

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: P1245005

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245005
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-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

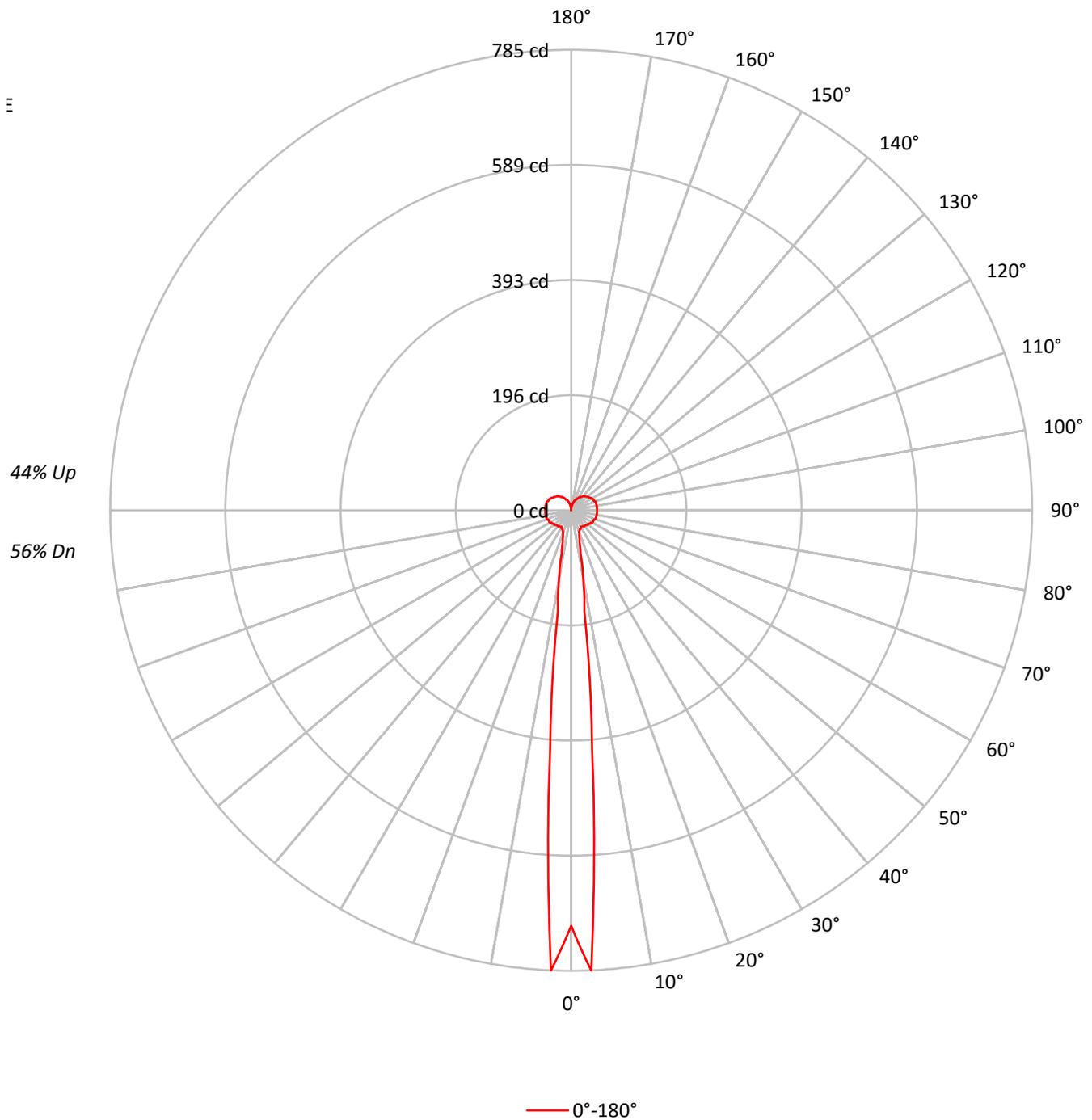
Lumens per Lamp: N/A
Luminaire Lumens: 512.0 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 14.8
Input Voltage (V): NR
Input Current (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	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°	22411
5°	10148
10°	2416
15°	958
20°	607
25°	485
30°	416
35°	386
40°	387
45°	367
50°	374
55°	384
60°	395
65°	389
70°	406
75°	405
80°	408
85°	414

