

Sample : PAR30S-11-930-25D-DIM  
Specification :  
Sample No. :  
Manufacturer : RAB Lighting Inc.  
Assessor : cuiquan  
Remark :  
Device SN :

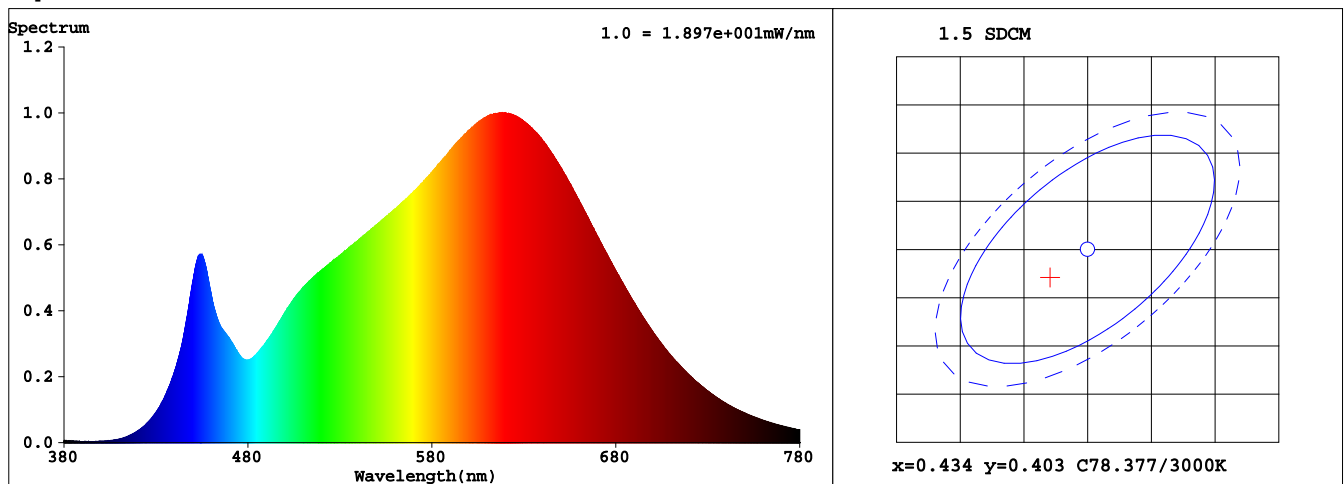
Date : 2020-04-18 14:54:02  
Sam. Status :  
Standard : LM-79-80  
Instrument : HaasSuite(EVERFINE)  
Test by :

### Test Condition

Temperature : 26.9Deg  
WL Range : 380nm-780nm  
Test Mode : Fast Test  
Sensitivity : High

RH : 30.1%  
IP : 48864 (75%)  
T : 184 ms

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4309$   $y = 0.4003$  /  $u' = 0.2483$   $v' = 0.5190$  ( $duv = -6.74e-04$ )  
CCT= 3073K Prcp WL: Ld=582.8nm Purity=49.5%  
Peak WL: Lp=620nm FWHM: =166.7nm Ratio:R=23.8% G=73.2% B=3.0%  
Render Index: Ra = 92.5 TM30:Rf=92 Rg=99

EEL: 0.13806 A+

R1 =93 R2 =96 R3 =98 R4 =92 R5 =92 R6 =95 R7 =92  
R8 =81 R9 =58 R10=91 R11=93 R12=81 R13=94 R14=99 R15=89  
LEVEL:OUT WHITE:ANSI\_3000K

