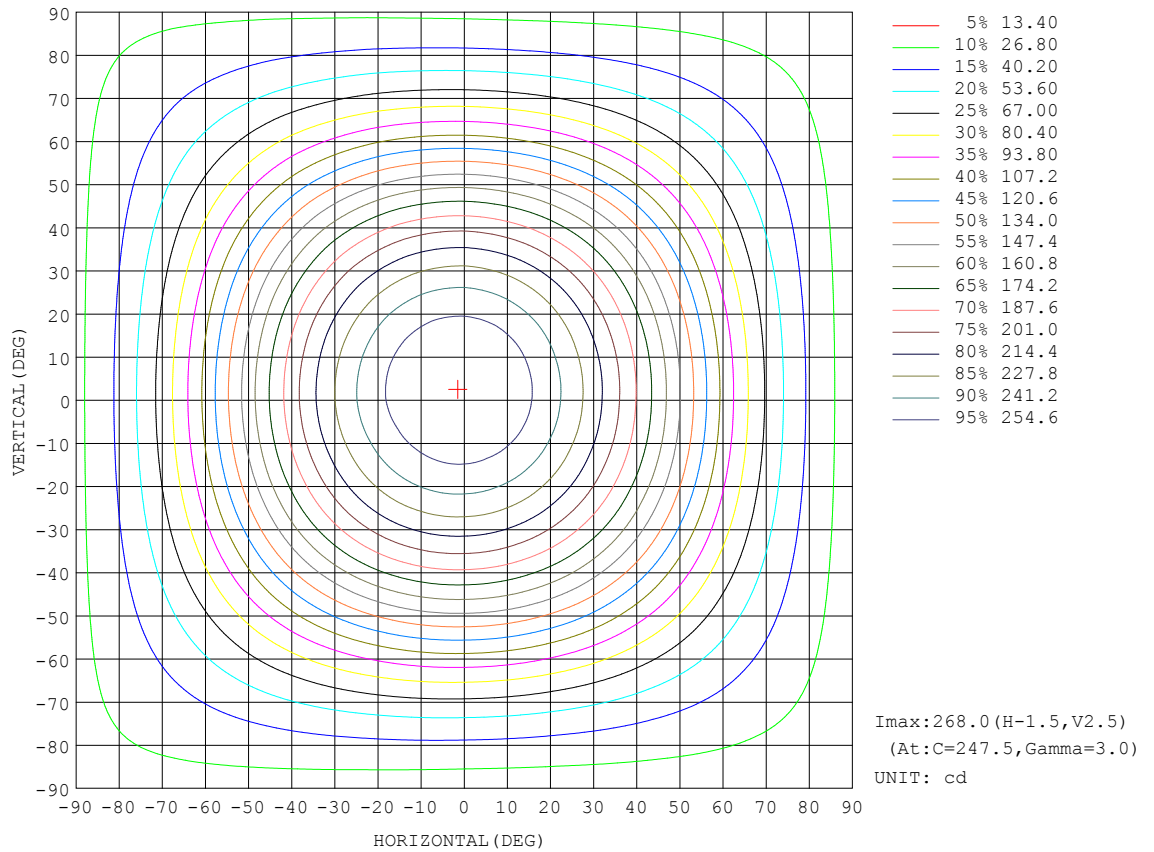
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	43	37	30
0.80	66	54	46	64	53	46	62	52	46	39
1.00	74	62	55	72	62	54	70	63	54	46
1.25	81	70	62	79	69	62	76	67	61	53
1.50	85	75	68	84	74	67	80	72	66	58
2.00	92	83	76	90	82	75	86	79	73	65
2.50	96	88	81	94	86	80	89	83	78	69
3.00	100	92	86	97	90	85	92	87	82	72
4.00	104	97	92	101	95	90	96	91	87	77
5.00	106	101	96	103	98	94	98	94	90	80
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:ZMB
 Test Date:2019-06-21

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:0.0625A P:7.010W PF:0.9346 Freq:0Hz Lamp Flux:804.81x1 lm		
NAME: BR30-7.5-850-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

