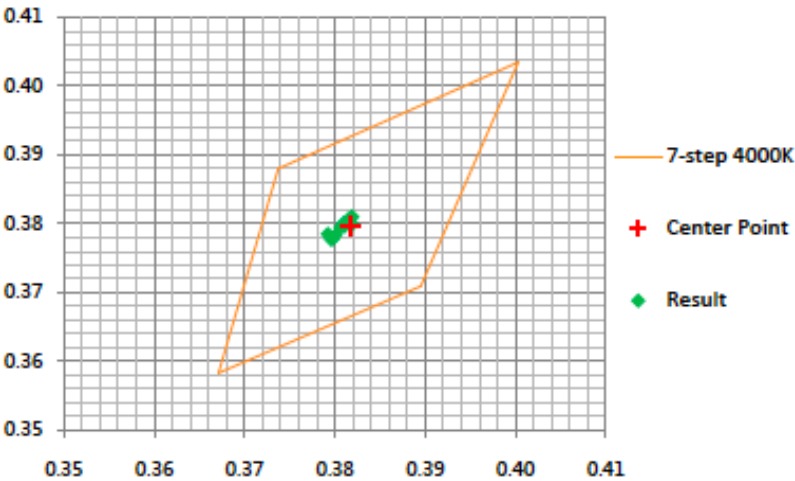


Company: RAB Lighting Inc.
Model Name: PAR38-16-940-25D-DIM

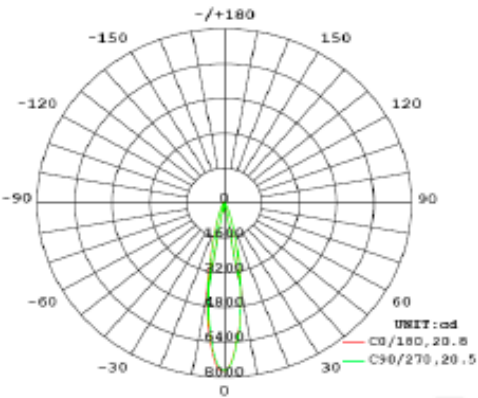
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-16-940-25D-DIM	120	0.1374	15.36	0.9315	1445.1	94.1	4048
	Ra	R9	Rf	Rg	x	y	Duv
	93.8	73	88	95	0.3792	0.3785	0.00115

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-16-940-25D-DIM	VBU	20.6	7726

Zonal Lumen Density

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	168.7	11.64	0-95	1450.0	100.00
0-10	534.8	36.88	0-100	1450.0	100.00
0-15	877.4	60.51	0-105	1450.0	100.00
0-20	1103.2	76.08	0-110	1450.0	100.00
0-25	1236.0	85.24	0-115	1450.0	100.00
0-30	1309.4	90.30	0-120	1450.0	100.00
0-35	1348.8	93.02	0-125	1450.0	100.00
0-40	1372.4	94.65	0-130	1450.0	100.00
0-45	1388.8	95.78	0-135	1450.0	100.00
0-50	1401.4	96.65	0-140	1450.0	100.00
0-55	1412.1	97.38	0-145	1450.0	100.00
0-60	1421.8	98.05	0-150	1450.0	100.00
0-65	1430.7	98.67	0-155	1450.0	100.00
0-70	1438.2	99.19	0-160	1450.0	100.00
0-75	1443.9	99.58	0-165	1450.0	100.00
0-80	1447.6	99.83	0-170	1450.0	100.00
0-85	1449.5	99.96	0-175	1450.0	100.00
0-90	1450.0	100.00	0-180	1450.0	100.00

Φ θ	0°	90°	180°	270°
0.0°	7717.4	7717.4	7717.4	7717.4
5.0°	6616.9	6437.2	6325.2	6385.4
10.0°	4112.1	3965.7	3972.8	3990.6
15.0°	2061.0	1855.5	2053.7	2111.0
20.0°	885.6	771.1	989.2	1044.5
25.0°	384.4	345.6	472.7	498.0
30.0°	173.6	150.6	215.3	228.9
35.0°	83.5	76.0	105.0	110.0
40.0°	49.7	46.9	59.9	61.7
45.0°	34.0	32.8	39.0	40.2
50.0°	26.4	25.2	27.9	29.2
55.0°	22.2	21.3	22.8	23.8
60.0°	19.8	18.8	19.4	20.9
65.0°	17.3	15.9	16.1	17.6
70.0°	13.4	12.3	12.3	13.5
75.0°	9.3	8.6	8.4	9.1
80.0°	5.5	5.1	4.7	5.2
85.0°	2.2	2.0	1.7	1.9
90.0°	0.2	0.2	0.1	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	0.1	0.0
175.0°	0.1	0.1	0.0	0.0
180.0°	0.1	0.0	0.1	0.0

Average Weighted
 u' : 0.2225 v' : 0.5019

$\gamma \backslash C0-180$	u'	v'	$Du'v'$
-15	0.2229	0.5015	0.0006
-10	0.2223	0.5016	0.0004
-5	0.2217	0.5016	0.0009
0	0.2213	0.5016	0.0012
5	0.2221	0.5021	0.0004
10	0.2226	0.5021	0.0002
15	0.2237	0.5027	0.0014

$\gamma \backslash C90-270$	u'	v'	$Du'v'$
-15	0.2232	0.5018	0.0007
-10	0.2225	0.5016	0.0003
-5	0.2220	0.5017	0.0005
0	0.2213	0.5016	0.0012
5	0.2218	0.5019	0.0007
10	0.2222	0.5018	0.0003
15	0.2232	0.5022	0.0008