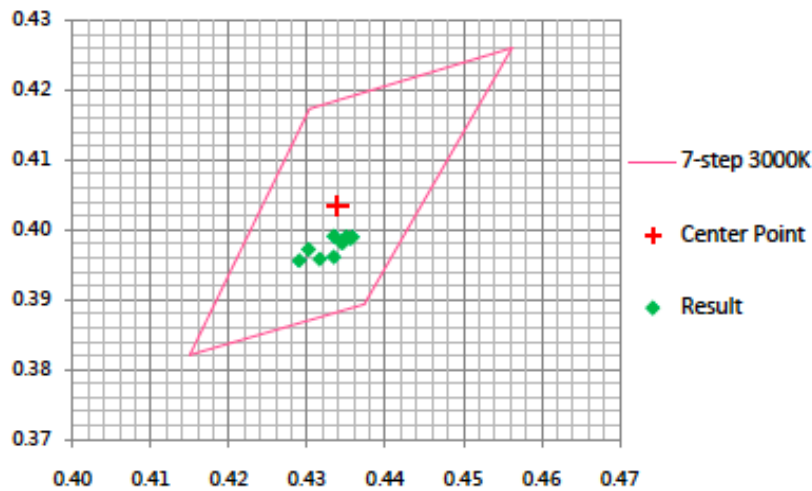


Company: RAB Lighting Inc.
Model Name: PAR38-12-930-40D-DIM

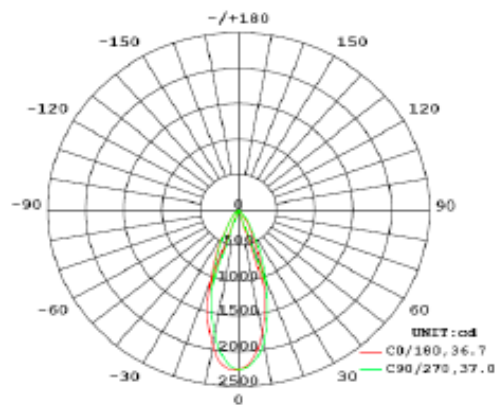
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-12-930-40D-DIM	120	0.104	11.21	0.93	1089.6	97.22	2994
	Ra	R9	Rf	Rg	x	y	Duv
	94.6	72	92	101	0.4344	0.3981	-0.000204

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-12-930-40D-DIM	VBU	36.9	2270

Zonal Lumen Density

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	52.8	4.81	0-95	1096.1	100.00
0-10	196.0	17.88	0-100	1096.1	100.00
0-15	391.5	35.72	0-105	1096.1	100.00
0-20	591.6	53.97	0-110	1096.1	100.00
0-25	757.6	69.12	0-115	1096.1	100.00
0-30	874.6	79.80	0-120	1096.1	100.00
0-35	948.2	86.51	0-125	1096.1	100.00
0-40	992.7	90.57	0-130	1096.1	100.00
0-45	1020.7	93.12	0-135	1096.1	100.00
0-50	1040.3	94.91	0-140	1096.1	100.00
0-55	1055.2	96.27	0-145	1096.1	100.00
0-60	1067.1	97.36	0-150	1096.1	100.00
0-65	1076.6	98.23	0-155	1096.1	100.00
0-70	1084.1	98.91	0-160	1096.1	100.00
0-75	1089.6	99.41	0-165	1096.1	100.00
0-80	1093.3	99.75	0-170	1096.1	100.00
0-85	1095.3	99.93	0-175	1096.1	100.00
0-90	1096.0	99.99	0-180	1096.1	100.00

θ	0°	90°	180°	270°
0.0°	2257.8	2257.8	2257.8	2257.8
5.0°	2218.9	2118.1	2116.6	2167.2
10.0°	1954.9	1801.0	1775.6	1904.5
15.0°	1552.9	1392.2	1327.0	1484.9
20.0°	1092.9	961.1	872.0	1049.7
25.0°	674.7	595.8	501.4	664.1
30.0°	373.7	337.0	262.3	383.8
35.0°	191.2	184.2	136.2	215.6
40.0°	101.9	103.3	75.2	123.9
45.0°	60.2	62.8	48.7	73.9
50.0°	40.4	41.7	35.3	48.6
55.0°	30.1	30.1	26.8	33.7
60.0°	23.3	22.7	20.6	24.3
65.0°	17.8	17.1	15.6	18.0
70.0°	13.3	12.7	11.3	13.3
75.0°	9.3	8.8	7.5	9.0
80.0°	5.9	5.2	4.3	5.4
85.0°	2.9	2.3	1.8	2.5
90.0°	0.7	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' : 0.2514 v' :0.5193

$\gamma C0-180$	u'	v'	$Du'v'$
-20	0.2498	0.5187	0.0017
-15	0.2503	0.5189	0.0012
-10	0.2509	0.5192	0.0005
-5	0.2513	0.5193	0.0001
0	0.2520	0.5196	0.0007
5	0.2521	0.5196	0.0008
10	0.2522	0.5197	0.0009
15	0.2520	0.5198	0.0008
20	0.2522	0.5197	0.0009

$\gamma C90-270$	u'	v'	$Du'v'$
-20	0.2506	0.5187	0.0010
-15	0.2509	0.5190	0.0006
-10	0.2514	0.5192	0.0001
-5	0.2517	0.5194	0.0003
0	0.2520	0.5196	0.0007
5	0.2522	0.5197	0.0009
10	0.2520	0.5197	0.0007
15	0.2518	0.5196	0.0005
20	0.2517	0.5194	0.0003