

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: P1244828

Luminaire Tested: PRLX-MIN-L-930-27L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244828
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-930-27L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

Summary

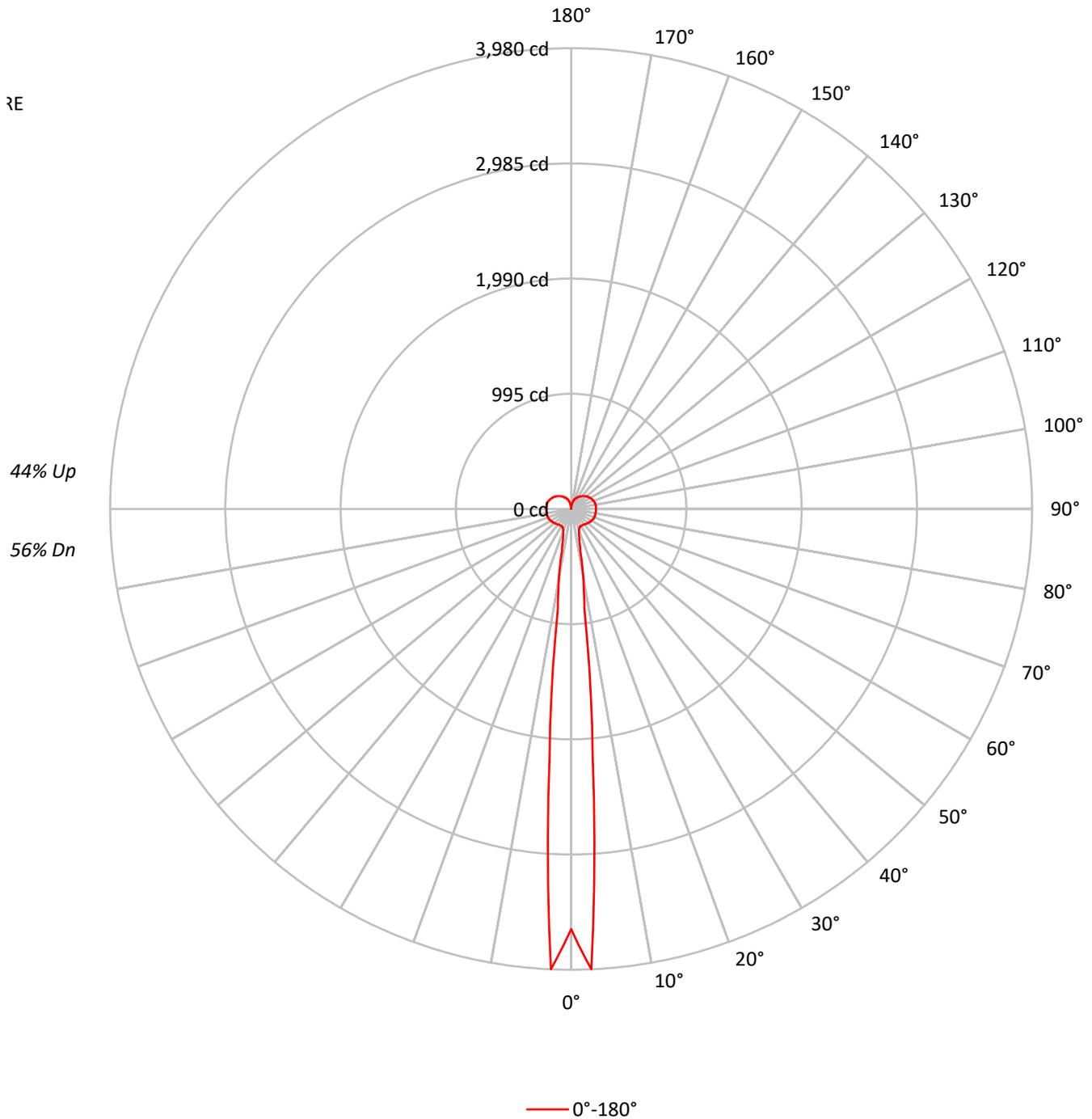
Lumens per Lamp: N/A
Luminaire Lumens: 2502.9 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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°	114780
5°	52635
10°	12269
15°	4683
20°	3025
25°	2408
30°	2140
35°	2000
40°	1933
45°	1902
50°	1887
55°	1899
60°	1913
65°	1941
70°	1959
75°	1980
80°	1982
85°	2023