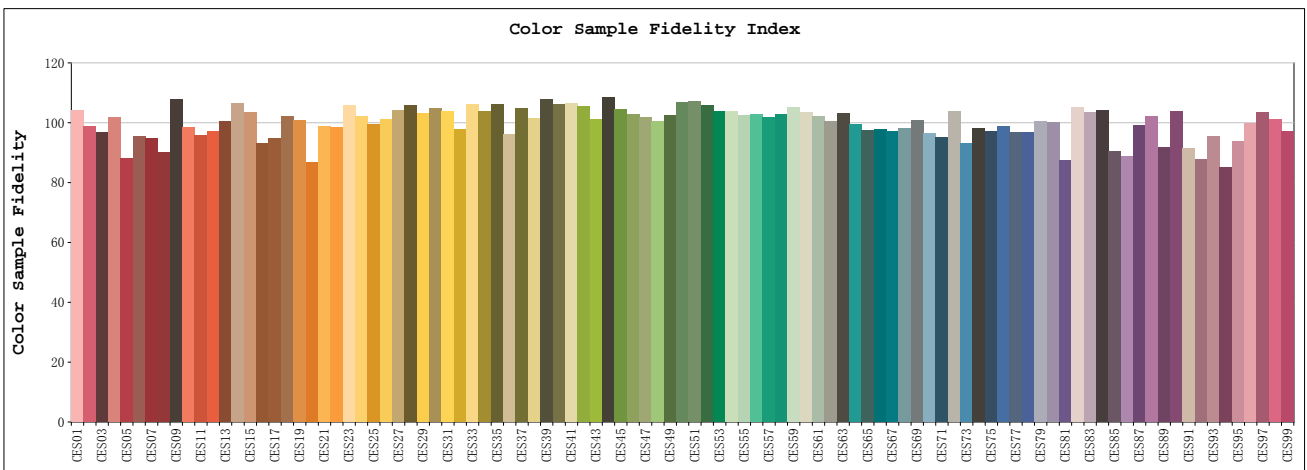
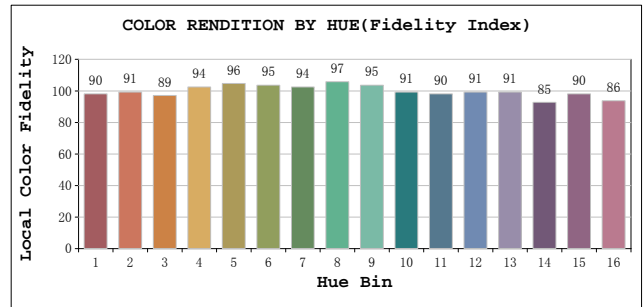
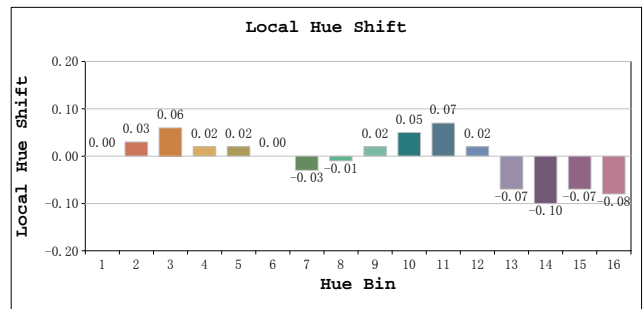
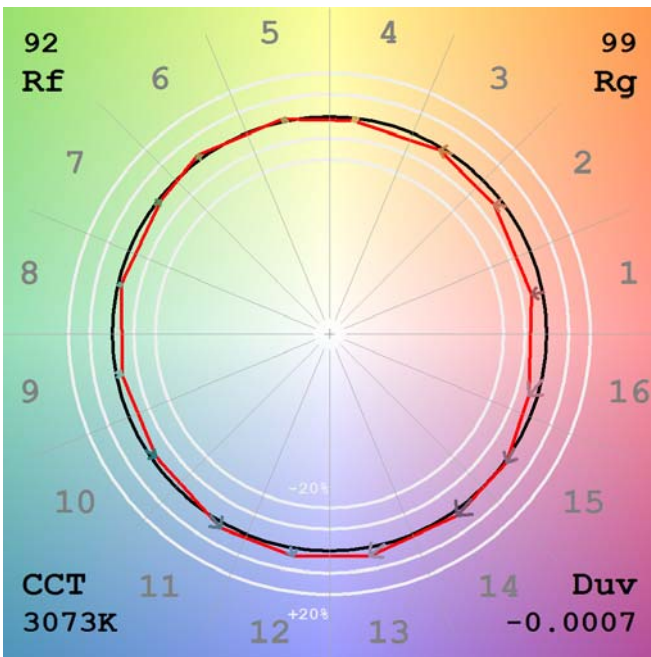
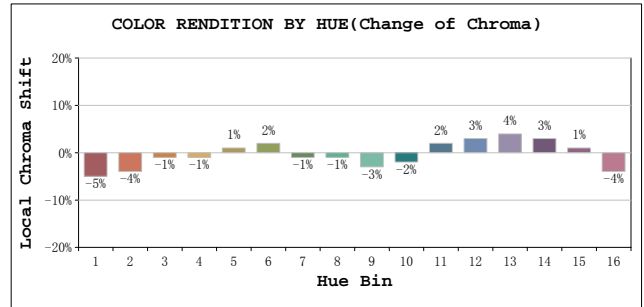
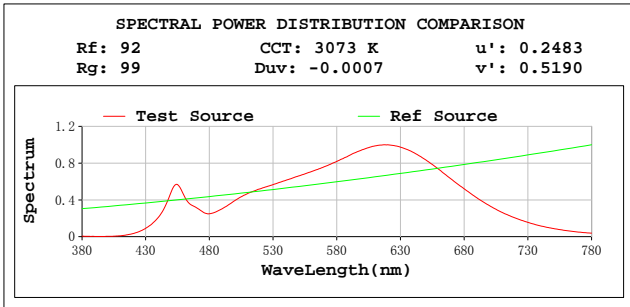
### Photometric & Radiometric Parameters

Flux = 973.89 lm Eff. : 93.82 lm/W Fe = 3.3837 W  
Flux of emitted photons( $\mu\text{mol/s}$ ):16.713 Fluo. and blue light ratio:9.387 Fluorescent eff.:283.6

### Electrical parameters

V = 119.96 V I = 0.08990 A P = 10.38 W PF = 0.9625

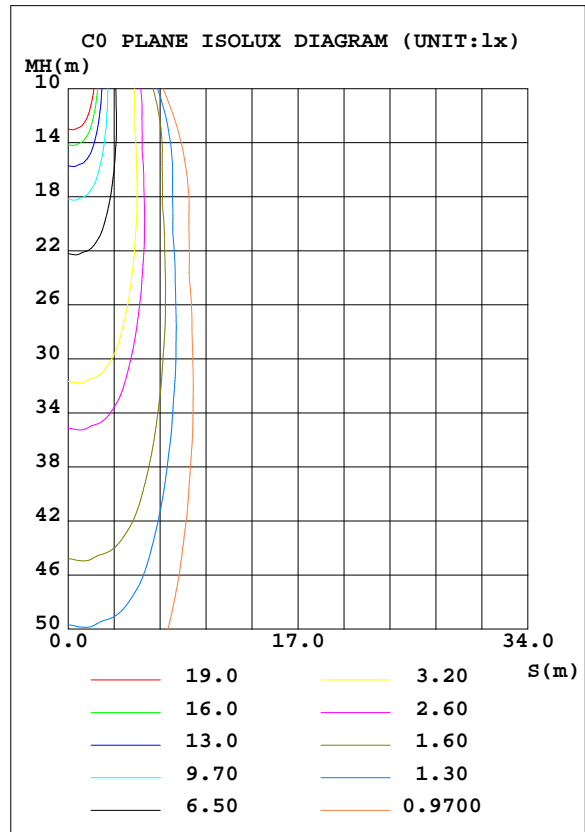
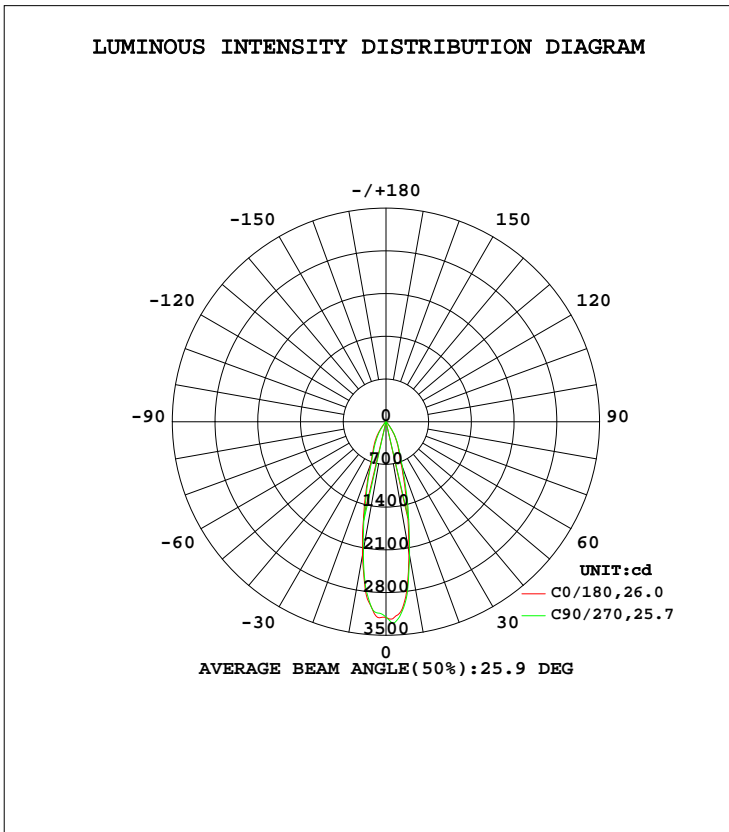
# TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: PAR30S-11-930-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA Eff: 97.75 lm/W			
MODEL	P30	Imax(cd)	3304	S/MH(C0/180)	0.45
NOMINAL POWER(W)	11	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1014.6	$\eta$ UP, DN(C0-180)	0.0, 51.7
NOMINAL FLUX(lm)	1014.59	CIE CLASS	DIRECT	$\eta$ UP, DN(C180-360)	0.0, 48.3
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	$\eta$ down(%)	100.0	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

