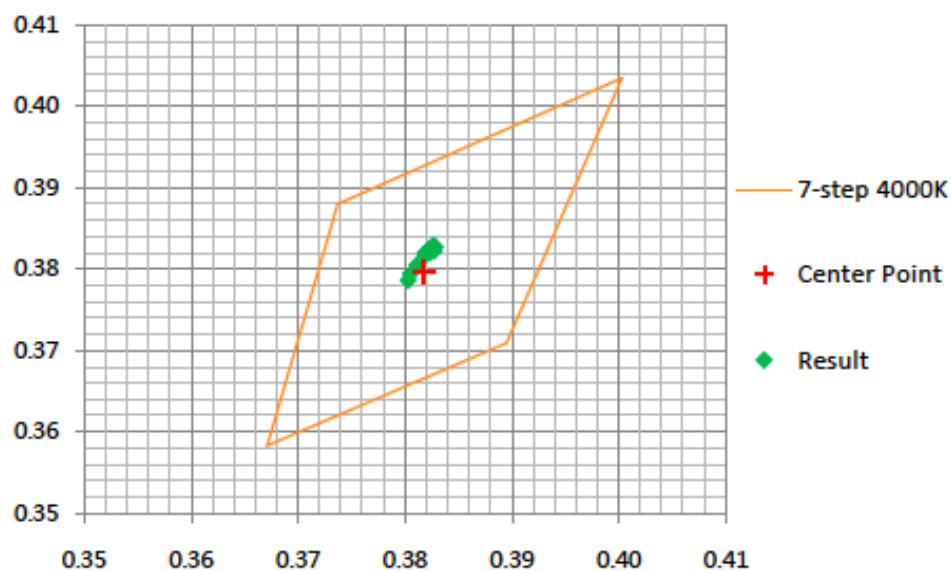


Company: RAB Lighting Inc.
 Model Name: PAR38-12-940-25D-DIM

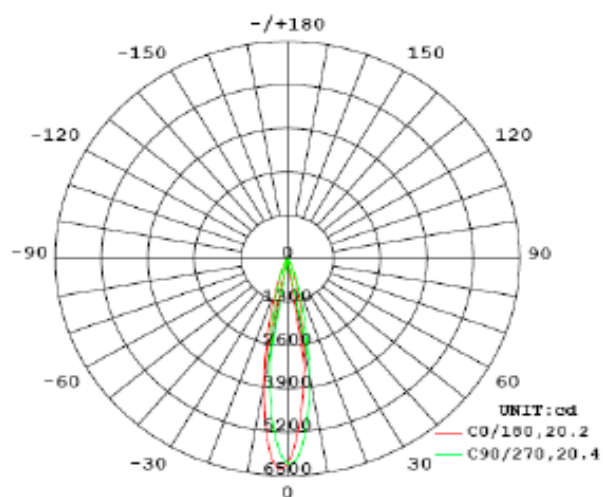
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-12-940-25D-DIM	120	0.1019	11.36	0.9288	1153.7	101.55	3980
	Ra	R9	Rf	Rg	x	y	Duv
	94.1	72	89	96	0.3827	0.3822	0.0019

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-12-940-25D-DIM	VBU	20.3	6375

Zonal Lumen Density

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	134.5	11.78	0-95	1141.5	100.00
0-10	427.0	37.41	0-100	1141.5	100.00
0-15	699.0	61.23	0-105	1141.5	100.00
0-20	877.1	76.84	0-110	1141.5	100.00
0-25	980.0	85.85	0-115	1141.5	100.00
0-30	1035.1	90.68	0-120	1141.5	100.00
0-35	1064.3	93.24	0-125	1141.5	100.00
0-40	1082.1	94.80	0-130	1141.5	100.00
0-45	1094.5	95.89	0-135	1141.5	100.00
0-50	1104.1	96.73	0-140	1141.5	100.00
0-55	1112.2	97.43	0-145	1141.5	100.00
0-60	1119.5	98.08	0-150	1141.5	100.00
0-65	1126.3	98.67	0-155	1141.5	100.00
0-70	1132.1	99.18	0-160	1141.5	100.00
0-75	1136.6	99.57	0-165	1141.5	100.00
0-80	1139.5	99.83	0-170	1141.5	100.00
0-85	1141.0	99.96	0-175	1141.5	100.00
0-90	1141.4	100.00	0-180	1141.5	100.00

$\theta \backslash \Phi$	0°	90°	180°	270°
0.0°	6134.0	6134.0	6134.0	6134.0
5.0°	5782.0	4876.5	4537.9	5389.5
10.0°	3800.5	2822.1	2622.1	3492.4
15.0°	1942.3	1335.2	1281.8	1824.6
20.0°	817.7	604.0	609.1	827.7
25.0°	360.3	270.9	284.5	373.7
30.0°	155.7	118.4	129.4	162.9
35.0°	73.4	60.9	65.3	77.5
40.0°	43.3	37.0	40.0	44.1
45.0°	29.0	25.4	27.0	28.9
50.0°	21.4	19.3	20.1	21.4
55.0°	17.5	16.1	17.0	17.7
60.0°	15.5	14.4	14.3	15.7
65.0°	13.8	12.4	11.7	13.4
70.0°	11.1	9.5	8.9	10.4
75.0°	8.0	6.6	5.9	7.3
80.0°	4.9	3.7	3.2	4.3
85.0°	2.2	1.3	0.9	1.8
90.0°	0.4	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°	0.1	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
 $u': 0.2230$ $v': 0.5036$

$\gamma C0-180$	u'	v'	$Du'v'$
-15	0.2235	0.5035	0.0005
-10	0.2228	0.5036	0.0002
-5	0.2224	0.5036	0.0006
0	0.2221	0.5035	0.0009
5	0.2228	0.5039	0.0004
10	0.2227	0.5032	0.0005
15	0.2234	0.5037	0.0004

$\gamma C90-270$	u'	v'	$Du'v'$
-15	0.2226	0.5028	0.0009
-10	0.2225	0.5034	0.0005
-5	0.2223	0.5035	0.0007
0	0.2221	0.5035	0.0009
5	0.2228	0.5038	0.0003
10	0.2235	0.5038	0.0005
15	0.2251	0.5048	0.0024