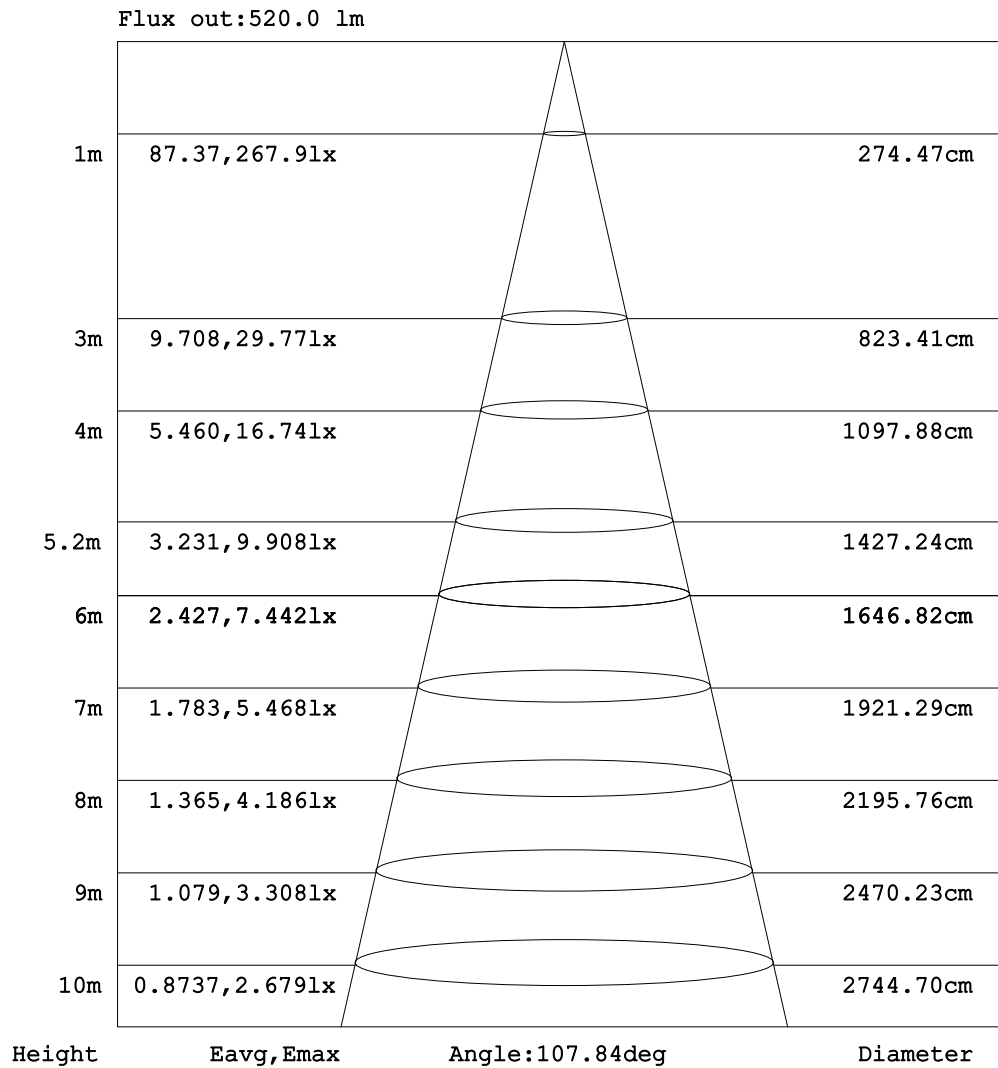


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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:0.0625A P:7.010W PF:0.9346 Freq:0Hz Lamp Flux:804.81x1 lm		
NAME: BR30-7.5-850-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