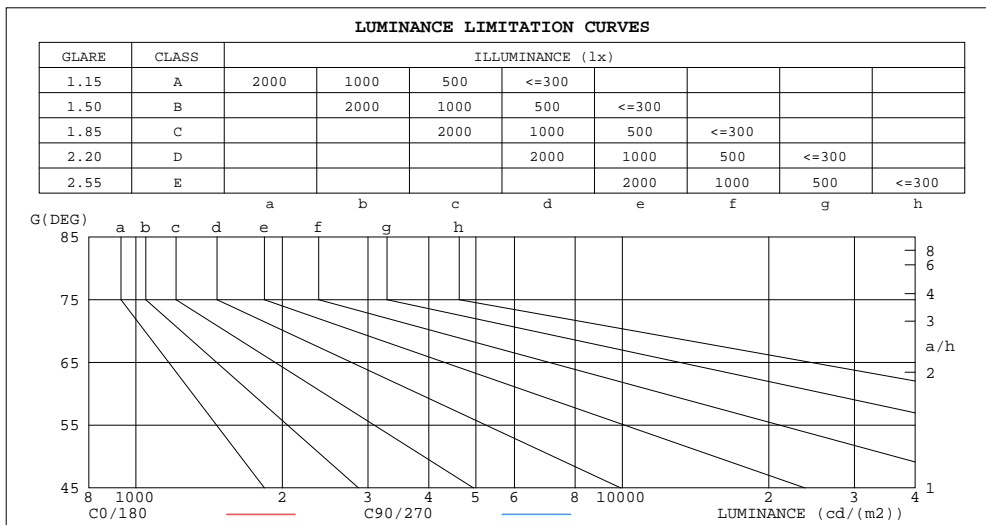
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	3072	3106	3105	3109	3006	3019	2994	2961	0- 5	75.53	75.53	7.44,7.44
10	2173	2193	2225	2291	2223	2170	2138	2076	5- 10	186.8	262.3	25.9,25.9
15	1277	1307	1365	1398	1341	1295	1264	1202	10- 15	200.9	463.2	45.7,45.7
20	720.5	737.0	794.5	823.5	742.1	721.9	692.9	669.5	15- 20	161.8	625.0	61.6,61.6
25	478.3	485.8	509.0	512.7	490.8	471.5	450.9	436.3	20- 25	123.2	748.2	73.7,73.7
30	325.1	342.4	344.7	347.1	343.5	325.3	291.7	278.8	25- 30	100.7	848.9	83.7,83.7
35	176.6	196.0	196.0	206.5	203.6	189.1	156.9	148.0	30- 35	74.07	923.0	91,91
40	69.55	77.17	75.76	87.09	84.00	75.65	57.32	55.77	35- 40	40.86	963.9	95,95
45	28.06	26.88	24.44	30.75	31.26	25.93	21.61	24.50	40- 45	16.37	980.2	96.6,96.6
50	18.58	16.31	14.05	17.47	19.48	15.58	14.94	18.04	45- 50	8.223	988.5	97.4,97.4
55	12.90	12.58	11.55	13.59	14.16	12.61	12.35	13.04	50- 55	6.598	995.1	98.1,98.1
60	10.06	10.27	9.573	10.04	10.20	10.12	10.13	10.30	55- 60	5.197	1000	98.6,98.6
65	8.770	8.917	8.332	8.520	8.552	8.759	8.706	9.129	60- 65	4.560	1005	99,99
70	6.583	6.705	6.660	6.965	7.327	7.755	7.284	7.455	65- 70	4.163	1009	99.4,99.4
75	3.800	3.954	4.098	4.380	4.346	4.490	4.319	3.907	70- 75	2.901	1012	99.7,99.7
80	2.133	2.240	2.393	2.437	2.447	2.481	2.369	2.172	75- 80	1.692	1014	99.9,99.9
85	0.7056	0.7305	0.6146	1.041	1.026	0.9882	0.8706	0.7693	80- 85	0.8606	1014	100,100
90	0.0013	0.0013	0.0019	0.0015	0.0006	0.0012	0.0009	0.0003	85- 90	0.1403	1015	100,100
95	0.0012	0.0003	0.0012	0.0006	0.0003	0.0012	0.0003	0	90- 95	0.0005	1015	100,100
100	0.0009	0.0003	0.0003	0.0003	0.0003	0.0012	0.0009	0.0000	95-100	0.0004	1015	100,100
105	0.0006	0.0006	0.0006	0.0003	0.0003	0.0009	0.0009	0.0003	100-105	0.0003	1015	100,100
110	0.0006	0.0009	0.0006	0.0009	0.0003	0.0009	0.0003	0.0003	105-110	0.0003	1015	100,100
115	0.0003	0.0006	0.0006	0.0003	0.0003	0.0006	0.0003	0.0009	110-115	0.0003	1015	100,100
120	0.0009	0.0006	0.0009	0.0006	0.0003	0.0006	0.0006	0.0003	115-120	0.0003	1015	100,100
125	0.0003	0.0003	0.0006	0.0006	0	0.0009	0.0009	0.0006	120-125	0.0003	1015	100,100
130	0.0003	0.0012	0.0012	0.0006	0.0009	0.0012	0.0009	0.0006	125-130	0.0003	1015	100,100
135	0.0006	0.0006	0.0003	0.0003	0.0015	0.0012	0.0015	0.0006	130-135	0.0003	1015	100,100
140	0.0012	0.0009	0.0003	0.0009	0.0022	0.0025	0.0015	0.0018	135-140	0.0004	1015	100,100
145	0.0012	0.0009	0.0006	0.0012	0.0031	0.0031	0.0022	0.0025	140-145	0.0005	1015	100,100
150	0.0018	0.0012	0.0006	0.0021	0.0046	0.0034	0.0028	0.0043	145-150	0.0006	1015	100,100
155	0.0034	0.0022	0.0036	0.0037	0.0074	0.0062	0.0055	0.0055	150-155	0.0008	1015	100,100
160	0.0055	0.0046	0.0043	0.0049	0.0108	0.0083	0.0080	0.0074	155-160	0.0011	1015	100,100
165	0.0064	0.0049	0.0049	0.0052	0.0157	0.0089	0.0117	0.0101	160-165	0.0013	1015	100,100
170	0.0058	0.0055	0.0055	0.0052	0.0154	0.0123	0.0157	0.0120	165-170	0.0011	1015	100,100
175	0.0052	0.0055	0.0038	0.0086	0.0157	0.0169	0.0151	0.0154	170-175	0.0007	1015	100,100
180	0.0098	0.0043	0.0051	0.0055	0.0098	0.0079	0.0040	0.0046	175-180	0.0002	1015	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:16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

