

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: P1244852

Luminaire Tested: PRLX-MIN-L-935-27L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244852
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-935-27L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

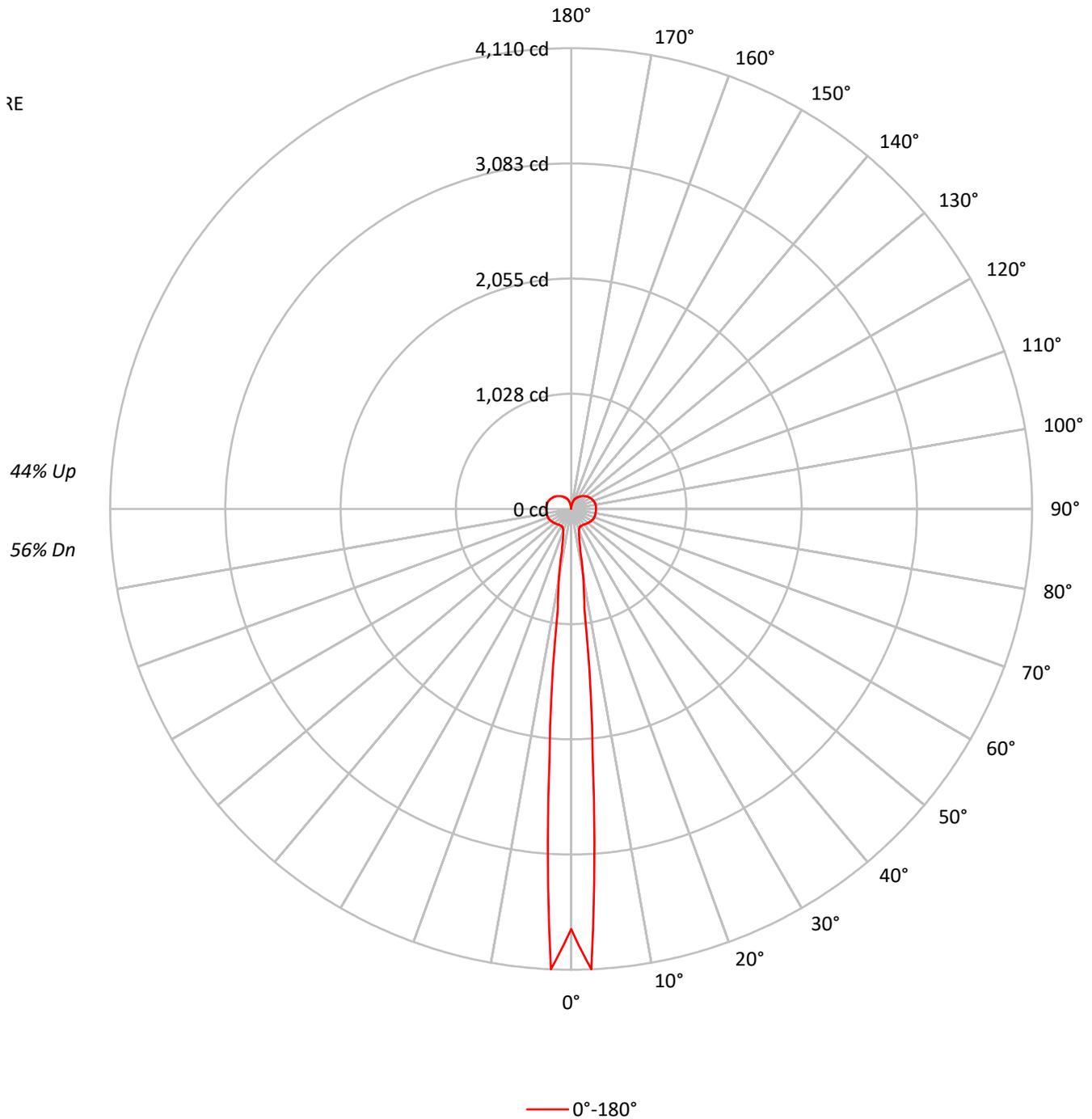
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2584.9 lumens
Efficiency: N/A
Efficacy: 37.2 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

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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°	118541
5°	54359
10°	12672
15°	4837
20°	3124
25°	2487
30°	2209
35°	2065
40°	1997
45°	1965
50°	1949
55°	1962
60°	1976
65°	2004
70°	2023
75°	2045
80°	2047
85°	2089