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2069 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.0	6.1
10°-20°	84.3	3.4
20°-30°	82.1	3.3
30°-40°	107.7	4.3
40°-50°	141.3	5.6
50°-60°	175.9	7.0
60°-70°	206.8	8.3
70°-80°	226.2	9.0
80°-90°	233.9	9.3
90°-100°	234.3	9.4
100°-110°	222.7	8.9
110°-120°	197.0	7.9
120°-130°	162.3	6.5
130°-140°	122.4	4.9
140°-150°	82.7	3.3
150°-160°	48.4	1.9
160°-170°	20.0	0.8
170°-180°	1.9	0.1
0°-30°	319.4	12.8
0°-40°	427.1	17.1
0°-60°	744.3	29.7
0°-90°	1411.2	56.4
90°-120°	654.0	26.1
90°-150°	1021.4	40.8
90°-180°	1092.0	43.6
0°-180°	2502.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3628	
5°	2134	153
15°	269	84
25°	175	82
35°	171	108
45°	182	141
55°	196	176
65°	209	207
75°	215	226
85°	215	175
90°	215	118
95°	215	175
105°	211	223
115°	199	197
125°	181	162
135°	158	122
145°	131	83
155°	104	48
165°	70	20
175°	10	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3628.1
2.5°	3980.0
5°	2133.9
7.5°	868.4
10°	603.2
12.5°	369.5
15°	268.9
17.5°	223.7
20°	197.3
22.5°	183.5
25°	174.7
27.5°	170.9
30°	169.7
32.5°	169.7
35°	170.9
37.5°	172.2
40°	175.9
42.5°	178.5
45°	182.2
47.5°	186.0
50°	188.5
52.5°	192.3
55°	196.0
57.5°	199.8
60°	202.3
62.5°	206.1
65°	208.6
67.5°	211.1
70°	212.4
72.5°	213.6
75°	214.9
77.5°	213.6
80°	213.6
82.5°	213.6
85°	214.9
87.5°	214.9
90°	214.9
92.5°	214.9
95°	214.9
97.5°	214.9
100°	213.6
102.5°	212.4
105°	211.1
107.5°	208.6
110°	206.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	202.3
115°	198.6
117.5°	194.8
120°	189.8
122.5°	186.0
125°	181.0
127.5°	175.9
130°	169.7
132.5°	164.6
135°	158.3
137.5°	150.8
140°	144.5
142.5°	138.2
145°	130.7
147.5°	124.4
150°	118.1
152.5°	110.6
155°	104.3
157.5°	96.8
160°	89.2
162.5°	80.4
165°	70.4
167.5°	56.6
170°	39.0
172.5°	23.9
175°	10.1
177.5°	2.5
180°	1.3



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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	9.9	10.9	10.7	11.8	13.0	9.9	10.9	10.7	11.8	13.0
	3H	12.9	13.8	13.7	14.7	15.9	12.9	13.8	13.7	14.7	15.9
	4H	14.3	15.2	15.2	16.1	17.3	14.3	15.2	15.2	16.1	17.3
	6H	15.7	16.5	16.6	17.5	18.7	15.7	16.5	16.6	17.5	18.7
	8H	16.3	17.2	17.3	18.1	19.3	16.3	17.2	17.3	18.1	19.3
	12H	17.0	17.8	17.9	18.7	20.0	17.0	17.8	17.9	18.7	20.0
4H	2H	10.6	11.5	11.5	12.5	13.7	10.6	11.5	11.5	12.5	13.7
	3H	13.8	14.6	14.7	15.6	16.8	13.8	14.6	14.7	15.6	16.8
	4H	15.4	16.1	16.3	17.1	18.3	15.4	16.1	16.3	17.1	18.3
	6H	16.9	17.6	17.9	18.6	19.8	16.9	17.6	17.9	18.6	19.8
	8H	17.7	18.3	18.6	19.3	20.5	17.7	18.3	18.6	19.3	20.5
	12H	18.5	19.0	19.4	20.0	21.3	18.5	19.0	19.4	20.0	21.3
8H	4H	15.9	16.5	16.8	17.5	18.7	15.9	16.5	16.8	17.5	18.7
	6H	17.7	18.2	18.6	19.2	20.4	17.7	18.2	18.6	19.2	20.4
	8H	18.6	19.0	19.5	20.0	21.3	18.6	19.0	19.5	20.0	21.3
	12H	19.5	19.9	20.5	20.9	22.2	19.5	19.9	20.5	20.9	22.2
12H	4H	16.0	16.6	17.0	17.6	18.8	16.0	16.6	17.0	17.6	18.8
	6H	17.8	18.3	18.8	19.3	20.6	17.8	18.3	18.8	19.3	20.6
	8H	18.8	19.3	19.8	20.3	21.6	18.8	19.3	19.8	20.3	21.6

(END OF REPORT)