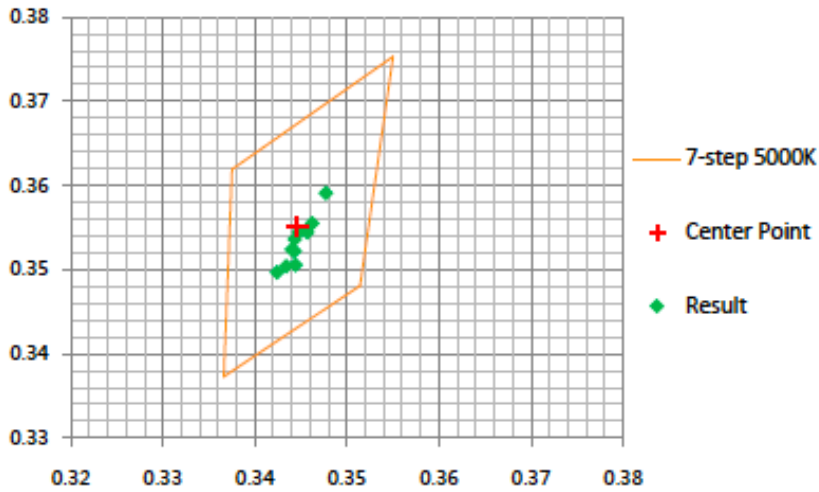


Company: RAB Lighting Inc.  
 Model Name: PAR38-12-950-40D-DIM

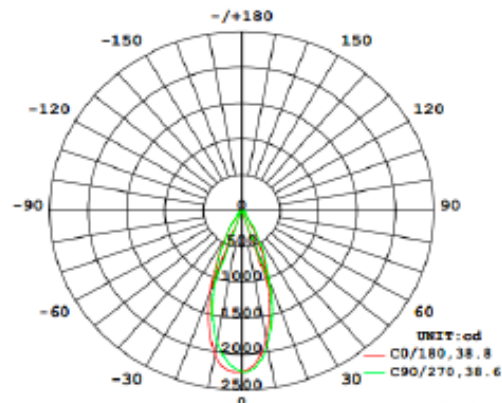
**Initial Photometric and Electrical**

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-12-950-40D-DIM	119.9	0.1024	11.37	0.9254	1163.1	102.33	5023
	Ra	R9	Rf	Rg	x	y	Duv
	95	82	90	98	0.3448	0.3545	0.00159

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



**Luminous Intensity Distribution Diagram**



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-12-950-40D-DIM	VBU	38.7	2259

Zonal Lumen Density

Deg	Flux (lm)	%
0-5	52.7	4.51
0-10	197.8	16.92
0-15	399.9	34.21
0-20	611.3	52.29
0-25	790.4	67.62
0-30	919.2	78.64
0-35	1001.7	85.70
0-40	1052.5	90.04
0-45	1084.7	92.79
0-50	1107.0	94.70
0-55	1123.9	96.15
0-60	1137.3	97.29
0-65	1147.9	98.20
0-70	1156.2	98.91
0-75	1162.2	99.43
0-80	1166.1	99.76
0-85	1168.2	99.94
0-90	1168.8	99.99

Deg	Flux (lm)	%
0-95	1168.9	100.00
0-100	1168.9	100.00
0-105	1168.9	100.00
0-110	1168.9	100.00
0-115	1168.9	100.00
0-120	1168.9	100.00
0-125	1168.9	100.00
0-130	1168.9	100.00
0-135	1168.9	100.00
0-140	1168.9	100.00
0-145	1168.9	100.00
0-150	1168.9	100.00
0-155	1168.9	100.00
0-160	1168.9	100.00
0-165	1168.9	100.00
0-170	1168.9	100.00
0-175	1168.9	100.00
0-180	1168.9	100.00

$\theta \backslash \phi$	0°	90°	180°	270°
0.0°	2247.2	2247.2	2247.2	2247.2
5.0°	2228.7	2113.4	2123.6	2173.4
10.0°	2028.8	1860.4	1819.6	1903.8
15.0°	1653.0	1492.4	1407.8	1516.1
20.0°	1193.6	1062.9	963.4	1075.8
25.0°	743.8	680.7	571.7	678.4
30.0°	417.4	389.4	310.6	391.7
35.0°	215.0	210.6	163.1	214.7
40.0°	112.5	116.3	89.9	118.5
45.0°	66.2	68.4	56.4	71.5
50.0°	44.8	44.5	39.5	47.8
55.0°	33.4	32.1	29.5	34.4
60.0°	26.0	24.4	22.4	25.8
65.0°	20.2	18.5	16.8	19.4
70.0°	15.3	13.7	12.0	14.3
75.0°	10.7	9.1	7.8	9.5
80.0°	6.7	5.3	4.1	5.6
85.0°	3.3	2.1	1.4	2.4
90.0°	0.8	0.2	0.1	0.3
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': 0.2106 v':0.4886

$\gamma C0-180$	u'	v'	Du'v'	$\gamma C90-270$	u'	v'	Du'v'
-20	0.2102	0.4881	0.0006	-20	0.2101	0.4881	0.0007
-15	0.2105	0.4884	0.0002	-15	0.2103	0.4881	0.0006
-10	0.2108	0.4885	0.0002	-10	0.2107	0.4887	0.0001
-5	0.2110	0.4887	0.0004	-5	0.2109	0.4888	0.0004
0	0.2112	0.4891	0.0008	0	0.2112	0.4891	0.0008
5	0.2109	0.4888	0.0004	5	0.2111	0.4890	0.0006
10	0.2107	0.4888	0.0002	10	0.2110	0.4890	0.0006
15	0.2103	0.4885	0.0003	15	0.2107	0.4888	0.0002
20	0.2102	0.4885	0.0004	20	0.2106	0.4887	0.0001