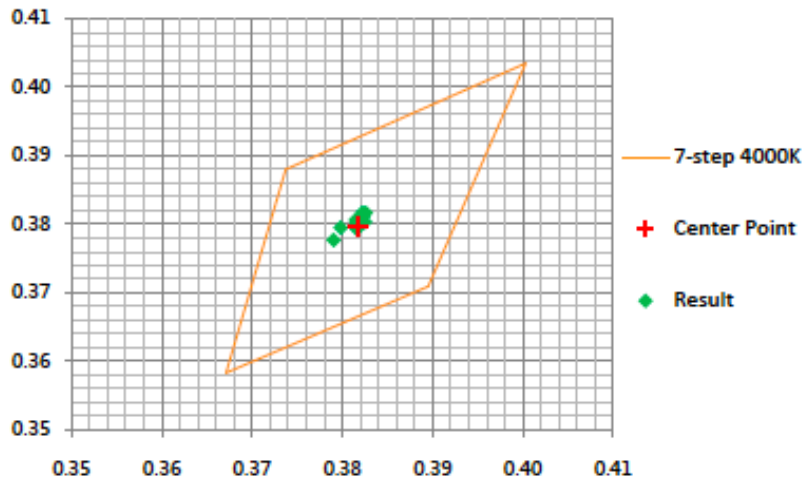


Company: RAB Lighting Inc.
 Model Name: PAR38-16-940-40D-DIM

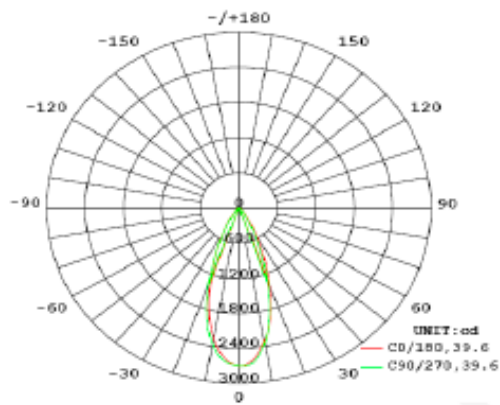
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-16-940-40D-DIM	120	0.1386	15.41	0.9288	1432.6	92.96	4035
	Ra	R9	Rf	Rg	x	y	Duv
	93.9	72	88	95	0.3798	0.3795	0.00144

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-16-940-40D-DIM	VBU	39.6	2709

Zonal Lumen Density

Deg	Flux (lm)	%
0-5	63.5	4.45
0-10	239.8	16.79
0-15	488.1	34.18
0-20	749.8	52.51
0-25	972.5	68.10
0-30	1132.8	79.33
0-35	1234.9	86.48
0-40	1296.6	90.80
0-45	1334.6	93.46
0-50	1360.1	95.25
0-55	1379.0	96.57
0-60	1393.8	97.61
0-65	1405.4	98.42
0-70	1414.4	99.05
0-75	1420.9	99.50
0-80	1425.1	99.80
0-85	1427.2	99.95
0-90	1427.9	100.00

Deg	Flux (lm)	%
0-95	1428.0	100.00
0-100	1428.0	100.00
0-105	1428.0	100.00
0-110	1428.0	100.00
0-115	1428.0	100.00
0-120	1428.0	100.00
0-125	1428.0	100.00
0-130	1428.0	100.00
0-135	1428.0	100.00
0-140	1428.0	100.00
0-145	1428.0	100.00
0-150	1428.0	100.00
0-155	1428.0	100.00
0-160	1428.0	100.00
0-165	1428.0	100.00
0-170	1428.0	100.00
0-175	1428.0	100.00
0-180	1428.0	100.00

Φ θ	0°	90°	180°	270°
0.0°	2703.7	2703.7	2703.7	2703.7
5.0°	2573.2	2621.7	2597.5	2642.0
10.0°	2267.1	2364.7	2313.7	2342.5
15.0°	1805.4	1935.0	1912.3	1865.4
20.0°	1274.0	1365.9	1388.4	1296.1
25.0°	814.7	830.4	925.2	773.5
30.0°	473.7	459.1	544.6	414.4
35.0°	260.7	225.8	294.4	207.2
40.0°	143.7	114.5	158.6	106.4
45.0°	83.0	66.3	88.4	62.5
50.0°	53.2	45.5	54.8	43.4
55.0°	36.3	35.1	38.0	33.2
60.0°	26.6	27.3	28.7	25.5
65.0°	19.8	20.9	21.4	19.3
70.0°	14.2	15.4	15.9	13.9
75.0°	9.3	10.4	11.0	9.1
80.0°	5.2	6.2	6.7	5.2
85.0°	1.9	2.7	3.0	2.0
90.0°	0.1	0.4	0.5	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': 0.2235 v':0.5028

$\gamma C0-180$	u'	v'	Du'v'
-20	0.2229	0.5025	0.0007
-15	0.2229	0.5025	0.0007
-10	0.2232	0.5027	0.0003
-5	0.2235	0.5029	0.0001
0	0.2240	0.5032	0.0006
5	0.2242	0.5033	0.0009
10	0.2241	0.5032	0.0007
15	0.2240	0.5031	0.0006
20	0.2241	0.5032	0.0007

$\gamma C90-270$	u'	v'	Du'v'
-20	0.2236	0.5034	0.0006
-15	0.2235	0.5033	0.0005
-10	0.2237	0.5032	0.0004
-5	0.2238	0.5032	0.0005
0	0.2240	0.5032	0.0006
5	0.2237	0.5028	0.0002
10	0.2234	0.5025	0.0003
15	0.2229	0.5020	0.0010
20	0.2229	0.5020	0.0010