LUMINANCE LIMITATION CURVES

NAME: PAR30S-11-930-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	27	23
80	41	46
75	49	52
70	64	64
65	69	65
60	66	63
55	74	67
50	96	72
45	131	114

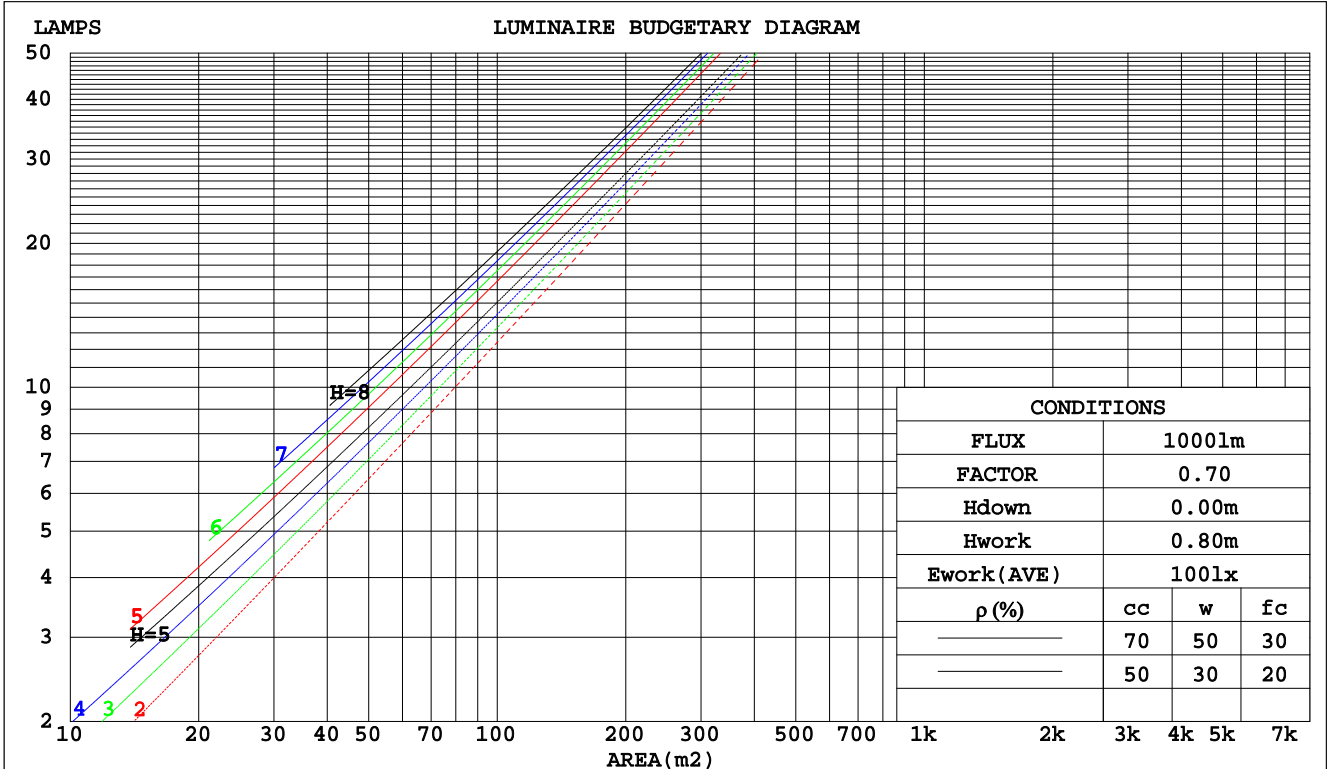
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

