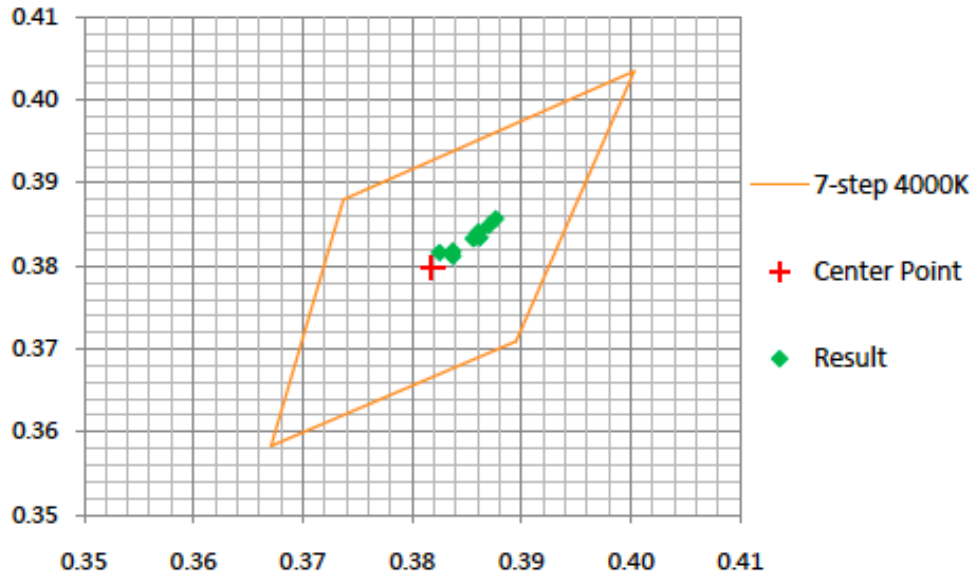


Company: RAB Lighting Inc.
 Model Name: PAR20-7-940-40D-DIM

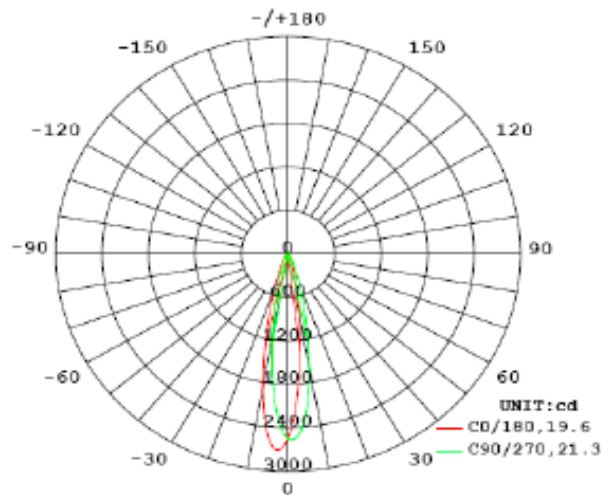
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
PAR20-7-940-40D-DIM	120	0.05925	6.755	0.9498	619.42	91.69	3950
	Ra	R9	Rf	Rg	x	y	Duv
	92.3	67	87	96	0.3837	0.3818	0.00141

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
PAR20-7-940-40D-DIM	VBU	20.5	2769

Zonal Lumen Density

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	56.2	9.12	0-95	616.7	100.00
0-10	180.4	29.26	0-100	616.7	100.00
0-15	299.8	48.61	0-105	616.7	100.00
0-20	384.5	62.35	0-110	616.7	100.00
0-25	440.0	71.34	0-115	616.7	100.00
0-30	479.4	77.73	0-120	616.7	100.00
0-35	510.3	82.75	0-125	616.7	100.00
0-40	535.3	86.80	0-130	616.7	100.00
0-45	555.3	90.04	0-135	616.7	100.00
0-50	571.3	92.63	0-140	616.7	100.00
0-55	583.8	94.66	0-145	616.7	100.00
0-60	593.8	96.27	0-150	616.7	100.00
0-65	601.5	97.53	0-155	616.7	100.00
0-70	607.5	98.49	0-160	616.7	100.00
0-75	611.7	99.19	0-165	616.7	100.00
0-80	614.5	99.64	0-170	616.7	100.00
0-85	616.1	99.89	0-175	616.8	100.00
0-90	616.6	99.98	0-180	616.8	100.00

$\theta \backslash \Phi$	0°	90°	180°	270°
0.0°	2548.4	2548.4	2548.4	2548.4
5.0°	2615.7	1999.5	1693.1	2349.8
10.0°	1859.7	1149.4	845.9	1619.5
15.0°	1022.8	570.5	382.0	883.1
20.0°	515.1	281.8	198.1	438.8
25.0°	255.6	160.9	126.0	231.0
30.0°	156.8	107.7	90.0	144.1
35.0°	109.5	77.0	65.6	99.5
40.0°	79.3	55.4	47.1	71.3
45.0°	58.0	40.2	34.8	51.5
50.0°	41.1	29.7	25.5	37.5
55.0°	29.8	22.3	19.1	27.7
60.0°	22.2	16.7	14.4	20.5
65.0°	16.5	12.4	10.7	15.3
70.0°	12.0	8.8	7.5	11.1
75.0°	8.3	5.8	4.8	7.5
80.0°	5.2	3.2	2.6	4.7
85.0°	2.7	1.3	0.9	2.4
90.0°	0.9	0.2	0.1	0.7
95.0°	0.1	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	0.1	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
 $u': 0.2245$ $v': 0.5027$

$\gamma C0-180$	u'	v'	$Du'v'$
-15	0.2249	0.5028	0.0004
-10	0.2238	0.5018	0.0011
-5	0.2238	0.5020	0.0010
0	0.2243	0.5024	0.0004
5	0.2244	0.5023	0.0004
10	0.2257	0.5041	0.0018
15	0.2260	0.5051	0.0028

$\gamma C90-270$	u'	v'	$Du'v'$
-15	0.2252	0.5039	0.0014
-10	0.2241	0.5021	0.0007
-5	0.2241	0.5024	0.0005
0	0.2243	0.5024	0.0004
5	0.2241	0.5020	0.0008
10	0.2247	0.5028	0.0002
15	0.2250	0.5032	0.0007