

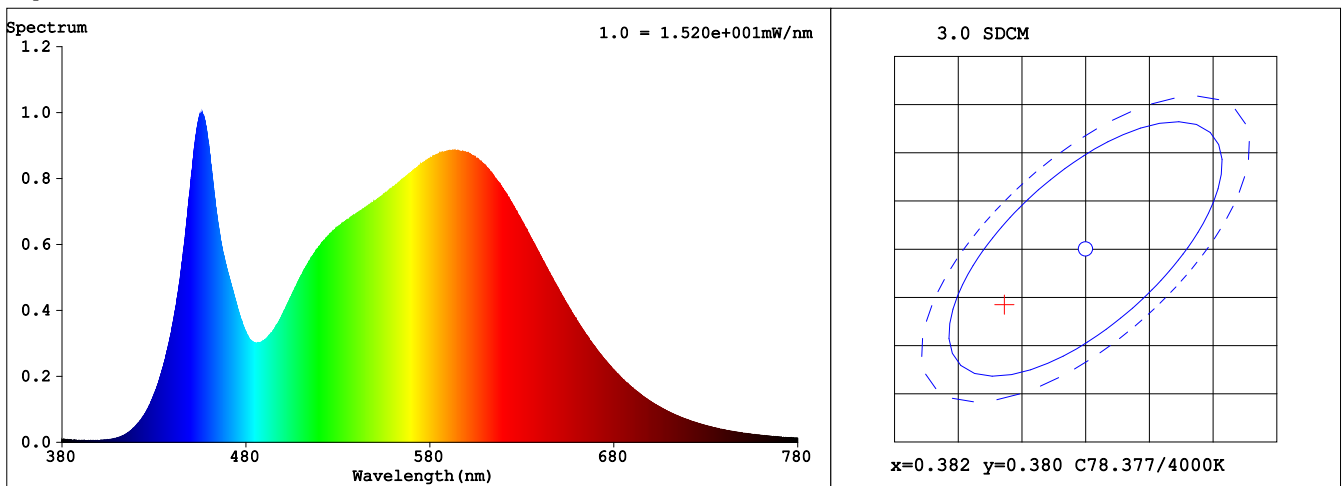
# Spectrum Test Report

Sample	:	Date	: 2019-06-22 06:07:03
Specification	:	Sam. Status	:
Sample No.	: BR30-7.5-840-DIM	Standard	:
Manufacturer	: RAB Lighting Inc	Instrument	: HaasSuite(EVERFINE)
Remark	:	Test by	: huaWenJun (2M)

## Test Condition

Temperature	: 25.1Deg	RH	: 30.1%
WL Range	: 380nm-780nm	IP	: 48478 (74%)
Test Mode	: Fast Test	T	: 236 ms
Sensitivity	: High		

## Spectrum



## Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3754$   $y = 0.3738$  /  $u' = 0.2229$   $v' = 0.4995$  ( $duv=1.28e-04$ )