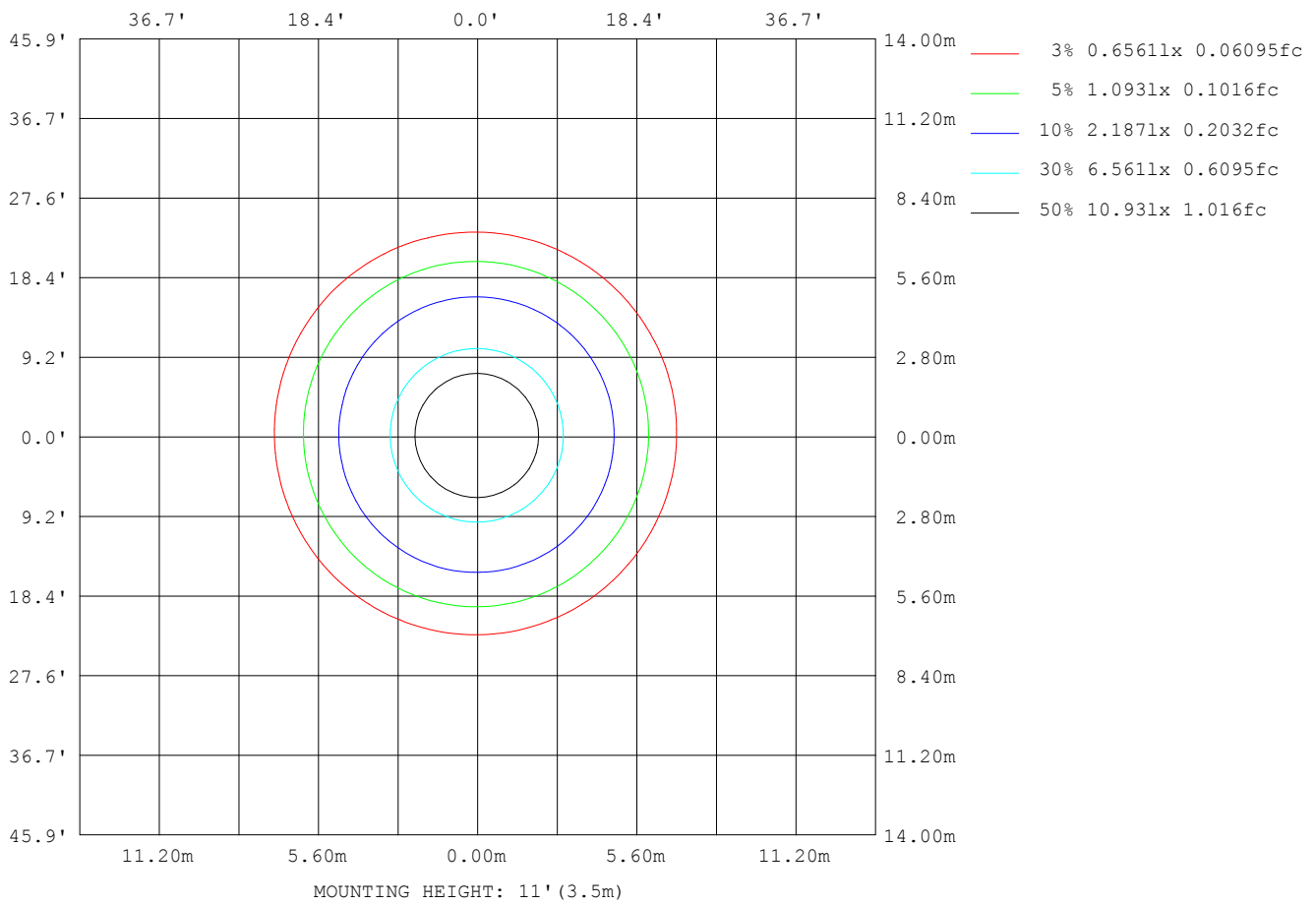
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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:0.0625A P:7.010W PF:0.9346 Freq:0Hz Lamp Flux:804.81x1 lm		
NAME: BR30-7.5-850-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:ZMB
 Test Date:2019-06-21

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:0.0625A P:7.010W PF:0.9346 Freq:0Hz Lamp Flux:804.81x1 lm		
NAME: BR30-7.5-850-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