$\gamma$  Range: 0 - 180DEG  
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 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: PAR30S-11-930-25D-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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.98	.98	.97	.95
2.0	1.05	1.02	.99	1.04	1.00	.98	1.00	.98	.96	.97	.95	.94	.95	.93	.92	.90
3.0	.00	.95	.92	.98	.94	.91	.96	.92	.90	.93	.91	.88	.91	.89	.87	.86
4.0	.95	.90	.86	.93	.89	.86	.91	.88	.85	.89	.86	.84	.88	.85	.83	.82
5.0	.90	.85	.82	.89	.85	.81	.87	.83	.80	.86	.82	.80	.84	.81	.79	.78
6.0	.86	.81	.77	.85	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.76	.74
7.0	.82	.77	.74	.82	.77	.74	.81	.76	.73	.79	.76	.73	.78	.75	.73	.71
8.0	.79	.74	.71	.78	.74	.70	.77	.73	.70	.77	.73	.70	.76	.72	.70	.69
9.0	.76	.71	.68	.75	.71	.68	.75	.70	.67	.74	.70	.67	.73	.70	.67	.66
10.0	.73	.68	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.71	.67	.65	.63



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

WEC AND CCEC

NAME: PAR30S-11-930-25D-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	.159	.090	.029	.152	.087	.028	.140	.080	.026	.128	.074	.024	.118	.068	.022	
2.0	.149	.082	.025	.144	.079	.024	.133	.074	.023	.124	.069	.022	.115	.065	.020	
3.0	.140	.075	.022	.136	.073	.022	.127	.069	.021	.119	.065	.020	.111	.062	.019	
4.0	.132	.069	.020	.128	.067	.020	.121	.064	.019	.114	.061	.018	.107	.058	.018	
5.0	.125	.064	.018	.122	.062	.018	.115	.060	.018	.109	.058	.017	.104	.055	.017	
6.0	.119	.059	.017	.116	.058	.017	.110	.056	.016	.105	.054	.016	.100	.053	.016	
7.0	.113	.056	.016	.110	.055	.016	.105	.053	.015	.101	.052	.015	.096	.050	.015	
8.0	.108	.053	.015	.105	.052	.015	.101	.050	.014	.097	.049	.014	.093	.048	.014	
9.0	.103	.050	.014	.101	.049	.014	.097	.048	.014	.093	.047	.013	.090	.046	.013	
10.0	.098	.047	.013	.097	.047	.013	.093	.046	.013	.090	.045	.013	.087	.044	.013	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.069	.052	.046	.041	.017	.015	.013	
3.0	.140	.113	.093	.120	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.110	.085	.066	.076	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.118	.086	.063	.102	.075	.055	.070	.052	.039	.041	.031	.023	.013	.010	.008	
6.0	.110	.077	.053	.095	.066	.046	.065	.047	.033	.038	.027	.019	.012	.009	.006	
7.0	.103	.069	.045	.089	.060	.039	.061	.042	.028	.036	.025	.017	.011	.008	.005	
8.0	.097	.062	.039	.083	.054	.034	.058	.038	.024	.034	.022	.014	.011	.007	.005	
9.0	.091	.057	.034	.079	.049	.029	.054	.035	.021	.032	.020	.012	.010	.007	.004	
10.0	.086	.052	.029	.075	.045	.026	.052	.032	.018	.030	.019	.011	.010	.006	.004	

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 C Interval: 22.5DEG  
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UGR(Unified Glare Rating) Table

NAME: PAR30S-11-930-25D-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	0.8	1.6	1.0	1.7	1.9	0.9	1.7	1.1	1.8	2.0				
3H	1.0	1.7	1.2	1.9	2.1	1.1	1.8	1.3	2.0	2.2				
4H	1.0	1.7	1.3	1.9	2.2	1.2	1.9	1.4	2.1	2.3				
6H	1.1	1.7	1.3	1.9	2.2	1.2	1.8	1.5	2.1	2.3				
8H	1.0	1.7	1.3	1.9	2.2	1.2	1.8	1.5	2.1	2.3				
12H	1.0	1.6	1.3	1.9	2.2	1.2	1.8	1.5	2.0	2.3				
4H 2H	0.7	1.4	1.0	1.6	1.8	0.8	1.5	1.1	1.7	1.9				
3H	1.0	1.6	1.3	1.9	2.2	1.1	1.7	1.4	2.0	2.3				
4H	1.1	1.7	1.5	2.0	2.3	1.3	1.8	1.6	2.1	2.4				
6H	1.2	1.7	1.6	2.0	2.4	1.3	1.8	1.7	2.2	2.5				
8H	1.2	1.7	1.6	2.0	2.4	1.4	1.8	1.7	2.2	2.5				
12H	1.2	1.6	1.6	2.0	2.3	1.3	1.8	1.7	2.1	2.5				
8H 4H	1.1	1.6	1.5	1.9	2.3	1.2	1.7	1.6	2.0	2.4				
6H	1.2	1.6	1.6	2.0	2.4	1.4	1.7	1.8	2.1	2.5				
8H	1.2	1.6	1.7	2.0	2.4	1.4	1.7	1.8	2.1	2.6				
12H	1.2	1.5	1.7	2.0	2.4	1.4	1.7	1.9	2.1	2.6				
12H 4H	1.1	1.5	1.5	1.9	2.2	1.2	1.6	1.6	2.0	2.4				
6H	1.2	1.5	1.6	1.9	2.4	1.3	1.7	1.8	2.1	2.5				
8H	1.2	1.5	1.7	1.9	2.4	1.4	1.7	1.8	2.1	2.6				
Variations with the observer position at spacings:														
S = 1.0H	+ 2.2 / - 2.4					+ 2.6 / - 2.6								
1.5H	+ 4.1 / - 2.3					+ 4.7 / - 2.6								
2.0H	+ 1.3 / - 0.6					+ 0.9 / - 0.5								

CIE Pub.117, 1015 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.1)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装