CCT= 4119K Prpc WL:  $L_d=578.5nm$  Purity=24.8%

Peak WL:  $L_p=456nm$  FWHM: =26.7nm Ratio:R=18.1% G=78.0% B=3.9%

Render Index:  $R_a = 83.6$  TM30:Rf=82 Rg=94

R1 =82 R2 =91 R3 =95 R4 =81 R5 =82 R6 =86 R7 =86

R8 =66 R9 =13 R10=77 R11=79 R12=61 R13=85 R14=98 R15=77

LEVEL:OUT WHITE:ANSI\_4000K

## Photometric & Radiometric Parameters

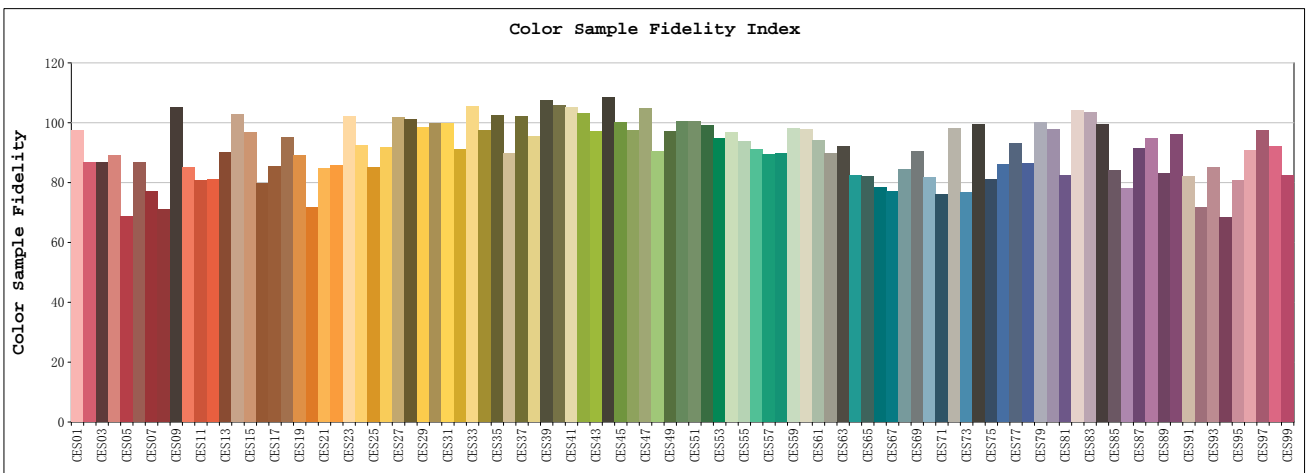
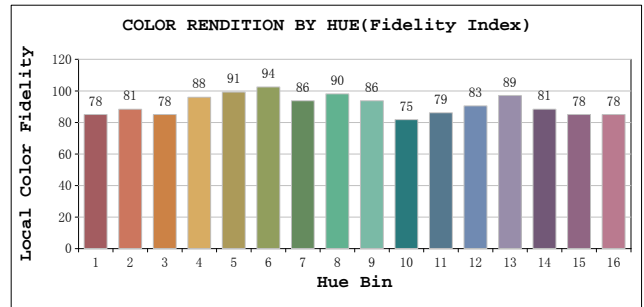
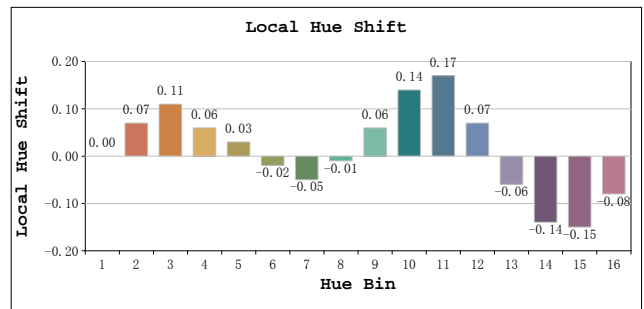
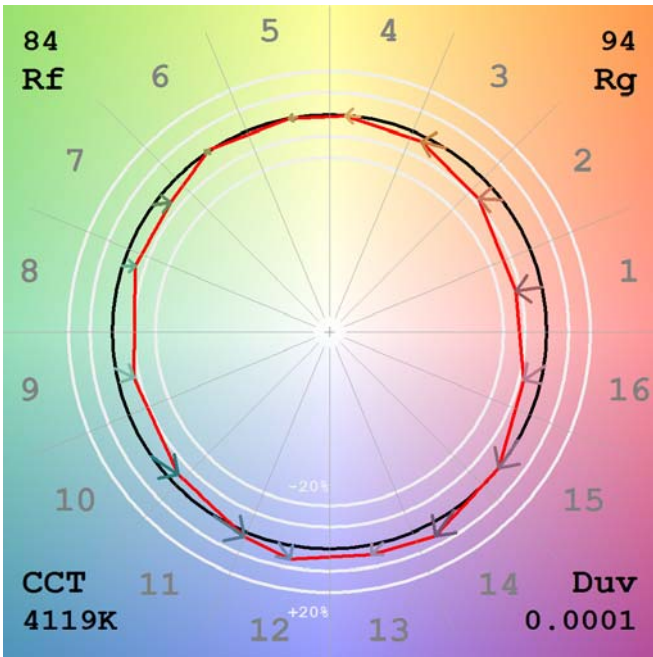
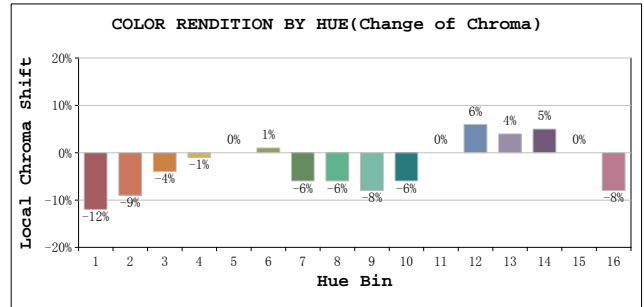
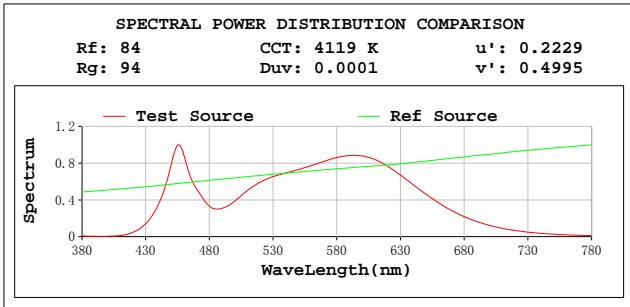
Flux = 788.53 lm Eff. : 112.81 lm/W Fe = 2.4252 W

Flux of emitted photons( $\mu mol/s$ ):11.384 Fluo. and blue light ratio:4.118 Fluorescent eff.:259.5

## Electrical parameters

V = 119.94 V I = 0.06270 A P = 6.990 W PF = 0.9295

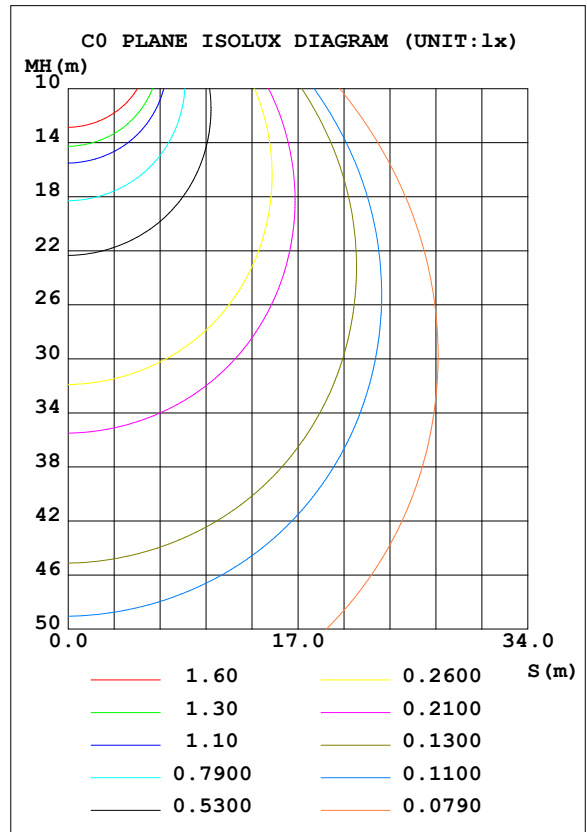
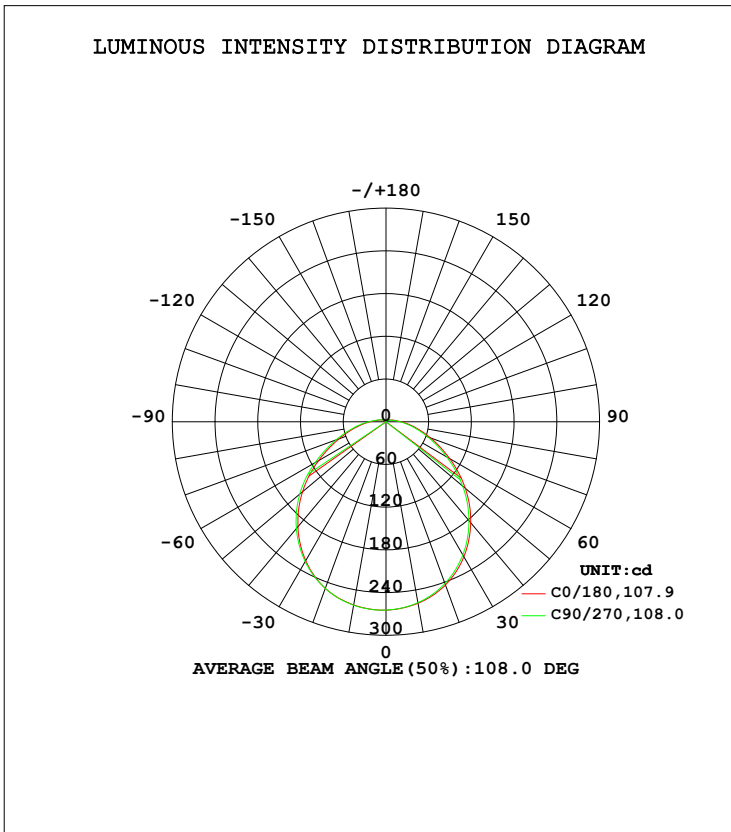
# TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.0623A P:6.980W PF:0.9333 Freq:0Hz Lamp Flux:795.825x1 lm		
NAME: BR30-7.5-840-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.02 lm/W			
MODEL		I <sub>max</sub> (cd)	264.7	S/MH (C0/180)	1.26
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	795.82	η UP, DN (C0-180)	2.4, 45.8
NOMINAL FLUX (lm)	795.825	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.7, 49.0
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:

