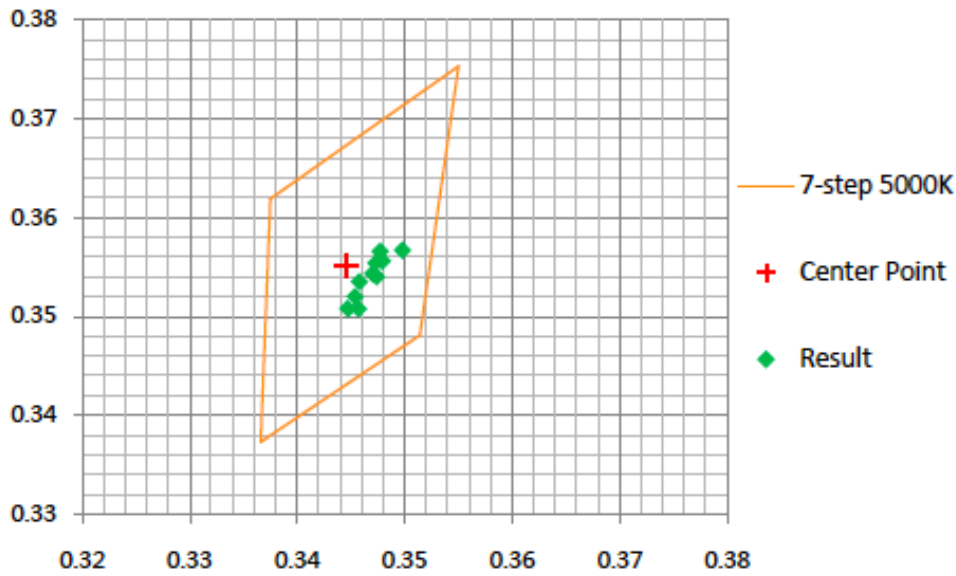


Company: RAB Lighting Inc.
 Model Name: PAR20-7-950-40D-DIM

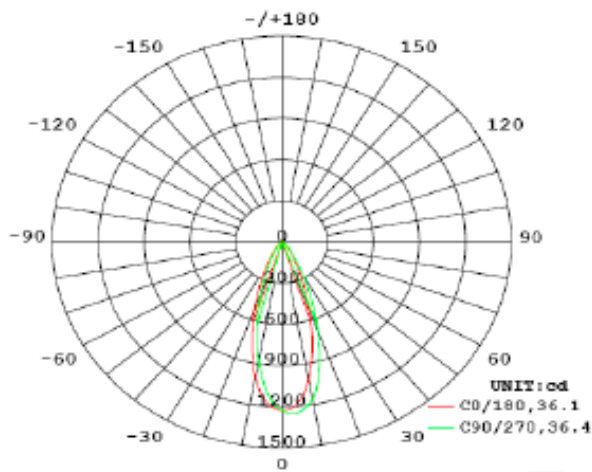
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR20-7-950-40D-DIM	120	0.0596	6.801	0.9506	634.94	93.35	4918
	Ra	R9	Rf	Rg	x	y	Duv
	94	80	89	97	0.3477	0.3566	0.00146

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR20-7-950-40D-DIM	VBU	36.2	1250

Zonal Lumen Density

Deg	Flux (lm)	%
0-5	28.8	4.53
0-10	106.9	16.85
0-15	212.7	33.52
0-20	320.2	50.45
0-25	410.9	64.75
0-30	478.4	75.39
0-35	525.0	82.73
0-40	555.9	87.60
0-45	576.6	90.86
0-50	591.2	93.17
0-55	602.3	94.91
0-60	611.1	96.30
0-65	618.2	97.41
0-70	623.8	98.31
0-75	628.2	99.00
0-80	631.5	99.51
0-85	633.5	99.83
0-90	634.4	99.97

Deg	Flux (lm)	%
0-95	634.6	100.00
0-100	634.6	100.00
0-105	634.6	100.00
0-110	634.6	100.00
0-115	634.6	100.00
0-120	634.6	100.00
0-125	634.6	100.00
0-130	634.6	100.00
0-135	634.6	100.00
0-140	634.6	100.00
0-145	634.6	100.00
0-150	634.6	100.00
0-155	634.6	100.00
0-160	634.6	100.00
0-165	634.6	100.00
0-170	634.6	100.00
0-175	634.6	100.00
0-180	634.6	100.00

θ \ ϕ	0°	90°	180°	270°
0.0°	1228.6	1228.6	1228.6	1228.6
5.0°	1169.5	1104.8	1178.7	1244.6
10.0°	1001.7	876.4	1015.1	1157.5
15.0°	758.6	627.2	772.2	953.5
20.0°	525.1	411.5	527.0	692.0
25.0°	330.6	248.8	333.0	454.8
30.0°	198.9	148.3	199.0	275.0
35.0°	114.6	87.1	116.9	159.9
40.0°	70.4	54.2	71.3	92.9
45.0°	45.2	34.9	45.3	56.5
50.0°	31.3	24.6	30.5	38.9
55.0°	23.0	18.4	21.6	28.0
60.0°	17.6	14.1	15.8	19.4
65.0°	13.6	10.9	12.1	14.7
70.0°	10.5	8.2	9.2	11.3
75.0°	7.9	5.9	6.7	8.5
80.0°	5.5	3.7	4.3	6.1
85.0°	3.1	1.4	2.2	3.8
90.0°	1.0	0.2	0.4	1.7
95.0°	0.0	0.0	0.0	0.2
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': 0.2107 v':0.4877

γ_{C0-180}	u'	v'	Du'v'
-20	0.2109	0.4887	0.0010
-15	0.2107	0.4881	0.0004
-10	0.2108	0.4875	0.0002
-5	0.2107	0.4874	0.0003
0	0.2108	0.4876	0.0001
5	0.2108	0.4875	0.0002
10	0.2108	0.4875	0.0002
15	0.2109	0.4879	0.0003
20	0.2110	0.4884	0.0008

$\gamma_{C90-270}$	u'	v'	Du'v'
-20	0.2107	0.4877	0.0000
-15	0.2107	0.4874	0.0003
-10	0.2107	0.4872	0.0005
-5	0.2106	0.4872	0.0005
0	0.2108	0.4876	0.0001
5	0.2106	0.4873	0.0004
10	0.2106	0.4875	0.0002
15	0.2105	0.4878	0.0002
20	0.2101	0.4876	0.0006