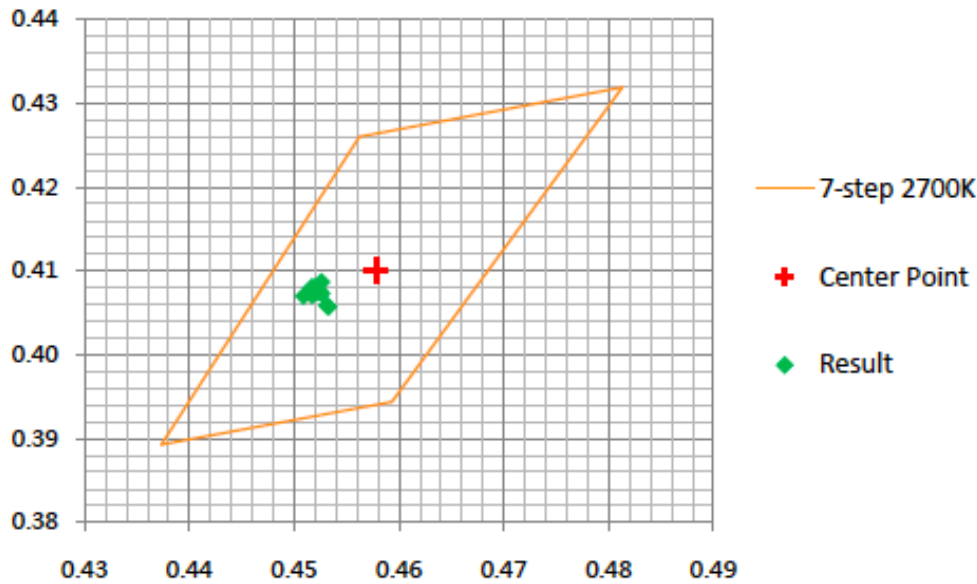


Company: RAB Lighting Inc.
Model Name: PAR38-16-927-40D-DIM

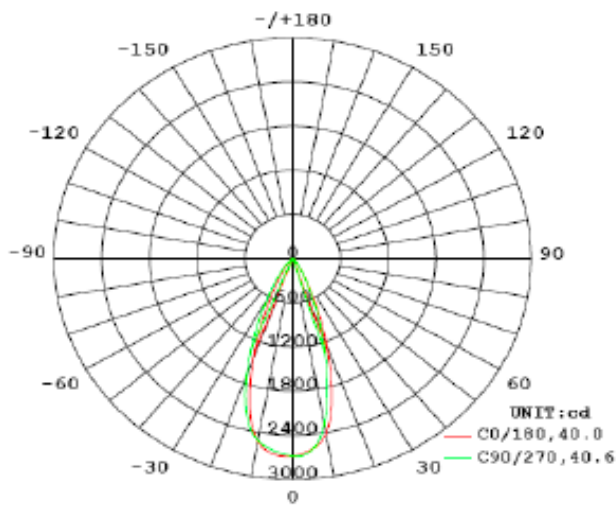
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-16-927-40D-DIM	120	0.1377	15.28	0.925	1426.2	93.34	2756
	Ra	R9	Rf	Rg	x	y	Duv
	91.9	54	90	99	0.4533	0.4057	-0.00126

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR38-16-927-40D-DIM	VBU	40.3	2696

Zonal Lumen Density

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	63.6	4.42	0-95	1436.7	99.83
0-10	245.4	17.05	0-100	1436.7	99.83
0-15	507.5	35.27	0-105	1436.7	99.83
0-20	782.3	54.36	0-110	1436.7	99.83
0-25	1009.9	70.18	0-115	1436.7	99.83
0-30	1167.0	81.10	0-120	1436.7	99.84
0-35	1261.9	87.69	0-125	1436.7	99.84
0-40	1314.4	91.33	0-130	1436.8	99.84
0-45	1345.1	93.47	0-135	1436.9	99.85
0-50	1367.1	95.00	0-140	1437.0	99.86
0-55	1385.0	96.24	0-145	1437.3	99.88
0-60	1399.9	97.28	0-150	1437.6	99.90
0-65	1412.1	98.13	0-155	1438.0	99.92
0-70	1421.8	98.80	0-160	1438.4	99.95
0-75	1428.9	99.29	0-165	1438.7	99.97
0-80	1433.4	99.61	0-170	1438.9	99.99
0-85	1435.8	99.77	0-175	1439.0	100.00
0-90	1436.6	99.83	0-180	1439.1	100.00

θ	0°	90°	180°	270°
0.0°	2684.5	2684.5	2684.5	2684.5
5.0°	2672.9	2623.0	2609.8	2627.3
10.0°	2517.2	2509.7	2415.2	2287.3
15.0°	2092.2	2222.0	1926.8	1678.6
20.0°	1441.8	1704.2	1257.5	1069.1
25.0°	850.2	1112.5	691.9	609.9
30.0°	448.8	653.0	348.2	326.3
35.0°	215.0	360.5	164.5	168.1
40.0°	104.0	190.9	80.7	90.0
45.0°	60.4	102.4	52.1	57.7
50.0°	44.9	62.7	42.0	42.5
55.0°	36.5	43.8	35.2	32.5
60.0°	29.2	33.3	28.2	25.1
65.0°	22.5	25.9	21.5	18.9
70.0°	16.5	19.7	15.9	13.8
75.0°	11.1	14.3	10.4	8.2
80.0°	6.1	8.7	5.9	4.1
85.0°	2.6	4.5	2.5	1.1
90.0°	0.3	1.3	0.2	0.0
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	0.1	0.1
130.0°	0.2	0.2	0.1	0.1
135.0°	0.5	0.4	0.2	0.2
140.0°	0.9	0.8	0.3	0.3
145.0°	1.5	1.4	0.5	0.5
150.0°	2.0	1.9	0.6	0.7
155.0°	2.5	2.4	0.9	0.9
160.0°	2.8	2.7	1.0	1.0
165.0°	2.9	2.8	1.1	1.1
170.0°	2.6	2.5	1.2	1.1
175.0°	2.2	2.2	1.4	1.3
180.0°	1.8	1.7	1.8	1.8

Average Weighted
 $u': 0.2601$ $v': 0.5246$

$\gamma \backslash C0-180$	u'	v'	$Du'v'$	$\gamma \backslash C90-270$	u'	v'	$Du'v'$
-25	0.2602	0.5245	0.0001	-25	0.2595	0.5240	0.0008
-20	0.2600	0.5246	0.0001	-20	0.2598	0.5243	0.0004
-15	0.2598	0.5245	0.0005	-15	0.2598	0.5243	0.0004
-10	0.2600	0.5245	0.0001	-10	0.2598	0.5242	0.0005
-5	0.2598	0.5244	0.0004	-5	0.2595	0.5242	0.0007
0	0.2597	0.5243	0.0005	0	0.2597	0.5243	0.0005
5	0.2600	0.5245	0.0001	5	0.2600	0.5245	0.0001
10	0.2605	0.5247	0.0004	10	0.2601	0.5248	0.0002
15	0.2601	0.5245	0.0001	15	0.2604	0.5250	0.0005
20	0.2605	0.5246	0.0004	20	0.2607	0.5252	0.0008
25	0.2609	0.5245	0.0008	25	0.2604	0.5251	0.0006