

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: P1244804

Luminaire Tested: PRLX-MIN-L-927-27L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244804
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-927-27L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

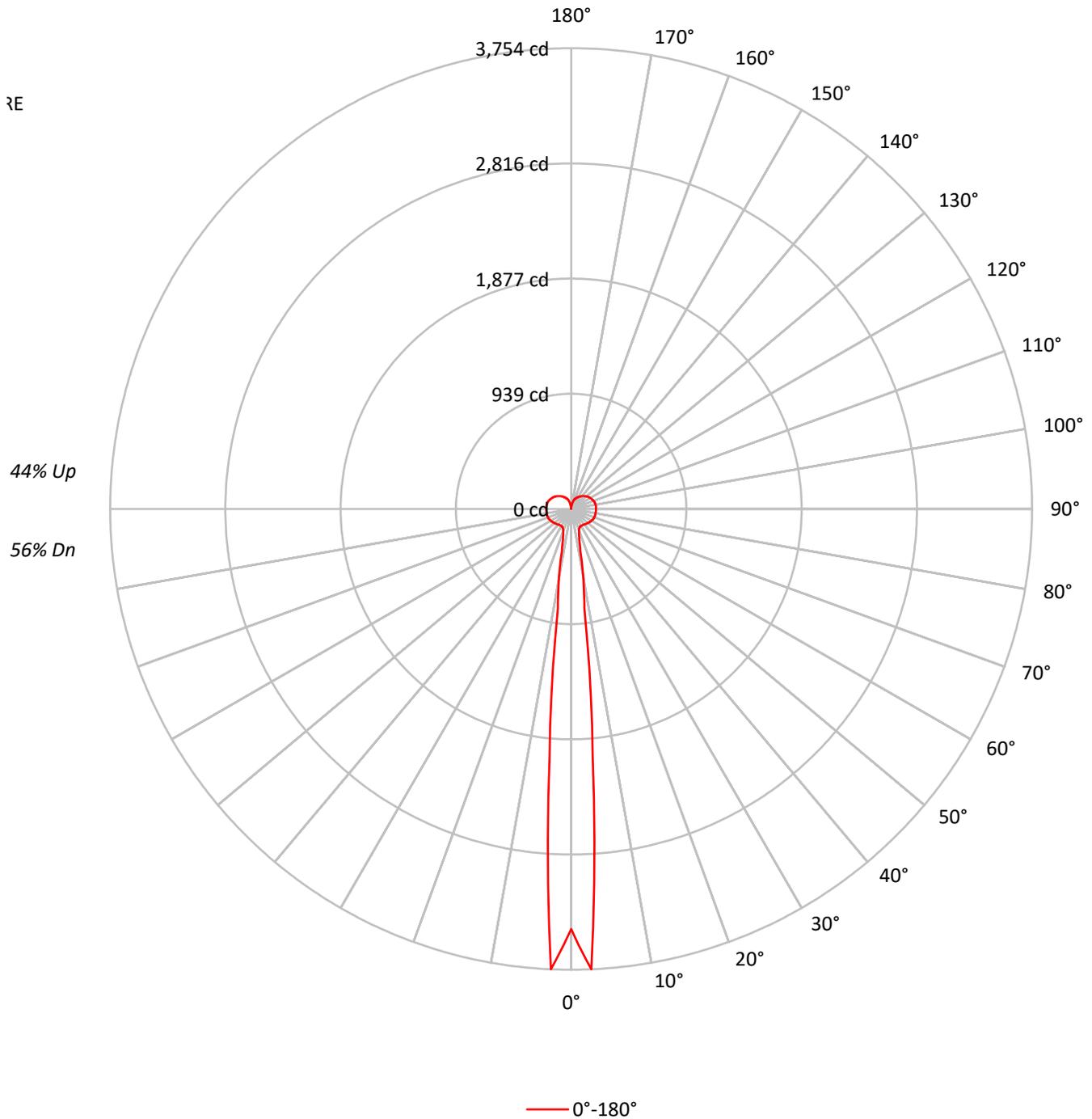
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2360.9 lumens
Efficiency: N/A
Efficacy: 34.0 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 (Ain): 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

