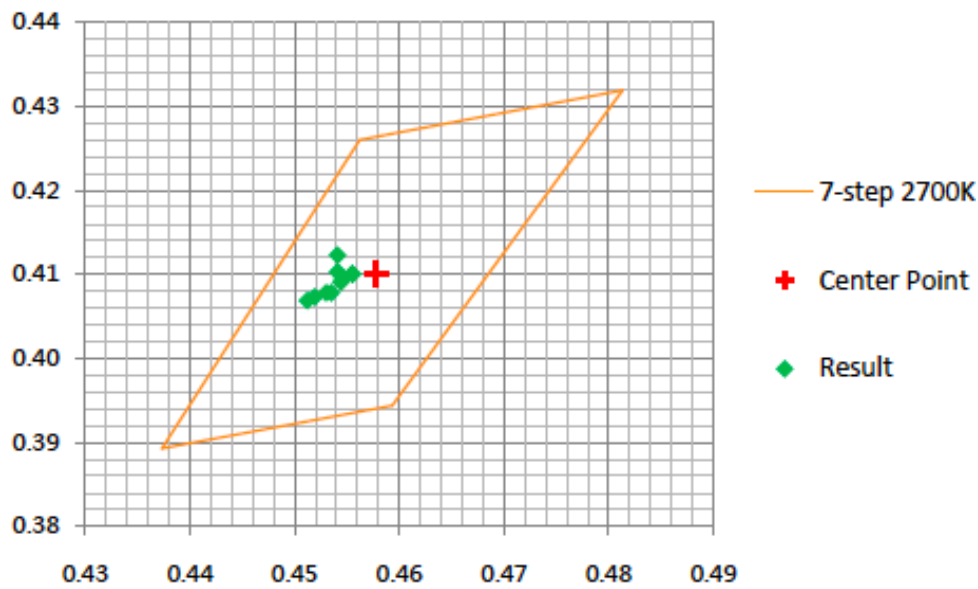


Company: RAB Lighting Inc.
Model Name: PAR38-12-927-40D-DIM

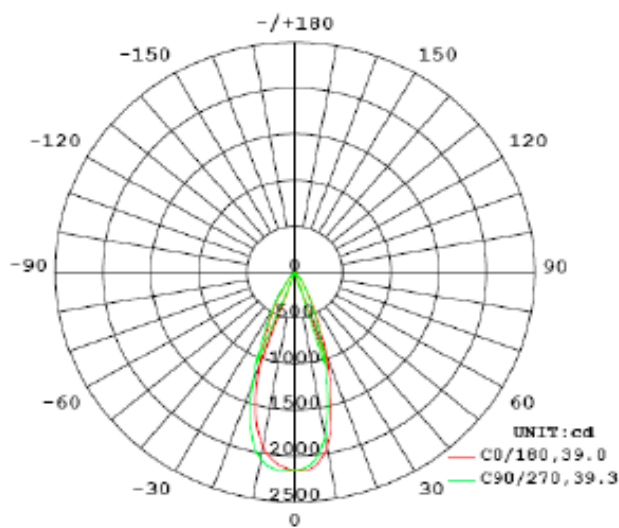
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-12-927-40D-DIM	120	0.1015	11.23	0.9216	1118.5	99.61	2796
	Ra	R9	Rf	Rg	x	y	Duv
	92.5	57	91	100	0.4512	0.4069	-0.000579

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-12-927-40D-DIM	VBU	39.1	2164

Zonal Lumen Density

Deg	Flux (lm)	%
0-5	51.1	4.57
0-10	196.2	17.56
0-15	401.4	35.93
0-20	611.6	54.75
0-25	783.7	70.15
0-30	903.2	80.84
0-35	975.6	87.32
0-40	1016.4	90.97
0-45	1041.0	93.18
0-50	1058.8	94.77
0-55	1073.3	96.07
0-60	1085.3	97.15
0-65	1095.2	98.03
0-70	1103.0	98.73
0-75	1108.9	99.26
0-80	1112.7	99.60
0-85	1114.7	99.77
0-90	1115.3	99.83

Deg	Flux (lm)	%
0-95	1115.3	99.83
0-100	1115.3	99.83
0-105	1115.3	99.83
0-110	1115.4	99.83
0-115	1115.4	99.83
0-120	1115.4	99.84
0-125	1115.4	99.84
0-130	1115.4	99.84
0-135	1115.5	99.85
0-140	1115.6	99.86
0-145	1115.8	99.88
0-150	1116.1	99.90
0-155	1116.4	99.92
0-160	1116.7	99.95
0-165	1116.9	99.97
0-170	1117.1	99.99
0-175	1117.2	100.00
0-180	1117.2	100.00

Φ θ	0°	90°	180°	270°
0.0°	2155.3	2155.3	2155.3	2155.3
5.0°	2092.3	2153.9	2134.1	2081.1
10.0°	1926.5	2062.1	1928.5	1812.3
15.0°	1581.5	1768.3	1466.6	1306.7
20.0°	1102.4	1290.3	953.6	822.2
25.0°	687.6	806.1	542.1	462.7
30.0°	385.1	468.7	282.8	236.1
35.0°	195.0	244.9	139.9	114.3
40.0°	96.6	124.1	71.0	61.7
45.0°	55.4	67.3	45.9	43.1
50.0°	38.0	43.3	35.2	33.6
55.0°	29.8	32.6	27.8	26.5
60.0°	23.7	25.6	21.9	20.9
65.0°	18.5	19.9	16.8	15.9
70.0°	14.0	15.0	12.4	11.7
75.0°	9.8	10.9	8.0	7.3
80.0°	5.8	6.6	4.4	3.9
85.0°	2.6	3.3	1.6	1.2
90.0°	0.4	0.8	0.0	0.0
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°	0.1	0.1	0.0	0.0
130.0°	0.2	0.1	0.1	0.1
135.0°	0.4	0.3	0.1	0.2
140.0°	0.7	0.6	0.2	0.3
145.0°	1.1	1.1	0.4	0.4
150.0°	1.6	1.5	0.5	0.5
155.0°	2.0	1.9	0.7	0.7
160.0°	2.2	2.1	0.8	0.8
165.0°	2.2	2.2	0.9	0.8
170.0°	2.0	1.9	0.9	0.9
175.0°	1.7	1.7	1.1	1.0
180.0°	1.4	1.3	1.4	1.4

Average Weighted
 $u': 0.2581$ $v': 0.5250$

$\gamma \backslash C0-180$	u'	v'	$Du'v'$
-20	0.2593	0.5257	0.0014
-15	0.2590	0.5257	0.0011
-10	0.2590	0.5255	0.0010
-5	0.2584	0.5252	0.0004
0	0.2577	0.5249	0.0004
5	0.2578	0.5247	0.0006
10	0.2575	0.5245	0.0008
15	0.2573	0.5245	0.0009
20	0.2573	0.5243	0.0011

$\gamma \backslash C90-270$	u'	v'	$Du'v'$
-20	0.2582	0.5246	0.0004
-15	0.2583	0.5247	0.0004
-10	0.2582	0.5247	0.0003
-5	0.2582	0.5248	0.0002
0	0.2577	0.5249	0.0004
5	0.2578	0.5250	0.0003
10	0.2577	0.5252	0.0004
15	0.2575	0.5253	0.0007
20	0.2576	0.5254	0.0008