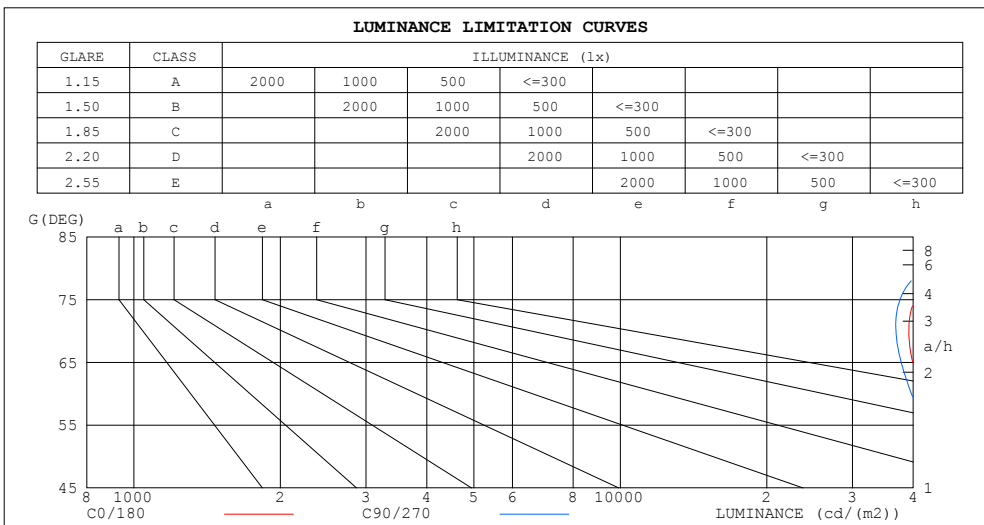
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	262.8	262.2	262.4	263.0	264.0	264.4	264.3	263.4	0- 5	6.309	6.309	0.79,0.79
10	258.8	257.7	258.0	259.4	261.3	262.0	261.7	260.2	5- 10	18.71	25.02	3.14,3.14
15	252.7	250.9	251.2	253.3	256.4	257.4	256.7	254.6	10- 15	30.49	55.51	6.98,6.98
20	244.0	241.6	241.9	244.9	249.1	250.4	249.1	246.8	15- 20	41.22	96.74	12.2,12.2
25	232.7	229.8	230.1	233.6	238.6	240.6	239.3	236.3	20- 25	50.46	147.2	18.5,18.5
30	218.9	215.5	215.9	219.8	225.5	228.2	226.9	223.5	25- 30	57.82	205.0	25.8,25.8
35	202.9	199.1	199.6	203.9	210.0	213.4	212.3	208.4	30- 35	63.02	268.0	33.7,33.7
40	185.1	181.1	181.4	186.1	192.4	196.6	195.9	191.5	35- 40	65.88	333.9	42,42
45	165.9	161.6	161.6	166.8	173.5	178.4	177.8	173.0	40- 45	66.37	400.3	50.3,50.3
50	145.5	140.9	140.8	146.0	153.0	158.6	158.1	153.0	45- 50	64.50	464.8	58.4,58.4
55	124.2	119.7	119.3	124.4	131.5	137.4	137.0	131.8	50- 55	60.35	525.2	66,66
60	103.2	98.92	98.36	103.0	109.5	115.1	115.0	110.1	55- 60	54.20	579.4	72.8,72.8
65	83.63	79.80	79.21	83.01	88.61	93.73	93.75	89.62	60- 65	46.81	626.2	78.7,78.7
70	66.49	63.11	62.57	65.51	70.19	74.54	74.72	71.44	65- 70	39.11	665.3	83.6,83.6
75	51.73	48.84	48.23	50.56	54.52	58.20	58.44	55.87	70- 75	31.72	697.0	87.6,87.6
80	39.40	37.01	36.39	38.17	41.27	44.29	44.63	42.61	75- 80	24.96	722.0	90.7,90.7
85	29.38	27.49	26.92	28.23	30.59	33.01	33.35	31.85	80- 85	19.07	741.0	93.1,93.1
90	21.56	20.16	19.72	20.61	22.34	24.17	24.50	23.41	85- 90	14.18	755.2	94.9,94.9
95	15.91	15.00	14.68	15.20	16.35	17.64	17.88	17.14	90- 95	10.38	765.6	96.2,96.2
100	12.17	11.63	11.41	11.69	12.39	13.22	13.36	12.92	95-100	7.688	773.3	97.2,97.2
105	9.643	9.254	9.084	9.274	9.772	10.34	10.42	10.14	100-105	5.875	779.2	97.9,97.9
110	7.663	7.366	7.240	7.384	7.770	8.198	8.272	8.053	105-110	4.552	783.7	98.5,98.5
115	6.067	5.837	5.742	5.846	6.149	6.482	6.548	6.371	110-115	3.501	787.2	98.9,98.9
120	4.774	4.588	4.510	4.579	4.798	5.088	5.144	4.995	115-120	2.652	789.9	99.3,99.3
125	3.714	3.561	3.494	3.531	3.705	3.929	3.995	3.877	120-125	1.966	791.8	99.5,99.5
130	2.843	2.717	2.659	2.676	2.816	2.995	3.063	2.962	125-130	1.424	793.2	99.7,99.7
135	2.122	2.015	1.977	1.978	2.093	2.230	2.300	2.215	130-135	0.9982	794.2	99.8,99.8
140	1.544	1.451	1.431	1.421	1.504	1.602	1.676	1.604	135-140	0.6726	794.9	99.9,99.9
145	1.079	0.9970	0.9899	0.9716	1.026	1.091	1.166	1.113	140-145	0.4295	795.3	99.9,99.9
150	0.7053	0.6351	0.6392	0.6153	0.6431	0.6777	0.7518	0.7240	145-150	0.2534	795.6	100,100
155	0.4199	0.3617	0.3738	0.3503	0.3506	0.3614	0.4243	0.4277	150-155	0.1329	795.7	100,100
160	0.2191	0.1885	0.1923	0.1766	0.1514	0.1420	0.1786	0.2169	155-160	0.0585	795.8	100,100
165	0.1143	0.1155	0.1007	0.0905	0.0603	0.0438	0.0496	0.0937	160-165	0.0211	795.8	100,100
170	0.0665	0.0739	0.0664	0.0518	0.0379	0.0348	0.0328	0.0466	165-170	0.0080	795.8	100,100
175	0.0290	0.0274	0.0318	0.0219	0.0214	0.0207	0.0188	0.0198	170-175	0.0029	795.8	100,100
180	0.0007	0.0007	0	0	0.0004	0.0007	0.0006	0.0007	175-180	0.0003	795.8	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:0.0623A P:6.980W PF:0.9333 Freq:0Hz Lamp Flux:795.825x1 lm		
NAME: BR30-7.5-840-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	67964	62264
80	45740	42254
75	40293	37571
70	39195	36881
65	39897	37787
60	41604	39659
55	43674	41951
50	45645	44161
45	47309	46089

