

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1244877

Luminaire Tested: PRLX-MIN-L-940-27L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-940-27L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

Summary

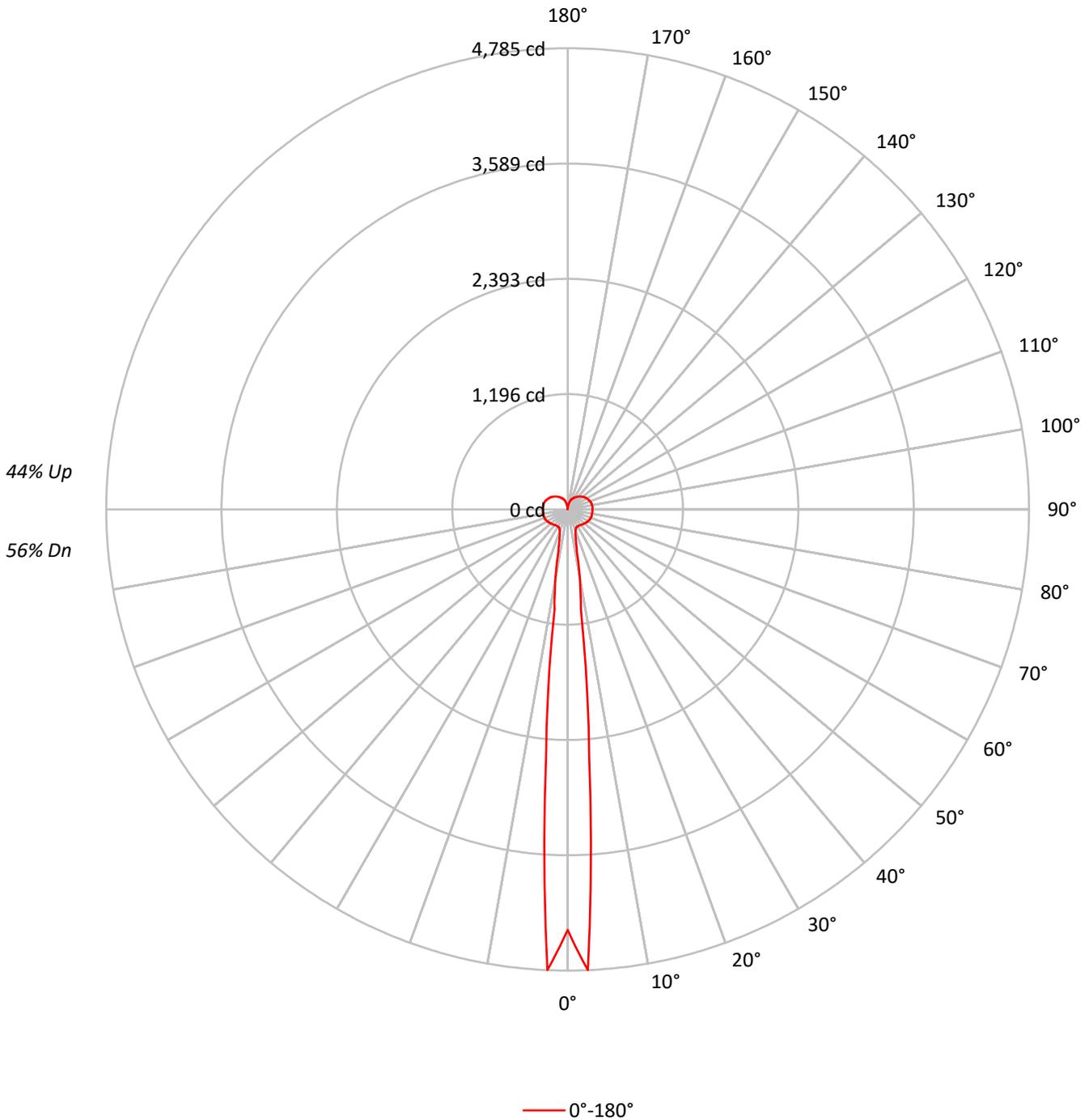
Lumens per Lamp: N/A
Luminaire Lumens: 3008.9 lumens
Efficiency: N/A
Efficacy: 43.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 69.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

TEST NUMBER: P1244877

CATALOG NUMBER: PRLX-MIN-L-940-27L-U-OW

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	43	37	60	48	40	34	41	35	30	35	30	26	29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	137985
5°	63276
10°	14750
15°	5631
20°	3637
25°	2895
30°	2572
35°	2404
40°	2325
45°	2287
50°	2269
55°	2284
60°	2300
65°	2333
70°	2355
75°	2380
80°	2383
85°	2432