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 424 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	5.9
10°-20°	17.1	3.3
20°-30°	16.6	3.2
30°-40°	21.3	4.2
40°-50°	27.9	5.5
50°-60°	35.1	6.9
60°-70°	41.8	8.2
70°-80°	46.5	9.1
80°-90°	48.0	9.4
90°-100°	48.0	9.4
100°-110°	46.5	9.1
110°-120°	41.5	8.1
120°-130°	34.1	6.7
130°-140°	26.0	5.1
140°-150°	17.5	3.4
150°-160°	9.6	1.9
160°-170°	3.9	0.8
170°-180°	0.5	0.1
0°-30°	63.7	12.4
0°-40°	85.0	16.6
0°-60°	148.0	28.9
0°-90°	284.3	55.5
90°-120°	136.1	26.6
90°-150°	213.7	41.7
90°-180°	228.0	44.5
0°-180°	512.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	708	
5°	411	30
15°	55	17
25°	35	17
35°	33	21
45°	35	28
55°	40	35
65°	42	42
75°	44	47
85°	44	36
90°	44	24
95°	44	36
105°	44	47
115°	42	42
125°	37	34
135°	33	26
145°	29	18
155°	20	10
165°	13	4
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	708.4
2.5°	785.4
5°	411.4
7.5°	173.8
10°	118.8
12.5°	74.8
15°	55.0
17.5°	46.2
20°	39.6
22.5°	37.4
25°	35.2
27.5°	35.2
30°	33.0
32.5°	33.0
35°	33.0
37.5°	35.2
40°	35.2
42.5°	35.2
45°	35.2
47.5°	37.4
50°	37.4
52.5°	37.4
55°	39.6
57.5°	39.6
60°	41.8
62.5°	41.8
65°	41.8
67.5°	41.8
70°	44.0
72.5°	44.0
75°	44.0
77.5°	44.0
80°	44.0
82.5°	44.0
85°	44.0
87.5°	44.0
90°	44.0
92.5°	44.0
95°	44.0
97.5°	44.0
100°	44.0
102.5°	44.0
105°	44.0
107.5°	44.0
110°	44.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	41.8
115°	41.8
117.5°	41.8
120°	39.6
122.5°	39.6
125°	37.4
127.5°	37.4
130°	35.2
132.5°	35.2
135°	33.0
137.5°	33.0
140°	30.8
142.5°	28.6
145°	28.6
147.5°	26.4
150°	24.2
152.5°	22.0
155°	19.8
157.5°	19.8
160°	17.6
162.5°	15.4
165°	13.2
167.5°	11.0
170°	8.8
172.5°	6.6
175°	2.2
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	4.1	5.2	5.0	6.1	7.3	4.1	5.2	5.0	6.1	7.3
	3H	7.2	8.1	8.1	9.1	10.3	7.2	8.1	8.1	9.1	10.3
	4H	8.7	9.6	9.6	10.5	11.7	8.7	9.6	9.6	10.5	11.7
	6H	10.1	11.0	11.0	11.9	13.1	10.1	11.0	11.0	11.9	13.1
	8H	10.8	11.6	11.7	12.6	13.8	10.8	11.6	11.7	12.6	13.8
	12H	11.5	12.2	12.4	13.2	14.4	11.5	12.2	12.4	13.2	14.4
4H	2H	4.9	5.8	5.8	6.8	8.0	4.9	5.8	5.8	6.8	8.0
	3H	8.2	9.0	9.1	9.9	11.2	8.2	9.0	9.1	9.9	11.2
	4H	9.8	10.5	10.7	11.5	12.7	9.8	10.5	10.7	11.5	12.7
	6H	11.4	12.1	12.3	13.0	14.3	11.4	12.1	12.3	13.0	14.3
	8H	12.2	12.8	13.1	13.8	15.0	12.2	12.8	13.1	13.8	15.0
	12H	12.9	13.5	13.9	14.5	15.8	12.9	13.5	13.9	14.5	15.8
8H	4H	10.3	10.9	11.3	11.9	13.2	10.3	10.9	11.3	11.9	13.2
	6H	12.1	12.7	13.1	13.7	14.9	12.1	12.7	13.1	13.7	14.9
	8H	13.0	13.5	14.0	14.5	15.8	13.0	13.5	14.0	14.5	15.8
	12H	14.0	14.4	15.0	15.4	16.7	14.0	14.4	15.0	15.4	16.7
12H	4H	10.4	11.0	11.4	12.0	13.3	10.4	11.0	11.4	12.0	13.3
	6H	12.3	12.8	13.3	13.8	15.1	12.3	12.8	13.3	13.8	15.1
	8H	13.3	13.7	14.3	14.7	16.0	13.3	13.7	14.3	14.7	16.0

(END OF REPORT)