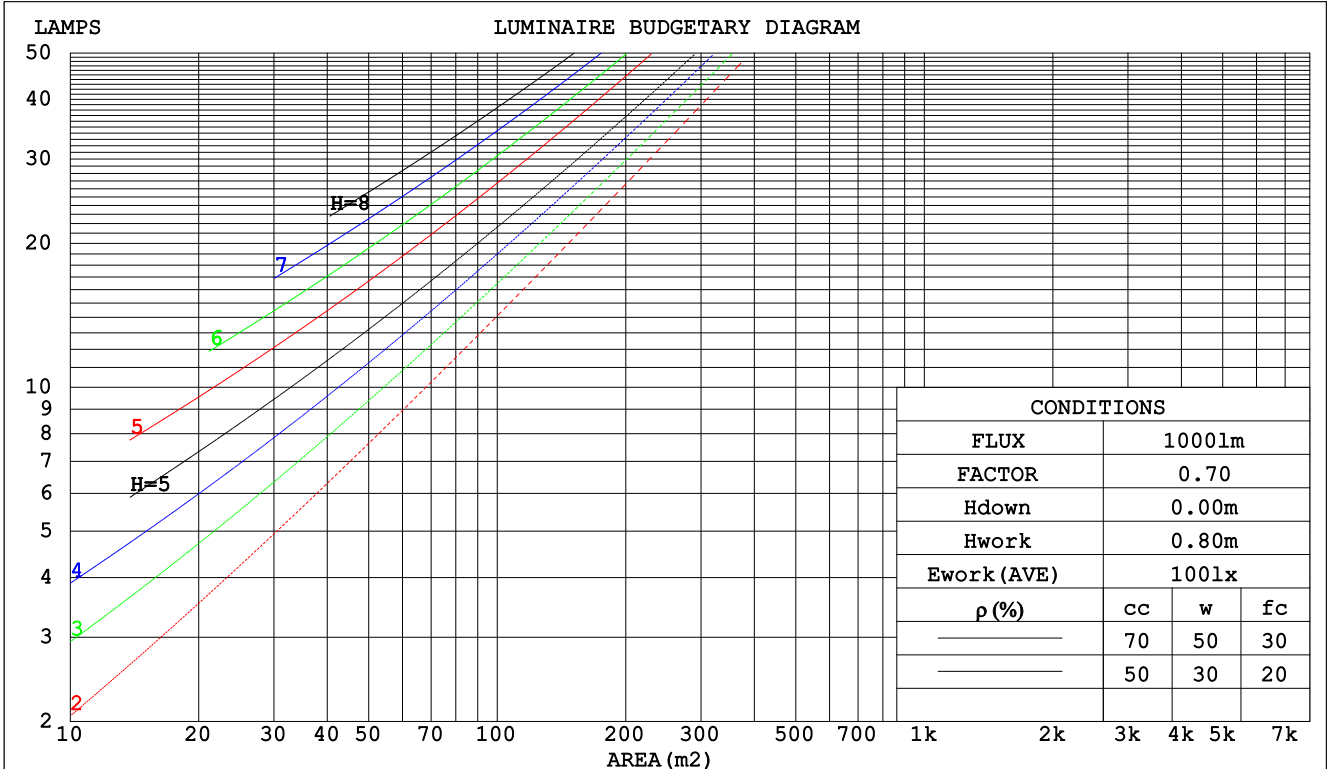
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZMB  
 Test Date:2019-06-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 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:0.0623A P:6.980W PF:0.9333 Freq:0Hz Lamp Flux:795.825x1 lm		
NAME: BR30-7.5-840-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	1.03	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	.79	.74	.82	.76	.71	.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	.39	.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	.41	.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:0.0623A P:6.980W PF:0.9333 Freq:0Hz Lamp Flux:795.825x1 lm		
NAME: BR30-7.5-840-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	.176	.056	.291	.168	.054	.277	.161	.052	
2.0	.300	.165	.050	.293	.161	.050	.278	.155	.048	.265	.149	.046	.252	.143	.045	
3.0	.274	.146	.044	.267	.143	.043	.254	.138	.042	.242	.133	.041	.231	.128	.040	
4.0	.251	.130	.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	.196	.105	.032	
6.0	.213	.107	.031	.208	.105	.030	.199	.102	.030	.190	.099	.029	.182	.096	.028	
7.0	.198	.098	.028	.194	.097	.028	.185	.094	.027	.178	.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	.142	.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	.018	.013	
4.0	.197	.141	.098	.169	.122	.085	.116	.085	.060	.067	.050	.035	.022	.016	.012	
5.0	.190	.131	.087	.163	.113	.076	.112	.079	.054	.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	.074	.151	.100	.064	.104	.070	.045	.061	.041	.027	.020	.014	.009	
8.0	.169	.110	.069	.145	.095	.060	.101	.067	.043	.059	.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	.101	.063	.135	.087	.055	.094	.061	.039	.055	.036	.023	.018	.012	.008	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
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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

