

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: P1245141

Luminaire Tested: PRLX-NIM-M-927-06L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245141
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-927-06L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

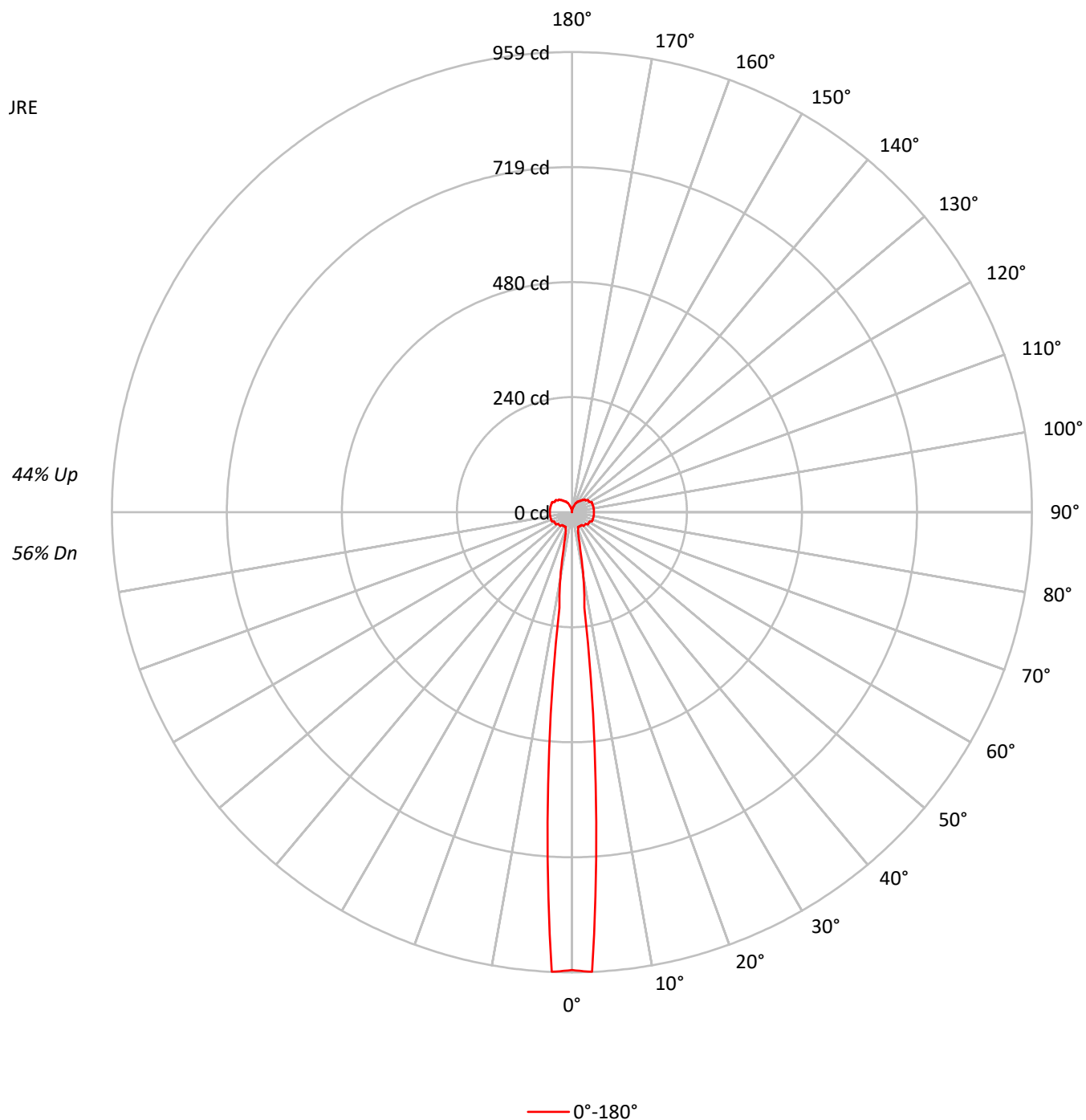
Lumens per Lamp: N/A
Luminaire Lumens: 542.9 lumens
Efficiency: N/A
Efficacy: 25.5 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 21.3
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	
RCR																						
0	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	
1	95	89	83	78		88	82	77	73		70	66	63		58	55	53		48	46	44	
2	85	76	68	62		78	70	63	58		60	54	50		50	46	42		40	37	35	
3	77	66	58	51		71	61	54	47		52	46	41		43	39	35		35	32	29	
4	71	59	50	43		65	54	46	40		46	40	35		39	34	30		32	28	25	
5	65	52	43	37		60	49	41	35		42	35	30		35	30	26		29	25	22	
6	60	47	39	32		56	44	36	30		38	32	27		32	27	23		27	23	20	
7	56	43	35	29		52	40	33	27		35	29	24		30	25	21		25	21	18	
8	53	40	32	26		49	37	30	25		32	26	22		28	23	19		23	19	17	
9	49	37	29	24		46	34	27	22		30	24	20		26	21	18		22	18	15	
10	47	34	27	22		43	32	25	21		28	22	19		24	20	17		21	17	15	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48910
5°	21441
10°	4136
15°	1361
20°	815
25°	642
30°	581
35°	534
40°	559
45°	527
50°	502
55°	537
60°	521
65°	560
70°	552
75°	548
80°	549
85°	554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 564 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	7.0
10°-20°	17.4	3.2
20°-30°	15.7	2.9
30°-40°	21.4	3.9
40°-50°	29.2	5.4
50°-60°	37.1	6.8
60°-70°	44.2	8.1
70°-80°	48.7	9.0
80°-90°	50.2	9.2
90°-100°	50.2	9.2
100°-110°	48.7	9.0
110°-120°	45.2	8.3
120°-130°	37.1	6.8
130°-140°	28.0	5.2
140°-150°	17.8	3.3
150°-160°	10.3	1.9
160°-170°	3.4	0.6
170°-180°	0.3	0.1
0°-30°	71.1	13.1
0°-40°	92.5	17.0
0°-60°	158.8	29.3
0°-90°	301.8	55.6
90°-120°	144.0	26.5
90°-150°	227.1	41.8
90°-180°	241.0	44.4
0°-180°	542.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	954	
5°	569	38
15°	54	17
25°	34	16
35°	34	21