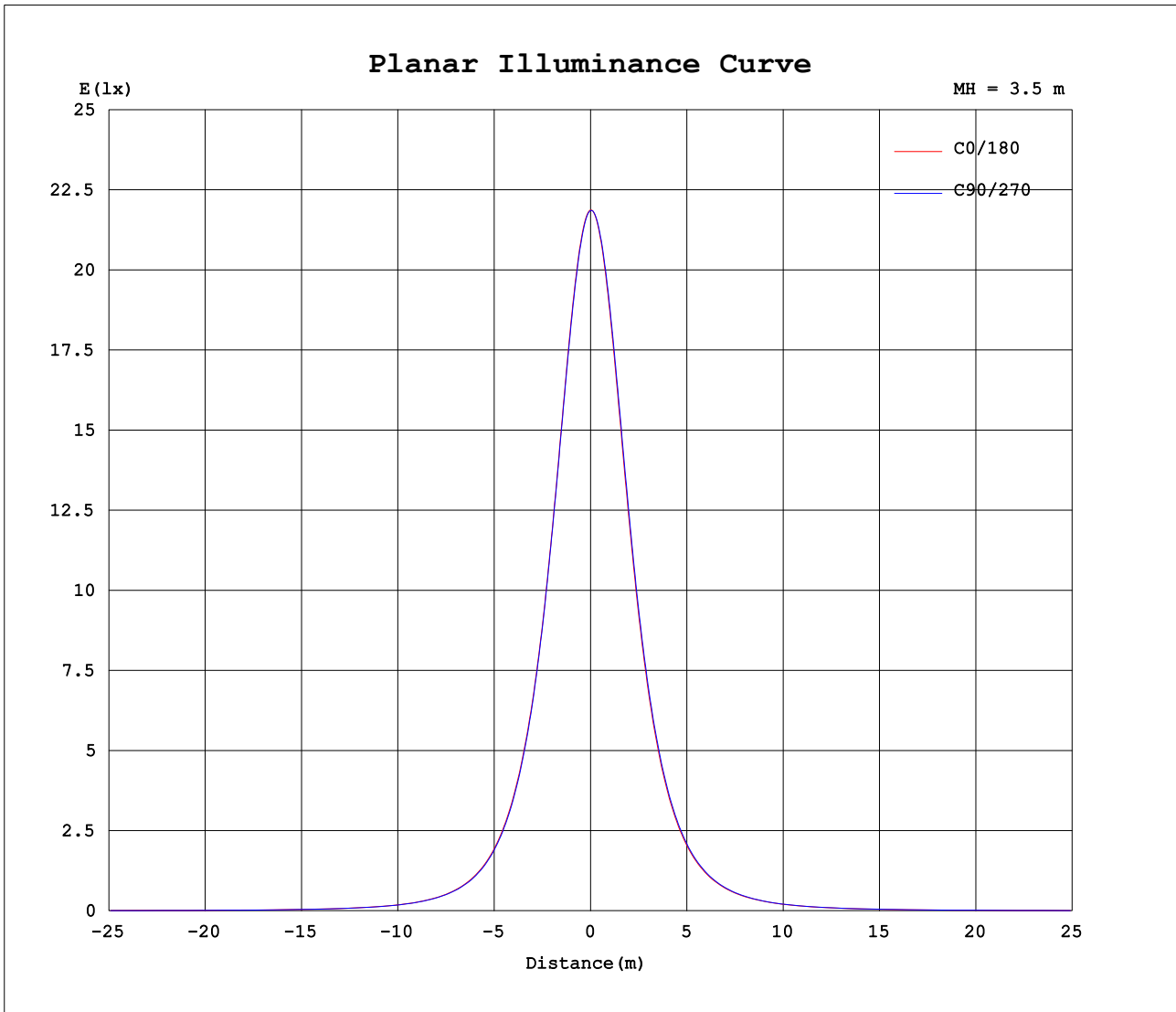
AvgL	cd/m2
L_0~180 (65) av	41472
L_0~180 (75) av	41785
L_0~180 (85) av	69992
L_90~270 (65) av	41580
L_90~270 (75) av	41880
L_90~270 (85) av	70239
L_45 (65) av	41647
L_45 (75) av	41913
L_45 (85) av	70261