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.0623A P:6.980W PF:0.9333 Freq:0Hz Lamp Flux:795.825x1 lm										
NAME: BR30-7.5-840-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	26.7	25.6	27.0	27.3	25.1	26.6	25.4	26.9	27.2
3H	26.8	28.1	27.2	28.5	28.8	26.6	27.9	26.9	28.2	28.6
4H	27.5	28.8	27.9	29.1	29.5	27.2	28.5	27.6	28.9	29.2
6H	28.2	29.4	28.6	29.8	30.2	27.9	29.1	28.3	29.5	29.9
8H	28.6	29.8	29.0	30.2	30.6	28.3	29.4	28.7	29.8	30.2
12H	29.0	30.2	29.5	30.6	31.0	28.7	29.8	29.1	30.2	30.6
4H 2H	25.8	27.1	26.2	27.4	27.8	25.7	26.9	26.0	27.3	27.6
3H	27.5	28.6	27.9	29.0	29.4	27.3	28.4	27.7	28.8	29.2
4H	28.4	29.4	28.8	29.8	30.3	28.2	29.2	28.6	29.6	30.0
6H	29.3	30.2	29.8	30.7	31.1	29.0	29.9	29.5	30.4	30.9
8H	29.8	30.6	30.3	31.1	31.6	29.5	30.3	30.0	30.8	31.3
12H	30.3	31.1	30.8	31.6	32.1	30.0	30.8	30.5	31.3	31.8
8H 4H	28.7	29.6	29.2	30.0	30.5	28.5	29.4	29.0	29.8	30.3
6H	29.8	30.6	30.4	31.1	31.6	29.6	30.3	30.1	30.8	31.3
8H	30.5	31.1	31.0	31.6	32.2	30.2	30.8	30.7	31.4	31.9
12H	31.2	31.8	31.8	32.3	32.9	30.9	31.5	31.5	32.0	32.6
12H 4H	28.7	29.5	29.3	30.0	30.5	28.6	29.3	29.1	29.8	30.3
6H	30.0	30.6	30.5	31.1	31.7	29.7	30.4	30.3	30.9	31.5
8H	30.7	31.2	31.2	31.8	32.4	30.4	31.0	31.0	31.5	32.1
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, 795.8 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:0.0623A P:6.980W PF:0.9333 Freq:0Hz Lamp Flux:795.825x1 lm		
NAME: BR30-7.5-840-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

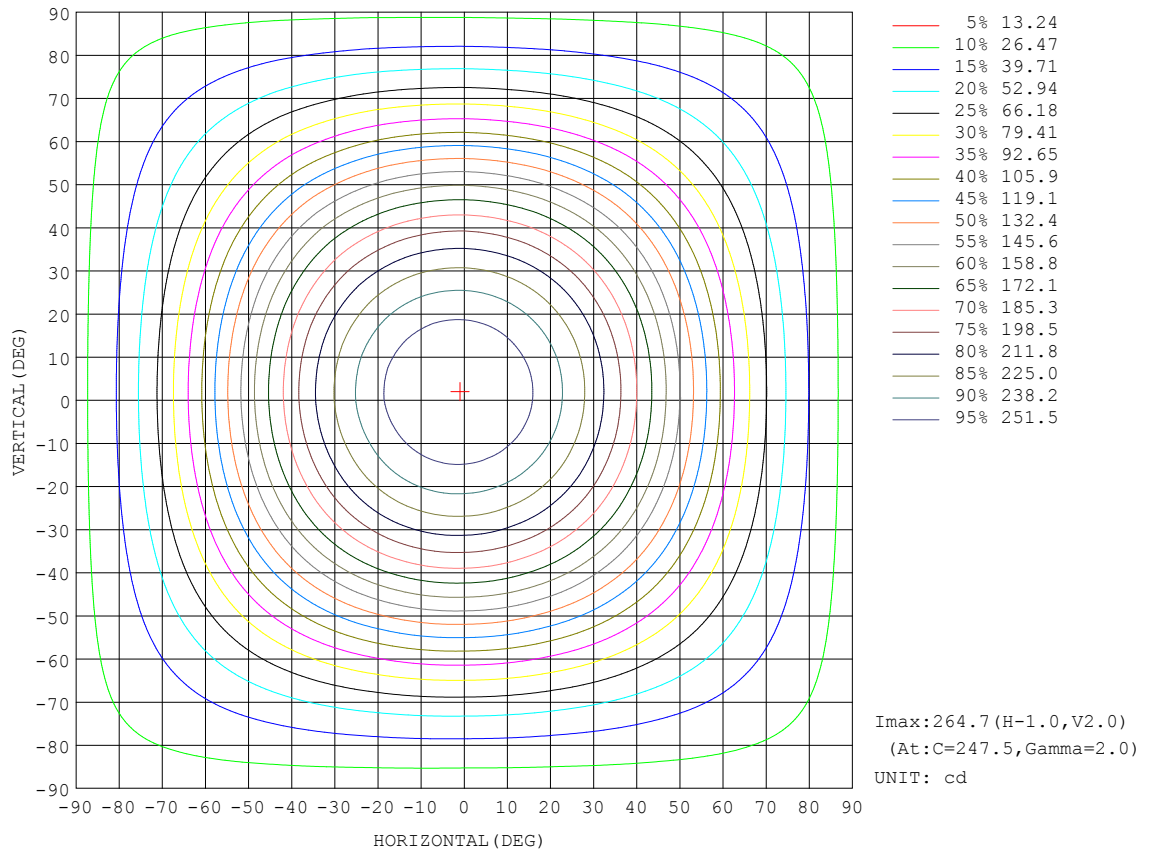
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	43	37	30
0.80	65	54	46	64	53	46	62	52	46	38
1.00	74	62	55	72	61	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	68
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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.0623A P:6.980W PF:0.9333 Freq:0Hz Lamp Flux:795.825x1 lm		
NAME: BR30-7.5-840-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

