

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: P1245133

Luminaire Tested: PRLX-NIM-M-927-03L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-M-927-03L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

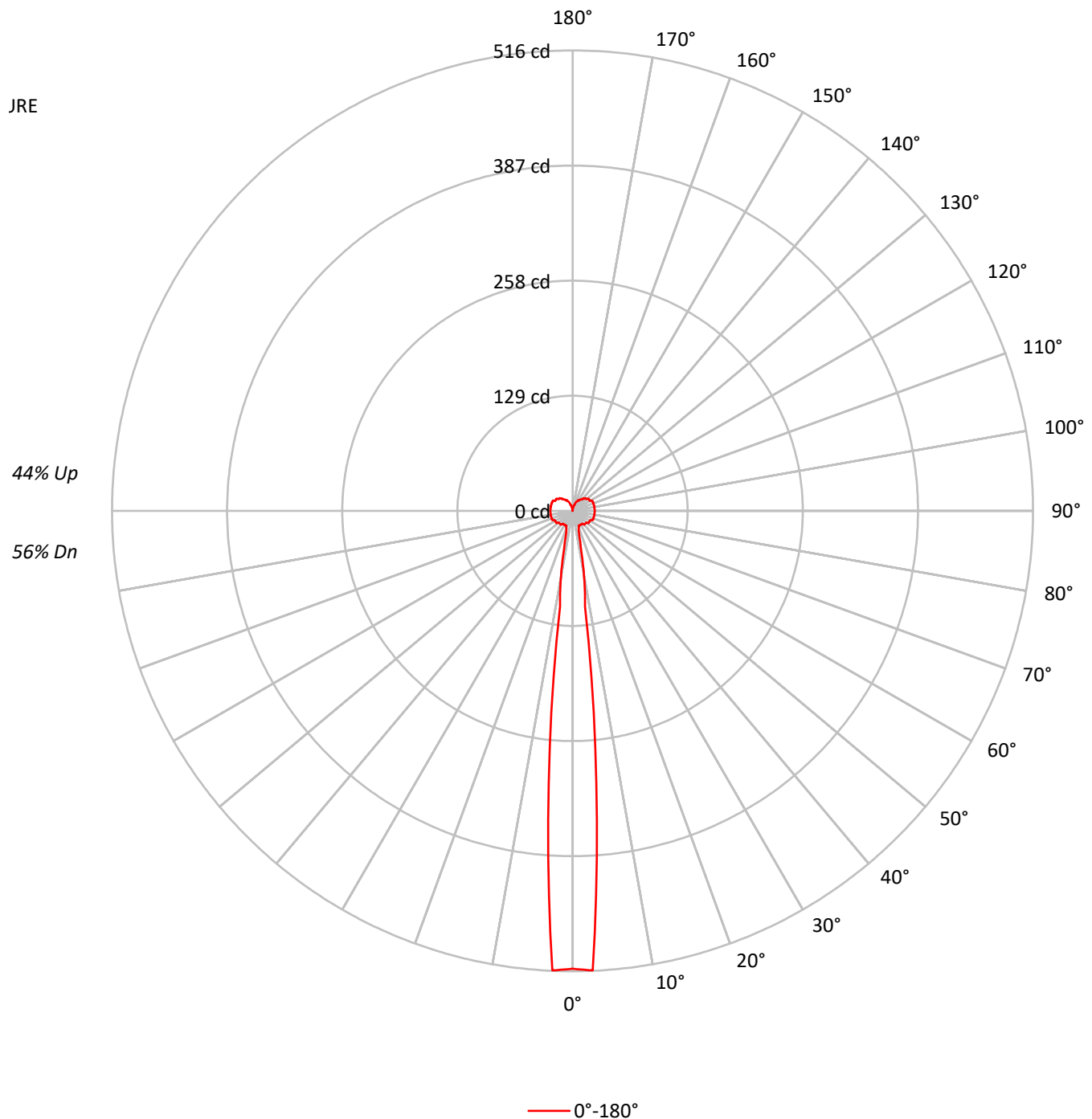
Lumens per Lamp: N/A
Luminaire Lumens: 292.3 lumens
Efficiency: N/A
Efficacy: 26.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 11.1
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	88	82	77	73	70	66	63	58	55	53	48	46	44	38		
2	85	76	68	62	78	70	63	58	60	54	50	50	46	42	40	37	35	30		
3	77	66	58	51	71	61	54	47	52	46	41	43	39	35	35	32	29	25		
4	71	59	50	43	65	54	46	40	46	40	35	39	34	30	32	28	25	21		
5	65	52	43	37	60	49	41	35	42	35	30	35	30	26	29	25	22	18		
6	60	47	39	32	56	44	36	30	38	31	27	32	27	23	27	23	20	17		
7	56	43	35	29	52	40	33	27	35	29	24	30	25	21	25	21	18	15		
8	53	40	32	26	49	37	30	25	32	26	22	28	23	19	23	19	16	14		
9	49	37	29	24	46	34	27	22	30	24	20	26	21	18	22	18	15	13		
10	47	34	27	22	43	32	25	21	28	22	19	24	20	17	21	17	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26300
5°	11528
10°	2225
15°	733
20°	439
25°	345
30°	312
35°	287
40°	301
45°	284
50°	270
55°	288
60°	280
65°	302
70°	298
75°	296
80°	296
85°	299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 304 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	7.0
10°-20°	9.4	3.2
20°-30°	8.4	2.9
30°-40°	11.5	3.9
40°-50°	15.7	5.4
50°-60°	20.0	6.8
60°-70°	23.8	8.1
70°-80°	26.2	9.0
80°-90°	27.1	9.3
90°-100°	27.1	9.3
100°-110°	26.2	9.0
110°-120°	24.3	8.3
120°-130°	20.0	6.8
130°-140°	15.1	5.2
140°-150°	9.6	3.3
150°-160°	5.5	1.9
160°-170°	1.8	0.6
170°-180°	0.2	0.1
0°-30°	38.2	13.1
0°-40°	49.7	17.0
0°-60°	85.4	29.2
0°-90°	162.5	55.6
90°-120°	77.6	26.6
90°-150°	122.3	41.8
90°-180°	130.0	44.5
0°-180°	292.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	513	
5°	306	20
15°	29	9
25°	18	8
35°	18	12
45°	20	16
55°	22	20
65°	25	24
75°	25	26
85°	25	20
90°	25	14
95°	25	20