UTILIZATION FACTORS TABLE

NAME: PAR30S-11-930-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

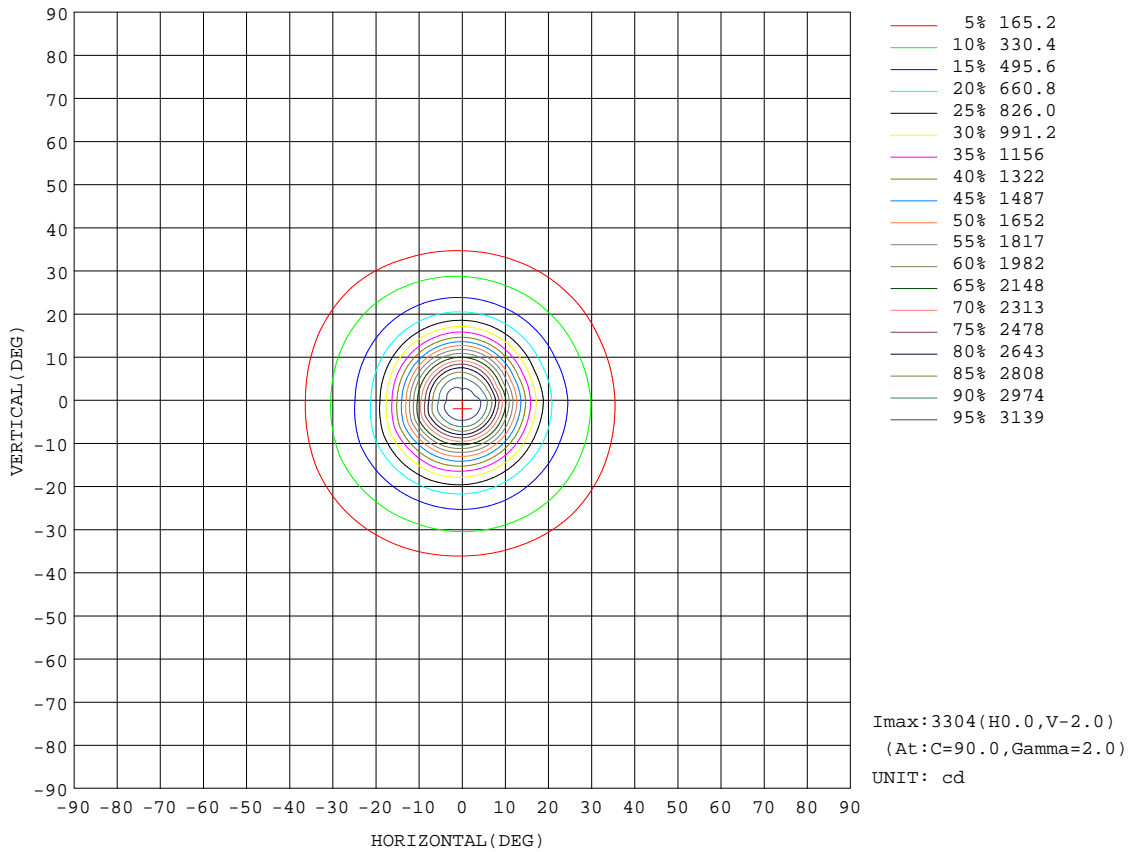
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	82	79	88	82	79	87	82	78	75
0.80	96	90	86	95	90	86	94	89	86	82
1.00	100	94	91	99	94	91	97	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	107	99
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: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