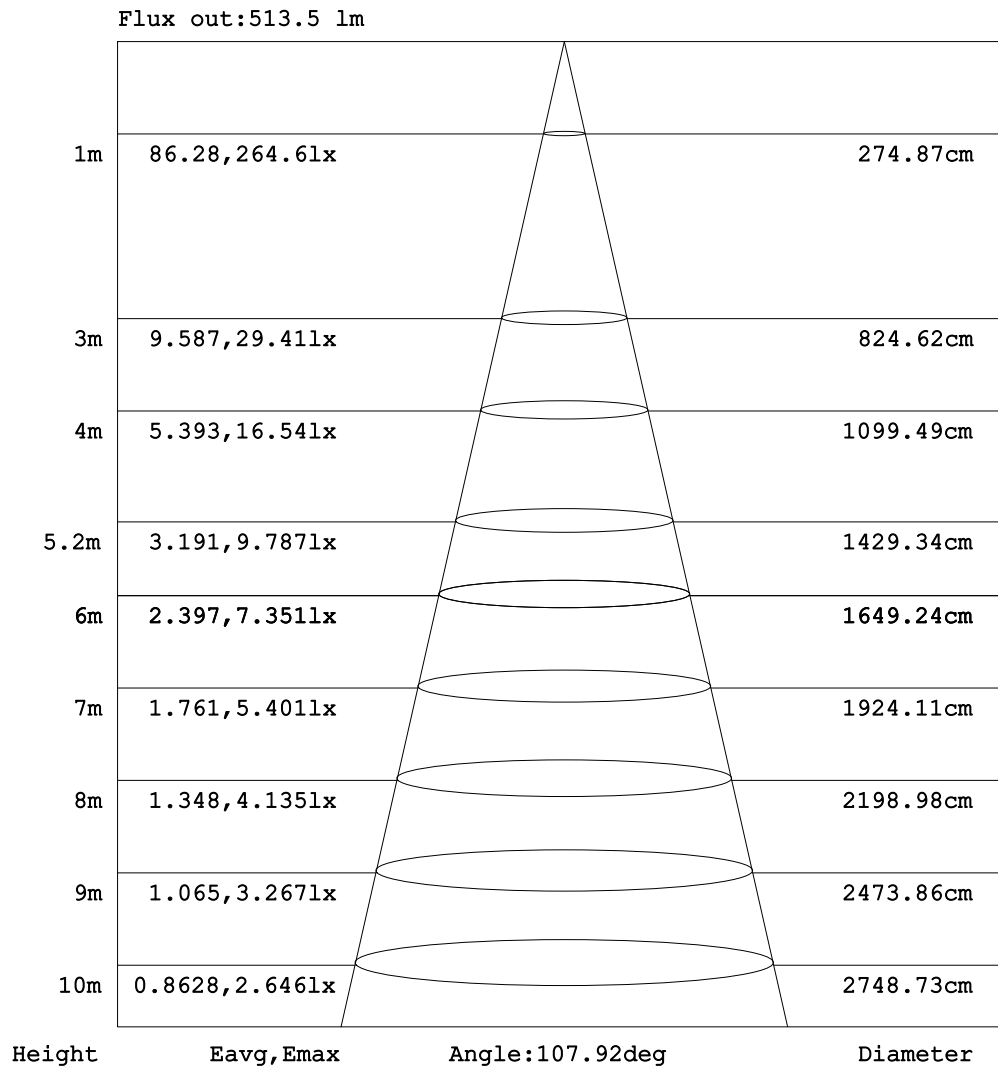


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZMB  
 Test Date:2019-06-21

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:0.0623A P:6.980W PF:0.9333 Freq:0Hz Lamp Flux:795.825x1 lm		
NAME: BR30-7.5-840-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



