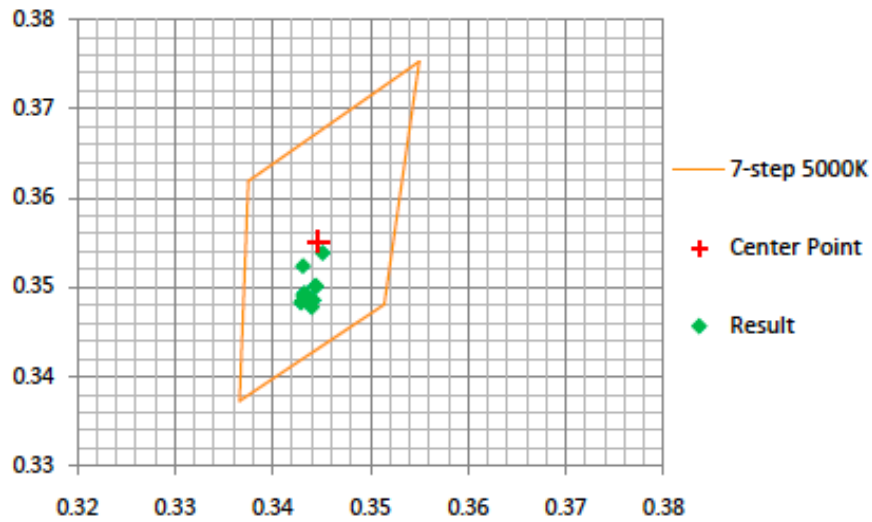


Company: RAB Lighting Inc.
 Model Name: PAR38-16-950-40D-DIM

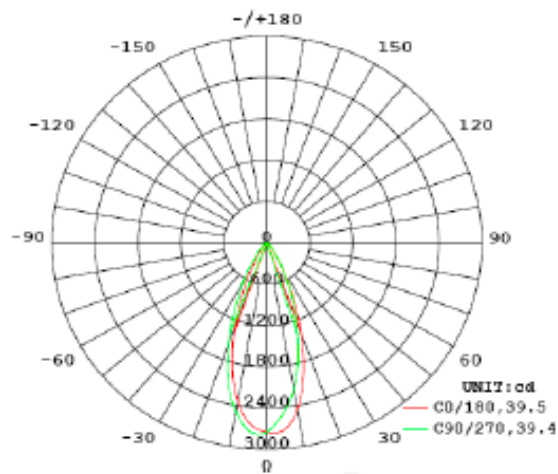
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-16-950-40D-DIM	120	0.1368	15.26	0.9295	1470.7	96.36	5023
	Ra	R9	Rf	Rg	x	y	Duv
	95.8	87	91	99	0.3444	0.351	-0.00046

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-16-950-40D-DIM	VBU	39.5	2796

Zonal Lumen Density

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	64.7	4.39	0-95	1470.8	99.83
0-10	244.3	16.58	0-100	1470.8	99.83
0-15	496.8	33.72	0-105	1470.8	99.84
0-20	763.4	51.82	0-110	1470.8	99.84
0-25	991.7	67.32	0-115	1470.8	99.84
0-30	1157.3	78.56	0-120	1470.8	99.84
0-35	1264.1	85.80	0-125	1470.9	99.84
0-40	1329.3	90.23	0-130	1470.9	99.84
0-45	1369.8	92.98	0-135	1471.0	99.85
0-50	1397.3	94.85	0-140	1471.2	99.86
0-55	1417.7	96.23	0-145	1471.4	99.88
0-60	1433.6	97.31	0-150	1471.8	99.90
0-65	1446.1	98.16	0-155	1472.1	99.93
0-70	1455.8	98.81	0-160	1472.5	99.95
0-75	1462.9	99.30	0-165	1472.8	99.97
0-80	1467.5	99.61	0-170	1473.1	99.99
0-85	1469.9	99.78	0-175	1473.2	100.00
0-90	1470.7	99.83	0-180	1473.2	100.00

θ \ Φ	0°	90°	180°	270°
0.0°	2750.3	2750.3	2750.3	2750.3
5.0°	2644.7	2749.8	2732.2	2501.8
10.0°	2338.0	2489.7	2453.9	2160.3
15.0°	1866.7	2096.0	1992.1	1690.8
20.0°	1303.3	1563.7	1404.2	1195.8
25.0°	781.4	1051.0	840.6	771.5
30.0°	419.8	644.1	438.5	456.9
35.0°	212.6	362.8	220.1	252.8
40.0°	108.8	199.8	110.2	140.6
45.0°	62.8	114.2	62.4	81.2
50.0°	44.4	71.1	45.0	52.9
55.0°	35.2	47.0	36.0	37.1
60.0°	27.3	33.6	28.7	27.2
65.0°	21.0	24.4	22.0	20.5
70.0°	15.5	18.0	16.3	15.2
75.0°	10.1	12.4	10.8	10.1
80.0°	5.9	7.7	6.5	5.6
85.0°	2.4	3.6	2.9	2.1
90.0°	0.3	0.8	0.4	0.1
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°	0.1	0.1	0.0	0.0
125.0°	0.1	0.1	0.1	0.1
130.0°	0.3	0.2	0.1	0.1
135.0°	0.5	0.5	0.2	0.2
140.0°	0.9	0.8	0.3	0.3
145.0°	1.5	1.4	0.5	0.5
150.0°	2.1	1.9	0.6	0.7
155.0°	2.5	2.4	0.8	0.9
160.0°	2.8	2.7	1.0	1.0
165.0°	2.8	2.8	1.1	1.1
170.0°	2.5	2.5	1.2	1.1
175.0°	2.1	2.1	1.3	1.3
180.0°	1.7	1.7	1.7	1.8

Average Weighted
 $u': 0.2105$ $v': 0.4868$

$\gamma \setminus C0-180$	u'	v'	$Du'v'$
-20	0.2105	0.4872	0.0004
-15	0.2105	0.4868	0.0000
-10	0.2108	0.4870	0.0004
-5	0.2108	0.4870	0.0004
0	0.2109	0.4873	0.0006
5	0.2106	0.4870	0.0002
10	0.2104	0.4869	0.0001
15	0.2098	0.4863	0.0009
20	0.2098	0.4866	0.0007

$\gamma \setminus C90-270$	u'	v'	$Du'v'$
-20	0.2105	0.4870	0.0002
-15	0.2108	0.4873	0.0006
-10	0.2109	0.4872	0.0006
-5	0.2111	0.4873	0.0008
0	0.2109	0.4873	0.0006
5	0.2108	0.4869	0.0003
10	0.2107	0.4869	0.0002
15	0.2102	0.4863	0.0006
20	0.2102	0.4864	0.0005