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2487 cd/sqm



TEST NUMBER: P1244877

CATALOG NUMBER: PRLX-MIN-L-940-27L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.0	6.1
10°-20°	101.3	3.4
20°-30°	98.7	3.3
30°-40°	129.5	4.3
40°-50°	169.8	5.6
50°-60°	211.4	7.0
60°-70°	248.6	8.3
70°-80°	271.9	9.0
80°-90°	281.2	9.3
90°-100°	281.6	9.4
100°-110°	267.7	8.9
110°-120°	236.9	7.9
120°-130°	195.0	6.5
130°-140°	147.2	4.9
140°-150°	99.5	3.3
150°-160°	58.2	1.9
160°-170°	24.0	0.8
170°-180°	2.3	0.1
0°-30°	384.0	12.8
0°-40°	513.5	17.1
0°-60°	894.7	29.7
0°-90°	1696.5	56.4
90°-120°	786.2	26.1
90°-150°	1227.9	40.8
90°-180°	1312.0	43.6
0°-180°	3008.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4362	
5°	2565	184
15°	323	101
25°	210	99
35°	206	130
45°	219	170
55°	236	211
65°	251	249
75°	258	272
85°	258	210
90°	258	142
95°	258	211
105°	254	268
115°	239	237
125°	218	195
135°	190	147
145°	157	99
155°	125	58
165°	85	24
175°	12	2
180°	2	

TEST NUMBER: P1244877

CATALOG NUMBER: PRLX-MIN-L-940-27L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4361.6
2.5°	4784.6
5°	2565.3
7.5°	1043.9
10°	725.2
12.5°	444.2
15°	323.3
17.5°	268.9
20°	237.2
22.5°	220.6
25°	210.0
27.5°	205.5
30°	204.0
32.5°	204.0
35°	205.5
37.5°	207.0
40°	211.5
42.5°	214.5
45°	219.1
47.5°	223.6
50°	226.6
52.5°	231.1
55°	235.7
57.5°	240.2
60°	243.2
62.5°	247.8
65°	250.8
67.5°	253.8
70°	255.3
72.5°	256.8
75°	258.3
77.5°	256.8
80°	256.8
82.5°	256.8
85°	258.3
87.5°	258.3
90°	258.3
92.5°	258.3
95°	258.3
97.5°	258.3
100°	256.8
102.5°	255.3
105°	253.8
107.5°	250.8
110°	247.8

TEST NUMBER: P1244877

CATALOG NUMBER: PRLX-MIN-L-940-27L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	243.2
115°	238.7
117.5°	234.2
120°	228.1
122.5°	223.6
125°	217.5
127.5°	211.5
130°	204.0
132.5°	197.9
135°	190.4
137.5°	181.3
140°	173.7
142.5°	166.2
145°	157.1
147.5°	149.6
150°	142.0
152.5°	132.9
155°	125.4
157.5°	116.3
160°	107.3
162.5°	96.7
165°	84.6
167.5°	68.0
170°	46.8
172.5°	28.7
175°	12.1
177.5°	3.0
180°	1.5



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.5	11.5	11.4	12.4	13.6	10.5	11.5	11.4	12.4	13.6
	3H	13.5	14.4	14.4	15.4	16.6	13.5	14.4	14.4	15.4	16.6
	4H	14.9	15.8	15.8	16.8	18.0	14.9	15.8	15.8	16.8	18.0
	6H	16.3	17.2	17.2	18.1	19.3	16.3	17.2	17.2	18.1	19.3
	8H	17.0	17.8	17.9	18.8	20.0	17.0	17.8	17.9	18.8	20.0
	12H	17.6	18.4	18.6	19.4	20.6	17.6	18.4	18.6	19.4	20.6
4H	2H	11.3	12.2	12.2	13.1	14.3	11.3	12.2	12.2	13.1	14.3
	3H	14.4	15.2	15.4	16.2	17.4	14.4	15.2	15.4	16.2	17.4
	4H	16.0	16.8	16.9	17.7	19.0	16.0	16.8	16.9	17.7	19.0
	6H	17.6	18.2	18.5	19.2	20.5	17.6	18.2	18.5	19.2	20.5
	8H	18.3	19.0	19.3	19.9	21.2	18.3	19.0	19.3	19.9	21.2
	12H	19.1	19.7	20.1	20.7	21.9	19.1	19.7	20.1	20.7	21.9
8H	4H	16.5	17.2	17.5	18.1	19.4	16.5	17.2	17.5	18.1	19.4
	6H	18.3	18.8	19.3	19.8	21.1	18.3	18.8	19.3	19.8	21.1
	8H	19.2	19.7	20.2	20.7	21.9	19.2	19.7	20.2	20.7	21.9
	12H	20.1	20.6	21.1	21.6	22.9	20.1	20.6	21.1	21.6	22.9
12H	4H	16.6	17.2	17.6	18.2	19.5	16.6	17.2	17.6	18.2	19.5
	6H	18.5	19.0	19.5	20.0	21.2	18.5	19.0	19.5	20.0	21.2
	8H	19.5	19.9	20.4	20.9	22.2	19.5	19.9	20.4	20.9	22.2

(END OF REPORT)