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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°	108269
5°	49648
10°	11573
15°	4419
20°	2853
25°	2272
30°	2017
35°	1886
40°	1825
45°	1794
50°	1780
55°	1791
60°	1805
65°	1831
70°	1848
75°	1868
80°	1870
85°	1908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1952 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.4	6.1
10°-20°	79.5	3.4
20°-30°	77.4	3.3
30°-40°	101.6	4.3
40°-50°	133.2	5.6
50°-60°	165.9	7.0
60°-70°	195.1	8.3
70°-80°	213.3	9.0
80°-90°	220.7	9.3
90°-100°	221.0	9.4
100°-110°	210.1	8.9
110°-120°	185.9	7.9
120°-130°	153.0	6.5
130°-140°	115.5	4.9
140°-150°	78.0	3.3
150°-160°	45.7	1.9
160°-170°	18.8	0.8
170°-180°	1.8	0.1
0°-30°	301.3	12.8
0°-40°	402.9	17.1
0°-60°	702.0	29.7
0°-90°	1331.1	56.4
90°-120°	616.9	26.1
90°-150°	963.5	40.8
90°-180°	1030.0	43.6
0°-180°	2360.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3422	
5°	2013	144
15°	254	79
25°	165	77
35°	161	102
45°	172	133
55°	185	166
65°	197	195
75°	203	213
85°	203	165
90°	203	111
95°	203	165
105°	199	210
115°	187	186
125°	171	153
135°	149	115
145°	123	78
155°	98	46
165°	66	19
175°	10	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3422.3
2.5°	3754.2
5°	2012.8
7.5°	819.1
10°	569.0
12.5°	348.5
15°	253.7
17.5°	211.0
20°	186.1
22.5°	173.1
25°	164.8
27.5°	161.2
30°	160.0
32.5°	160.0
35°	161.2
37.5°	162.4
40°	166.0
42.5°	168.3
45°	171.9
47.5°	175.4
50°	177.8
52.5°	181.4
55°	184.9
57.5°	188.5
60°	190.9
62.5°	194.4
65°	196.8
67.5°	199.1
70°	200.3
72.5°	201.5
75°	202.7
77.5°	201.5
80°	201.5
82.5°	201.5
85°	202.7
87.5°	202.7
90°	202.7
92.5°	202.7
95°	202.7
97.5°	202.7
100°	201.5
102.5°	200.3
105°	199.1
107.5°	196.8
110°	194.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	190.9
115°	187.3
117.5°	183.7
120°	179.0
122.5°	175.4
125°	170.7
127.5°	166.0
130°	160.0
132.5°	155.3
135°	149.4
137.5°	142.2
140°	136.3
142.5°	130.4
145°	123.3
147.5°	117.4
150°	111.4
152.5°	104.3
155°	98.4
157.5°	91.3
160°	84.2
162.5°	75.9
165°	66.4
167.5°	53.3
170°	36.7
172.5°	22.5
175°	9.5
177.5°	2.4
180°	1.2



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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	9.7	10.7	10.5	11.6	12.8	9.7	10.7	10.5	11.6	12.8
	3H	12.7	13.6	13.5	14.5	15.7	12.7	13.6	13.5	14.5	15.7
	4H	14.1	15.0	15.0	15.9	17.1	14.1	15.0	15.0	15.9	17.1
	6H	15.5	16.3	16.4	17.3	18.5	15.5	16.3	16.4	17.3	18.5
	8H	16.1	17.0	17.1	17.9	19.1	16.1	17.0	17.1	17.9	19.1
	12H	16.8	17.6	17.7	18.5	19.8	16.8	17.6	17.7	18.5	19.8
4H	2H	10.4	11.3	11.3	12.3	13.5	10.4	11.3	11.3	12.3	13.5
	3H	13.6	14.4	14.5	15.4	16.6	13.6	14.4	14.5	15.4	16.6
	4H	15.2	15.9	16.1	16.9	18.1	15.2	15.9	16.1	16.9	18.1
	6H	16.7	17.4	17.7	18.4	19.6	16.7	17.4	17.7	18.4	19.6
	8H	17.5	18.1	18.4	19.1	20.3	17.5	18.1	18.4	19.1	20.3
	12H	18.3	18.8	19.2	19.8	21.1	18.3	18.8	19.2	19.8	21.1
8H	4H	15.7	16.3	16.6	17.3	18.5	15.7	16.3	16.6	17.3	18.5
	6H	17.5	18.0	18.4	19.0	20.2	17.5	18.0	18.4	19.0	20.2
	8H	18.4	18.8	19.3	19.8	21.1	18.4	18.8	19.3	19.8	21.1
	12H	19.3	19.7	20.3	20.7	22.0	19.3	19.7	20.3	20.7	22.0
12H	4H	15.8	16.4	16.8	17.4	18.6	15.8	16.4	16.8	17.4	18.6
	6H	17.6	18.1	18.6	19.1	20.4	17.6	18.1	18.6	19.1	20.4
	8H	18.6	19.1	19.6	20.0	21.4	18.6	19.1	19.6	20.0	21.4

(END OF REPORT)