ISOCANDELA DIAGRAM

NAME: PAR30S-11-930-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

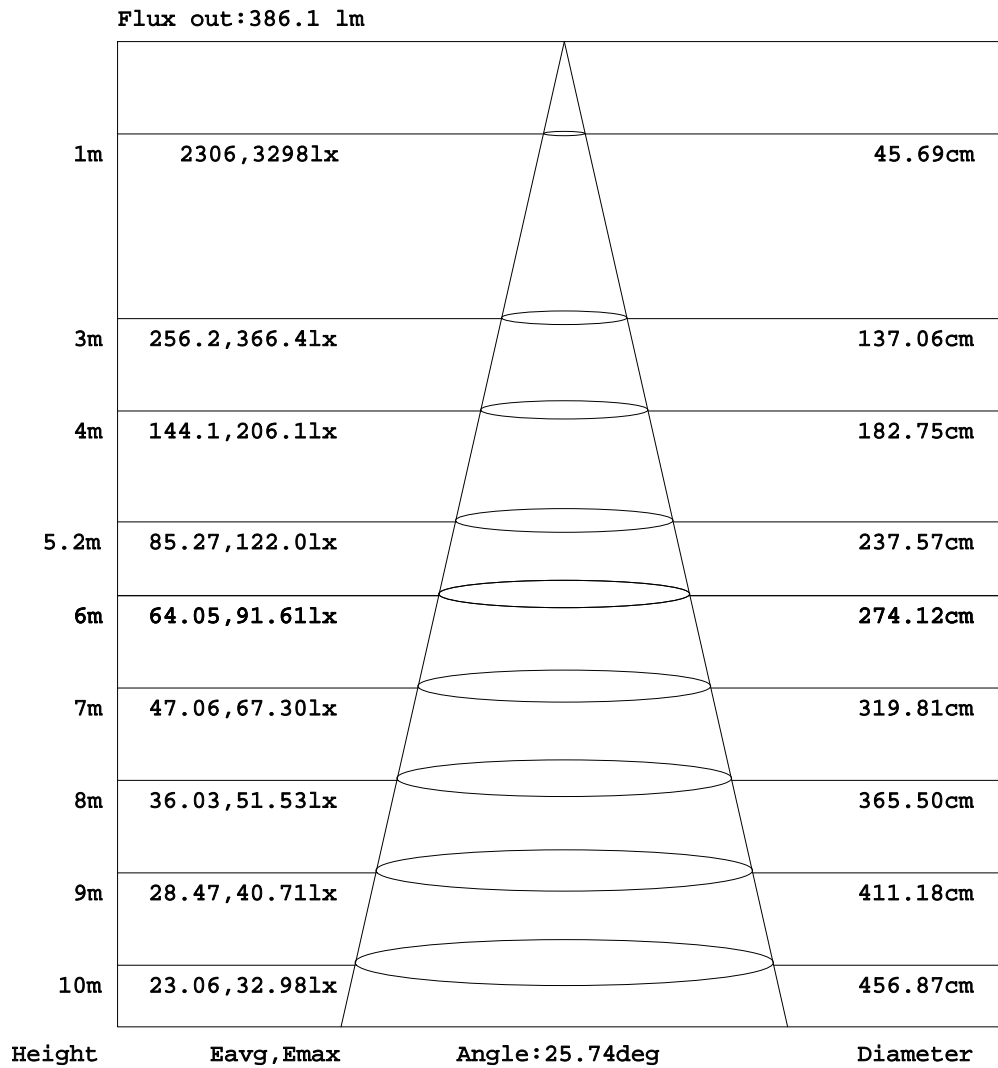


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

AAI Figure

NAME: PAR30S-11-930-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



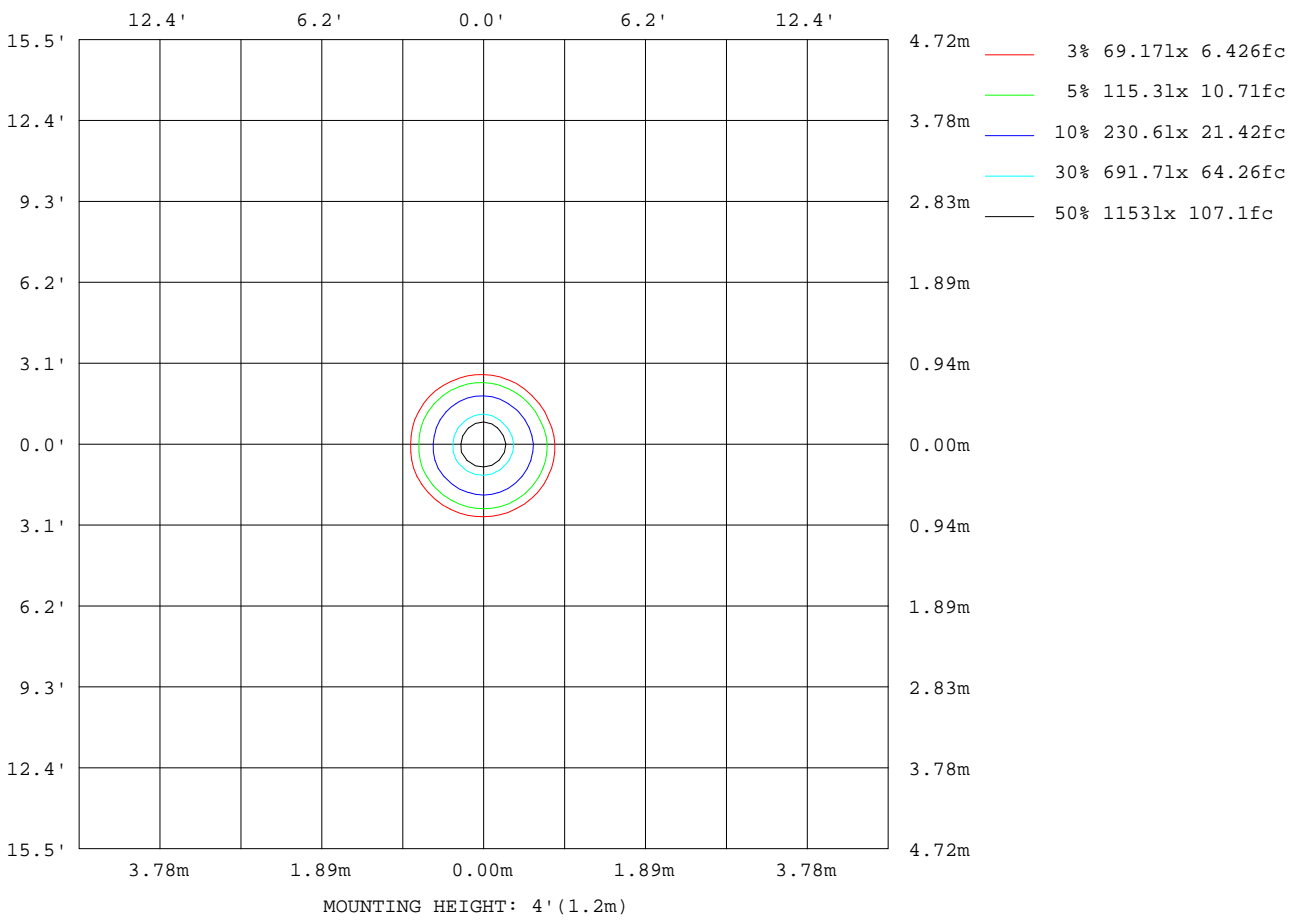
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

ISOLUX DIAGRAM

NAME: PAR30S-11-930-25D-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: 16 April 2020

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity: 65.0%  
Test Distance: 2.500m [K=1.0050]  
Remarks: 光阑片: 0.2 遮光筒: 装

LED Avg.L Report

NAME: PAR30S-11-930-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

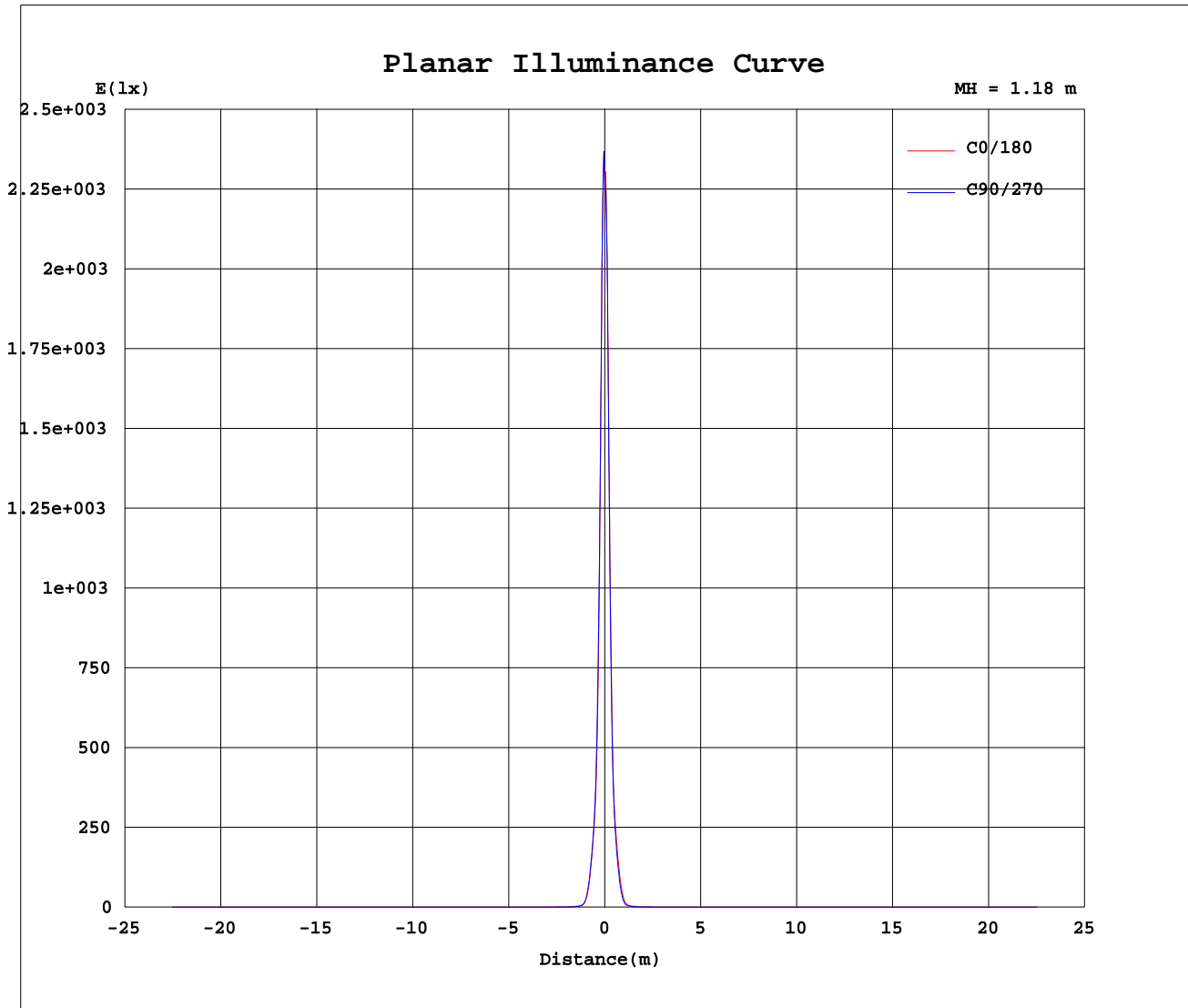
AvgL	cd/m2
L_0~180(65)av	68
L_0~180(75)av	52
L_0~180(85)av	33
L_90~270(65)av	67
L_90~270(75)av	54
L_90~270(85)av	28
L_45(65)av	69
L_45(75)av	53
L_45(85)av	33

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: PAR30S-11-930-25D-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	3210	3206	3203	3205	3204	3211	3216	3222	3210	3206	3203	3205	3204	3211	3216	3222			
5	3072	3086	3106	3112	3105	3114	3109	3093	3006	3019	3019	3022	2994	2958	2961	2991			
10	2173	2171	2193	2201	2225	2253	2291	2343	2223	2181	2170	2156	2138	2108	2076	2039			
15	1277	1278	1307	1330	1365	1387	1398	1428	1341	1310	1295	1271	1264	1236	1202	1191			
20	721	732	737	767	794	817	823	815	742	730	722	708	693	682	669	667			
25	478	479	486	501	509	509	513	520	491	481	471	464	451	436	436	448			
30	325	333	342	344	345	342	347	361	343	337	325	306	292	278	279	292			
35	177	188	196	193	196	200	206	214	204	200	189	167	157	151	148	152			
40	69.5	75.5	77.2	76.0	75.8	83.5	87.1	90.7	84.0	81.4	75.7	63.3	57.3	56.3	55.8	57.3			
45	28.1	28.0	26.9	23.8	24.4	27.9	30.7	34.0	31.3	28.0	25.9	22.9	21.6	22.6	24.5	25.4			
50	18.6	18.3	16.3	14.5	14.1	15.0	17.5	20.7	19.5	17.3	15.6	15.0	14.9	16.1	18.0	18.0			
55	12.9	12.8	12.6	11.9	11.5	11.9	13.6	15.4	14.2	13.7	12.6	12.4	12.4	12.9	13.0	12.6			
60	10.1	9.89	10.3	9.97	9.57	9.59	10.0	10.4	10.2	10.3	10.1	10.1	10.1	10.7	10.3	10.1			
65	8.77	8.59	8.92	8.63	8.33	8.25	8.52	8.76	8.55	8.66	8.76	8.65	8.71	9.22	9.13	9.24			
70	6.58	6.30	6.70	6.79	6.66	6.71	6.96	7.21	7.33	7.45	7.76	7.51	7.28	7.33	7.46	7.21			
75	3.80	3.81	3.95	4.08	4.10	4.21	4.38	4.47	4.35	4.33	4.49	4.38	4.32	4.23	3.91	3.73			
80	2.13	2.15	2.24	2.35	2.39	2.41	2.44	2.50	2.45	2.44	2.48	2.44	2.37	2.28	2.17	2.10			
85	0.71	0.71	0.73	0.59	0.61	0.93	1.04	1.07	1.03	1.00	0.99	0.94	0.87	0.84	0.77	0.72			
90	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			
95	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			
100	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			
105	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			
110	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			
115	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			
120	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			
125	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			
130	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			
135	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			
140	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			
145	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			
150	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			
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.01			
160	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
165	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01			
170	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.02	0.02	0.01	0.01			
175	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
180	0.01	0.01	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装