

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: P1245161

Luminaire Tested: PRLX-NIM-M-930-06L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245161
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-930-06L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL RIBS SHADE TEXTL
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

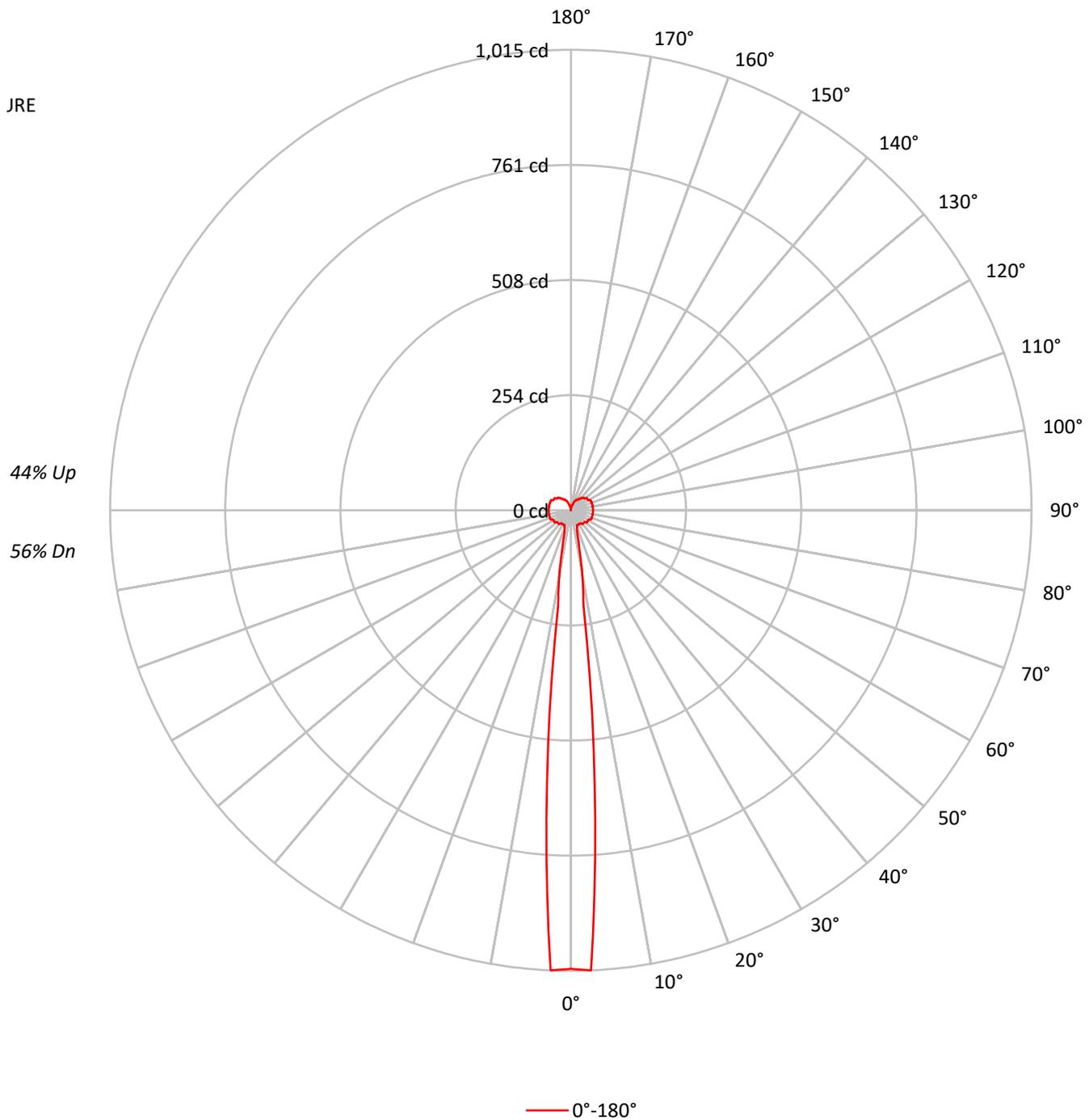
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 575.3 lumens
Efficiency: N/A
Efficacy: 27.0 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	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	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	32	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°	51790
5°	22703
10°	4382
15°	1441
20°	863
25°	680
30°	615
35°	565
40°	592
45°	558
50°	532
55°	568
60°	551
65°	594
70°	585
75°	582
80°	583
85°	588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 598 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	7.0
10°-20°	18.4	3.2
20°-30°	16.7	2.9
30°-40°	22.7	3.9
40°-50°	30.9	5.4
50°-60°	39.3	6.8
60°-70°	46.8	8.1
70°-80°	51.6	9.0
80°-90°	53.2	9.3
90°-100°	53.2	9.3
100°-110°	51.6	9.0
110°-120°	47.9	8.3
120°-130°	39.3	6.8
130°-140°	29.7	5.2
140°-150°	18.9	3.3
150°-160°	10.9	1.9
160°-170°	3.6	0.6
170°-180°	0.3	0.1
0°-30°	75.3	13.1
0°-40°	97.9	17.0
0°-60°	168.1	29.2
0°-90°	319.8	55.6
90°-120°	152.8	26.6
90°-150°	240.6	41.8
90°-180°	255.0	44.3
0°-180°	575.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1011	
5°	603	40
15°	58	18
25°	36	17
35°	36	23
45°	40	31
55°	44	39
65°	49	47
75°	49	52
85°	49	40
90°	49	27
95°	49	40
105°	49	52
115°	49	48
125°	44	39
135°	40	30
145°	31	19
155°	22	11
165°	13	4
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1010.6
2.5°	1015.0
5°	602.8
7.5°	212.8
10°	146.3
12.5°	84.2
15°	57.6
