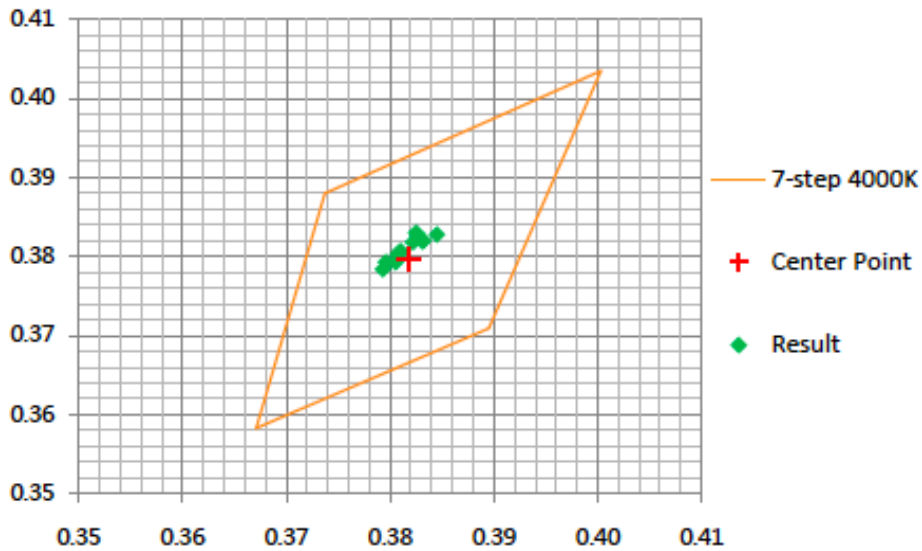


Company: RAB Lighting Inc.
 Model Name: PAR38-12-940-40D-DIM

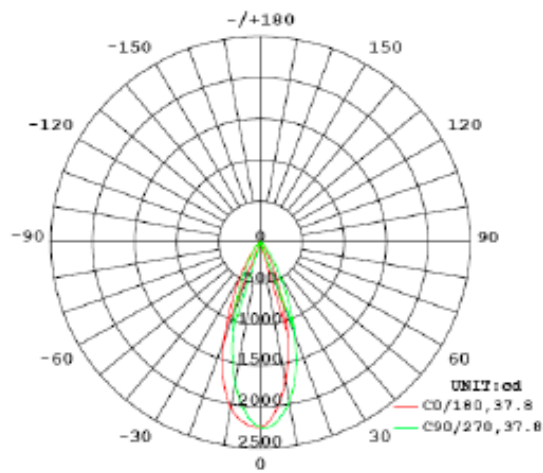
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-12-940-40D-DIM	120	0.102	11.35	0.9272	1150.8	101.42	4041
	Ra	R9	Rf	Rg	x	y	Duv
	94	74	88	95	0.3796	0.3793	0.00144

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-12-940-40D-DIM	VBU	37.8	2257

Zonal Lumen Density

Deg	Flux (lm)	%
0-5	52.3	4.58
0-10	195.1	17.08
0-15	393.0	34.39
0-20	598.8	52.40
0-25	773.9	67.72
0-30	901.0	78.85
0-35	982.9	86.01
0-40	1032.8	90.37
0-45	1063.9	93.10
0-50	1085.1	94.95
0-55	1100.9	96.33
0-60	1113.3	97.42
0-65	1123.1	98.28
0-70	1130.8	98.95
0-75	1136.4	99.44
0-80	1140.0	99.76
0-85	1142.0	99.93
0-90	1142.7	99.99

Deg	Flux (lm)	%
0-95	1142.8	100.00
0-100	1142.8	100.00
0-105	1142.8	100.00
0-110	1142.8	100.00
0-115	1142.8	100.00
0-120	1142.8	100.00
0-125	1142.8	100.00
0-130	1142.8	100.00
0-135	1142.8	100.00
0-140	1142.8	100.00
0-145	1142.8	100.00
0-150	1142.8	100.00
0-155	1142.8	100.00
0-160	1142.8	100.00
0-165	1142.8	100.00
0-170	1142.8	100.00
0-175	1142.8	100.00
0-180	1142.8	100.00

$\theta \backslash \phi$	0°	90°	180°	270°
0.0°	2244.8	2244.8	2244.8	2244.8
5.0°	2203.5	2073.3	2068.4	2195.7
10.0°	2041.1	1737.5	1710.6	1967.9
15.0°	1710.4	1313.4	1245.1	1621.9
20.0°	1269.0	896.0	788.4	1184.2
25.0°	814.9	549.3	438.0	786.6
30.0°	475.4	319.5	227.6	475.5
35.0°	243.2	180.6	122.3	268.1
40.0°	126.6	103.6	69.3	151.0
45.0°	71.8	64.1	45.9	88.5
50.0°	45.5	42.4	33.8	56.7
55.0°	33.2	29.9	25.7	38.8
60.0°	25.7	21.6	19.6	28.0
65.0°	19.8	15.8	14.6	20.4
70.0°	14.9	11.3	10.0	15.1
75.0°	10.7	7.4	6.2	10.6
80.0°	6.8	3.9	3.2	6.6
85.0°	3.6	1.3	0.9	3.3
90.0°	1.1	0.0	0.0	0.8
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	0.0	0.0	0.0
170.0°	0.0	0.0	0.0	0.0
175.0°	0.0	0.0	0.0	0.0
180.0°	0.0	0.0	0.0	0.0

Average Weighted
 $u': 0.2234$ $v': 0.5031$

$\gamma C0-180$	u'	v'	$Du'v'$
-20	0.2226	0.5023	0.0011
-15	0.2231	0.5028	0.0004
-10	0.2232	0.5029	0.0003
-5	0.2236	0.5033	0.0003
0	0.2239	0.5036	0.0007
5	0.2237	0.5034	0.0004
10	0.2236	0.5033	0.0003
15	0.2234	0.5033	0.0002
20	0.2236	0.5034	0.0004

$\gamma C90-270$	u'	v'	$Du'v'$
-20	0.2230	0.5033	0.0004
-15	0.2231	0.5033	0.0004
-10	0.2234	0.5034	0.0003
-5	0.2237	0.5035	0.0005
0	0.2239	0.5036	0.0007
5	0.2236	0.5033	0.0003
10	0.2237	0.5033	0.0004
15	0.2238	0.5032	0.0004
20	0.2236	0.5030	0.0002