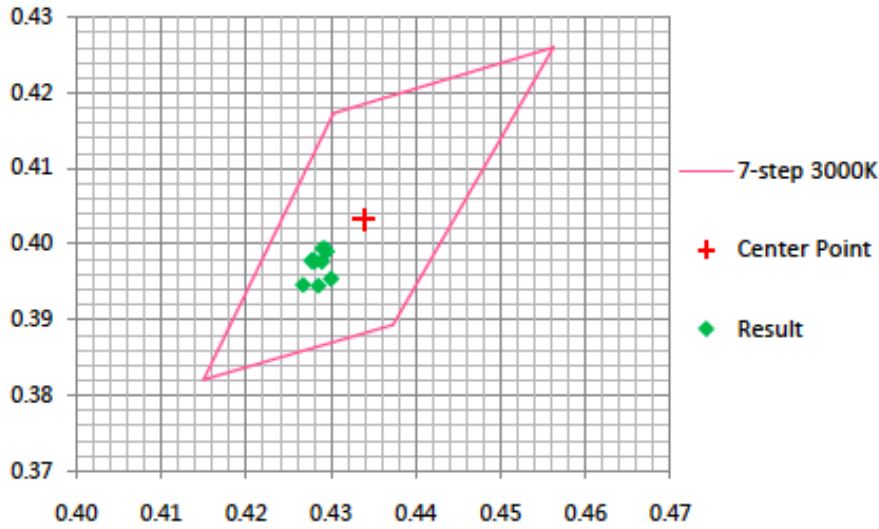


Company: RAB Lighting Inc.  
 Model Name: PAR38-12-930-25D-DIM

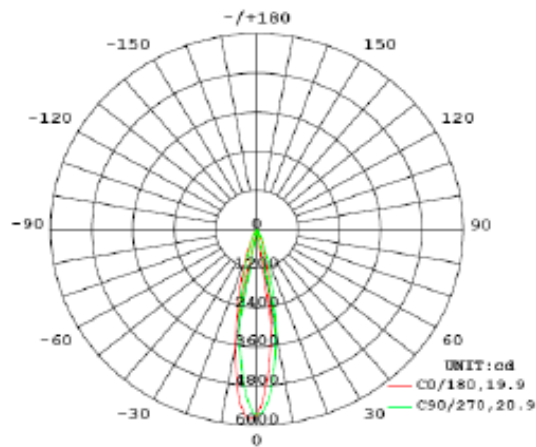
**Initial Photometric and Electrical**

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-12-930-25D-DIM	120	0.1042	11.64	0.9305	1089.7	93.63	3095
	Ra	R9	Rf	Rg	x	y	Duv
	94	68	92	101	0.4293	0.3994	-0.000792

**7-step chromaticity quadrangles per ANSI/ANSI C78.377-2015**



**Luminous Intensity Distribution Diagram**



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-12-930-25D-DIM	VBU	20.4	5868

Zonal Lumen Density

Deg	Flux (lm)	%
0-5	124.1	11.57
0-10	394.1	36.73
0-15	647.6	60.37
0-20	815.0	75.97
0-25	913.4	85.15
0-30	968.2	90.26
0-35	997.5	92.99
0-40	1015.1	94.62
0-45	1027.2	95.76
0-50	1036.7	96.64
0-55	1044.6	97.38
0-60	1051.9	98.06
0-65	1058.5	98.68
0-70	1064.1	99.19
0-75	1068.2	99.58
0-80	1071.0	99.83
0-85	1072.3	99.96
0-90	1072.7	100.00

Deg	Flux (lm)	%
0-95	1072.7	100.00
0-100	1072.7	100.00
0-105	1072.7	100.00
0-110	1072.7	100.00
0-115	1072.7	100.00
0-120	1072.7	100.00
0-125	1072.7	100.00
0-130	1072.7	100.00
0-135	1072.7	100.00
0-140	1072.7	100.00
0-145	1072.7	100.00
0-150	1072.7	100.00
0-155	1072.7	100.00
0-160	1072.7	100.00
0-165	1072.7	100.00
0-170	1072.7	100.00
0-175	1072.7	100.00
0-180	1072.7	100.00

$\theta$	0°	90°	180°	270°
0.0°	5686.6	5686.6	5686.6	5686.6
5.0°	5390.1	4596.5	4097.3	4881.6
10.0°	3598.9	2787.8	2222.8	3215.8
15.0°	1892.9	1416.9	975.9	1655.5
20.0°	888.5	627.9	440.2	743.7
25.0°	427.5	286.1	196.6	348.7
30.0°	186.4	133.5	87.0	159.3
35.0°	87.8	64.6	47.8	75.6
40.0°	49.8	37.7	30.4	43.9
45.0°	31.4	26.0	21.7	29.1
50.0°	22.4	20.0	17.3	21.4
55.0°	17.7	17.0	14.9	17.6
60.0°	15.5	15.0	13.4	15.0
65.0°	13.4	12.6	11.1	12.6
70.0°	10.6	9.4	8.2	9.7
75.0°	7.6	6.4	5.4	6.6
80.0°	4.6	3.6	2.9	3.9
85.0°	2.1	1.3	0.8	1.5
90.0°	0.3	0.1	0.0	0.2
95.0°	0.0	0.0	0.0	0.0
100.0°	0.0	0.0	0.0	0.0
105.0°	0.0	0.0	0.0	0.0
110.0°	0.0	0.0	0.0	0.0
115.0°	0.0	0.0	0.0	0.0
120.0°	0.0	0.0	0.0	0.0
125.0°	0.0	0.0	0.0	0.0
130.0°	0.0	0.0	0.0	0.0
135.0°	0.0	0.0	0.0	0.0
140.0°	0.0	0.0	0.0	0.0
145.0°	0.0	0.0	0.0	0.0
150.0°	0.0	0.0	0.0	0.0
155.0°	0.0	0.0	0.0	0.0
160.0°	0.0	0.0	0.0	0.0
165.0°	0.0	0.1	0.0	0.0
170.0°	0.1	0.1	0.0	0.0
175.0°	0.1	0.1	0.0	0.0
180.0°	0.0	0.0	0.0	0.0

Average Weighted  
 $u': 0.2464$   $v': 0.5182$

$\gamma C0-180$	$u'$	$v'$	$Du'v'$
-15	0.2460	0.5169	0.0014
-10	0.2459	0.5178	0.0006
-5	0.2457	0.5181	0.0007
0	0.2458	0.5184	0.0006
5	0.2464	0.5186	0.0004
10	0.2468	0.5184	0.0004
15	0.2494	0.5200	0.0035

$\gamma C90-270$	$u'$	$v'$	$Du'v'$
-15	0.2456	0.5173	0.0012
-10	0.2454	0.5178	0.0011
-5	0.2460	0.5184	0.0004
0	0.2458	0.5184	0.0006
5	0.2464	0.5186	0.0004
10	0.2472	0.5186	0.0009
15	0.2479	0.5186	0.0016