17.5°	44.3
20°	39.9
22.5°	35.5
25°	35.5
27.5°	35.5
30°	35.5
32.5°	35.5
35°	35.5
37.5°	35.5
40°	39.9
42.5°	39.9
45°	39.9
47.5°	39.9
50°	39.9
52.5°	44.3
55°	44.3
57.5°	44.3
60°	44.3
62.5°	44.3
65°	48.8
67.5°	48.8
70°	48.8
72.5°	48.8
75°	48.8
77.5°	48.8
80°	48.8
82.5°	48.8
85°	48.8
87.5°	48.8
90°	48.8
92.5°	48.8
95°	48.8
97.5°	48.8
100°	48.8
102.5°	48.8
105°	48.8
107.5°	48.8
110°	48.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	48.8
115°	48.8
117.5°	48.8
120°	44.3
122.5°	44.3
125°	44.3
127.5°	44.3
130°	39.9
132.5°	39.9
135°	39.9
137.5°	35.5
140°	35.5
142.5°	31.0
145°	31.0
147.5°	26.6
150°	26.6
152.5°	26.6
155°	22.2
157.5°	22.2
160°	17.7
162.5°	13.3
165°	13.3
167.5°	8.9
170°	8.9
172.5°	4.4
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	5.4	6.4	6.3	7.4	8.5	5.4	6.4	6.3	7.4	8.5
	3H	8.6	9.5	9.5	10.4	11.6	8.6	9.5	9.5	10.4	11.6
	4H	10.0	10.9	10.9	11.8	13.0	10.0	10.9	10.9	11.8	13.0
	6H	11.4	12.2	12.3	13.2	14.4	11.4	12.2	12.3	13.2	14.4
	8H	12.1	12.9	13.0	13.8	15.0	12.1	12.9	13.0	13.8	15.0
	12H	12.7	13.5	13.6	14.4	15.7	12.7	13.5	13.6	14.4	15.7
4H	2H	6.3	7.2	7.2	8.1	9.3	6.3	7.2	7.2	8.1	9.3
	3H	9.5	10.3	10.5	11.3	12.5	9.5	10.3	10.5	11.3	12.5
	4H	11.1	11.8	12.0	12.8	14.0	11.1	11.8	12.0	12.8	14.0
	6H	12.7	13.3	13.6	14.3	15.5	12.7	13.3	13.6	14.3	15.5
	8H	13.4	14.0	14.4	15.0	16.3	13.4	14.0	14.4	15.0	16.3
	12H	14.2	14.7	15.1	15.7	17.0	14.2	14.7	15.1	15.7	17.0
8H	4H	11.6	12.2	12.5	13.2	14.5	11.6	12.2	12.5	13.2	14.5
	6H	13.4	13.9	14.3	14.9	16.2	13.4	13.9	14.3	14.9	16.2
	8H	14.3	14.7	15.2	15.7	17.0	14.3	14.7	15.2	15.7	17.0
	12H	15.2	15.6	16.2	16.6	17.9	15.2	15.6	16.2	16.6	17.9
12H	4H	11.7	12.3	12.7	13.3	14.5	11.7	12.3	12.7	13.3	14.5
	6H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3
	8H	14.5	15.0	15.5	16.0	17.3	14.5	15.0	15.5	16.0	17.3

(END OF REPORT)