105°	25	26
115°	25	24
125°	22	20
135°	20	15
145°	16	10
155°	11	6
165°	7	2
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	513.2
2.5°	515.5
5°	306.1
7.5°	108.0
10°	74.3
12.5°	42.8
15°	29.3
17.5°	22.5
20°	20.3
22.5°	18.0
25°	18.0
27.5°	18.0
30°	18.0
32.5°	18.0
35°	18.0
37.5°	18.0
40°	20.3
42.5°	20.3
45°	20.3
47.5°	20.3
50°	20.3
52.5°	22.5
55°	22.5
57.5°	22.5
60°	22.5
62.5°	22.5
65°	24.8
67.5°	24.8
70°	24.8
72.5°	24.8
75°	24.8
77.5°	24.8
80°	24.8
82.5°	24.8
85°	24.8
87.5°	24.8
90°	24.8
92.5°	24.8
95°	24.8
97.5°	24.8
100°	24.8
102.5°	24.8
105°	24.8
107.5°	24.8
110°	24.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	24.8
115°	24.8
117.5°	24.8
120°	22.5
122.5°	22.5
125°	22.5
127.5°	22.5
130°	20.3
132.5°	20.3
135°	20.3
137.5°	18.0
140°	18.0
142.5°	15.8
145°	15.8
147.5°	13.5
150°	13.5
152.5°	13.5
155°	11.3
157.5°	11.3
160°	9.0
162.5°	6.8
165°	6.8
167.5°	4.5
170°	4.5
172.5°	2.3
175°	0.0
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	3.1	4.1	3.9	5.0	6.2	3.1	4.1	3.9	5.0	6.2
	3H	6.2	7.2	7.1	8.1	9.3	6.2	7.2	7.1	8.1	9.3
	4H	7.6	8.5	8.5	9.5	10.7	7.6	8.5	8.5	9.5	10.7
	6H	9.0	9.9	10.0	10.8	12.1	9.0	9.9	10.0	10.8	12.1
	8H	9.7	10.5	10.6	11.5	12.7	9.7	10.5	10.6	11.5	12.7
	12H	10.3	11.1	11.3	12.1	13.3	10.3	11.1	11.3	12.1	13.3
4H	2H	3.9	4.8	4.8	5.8	7.0	3.9	4.8	4.8	5.8	7.0
	3H	7.2	8.0	8.1	8.9	10.2	7.2	8.0	8.1	8.9	10.2
	4H	8.7	9.5	9.7	10.4	11.7	8.7	9.5	9.7	10.4	11.7
	6H	10.3	11.0	11.2	11.9	13.2	10.3	11.0	11.2	11.9	13.2
	8H	11.1	11.7	12.0	12.7	13.9	11.1	11.7	12.0	12.7	13.9
	12H	11.8	12.4	12.8	13.4	14.6	11.8	12.4	12.8	13.4	14.6
8H	4H	9.3	9.9	10.2	10.8	12.1	9.3	9.9	10.2	10.8	12.1
	6H	11.0	11.5	12.0	12.6	13.8	11.0	11.5	12.0	12.6	13.8
	8H	11.9	12.4	12.9	13.4	14.7	11.9	12.4	12.9	13.4	14.7
	12H	12.8	13.3	13.8	14.3	15.6	12.8	13.3	13.8	14.3	15.6
12H	4H	9.4	9.9	10.3	10.9	12.2	9.4	9.9	10.3	10.9	12.2
	6H	11.2	11.7	12.2	12.7	14.0	11.2	11.7	12.2	12.7	14.0
	8H	12.2	12.6	13.2	13.6	14.9	12.2	12.6	13.2	13.6	14.9

(END OF REPORT)