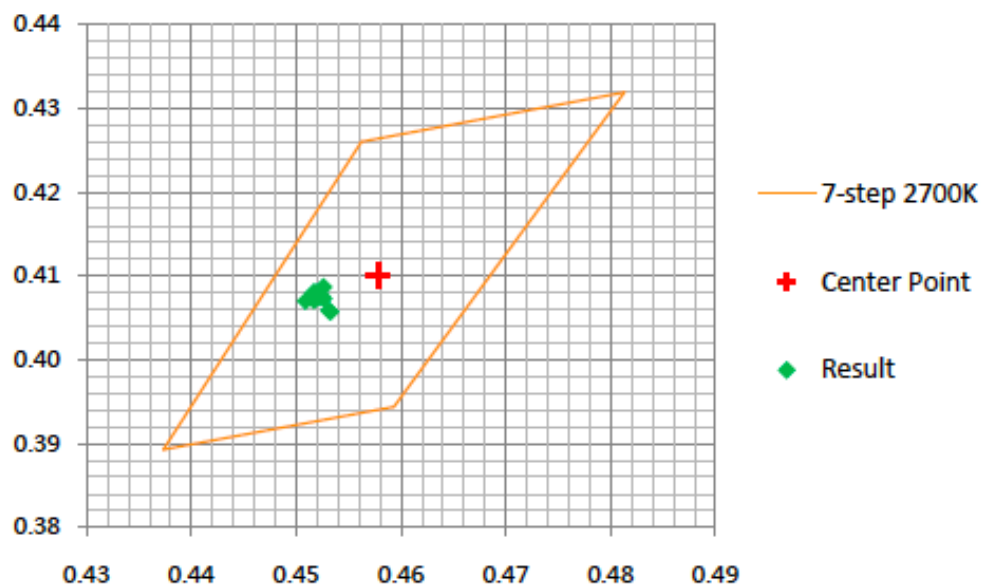


Company: RAB Lighting Inc.
 Model Name: PAR38-16-927-25D-DIM

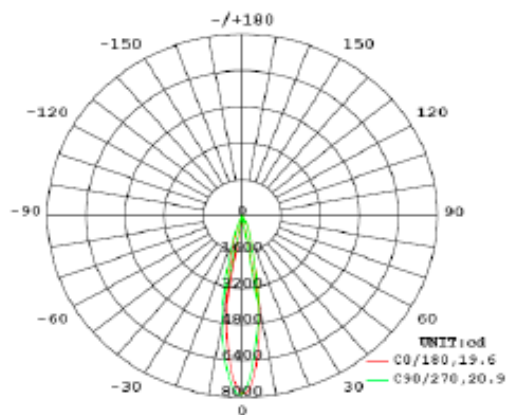
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR38-16-927-25D-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)
PAR38-16-927-25D-DIM	VBU	20.2	7897

Zonal Lumen Density

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	170.2	12.22	0-95	1392.5	100.00
0-10	534.6	38.39	0-100	1392.5	100.00
0-15	867.6	62.30	0-105	1392.5	100.00
0-20	1082.1	77.71	0-110	1392.5	100.00
0-25	1204.8	86.52	0-115	1392.5	100.00
0-30	1268.1	91.06	0-120	1392.5	100.00
0-35	1300.6	93.40	0-125	1392.5	100.00
0-40	1320.5	94.83	0-130	1392.5	100.00
0-45	1334.6	95.84	0-135	1392.5	100.00
0-50	1345.8	96.64	0-140	1392.5	100.00
0-55	1355.5	97.34	0-145	1392.5	100.00
0-60	1364.7	98.00	0-150	1392.5	100.00
0-65	1373.3	98.62	0-155	1392.5	100.00
0-70	1380.7	99.15	0-160	1392.5	100.00
0-75	1386.4	99.56	0-165	1392.5	100.00
0-80	1390.1	99.82	0-170	1392.5	100.00
0-85	1392.0	99.96	0-175	1392.5	100.00
0-90	1392.5	100.00	0-180	1392.5	100.00

Φ θ	0°	90°	180°	270°
0.0°	7838.4	7838.4	7838.4	7838.4
5.0°	6317.9	6943.3	6613.5	6035.0
10.0°	3685.2	4685.4	3940.0	3674.9
15.0°	1887.1	2401.2	1801.0	1750.0
20.0°	780.8	990.8	842.3	792.7
25.0°	329.9	470.2	366.2	369.2
30.0°	136.4	185.4	148.2	161.0
35.0°	73.4	84.7	73.3	74.6
40.0°	44.4	51.5	43.9	45.6
45.0°	30.2	34.5	30.1	31.7
50.0°	23.4	25.7	23.2	24.8
55.0°	20.2	21.5	20.1	21.7
60.0°	17.9	19.2	18.5	19.8
65.0°	15.6	16.9	16.8	16.9
70.0°	12.5	13.3	13.3	12.6
75.0°	8.6	9.3	9.2	8.2
80.0°	4.9	5.6	5.4	4.5
85.0°	1.8	2.5	2.2	1.5
90.0°	0.1	0.3	0.2	0.1
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	0.1	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°	0.1	0.1	0.0	0.0

Average Weighted
 $u': 0.2590$ $v': 0.5232$

$\gamma \backslash C0-180$	u'	v'	$Du'v'$
-15	0.2611	0.5237	0.0022
-10	0.2588	0.5232	0.0002
-5	0.2586	0.5235	0.0005
0	0.2580	0.5233	0.0010
5	0.2584	0.5233	0.0006
10	0.2589	0.5230	0.0002
15	0.2609	0.5232	0.0019

$\gamma \backslash C90-270$	u'	v'	$Du'v'$
-15	0.2604	0.5234	0.0014
-10	0.2583	0.5229	0.0008
-5	0.2587	0.5235	0.0004
0	0.2580	0.5233	0.0010
5	0.2584	0.5234	0.0006
10	0.2584	0.5231	0.0006
15	0.2587	0.5226	0.0007