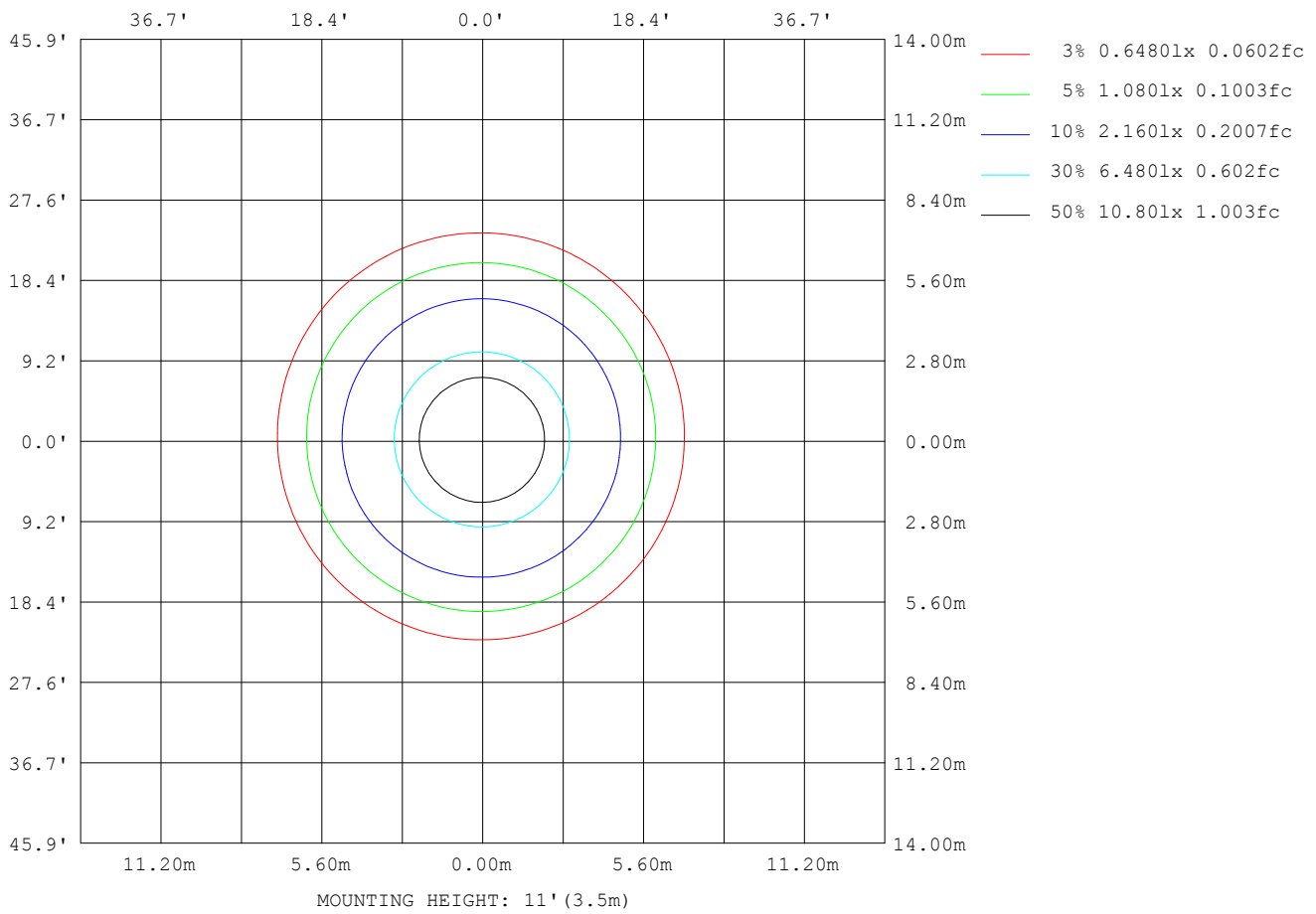
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0623A P:6.980W PF:0.9333 Freq:0Hz Lamp Flux:795.825x1 lm		
NAME: BR30-7.5-840-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:0.0623A P:6.980W PF:0.9333 Freq:0Hz Lamp Flux:795.825x1 lm		
NAME: BR30-7.5-840-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

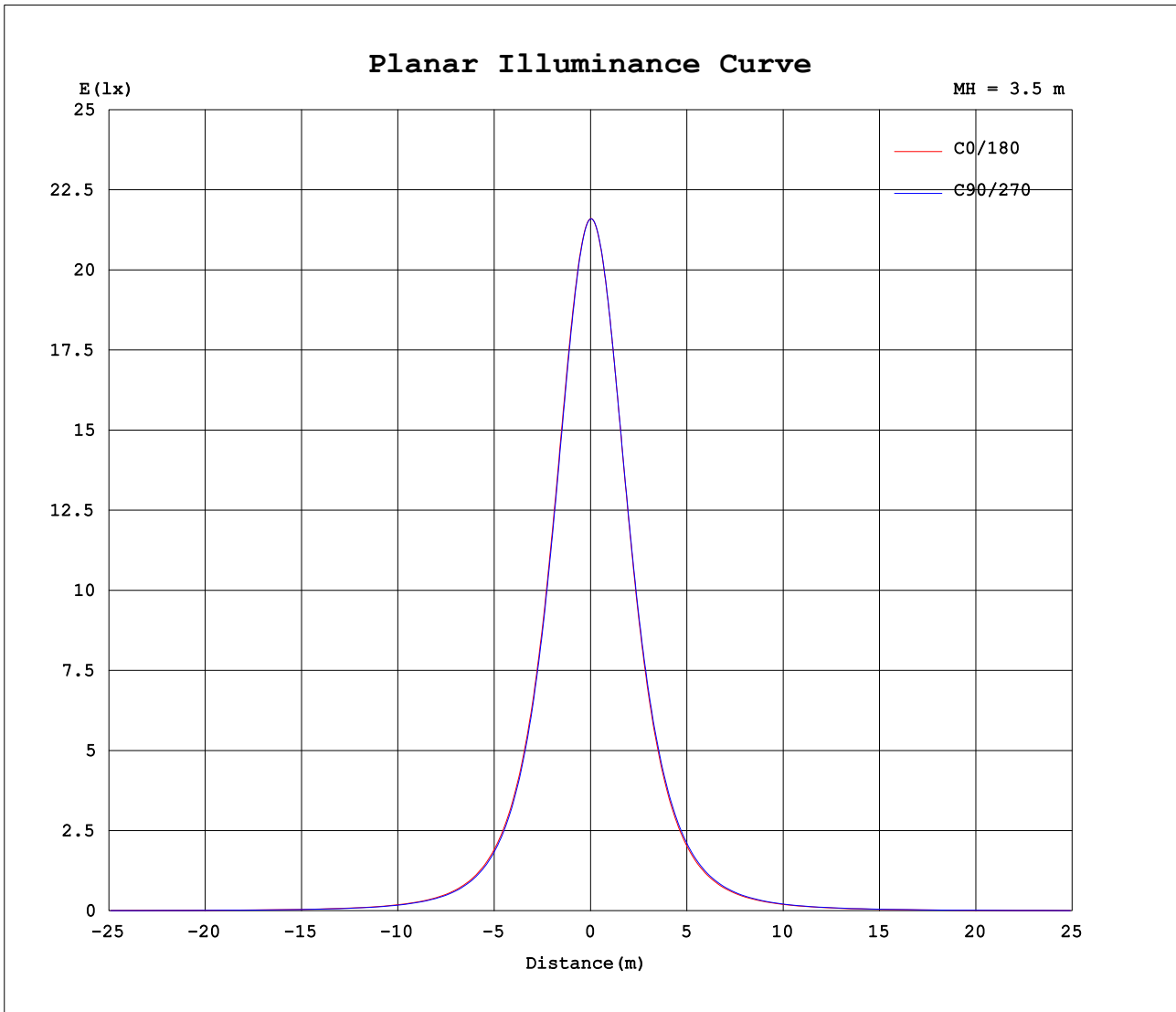
AvgL	cd/m2
L_0~180 (65) av	41084
L_0~180 (75) av	41381
L_0~180 (85) av	69368
L_90~270 (65) av	41256
L_90~270 (75) av	41548
L_90~270 (85) av	69701
L_45 (65) av	41285
L_45 (75) av	41572
L_45 (85) av	69738

