

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: P1245003

Luminaire Tested: PRLX-NIM-L-927-05L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-927-05L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

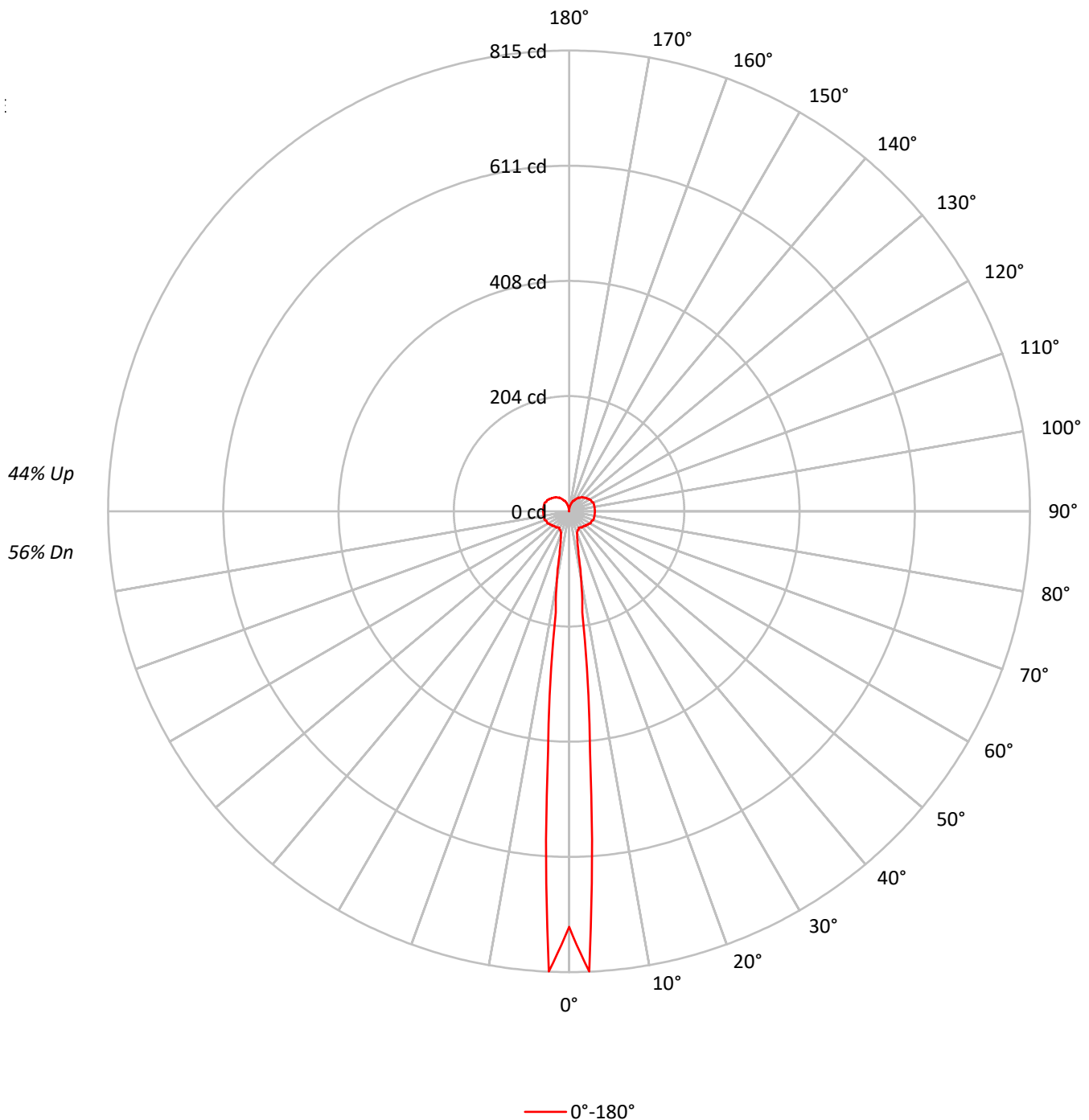
Lumens per Lamp: N/A
Luminaire Lumens: 530.9 lumens
Efficiency: N/A
Efficacy: 35.9 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 14.8
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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56		
1	95	89	83	78	87	82	77	73	70	66	62	58	55	53	48	45	43	38		
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34	30		
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28	24		
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24	20		
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21	18		
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19	16		
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17	15		
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16	13		
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15	12		
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23243
5°	10525
10°	2506
15°	993
20°	630
25°	503
30°	431
35°	400
40°	401
45°	381
50°	388
55°	398
60°	410
65°	404
70°	421
75°	420
80°	423
85°	429