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZMB
Test Date:2019-06-21

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:ZMB
 Test Date:2019-06-21

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:0.0625A P:7.010W PF:0.9346 Freq:0Hz Lamp Flux:804.81x1 lm		
NAME: BR30-7.5-850-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	268	268	268	268	268	268	268	267	268	268	268	268	268	268	268	267			
5	266	266	265	265	265	266	266	266	267	268	268	268	268	267	267	266			
10	262	261	261	261	261	262	262	263	264	265	265	266	265	265	264	263			
15	256	255	254	254	254	255	256	257	259	260	261	261	261	260	258	257			
20	246	245	244	244	245	246	247	249	251	253	254	254	254	252	250	248			
25	235	233	232	232	233	235	236	238	241	243	244	244	244	242	240	237			
30	220	219	218	218	219	221	223	225	228	230	231	232	231	229	226	223			
35	204	203	202	202	203	205	207	209	212	214	216	217	216	214	211	207			
40	187	185	184	184	185	187	189	191	195	197	199	199	198	196	193	190			
45	168	166	165	165	166	167	170	172	175	178	180	180	179	177	174	171			
50	148	146	145	144	145	147	149	151	154	157	159	159	158	156	154	151			
55	126	124	123	123	123	125	127	129	133	135	137	137	136	134	132	129			
60	104	102	101	101	102	103	106	108	111	113	115	115	113	112	109	107			
65	83.6	81.9	81.1	81.1	81.9	83.5	85.7	87.7	90.3	92.5	93.9	93.8	92.4	90.6	88.6	86.1			
70	65.8	64.4	63.7	63.6	64.5	66.1	67.9	69.8	72.1	73.9	75.1	74.9	73.7	72.1	70.2	68.1			
75	50.8	49.6	49.0	49.1	49.8	51.1	52.8	54.4	56.5	58.0	58.9	58.8	57.8	56.3	54.6	52.6			
80	38.3	37.4	36.8	36.9	37.5	38.6	40.0	41.4	43.1	44.4	45.1	45.0	44.2	42.9	41.4	39.8			
85	28.3	27.5	27.2	27.2	27.7	28.6	29.7	30.9	32.2	33.2	33.8	33.8	33.1	32.0	30.8	29.5			
90	20.7	20.1	19.8	19.8	20.2	20.9	21.7	22.7	23.7	24.5	24.9	24.9	24.4	23.5	22.6	21.6			
95	15.2	14.8	14.7	14.7	15.0	15.4	16.0	16.6	17.4	18.0	18.3	18.3	17.9	17.3	16.5	15.8			
100	11.6	11.4	11.3	11.4	11.6	11.9	12.3	12.7	13.1	13.5	13.8	13.7	13.4	13.0	12.5	12.0			
105	9.20	9.02	8.98	9.03	9.18	9.43	9.72	10.0	10.4	10.6	10.8	10.7	10.5	10.2	9.84	9.49			
110	7.28	7.15	7.12	7.17	7.30	7.51	7.74	7.99	8.27	8.48	8.59	8.54	8.36	8.10	7.79	7.51			
115	5.74	5.64	5.62	5.66	5.78	5.96	6.15	6.35	6.57	6.74	6.81	6.77	6.62	6.39	6.14	5.91			
120	4.48	4.40	4.39	4.43	4.54	4.68	4.84	5.00	5.19	5.32	5.38	5.34	5.21	5.00	4.78	4.60			
125	3.45	3.39	3.38	3.42	3.52	3.63	3.75	3.89	4.03	4.13	4.18	4.14	4.03	3.87	3.69	3.55			
130	2.61	2.56	2.54	2.58	2.67	2.77	2.86	2.97	3.09	3.17	3.21	3.18	3.09	2.95	2.80	2.69			
135	1.92	1.88	1.86	1.90	1.98	2.07	2.13	2.22	2.32	2.39	2.41	2.39	2.32	2.20	2.07	1.98			
140	1.37	1.33	1.31	1.35	1.43	1.50	1.55	1.62	1.70	1.75	1.76	1.75	1.69	1.60	1.49	1.42			
145	0.93	0.89	0.87	0.91	0.98	1.04	1.08	1.13	1.19	1.23	1.24	1.22	1.18	1.11	1.02	0.96			
150	0.57	0.55	0.52	0.57	0.63	0.68	0.71	0.75	0.79	0.81	0.81	0.80	0.76	0.72	0.65	0.60			
155	0.31	0.29	0.28	0.31	0.36	0.40	0.43	0.45	0.48	0.49	0.48	0.46	0.43	0.41	0.38	0.34			
160	0.14	0.13	0.13	0.15	0.18	0.21	0.24	0.26	0.25	0.25	0.24	0.22	0.19	0.18	0.18	0.16			
165	0.07	0.07	0.08	0.08	0.09	0.12	0.15	0.16	0.14	0.13	0.11	0.08	0.05	0.05	0.07	0.07			
170	0.05	0.05	0.05	0.05	0.06	0.08	0.09	0.09	0.08	0.08	0.06	0.04	0.03	0.03	0.04	0.04			
175	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02			
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
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γ Range: 0 - 180DEG
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