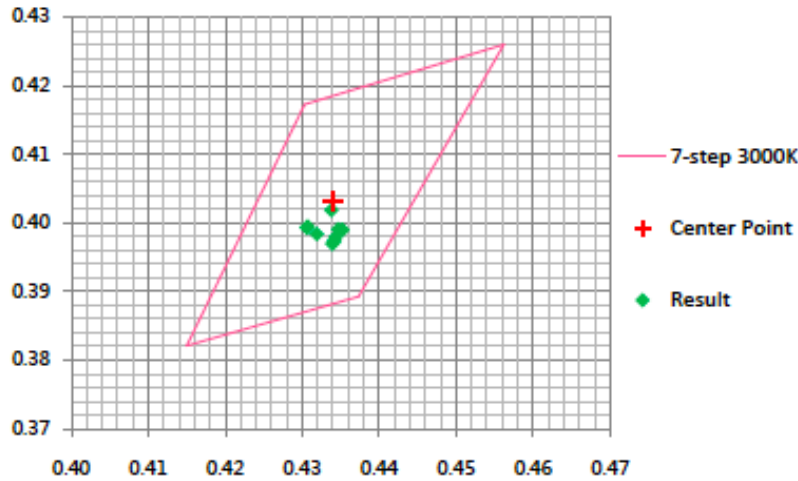


Company: RAB Lighting Inc.  
 Model Name: PAR38-16-930-40D-DIM

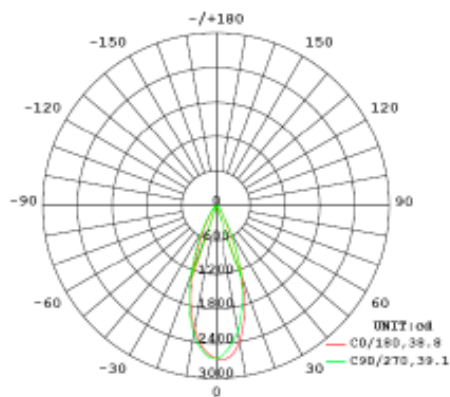
**Initial Photometric and Electrical**

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-16-930-40D-DIM	120	0.1377	15.3	0.926	1382.7	90.38	2992
	Ra	R9	Rf	Rg	x	y	Duv
	94.2	69	92	101	0.4342	0.3974	-0.0023

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



**Luminous Intensity Distribution Diagram**



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-16-930-40D-DIM	VBU	38.9	2678

Zonal Lumen Density

Deg	Flux (lm)	%
0-5	62.2	4.51
0-10	234.2	16.95
0-15	475.9	34.44
0-20	730.2	52.84
0-25	945.6	68.43
0-30	1100.3	79.63
0-35	1198.5	86.74
0-40	1257.6	91.02
0-45	1293.8	93.64
0-50	1318.1	95.39
0-55	1336.0	96.69
0-60	1349.8	97.69
0-65	1360.6	98.47
0-70	1369.0	99.08
0-75	1375.0	99.52
0-80	1379.0	99.80
0-85	1381.0	99.95
0-90	1381.7	100.00

Deg	Flux (lm)	%
0-95	1381.7	100.00
0-100	1381.7	100.00
0-105	1381.7	100.00
0-110	1381.7	100.00
0-115	1381.7	100.00
0-120	1381.7	100.00
0-125	1381.7	100.00
0-130	1381.7	100.00
0-135	1381.7	100.00
0-140	1381.7	100.00
0-145	1381.7	100.00
0-150	1381.7	100.00
0-155	1381.7	100.00
0-160	1381.7	100.00
0-165	1381.7	100.00
0-170	1381.7	100.00
0-175	1381.7	100.00
0-180	1381.7	100.00

$\theta \backslash \Phi$	0°	90°	180°	270°
0.0°	2652.5	2652.5	2652.5	2652.5
5.0°	2507.0	2553.0	2651.9	2501.6
10.0°	2184.4	2258.9	2392.0	2213.2
15.0°	1734.2	1806.9	1926.6	1774.7
20.0°	1185.9	1279.1	1352.1	1288.1
25.0°	701.8	825.7	815.8	850.5
30.0°	373.4	493.2	432.1	510.1
35.0°	189.1	272.6	216.7	287.8
40.0°	98.7	152.5	113.8	163.0
45.0°	59.2	91.4	66.1	95.3
50.0°	40.6	58.7	43.7	59.6
55.0°	31.6	39.3	32.3	39.9
60.0°	24.5	27.7	24.8	27.7
65.0°	18.6	20.0	18.6	19.9
70.0°	13.6	14.6	13.5	14.6
75.0°	9.0	9.8	8.9	9.9
80.0°	5.1	5.7	5.3	5.8
85.0°	2.1	2.3	2.3	2.5
90.0°	0.2	0.3	0.3	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	0.0	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':0.2518 v': 0.5191

$\gamma C0-180$	u'	v'	Du'v'
-20	0.2504	0.5184	0.0016
-15	0.2505	0.5184	0.0015
-10	0.2510	0.5188	0.0009
-5	0.2517	0.5190	0.0001
0	0.2523	0.5192	0.0005
5	0.2525	0.5193	0.0007
10	0.2527	0.5195	0.0010
15	0.2523	0.5195	0.0006
20	0.2527	0.5197	0.0011

$\gamma C90-270$	u'	v'	Du'v'
-20	0.2521	0.5194	0.0004
-15	0.2519	0.5193	0.0002
-10	0.2522	0.5193	0.0004
-5	0.2522	0.5192	0.0004
0	0.2523	0.5192	0.0005
5	0.2522	0.5191	0.0004
10	0.2518	0.5190	0.0001
15	0.2513	0.5189	0.0005
20	0.2514	0.5189	0.0004