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 439 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	5.9
10°-20°	17.7	3.3
20°-30°	17.2	3.2
30°-40°	22.1	4.2
40°-50°	29.0	5.5
50°-60°	36.4	6.9
60°-70°	43.4	8.2
70°-80°	48.2	9.1
80°-90°	49.8	9.4
90°-100°	49.8	9.4
100°-110°	48.2	9.1
110°-120°	43.1	8.1
120°-130°	35.4	6.7
130°-140°	27.0	5.1
140°-150°	18.2	3.4
150°-160°	10.0	1.9
160°-170°	4.0	0.8
170°-180°	0.5	0.1
0°-30°	66.1	12.4
0°-40°	88.1	16.6
0°-60°	153.5	28.9
0°-90°	294.8	55.5
90°-120°	141.1	26.6
90°-150°	221.6	41.7
90°-180°	236.0	44.5
0°-180°	530.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	735	
5°	427	31
15°	57	18
25°	36	17
35°	34	22
45°	36	29
55°	41	36
65°	43	43
75°	46	48
85°	46	37
90°	46	25
95°	46	37
105°	46	48
115°	43	43
125°	39	35
135°	34	27
145°	30	18
155°	20	10
165°	14	4
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	734.7
2.5°	814.6
5°	426.7
7.5°	180.3
10°	123.2
12.5°	77.6
15°	57.0
17.5°	47.9
20°	41.1
22.5°	38.8
25°	36.5
27.5°	36.5
30°	34.2
32.5°	34.2
35°	34.2
37.5°	36.5
40°	36.5
42.5°	36.5
45°	36.5
47.5°	38.8
50°	38.8
52.5°	38.8
55°	41.1
57.5°	41.1
60°	43.4
62.5°	43.4
65°	43.4
67.5°	43.4
70°	45.6
72.5°	45.6
75°	45.6
77.5°	45.6
80°	45.6
82.5°	45.6
85°	45.6
87.5°	45.6
90°	45.6
92.5°	45.6
95°	45.6
97.5°	45.6
100°	45.6
102.5°	45.6
105°	45.6
107.5°	45.6
110°	45.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	43.4
115°	43.4
117.5°	43.4
120°	41.1
122.5°	41.1
125°	38.8
127.5°	38.8
130°	36.5
132.5°	36.5
135°	34.2
137.5°	34.2
140°	31.9
142.5°	29.7
145°	29.7
147.5°	27.4
150°	25.1
152.5°	22.8
155°	20.5
157.5°	20.5
160°	18.3
162.5°	16.0
165°	13.7
167.5°	11.4
170°	9.1
172.5°	6.8
175°	2.3
177.5°	0.0
180°	0.0

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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	4.3	5.3	5.1	6.2	7.4	4.3	5.3	5.1	6.2	7.4
	3H	7.3	8.3	8.2	9.2	10.4	7.3	8.3	8.2	9.2	10.4
	4H	8.8	9.7	9.7	10.6	11.9	8.8	9.7	9.7	10.6	11.9
	6H	10.2	11.1	11.2	12.0	13.3	10.2	11.1	11.2	12.0	13.3
	8H	10.9	11.7	11.8	12.7	13.9	10.9	11.7	11.8	12.7	13.9
	12H	11.6	12.4	12.5	13.3	14.6	11.6	12.4	12.5	13.3	14.6
4H	2H	5.0	6.0	6.0	6.9	8.1	5.0	6.0	6.0	6.9	8.1
	3H	8.3	9.1	9.2	10.1	11.3	8.3	9.1	9.2	10.1	11.3
	4H	9.9	10.7	10.9	11.6	12.9	9.9	10.7	10.9	11.6	12.9
	6H	11.5	12.2	12.5	13.2	14.4	11.5	12.2	12.5	13.2	14.4
	8H	12.3	12.9	13.2	13.9	15.2	12.3	12.9	13.2	13.9	15.2
	12H	13.1	13.6	14.0	14.6	15.9	13.1	13.6	14.0	14.6	15.9
8H	4H	10.5	11.1	11.4	12.0	13.3	10.5	11.1	11.4	12.0	13.3
	6H	12.2	12.8	13.2	13.8	15.0	12.2	12.8	13.2	13.8	15.0
	8H	13.2	13.6	14.1	14.6	15.9	13.2	13.6	14.1	14.6	15.9
	12H	14.1	14.5	15.1	15.5	16.8	14.1	14.5	15.1	15.5	16.8
12H	4H	10.6	11.1	11.5	12.1	13.4	10.6	11.1	11.5	12.1	13.4
	6H	12.4	12.9	13.4	13.9	15.2	12.4	12.9	13.4	13.9	15.2
	8H	13.4	13.9	14.4	14.9	16.2	13.4	13.9	14.4	14.9	16.2

(END OF REPORT)