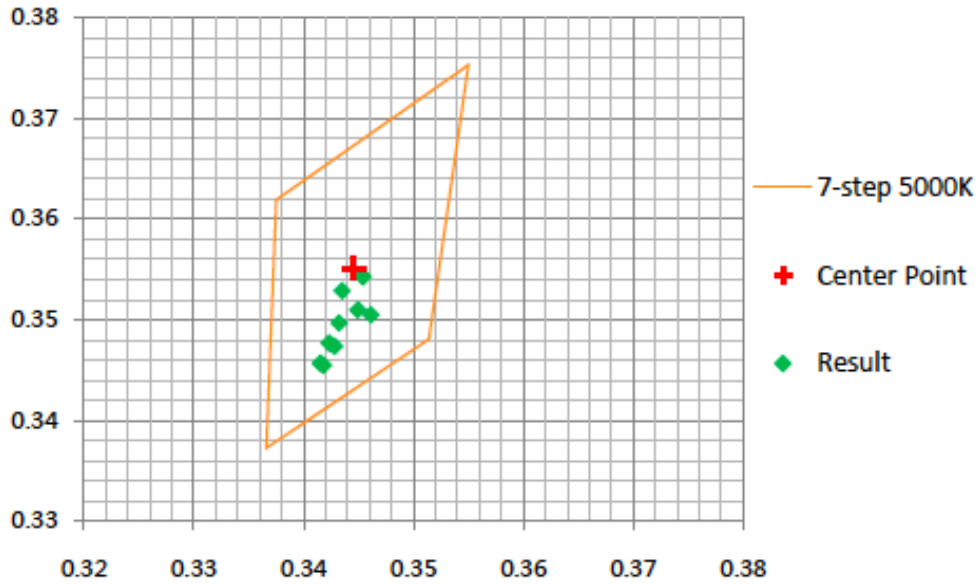


Company: RAB Lighting Inc.
 Model Name: PAR38-16-950-25D-DIM

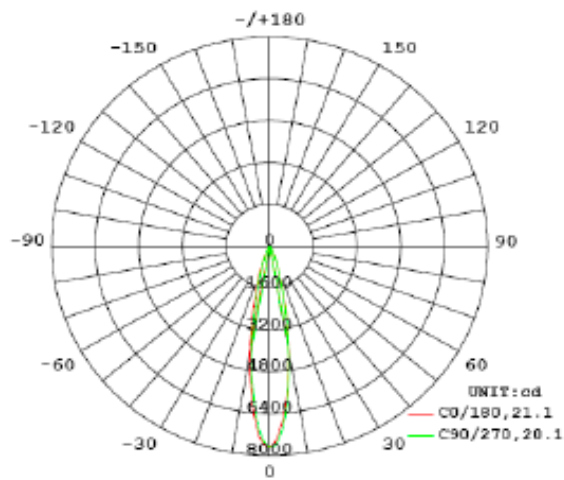
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-16-950-25D-DIM	120	0.1375	15.36	0.9309	1434.6	93.41	5003
	Ra	R9	Rf	Rg	x	y	Duv
	95.5	85	90	99	0.3449	0.351	-0.000227

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-16-950-25D-DIM	VBU	20.6	7707

Zonal Lumen Density

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	168.1	11.71	0-95	1432.2	99.80
0-10	532.5	37.11	0-100	1432.2	99.80
0-15	871.4	60.72	0-105	1432.2	99.80
0-20	1089.6	75.93	0-110	1432.2	99.80
0-25	1215.2	84.68	0-115	1432.2	99.80
0-30	1284.1	89.48	0-120	1432.2	99.80
0-35	1321.7	92.10	0-125	1432.2	99.80
0-40	1345.3	93.74	0-130	1432.3	99.80
0-45	1362.5	94.95	0-135	1432.3	99.81
0-50	1376.5	95.92	0-140	1432.5	99.82
0-55	1388.7	96.77	0-145	1432.8	99.84
0-60	1400.0	97.56	0-150	1433.2	99.87
0-65	1410.4	98.28	0-155	1433.7	99.91
0-70	1418.9	98.87	0-160	1434.2	99.94
0-75	1425.2	99.31	0-165	1434.7	99.97
0-80	1429.4	99.60	0-170	1434.9	99.99
0-85	1431.5	99.75	0-175	1435.0	100.00
0-90	1432.1	99.79	0-180	1435.1	100.00

θ	0°	90°	180°	270°
0.0°	7682.3	7682.3	7682.3	7682.3
5.0°	6550.8	6237.9	6325.0	6533.2
10.0°	4166.4	3726.5	4018.6	4000.1
15.0°	2175.2	1764.8	2011.0	1941.5
20.0°	973.1	787.3	877.7	865.5
25.0°	455.4	359.3	399.3	384.7
30.0°	207.5	160.3	183.0	172.8
35.0°	101.1	83.1	93.0	88.8
40.0°	59.6	52.3	57.7	55.3
45.0°	41.2	36.4	40.7	39.5
50.0°	32.2	29.2	31.3	30.3
55.0°	27.5	25.4	26.5	25.5
60.0°	24.2	22.8	22.7	22.6
65.0°	20.2	19.1	18.4	19.2
70.0°	15.0	14.4	14.0	14.6
75.0°	10.2	9.7	9.5	10.1
80.0°	5.9	5.6	5.5	6.0
85.0°	2.4	2.1	2.2	2.5
90.0°	0.3	0.3	0.3	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°	0.1	0.1	0.0	0.0
130.0°	0.1	0.1	0.1	0.0
135.0°	0.4	0.4	0.1	0.1
140.0°	0.9	0.9	0.3	0.2
145.0°	1.9	1.9	0.5	0.5
150.0°	2.8	2.8	0.8	0.8
155.0°	3.5	3.6	1.1	1.1
160.0°	3.9	4.0	1.1	1.1
165.0°	3.8	3.8	1.0	1.0
170.0°	3.0	3.0	0.9	0.9
175.0°	2.2	2.2	1.0	1.0
180.0°	1.4	1.4	1.5	1.4

Average Weighted
 $u': 0.2097$ $v': 0.4844$

$\gamma C0-180$	u'	v'	$Du'v'$
-15	0.2100	0.4855	0.0011
-10	0.2097	0.4848	0.0004
-5	0.2093	0.4839	0.0006
0	0.2090	0.4833	0.0013
5	0.2094	0.4839	0.0006
10	0.2094	0.4838	0.0007
15	0.2098	0.4846	0.0002

$\gamma C90-270$	u'	v'	$Du'v'$
-15	0.2103	0.4856	0.0013
-10	0.2098	0.4843	0.0001
-5	0.2095	0.4838	0.0006
0	0.2090	0.4833	0.0013
5	0.2095	0.4840	0.0004
10	0.2096	0.4843	0.0001
15	0.2101	0.4857	0.0014