45°	38	29
55°	42	37
65°	46	44
75°	46	49
85°	46	38
90°	46	25
95°	46	38
105°	46	49
115°	46	45
125°	42	37
135°	38	28
145°	29	18
155°	21	10
165°	13	3
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	954.4
2.5°	958.6
5°	569.3
7.5°	200.9
10°	138.1
12.5°	79.5
15°	54.4
17.5°	41.9
20°	37.7
22.5°	33.5
25°	33.5
27.5°	33.5
30°	33.5
32.5°	33.5
35°	33.5
37.5°	33.5
40°	37.7
42.5°	37.7
45°	37.7
47.5°	37.7
50°	37.7
52.5°	41.9
55°	41.9
57.5°	41.9
60°	41.9
62.5°	41.9
65°	46.0
67.5°	46.0
70°	46.0
72.5°	46.0
75°	46.0
77.5°	46.0
80°	46.0
82.5°	46.0
85°	46.0
87.5°	46.0
90°	46.0
92.5°	46.0
95°	46.0
97.5°	46.0
100°	46.0
102.5°	46.0
105°	46.0
107.5°	46.0
110°	46.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	46.0
115°	46.0
117.5°	46.0
120°	41.9
122.5°	41.9
125°	41.9
127.5°	41.9
130°	37.7
132.5°	37.7
135°	37.7
137.5°	33.5
140°	33.5
142.5°	29.3
145°	29.3
147.5°	25.1
150°	25.1
152.5°	25.1
155°	20.9
157.5°	20.9
160°	16.7
162.5°	12.6
165°	12.6
167.5°	8.4
170°	8.4
172.5°	4.2
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	5.2	6.3	6.1	7.2	8.4	5.2	6.3	6.1	7.2	8.4
	3H	8.4	9.3	9.3	10.2	11.4	8.4	9.3	9.3	10.2	11.4
	4H	9.8	10.7	10.7	11.6	12.8	9.8	10.7	10.7	11.6	12.8
	6H	11.2	12.0	12.1	13.0	14.2	11.2	12.0	12.1	13.0	14.2
	8H	11.8	12.7	12.8	13.6	14.8	11.8	12.7	12.8	13.6	14.8
	12H	12.5	13.3	13.4	14.2	15.5	12.5	13.3	13.4	14.2	15.5
4H	2H	6.1	7.0	7.0	7.9	9.1	6.1	7.0	7.0	7.9	9.1
	3H	9.3	10.1	10.3	11.1	12.3	9.3	10.1	10.3	11.1	12.3
	4H	10.9	11.6	11.8	12.6	13.8	10.9	11.6	11.8	12.6	13.8
	6H	12.4	13.1	13.4	14.1	15.3	12.4	13.1	13.4	14.1	15.3
	8H	13.2	13.8	14.1	14.8	16.1	13.2	13.8	14.1	14.8	16.1
	12H	14.0	14.5	14.9	15.5	16.8	14.0	14.5	14.9	15.5	16.8
8H	4H	11.4	12.0	12.3	13.0	14.3	11.4	12.0	12.3	13.0	14.3
	6H	13.2	13.7	14.1	14.7	16.0	13.2	13.7	14.1	14.7	16.0
	8H	14.1	14.5	15.0	15.5	16.8	14.1	14.5	15.0	15.5	16.8
	12H	15.0	15.4	16.0	16.4	17.7	15.0	15.4	16.0	16.4	17.7
12H	4H	11.5	12.1	12.5	13.1	14.3	11.5	12.1	12.5	13.1	14.3
	6H	13.3	13.8	14.3	14.8	16.1	13.3	13.8	14.3	14.8	16.1
	8H	14.3	14.7	15.3	15.7	17.1	14.3	14.7	15.3	15.7	17.1

(END OF REPORT)