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.0623A P:6.980W PF:0.9333 Freq:0Hz Lamp Flux:795.825x1 lm		
NAME: BR30-7.5-840-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	265	264	264	265	265	264	264	264	265	264	264	265	265	264	264	264			
5	263	262	262	262	262	263	263	263	264	264	264	264	264	264	263	263			
10	259	258	258	258	258	259	259	260	261	262	262	262	262	261	260	259			
15	253	252	251	251	251	252	253	255	256	257	257	257	257	256	255	254			
20	244	243	242	241	242	243	245	247	249	250	250	250	249	248	247	246			
25	233	231	230	229	230	232	234	236	239	240	241	240	239	238	236	235			
30	219	217	216	215	216	218	220	222	225	227	228	228	227	225	223	221			
35	203	201	199	199	200	201	204	207	210	212	213	213	212	211	208	206			
40	185	183	181	181	181	183	186	189	192	195	197	197	196	194	191	188			
45	166	163	162	161	162	164	167	170	173	176	178	179	178	176	173	170			
50	146	143	141	140	141	143	146	149	153	156	159	159	158	156	153	149			
55	124	121	120	119	119	121	124	128	132	135	137	138	137	135	132	128			
60	103	101	98.9	98.1	98.4	100	103	106	109	113	115	116	115	113	110	107			
65	83.6	81.4	79.8	79.0	79.2	80.5	83.0	85.7	88.6	91.4	93.7	94.4	93.8	92.1	89.6	86.6			
70	66.5	64.6	63.1	62.4	62.6	63.6	65.5	67.7	70.2	72.6	74.5	75.2	74.7	73.4	71.4	69.0			
75	51.7	50.1	48.8	48.2	48.2	49.1	50.6	52.3	54.5	56.6	58.2	58.8	58.4	57.5	55.9	53.8			
80	39.4	38.1	37.0	36.4	36.4	37.0	38.2	39.6	41.3	42.9	44.3	44.8	44.6	43.9	42.6	41.1			
85	29.4	28.3	27.5	27.0	26.9	27.4	28.2	29.3	30.6	31.9	33.0	33.5	33.3	32.8	31.9	30.7			
90	21.6	20.8	20.2	19.8	19.7	20.0	20.6	21.4	22.3	23.3	24.2	24.5	24.5	24.1	23.4	22.5			
95	15.9	15.4	15.0	14.7	14.7	14.9	15.2	15.7	16.3	17.0	17.6	17.9	17.9	17.6	17.1	16.5			
100	12.2	11.9	11.6	11.5	11.4	11.5	11.7	12.0	12.4	12.8	13.2	13.4	13.4	13.2	12.9	12.6			
105	9.64	9.42	9.25	9.14	9.08	9.14	9.27	9.47	9.77	10.1	10.3	10.4	10.4	10.3	10.1	9.90			
110	7.66	7.49	7.37	7.28	7.24	7.28	7.38	7.54	7.77	8.00	8.20	8.28	8.27	8.19	8.05	7.86			
115	6.07	5.93	5.84	5.76	5.74	5.77	5.85	5.97	6.15	6.33	6.48	6.55	6.55	6.48	6.37	6.22			
120	4.77	4.67	4.59	4.53	4.51	4.53	4.58	4.67	4.80	4.95	5.09	5.14	5.14	5.10	5.00	4.88			
125	3.71	3.63	3.56	3.51	3.49	3.50	3.53	3.59	3.71	3.83	3.93	3.98	4.00	3.95	3.88	3.80			
130	2.84	2.77	2.72	2.67	2.66	2.66	2.68	2.72	2.82	2.92	2.99	3.05	3.06	3.03	2.96	2.90			
135	2.12	2.06	2.01	1.98	1.98	1.98	1.98	2.01	2.09	2.17	2.23	2.28	2.30	2.27	2.22	2.17			
140	1.54	1.50	1.45	1.43	1.43	1.43	1.42	1.44	1.50	1.56	1.60	1.64	1.68	1.65	1.60	1.58			
145	1.08	1.04	1.00	0.98	0.99	0.99	0.97	0.98	1.03	1.06	1.09	1.13	1.17	1.16	1.11	1.10			
150	0.71	0.67	0.64	0.62	0.64	0.63	0.62	0.62	0.64	0.67	0.68	0.71	0.75	0.75	0.72	0.71			
155	0.42	0.40	0.36	0.36	0.37	0.37	0.35	0.35	0.35	0.36	0.36	0.38	0.42	0.44	0.43	0.41			
160	0.22	0.21	0.19	0.18	0.19	0.19	0.18	0.17	0.15	0.15	0.14	0.15	0.18	0.21	0.22	0.21			
165	0.11	0.12	0.12	0.11	0.10	0.10	0.09	0.08	0.06	0.06	0.04	0.05	0.05	0.07	0.09	0.10			
170	0.07	0.07	0.07	0.07	0.07	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.04	0.05	0.06			
175	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	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  
 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%  
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 Remarks: