

Sample : PAR30L-11-930-25D-DIM  
Specification :  
Sample No. :  
Manufacturer : RAB Lighting Inc.  
Assessor : cuiquan  
Remark :  
Device SN :

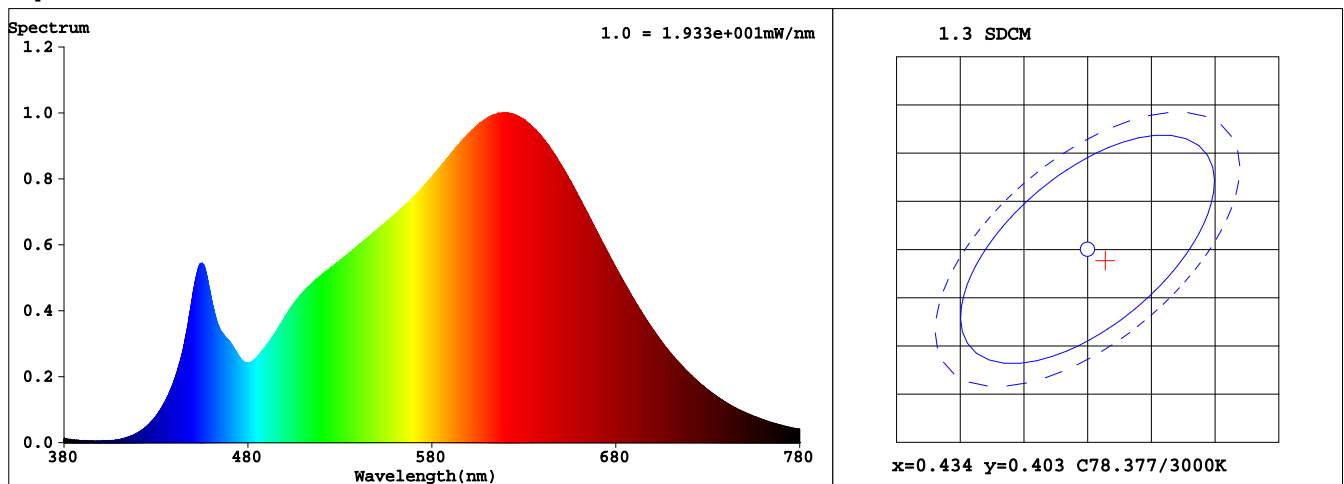
Date : 2020-05-26 16:12:22  
Sam. Status :  
Standard : LM-79-08  
Instrument : HaasSuite(EVERFINE)  
Test by :

### Test Condition

Temperature : 25.3Deg  
WL Range : 380nm-780nm  
Test Mode : Fast Test  
Sensitivity : High

RH : 30.1%  
IP : 48741 (74%)  
T : 82 ms

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4353$   $y = 0.4020$  /  $u' = 0.2504$   $v' = 0.5203$  ( $duv = -5.95e-04$ )  
CCT= 3012K Prcp WL: Ld=583.0nm Purity=51.3%  
Peak WL: Lp=620nm FWHM: =164.7nm Ratio:R=24.2% G=72.8% B=3.0%  
Render Index: Ra = 92.9 TM30:Rf=92 Rg=99

EEL: 0.14127 A+

R1 =93 R2 =97 R3 =99 R4 =93 R5 =93 R6 =96 R7 =92  
R8 =82 R9 =60 R10=92 R11=93 R12=82 R13=94 R14=99 R15=89  
LEVEL:OUT WHITE:ANSI\_3000K

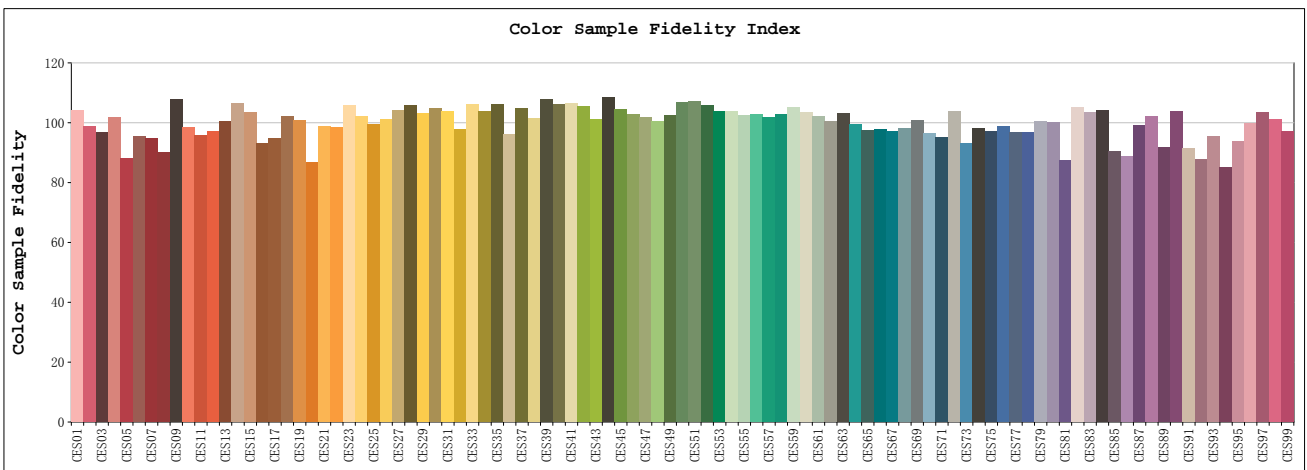
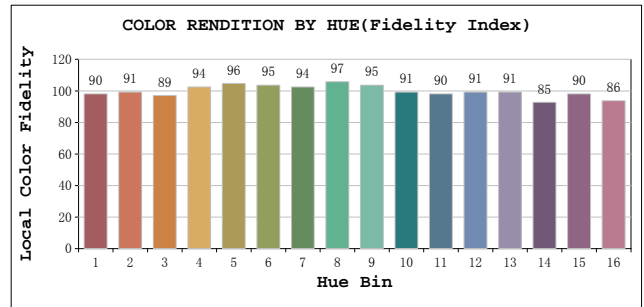
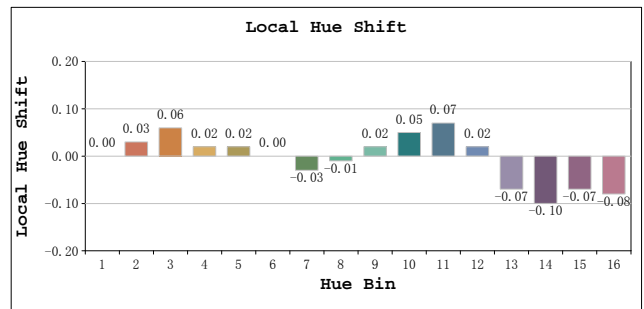
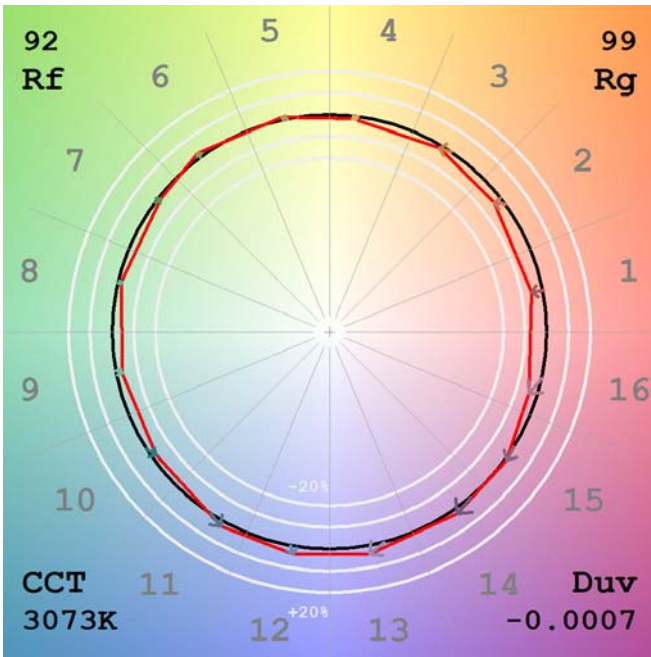
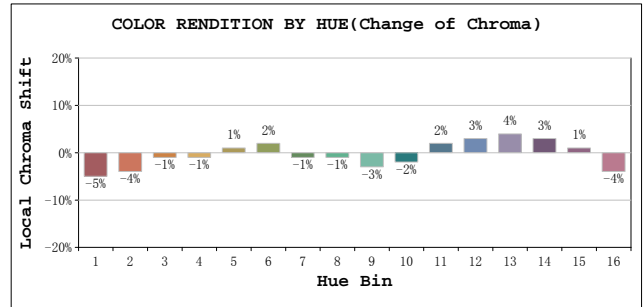
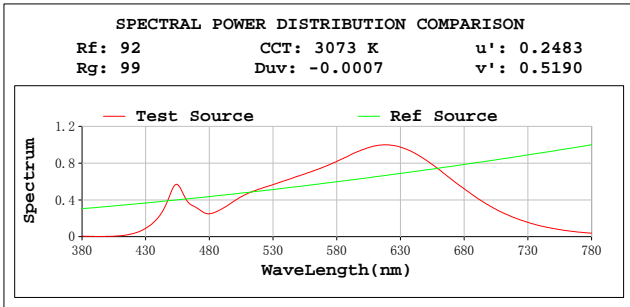
### Photometric & Radiometric Parameters

Flux = 974.89 lm Eff. : 91.71 lm/W Fe = 3.4111 W  
Flux of emitted photons( $\mu\text{mol/s}$ ):16.899 Fluo. and blue light ratio:9.744 Fluorescent eff.:281.5

### Electrical parameters

V = 120.02 V I = 0.09160 A P = 10.63 W PF = 0.9669

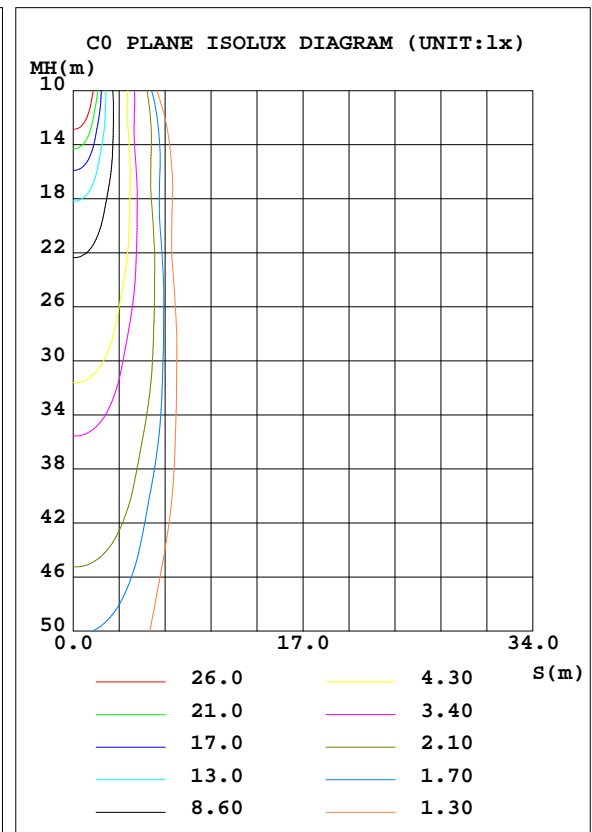
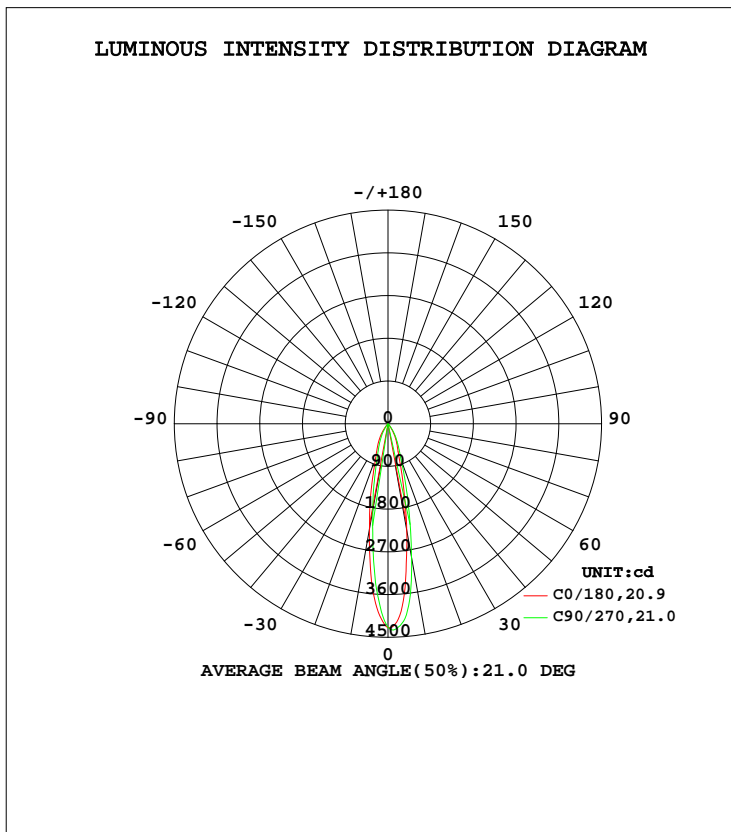
# TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: PAR30L-11-930-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 96.09 lm/W
MODEL	P30	Imax(cd)	4349	S/MH(C0/180)	0.36	
NOMINAL POWER(W)	/	LOR(%)	100.0	S/MH(C90/270)	0.30	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1022.4	$\eta$ UP, DN(C0-180)	0.0, 55.2	
NOMINAL FLUX(lm)	1022.44	CIE CLASS	DIRECT	$\eta$ UP, DN(C180-360)	0.0, 44.8	
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: 25.1DEG  
 Operators:  
 Test Date: 2020-05-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.175m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

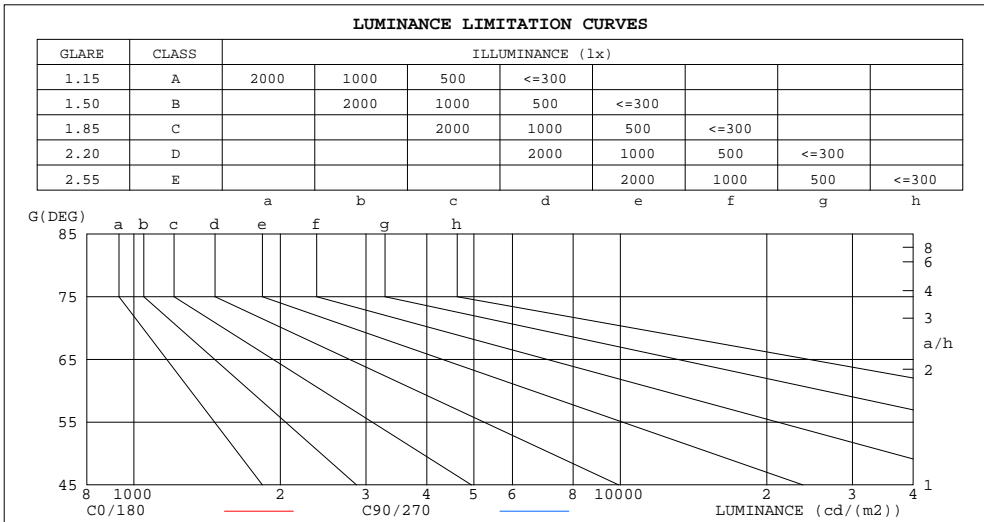
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	3738	4027	4120	3994	3578	3241	3206	3389	0- 5	94.64	94.64	9.26,9.26
10	2282	2666	2870	2726	2255	1924	1856	1952	5- 10	208.9	303.5	29.7,29.7
15	1182	1417	1591	1576	1317	1115	1020	1039	10- 15	205.1	508.7	49.8,49.8
20	629.2	714.1	811.1	848.4	762.4	682.5	608.4	594.4	15- 20	154.8	663.5	64.9,64.9
25	426.6	477.1	514.9	538.9	523.2	468.1	393.2	385.0	20- 25	119.5	783.1	76.6,76.6
30	266.4	307.9	327.2	353.7	353.1	298.6	236.6	225.7	25- 30	94.95	878.0	85.9,85.9
35	123.4	151.6	172.4	193.2	195.2	144.6	104.0	100.1	30- 35	64.45	942.5	92.2,92.2
40	42.81	48.12	61.62	69.18	69.45	41.31	32.68	37.36	35- 40	30.79	973.2	95.2,95.2
45	25.19	22.21	24.25	28.27	25.99	17.05	18.64	23.80	40- 45	12.01	985.3	96.4,96.4
50	18.65	16.81	16.82	20.95	19.27	15.27	16.22	17.19	45- 50	8.037	993.3	97.1,97.1
55	14.00	14.64	14.32	14.95	13.44	11.84	12.82	12.81	50- 55	6.896	1000	97.8,97.8
60	11.55	12.33	11.61	11.66	10.77	9.963	10.62	10.62	55- 60	5.635	1006	98.4,98.4
65	10.23	11.25	10.18	10.25	9.410	8.798	9.064	9.374	60- 65	5.058	1011	98.9,98.9
70	8.480	10.45	8.909	8.412	7.442	6.538	6.600	7.073	65- 70	4.590	1015	99.3,99.3
75	5.180	6.655	6.305	5.386	4.363	3.874	3.838	4.017	70- 75	3.317	1019	99.6,99.6
80	2.939	3.501	3.531	3.142	2.651	2.217	2.171	2.366	75- 80	2.008	1021	99.8,99.8
85	1.374	1.804	1.881	1.583	1.143	0.7531	0.6959	0.8977	80- 85	1.100	1022	99.9,99.9
90	0.0369	0.2639	0.3927	0.1906	0.0023	0.0022	0.0021	0.0022	85- 90	0.3360	1022	100,100
95	0.0018	0.0021	0.0021	0.0020	0.0020	0.0022	0.0022	0.0023	90- 95	0.0095	1022	100,100
100	0.0018	0.0020	0.0020	0.0020	0.0025	0.0025	0.0025	0.0025	95-100	0.0012	1022	100,100
105	0.0023	0.0023	0.0026	0.0023	0.0028	0.0030	0.0028	0.0030	100-105	0.0013	1022	100,100
110	0.0028	0.0025	0.0026	0.0026	0.0030	0.0031	0.0028	0.0030	105-110	0.0014	1022	100,100
115	0.0037	0.0028	0.0029	0.0033	0.0031	0.0031	0.0028	0.0030	110-115	0.0015	1022	100,100
120	0.0040	0.0031	0.0030	0.0034	0.0031	0.0031	0.0030	0.0030	115-120	0.0016	1022	100,100
125	0.0040	0.0031	0.0031	0.0034	0.0033	0.0032	0.0033	0.0033	120-125	0.0015	1022	100,100
130	0.0039	0.0031	0.0031	0.0034	0.0037	0.0038	0.0040	0.0043	125-130	0.0015	1022	100,100
135	0.0072	0.0053	0.0043	0.0048	0.0065	0.0071	0.0080	0.0089	130-135	0.0019	1022	100,100
140	0.0208	0.0163	0.0126	0.0124	0.0151	0.0174	0.0193	0.0214	135-140	0.0040	1022	100,100
145	0.0447	0.0370	0.0301	0.0294	0.0321	0.0367	0.0397	0.0429	140-145	0.0086	1022	100,100
150	0.0783	0.0677	0.0573	0.0563	0.0566	0.0631	0.0691	0.0734	145-150	0.0146	1022	100,100
155	0.1269	0.1113	0.0983	0.0966	0.0995	0.1115	0.1260	0.1320	150-155	0.0218	1022	100,100
160	0.2070	0.1809	0.1657	0.1671	0.1856	0.2072	0.2349	0.2405	155-160	0.0316	1022	100,100
165	0.2978	0.2631	0.2476	0.2577	0.3075	0.3356	0.3724	0.3783	160-165	0.0414	1022	100,100
170	0.3403	0.3165	0.3045	0.3181	0.3723	0.3913	0.4158	0.4227	165-170	0.0406	1022	100,100
175	0.2807	0.2850	0.2848	0.2823	0.2713	0.2649	0.2596	0.2647	170-175	0.0238	1022	100,100
180	0	0	0	0	0.0002	0.0007	0.0006	0.0007	175-180	0.0045	1022	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:  
 Test Date:2020-05-23

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:24.3%  
 Test Distance:1.175m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: PAR30L-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	52	71
80	56	67
75	66	81
70	82	86
65	80	80
60	76	77
55	81	83
50	96	86
45	118	113

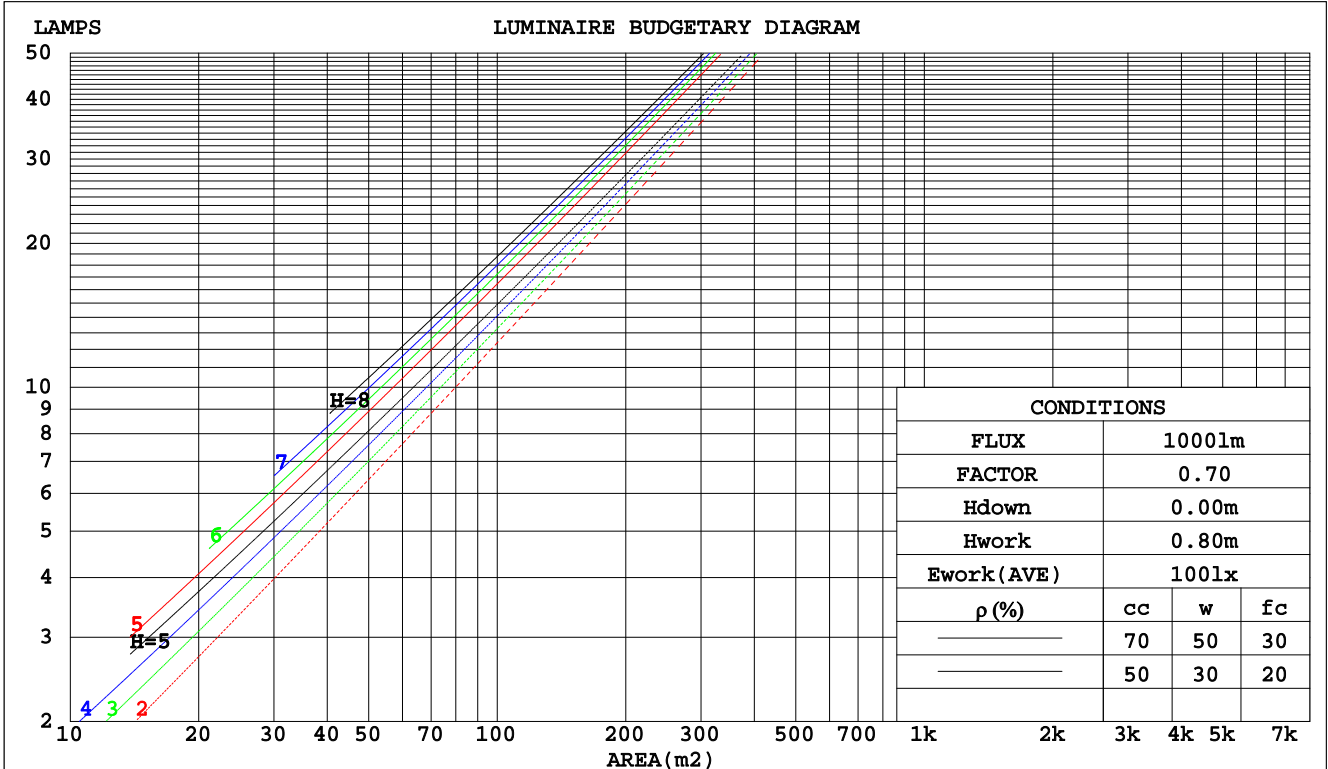
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators:  
 Test Date: 2020-05-23

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.175m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: PAR30L-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	.99	.98	.97	.95
2.0	1.06	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.94	.92	.91
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.91	.94	.91	.89	.92	.90	.88	.86
4.0	.95	.91	.87	.94	.90	.87	.92	.89	.86	.90	.87	.85	.89	.86	.84	.83
5.0	.91	.86	.83	.90	.86	.83	.89	.85	.82	.87	.84	.81	.86	.83	.80	.79
6.0	.87	.82	.79	.87	.82	.79	.85	.81	.78	.84	.80	.78	.83	.80	.77	.76
7.0	.84	.79	.76	.83	.79	.75	.82	.78	.75	.81	.77	.75	.80	.77	.74	.73
8.0	.81	.76	.73	.80	.76	.72	.79	.75	.72	.78	.75	.72	.77	.74	.72	.71
9.0	.78	.73	.70	.77	.73	.70	.76	.72	.70	.76	.72	.69	.75	.72	.69	.68
10.0	.75	.71	.67	.75	.70	.67	.74	.70	.67	.73	.70	.67	.73	.69	.67	.66



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators:  
 Test Date: 2020-05-23

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.175m [K=1.0000]  
 Remarks:

WEC AND CCEC

NAME: PAR30L-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	.156	.089	.028	.149	.085	.027	.136	.078	.025	.125	.072	.023	.114	.066	.021	
2.0	.146	.080	.024	.140	.077	.024	.130	.072	.022	.120	.067	.021	.111	.063	.020	
3.0	.136	.073	.022	.132	.071	.021	.123	.067	.020	.115	.063	.019	.107	.059	.018	
4.0	.128	.067	.020	.124	.065	.019	.117	.062	.018	.110	.059	.018	.103	.056	.017	
5.0	.121	.062	.018	.117	.060	.018	.111	.058	.017	.105	.055	.016	.100	.053	.016	
6.0	.114	.057	.016	.111	.056	.016	.106	.054	.016	.101	.052	.015	.096	.050	.015	
7.0	.109	.054	.015	.106	.053	.015	.101	.051	.015	.097	.050	.014	.092	.048	.014	
8.0	.103	.051	.014	.101	.050	.014	.097	.048	.014	.093	.047	.014	.089	.046	.013	
9.0	.099	.048	.013	.097	.047	.013	.093	.046	.013	.089	.045	.013	.086	.044	.013	
10.0	.094	.045	.013	.093	.045	.012	.089	.044	.012	.086	.043	.012	.083	.042	.012	

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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.116	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.114	.093	.119	.098	.081	.082	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.077	.109	.085	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.117	.086	.064	.101	.075	.055	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.054	.094	.066	.047	.065	.046	.033	.037	.027	.020	.012	.009	.006	
7.0	.102	.069	.046	.087	.060	.040	.060	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.095	.062	.039	.082	.054	.034	.057	.038	.024	.033	.022	.015	.011	.007	.005	
9.0	.090	.057	.034	.077	.049	.030	.054	.035	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.073	.045	.026	.051	.032	.019	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
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 Humidity: 24.3%  
 Test Distance: 1.175m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

NAME: PAR30L-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	-0.6	0.2	-0.4	0.3	0.5	0.2	0.9	0.4	1.1	1.2				
3H	0.1	0.8	0.3	1.0	1.2	0.7	1.4	0.9	1.6	1.8				
4H	0.3	1.0	0.6	1.2	1.4	0.9	1.6	1.2	1.8	2.0				
6H	0.5	1.1	0.8	1.3	1.6	1.1	1.7	1.4	2.0	2.2				
8H	0.5	1.1	0.8	1.4	1.6	1.2	1.8	1.5	2.0	2.3				
12H	0.5	1.1	0.9	1.4	1.7	1.2	1.8	1.5	2.1	2.3				
4H 2H	-0.4	0.2	-0.2	0.5	0.7	0.3	0.9	0.5	1.1	1.4				
3H	0.5	1.1	0.8	1.4	1.6	1.0	1.6	1.3	1.8	2.1				
4H	0.9	1.4	1.2	1.7	2.0	1.4	1.9	1.7	2.2	2.5				
6H	1.1	1.6	1.5	1.9	2.2	1.6	2.1	2.0	2.4	2.8				
8H	1.2	1.6	1.6	2.0	2.3	1.7	2.2	2.1	2.5	2.9				
12H	1.2	1.6	1.6	2.0	2.4	1.8	2.2	2.2	2.6	3.0				
8H 4H	1.0	1.5	1.4	1.8	2.2	1.5	1.9	1.9	2.3	2.6				
6H	1.3	1.7	1.8	2.1	2.5	1.8	2.2	2.3	2.6	3.0				
8H	1.5	1.8	1.9	2.2	2.6	2.0	2.3	2.4	2.7	3.2				
12H	1.6	1.9	2.0	2.3	2.8	2.2	2.4	2.6	2.9	3.3				
12H 4H	1.0	1.4	1.4	1.8	2.2	1.5	1.9	1.9	2.2	2.6				
6H	1.3	1.7	1.8	2.1	2.5	1.8	2.2	2.3	2.6	3.0				
8H	1.5	1.8	2.0	2.2	2.7	2.0	2.3	2.5	2.8	3.2				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.9 / - 0.8					+ 1.8 / - 1.1								
1.5H	+ 2.0 / - 0.8					+ 3.5 / - 1.1								
2.0H	+ 0.4 / - 0.5					+ 0.3 / - 0.2								

CIE Pub.117, 1022 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.1)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators:  
 Test Date: 2020-05-23

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.175m [K=1.0000]  
 Remarks:



UTILIZATION FACTORS TABLE

NAME: PAR30L-11-930-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

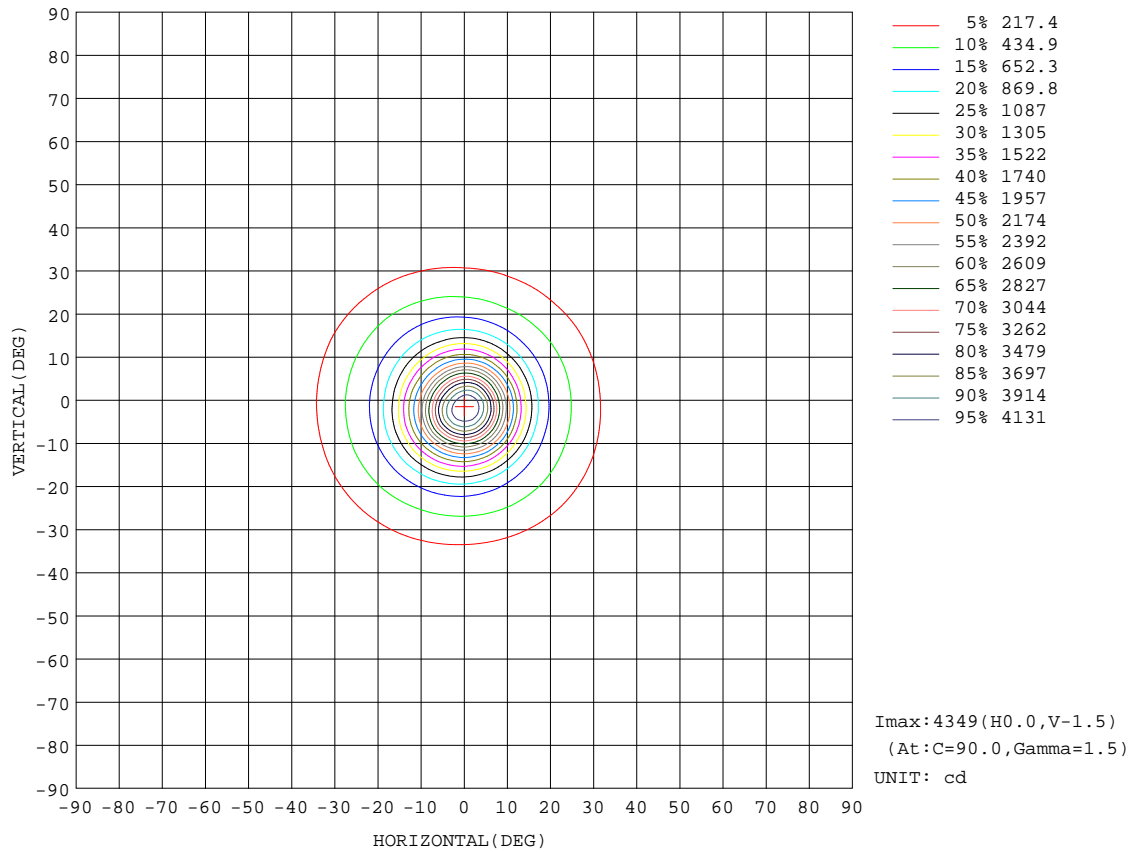
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	89	82	79	88	82	79	87	82	79	75
0.80	96	90	87	95	90	86	94	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	104	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: 25.1DEG  
 Operators:  
 Test Date: 2020-05-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.175m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

NAME: PAR30L-11-930-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

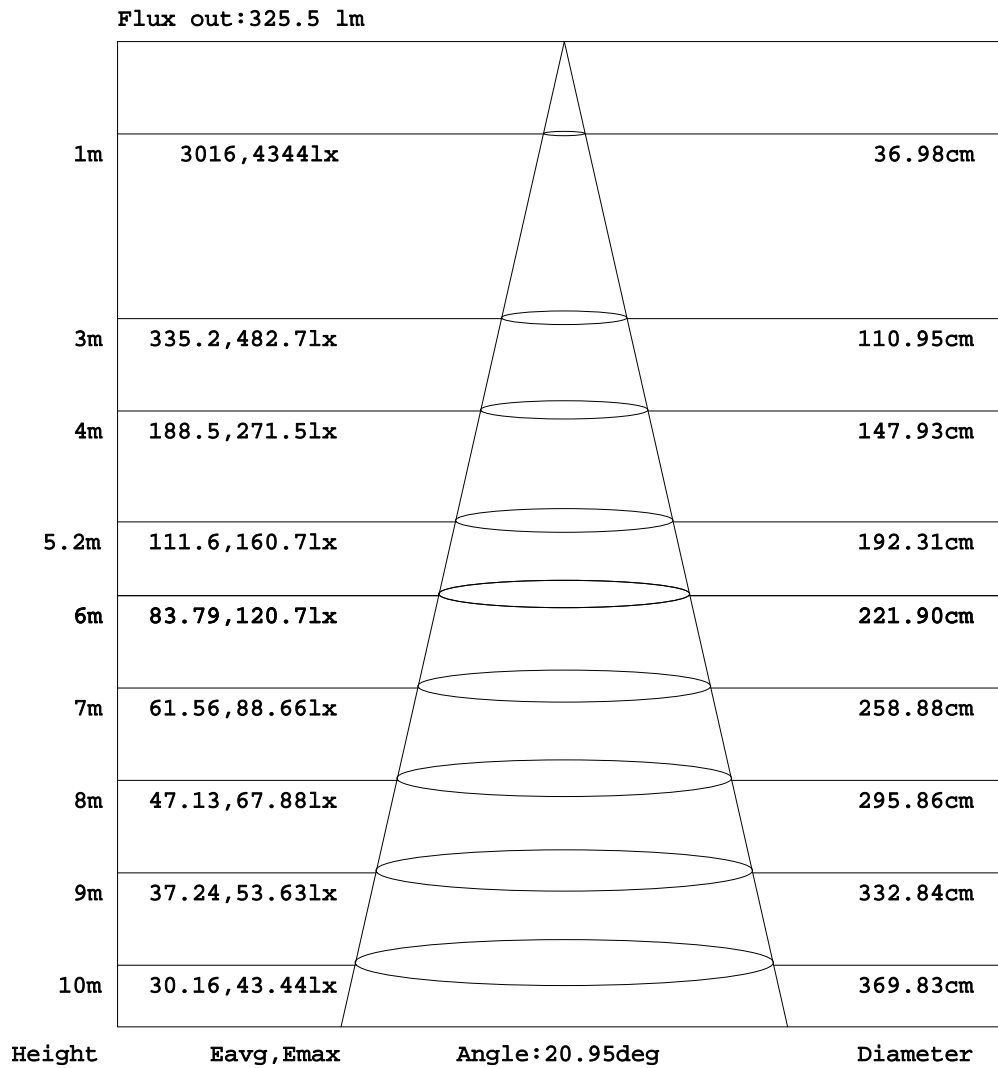


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators:  
 Test Date: 2020-05-23

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.175m [K=1.0000]  
 Remarks:

AAI Figure

NAME: PAR30L-11-930-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



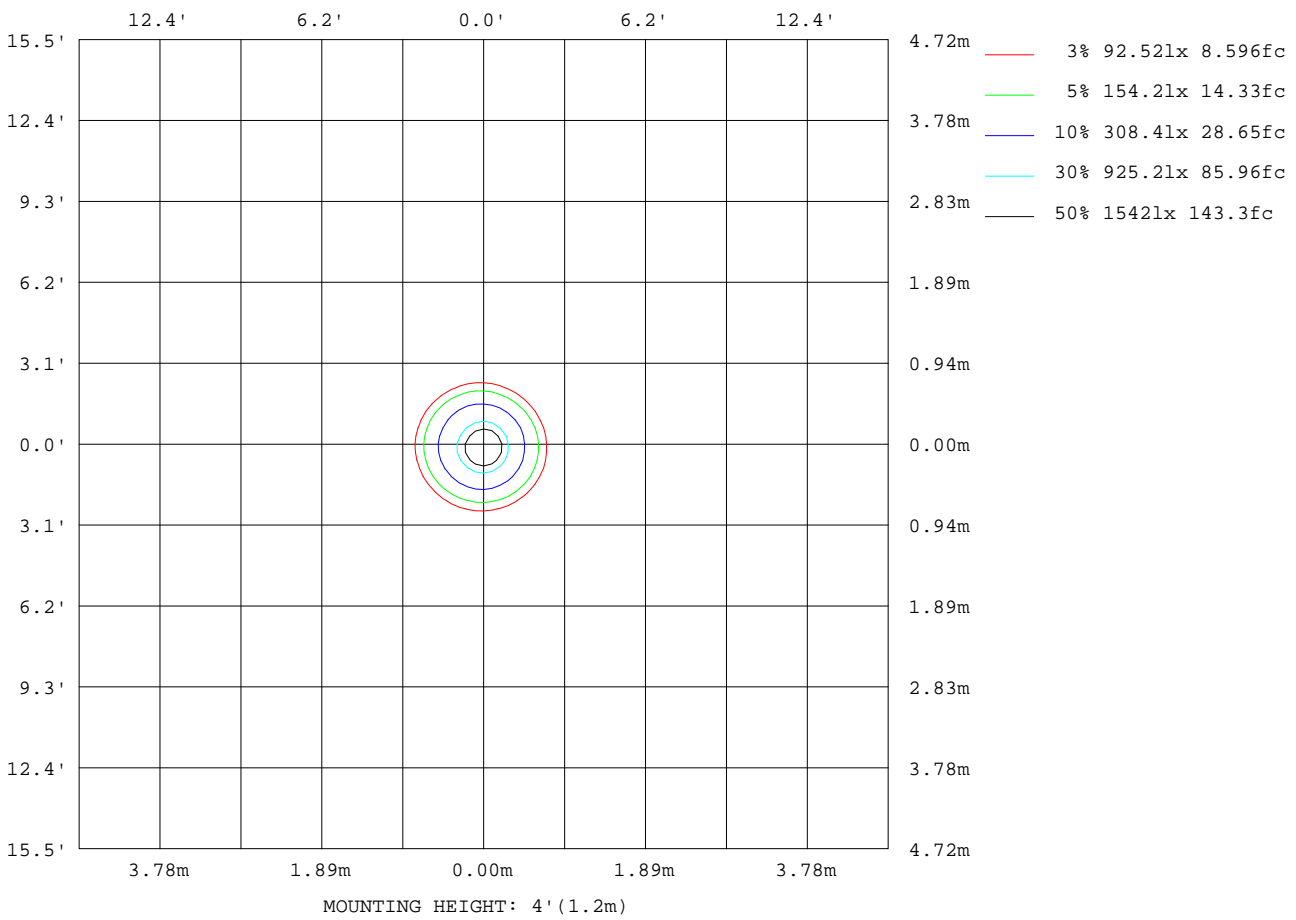
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators:  
 Test Date: 2020-05-23

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.175m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

NAME: PAR30L-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: 25.1DEG  
 Operators:  
 Test Date: 2020-05-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.175m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

NAME: PAR30L-11-930-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

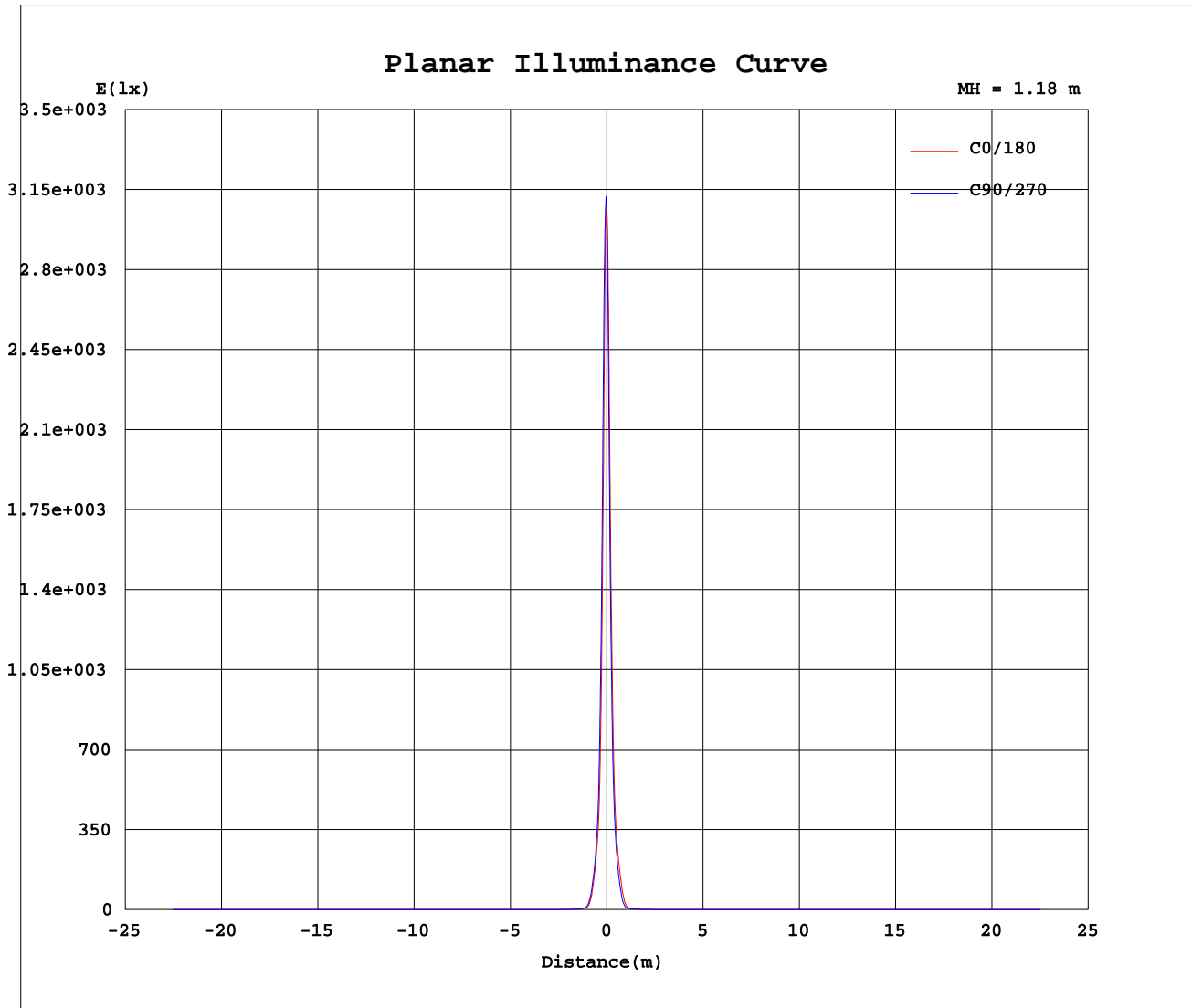
AvgL	cd/m2
L_0~180(65)av	77
L_0~180(75)av	61
L_0~180(85)av	48
L_90~270(65)av	75
L_90~270(75)av	65
L_90~270(85)av	49
L_45(65)av	78
L_45(75)av	64
L_45(85)av	48

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators:  
 Test Date: 2020-05-23

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.175m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators:  
 Test Date: 2020-05-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.175m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: PAR30L-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	4294	4294	4291	4289	4288	4286	4285	4286	4294	4294	4291	4289	4288	4286	4285	4286			
5	3738	3889	4027	4114	4120	4090	3994	3801	3578	3371	3241	3184	3206	3281	3389	3539			
10	2282	2468	2666	2818	2870	2825	2726	2509	2255	2054	1924	1870	1856	1883	1952	2081			
15	1182	1292	1417	1522	1591	1597	1576	1477	1317	1199	1115	1046	1020	1018	1039	1092			
20	629	661	714	765	811	841	848	817	762	717	683	645	608	592	594	611			
25	427	449	477	497	515	527	539	536	523	493	468	429	393	378	385	408			
30	266	291	308	316	327	337	354	360	353	330	299	262	237	225	226	245			
35	123	140	152	159	172	187	193	198	195	177	145	118	104	99.2	100	109			
40	42.8	46.0	48.1	51.3	61.6	65.0	69.2	70.8	69.5	58.4	41.3	34.3	32.7	33.8	37.4	39.0			
45	25.2	23.9	22.2	21.5	24.3	25.3	28.3	29.9	26.0	20.2	17.0	16.7	18.6	22.2	23.8	24.5			
50	18.7	18.4	16.8	16.5	16.8	18.3	21.0	20.2	19.3	16.3	15.3	14.9	16.2	17.6	17.2	17.7			
55	14.0	15.2	14.6	14.9	14.3	14.7	14.9	13.9	13.4	12.4	11.8	11.6	12.8	13.1	12.8	13.4			
60	11.5	12.3	12.3	11.8	11.6	11.5	11.7	11.2	10.8	10.4	9.96	9.88	10.6	10.8	10.6	11.1			
65	10.2	11.1	11.3	10.4	10.2	10.0	10.3	9.79	9.41	9.17	8.80	8.81	9.06	9.30	9.37	10.1			
70	8.48	9.39	10.4	9.18	8.91	8.73	8.41	7.90	7.44	6.86	6.54	6.46	6.60	6.74	7.07	7.63			
75	5.18	5.93	6.66	6.35	6.31	6.14	5.39	4.98	4.36	4.06	3.87	3.81	3.84	3.89	4.02	4.36			
80	2.94	3.28	3.50	3.59	3.53	3.36	3.14	2.91	2.65	2.38	2.22	2.14	2.17	2.24	2.37	2.62			
85	1.37	1.63	1.80	1.91	1.88	1.77	1.58	1.38	1.14	0.90	0.75	0.68	0.70	0.77	0.90	1.11			
90	0.04	0.15	0.26	0.37	0.39	0.32	0.19	0.06	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	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
140	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
145	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04			
150	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07			
155	0.13	0.12	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.12	0.13	0.13	0.13	0.13			
160	0.21	0.19	0.18	0.17	0.17	0.16	0.17	0.17	0.19	0.19	0.21	0.22	0.23	0.24	0.24	0.23			
165	0.30	0.28	0.26	0.25	0.25	0.25	0.26	0.27	0.31	0.31	0.34	0.36	0.37	0.38	0.38	0.37			
170	0.34	0.33	0.32	0.31	0.30	0.31	0.32	0.33	0.37	0.37	0.39	0.41	0.42	0.42	0.42	0.41			
175	0.28	0.28	0.28	0.29	0.28	0.28	0.28	0.28	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.27			
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: 25.1DEG  
 Operators:  
 Test Date: 2020-05-23

γ Range: 0 - 180DEG  
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 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
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