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2136 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.1	6.1
10°-20°	87.0	3.4
20°-30°	84.8	3.3
30°-40°	111.3	4.3
40°-50°	145.9	5.6
50°-60°	181.7	7.0
60°-70°	213.6	8.3
70°-80°	233.6	9.0
80°-90°	241.6	9.3
90°-100°	241.9	9.4
100°-110°	230.0	8.9
110°-120°	203.5	7.9
120°-130°	167.6	6.5
130°-140°	126.4	4.9
140°-150°	85.5	3.3
150°-160°	50.0	1.9
160°-170°	20.6	0.8
170°-180°	2.0	0.1
0°-30°	329.8	12.8
0°-40°	441.1	17.1
0°-60°	768.7	29.7
0°-90°	1457.4	56.4
90°-120°	675.4	26.1
90°-150°	1054.9	40.8
90°-180°	1128.0	43.6
0°-180°	2584.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3747	
5°	2204	158
15°	278	87
25°	180	85
35°	176	111
45°	188	146
55°	202	182
65°	215	214
75°	222	234
85°	222	181
90°	222	122
95°	222	181
105°	218	230
115°	205	204
125°	187	168
135°	164	126
145°	135	85
155°	108	50
165°	73	21
175°	10	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3747.0
2.5°	4110.4
5°	2203.8
7.5°	896.8
10°	623.0
12.5°	381.6
15°	277.7
17.5°	231.0
20°	203.8
22.5°	189.5
25°	180.4
27.5°	176.5
30°	175.2
32.5°	175.2
35°	176.5
37.5°	177.8
40°	181.7
42.5°	184.3
45°	188.2
47.5°	192.1
50°	194.7
52.5°	198.6
55°	202.5
57.5°	206.4
60°	209.0
62.5°	212.9
65°	215.4
67.5°	218.0
70°	219.3
72.5°	220.6
75°	221.9
77.5°	220.6
80°	220.6
82.5°	220.6
85°	221.9
87.5°	221.9
90°	221.9
92.5°	221.9
95°	221.9
97.5°	221.9
100°	220.6
102.5°	219.3
105°	218.0
107.5°	215.4
110°	212.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	209.0
115°	205.1
117.5°	201.2
120°	196.0
122.5°	192.1
125°	186.9
127.5°	181.7
130°	175.2
132.5°	170.0
135°	163.5
137.5°	155.7
140°	149.3
142.5°	142.8
145°	135.0
147.5°	128.5
150°	122.0
152.5°	114.2
155°	107.7
157.5°	99.9
160°	92.1
162.5°	83.1
165°	72.7
167.5°	58.4
170°	40.2
172.5°	24.7
175°	10.4
177.5°	2.6
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	10.0	11.0	10.8	11.9	13.1	10.0	11.0	10.8	11.9	13.1
	3H	13.0	13.9	13.9	14.8	16.0	13.0	13.9	13.9	14.8	16.0
	4H	14.4	15.3	15.3	16.2	17.4	14.4	15.3	15.3	16.2	17.4
	6H	15.8	16.7	16.7	17.6	18.8	15.8	16.7	16.7	17.6	18.8
	8H	16.5	17.3	17.4	18.2	19.4	16.5	17.3	17.4	18.2	19.4
	12H	17.1	17.9	18.0	18.9	20.1	17.1	17.9	18.0	18.9	20.1
4H	2H	10.7	11.7	11.6	12.6	13.8	10.7	11.7	11.6	12.6	13.8
	3H	13.9	14.7	14.8	15.7	16.9	13.9	14.7	14.8	15.7	16.9
	4H	15.5	16.2	16.4	17.2	18.4	15.5	16.2	16.4	17.2	18.4
	6H	17.1	17.7	18.0	18.7	19.9	17.1	17.7	18.0	18.7	19.9
	8H	17.8	18.4	18.8	19.4	20.7	17.8	18.4	18.8	19.4	20.7
	12H	18.6	19.1	19.5	20.1	21.4	18.6	19.1	19.5	20.1	21.4
8H	4H	16.0	16.6	16.9	17.6	18.9	16.0	16.6	16.9	17.6	18.9
	6H	17.8	18.3	18.7	19.3	20.6	17.8	18.3	18.7	19.3	20.6
	8H	18.7	19.2	19.6	20.2	21.4	18.7	19.2	19.6	20.2	21.4
	12H	19.6	20.0	20.6	21.0	22.3	19.6	20.0	20.6	21.0	22.3
12H	4H	16.1	16.7	17.1	17.7	18.9	16.1	16.7	17.1	17.7	18.9
	6H	17.9	18.4	18.9	19.4	20.7	17.9	18.4	18.9	19.4	20.7
	8H	18.9	19.4	19.9	20.4	21.7	18.9	19.4	19.9	20.4	21.7

(END OF REPORT)