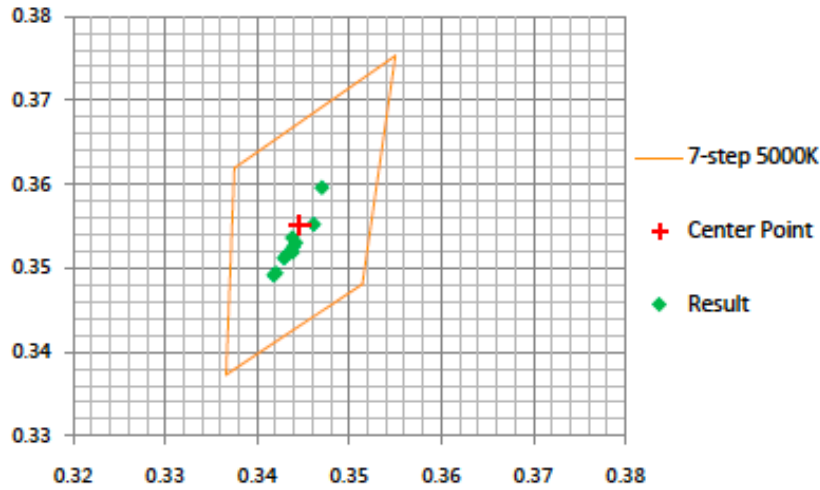


Company: RAB Lighting Inc.
 Model Name: PAR38-12-950-25D-DIM

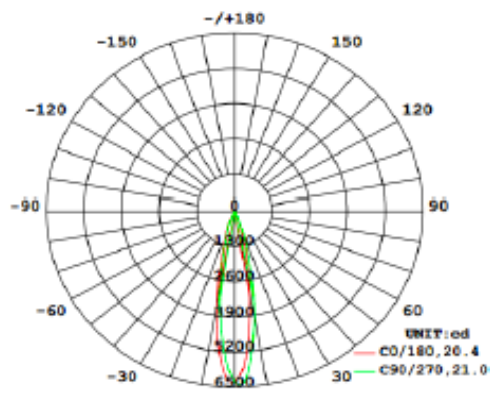
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-12-950-25D-DIM	120	0.103	11.46	0.9276	1202.3	104.94	5073
	Ra	R9	Rf	Rg	x	y	Duv
	95.6	87	90	98	0.3432	0.3516	0.00078

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-12-950-25D-DIM	VBU	20.7	6461

Zonal Lumen Density

Deg	Flux (lm)	%
0-5	138.6	11.62
0-10	440.1	36.89
0-15	721.0	60.45
0-20	906.0	75.96
0-25	1015.3	85.12
0-30	1075.5	90.17
0-35	1107.9	92.88
0-40	1127.6	94.54
0-45	1141.6	95.70
0-50	1152.3	96.60
0-55	1161.3	97.36
0-60	1169.4	98.03
0-65	1176.7	98.65
0-70	1183.0	99.18
0-75	1187.7	99.57
0-80	1190.7	99.83
0-85	1192.3	99.96
0-90	1192.8	100.00

Deg	Flux (lm)	%
0-95	1192.8	100.00
0-100	1192.8	100.00
0-105	1192.8	100.00
0-110	1192.8	100.00
0-115	1192.8	100.00
0-120	1192.8	100.00
0-125	1192.8	100.00
0-130	1192.8	100.00
0-135	1192.8	100.00
0-140	1192.8	100.00
0-145	1192.8	100.00
0-150	1192.8	100.00
0-155	1192.8	100.00
0-160	1192.8	100.00
0-165	1192.8	100.00
0-170	1192.8	100.00
0-175	1192.8	100.00
0-180	1192.8	100.00

$\theta \backslash \phi$	0°	90°	180°	270°
0.0°	6313.7	6313.7	6313.7	6313.7
5.0°	5518.7	4818.9	5088.7	5811.1
10.0°	3481.3	2931.9	3021.4	3879.1
15.0°	1676.1	1372.7	1457.5	2043.7
20.0°	784.4	639.8	657.6	872.5
25.0°	378.4	312.3	298.3	412.0
30.0°	185.7	135.2	132.9	185.5
35.0°	82.6	69.5	66.5	83.8
40.0°	49.8	43.4	41.1	48.2
45.0°	33.2	29.5	28.7	32.6
50.0°	23.1	22.3	21.9	23.7
55.0°	18.3	19.1	18.3	19.2
60.0°	16.0	16.2	16.3	17.0
65.0°	13.8	13.0	13.8	14.8
70.0°	10.8	9.7	10.4	11.7
75.0°	7.6	6.4	7.0	8.2
80.0°	4.5	3.4	3.9	5.1
85.0°	1.9	1.0	1.4	2.3
90.0°	0.2	0.0	0.1	0.4
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': 0.2094 v': 0.4829

$\gamma C0-180$	u'	v'	Du'v'
-15	0.2101	0.4847	0.0019
-10	0.2092	0.4826	0.0004
-5	0.2090	0.4821	0.0009
0	0.2087	0.4815	0.0016
5	0.2090	0.4820	0.0010
10	0.2092	0.4823	0.0006
15	0.2099	0.4843	0.0015

$\gamma C90-270$	u'	v'	Du'v'
-15	0.2095	0.4828	0.0001
-10	0.2093	0.4823	0.0006
-5	0.2091	0.4821	0.0009
0	0.2087	0.4815	0.0016
5	0.2093	0.4831	0.0002
10	0.2090	0.4824	0.0006
15	0.2104	0.4859	0.0032