

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: P1244889

Luminaire Tested: PRLX-MIN-M-927-06L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-M-927-06L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

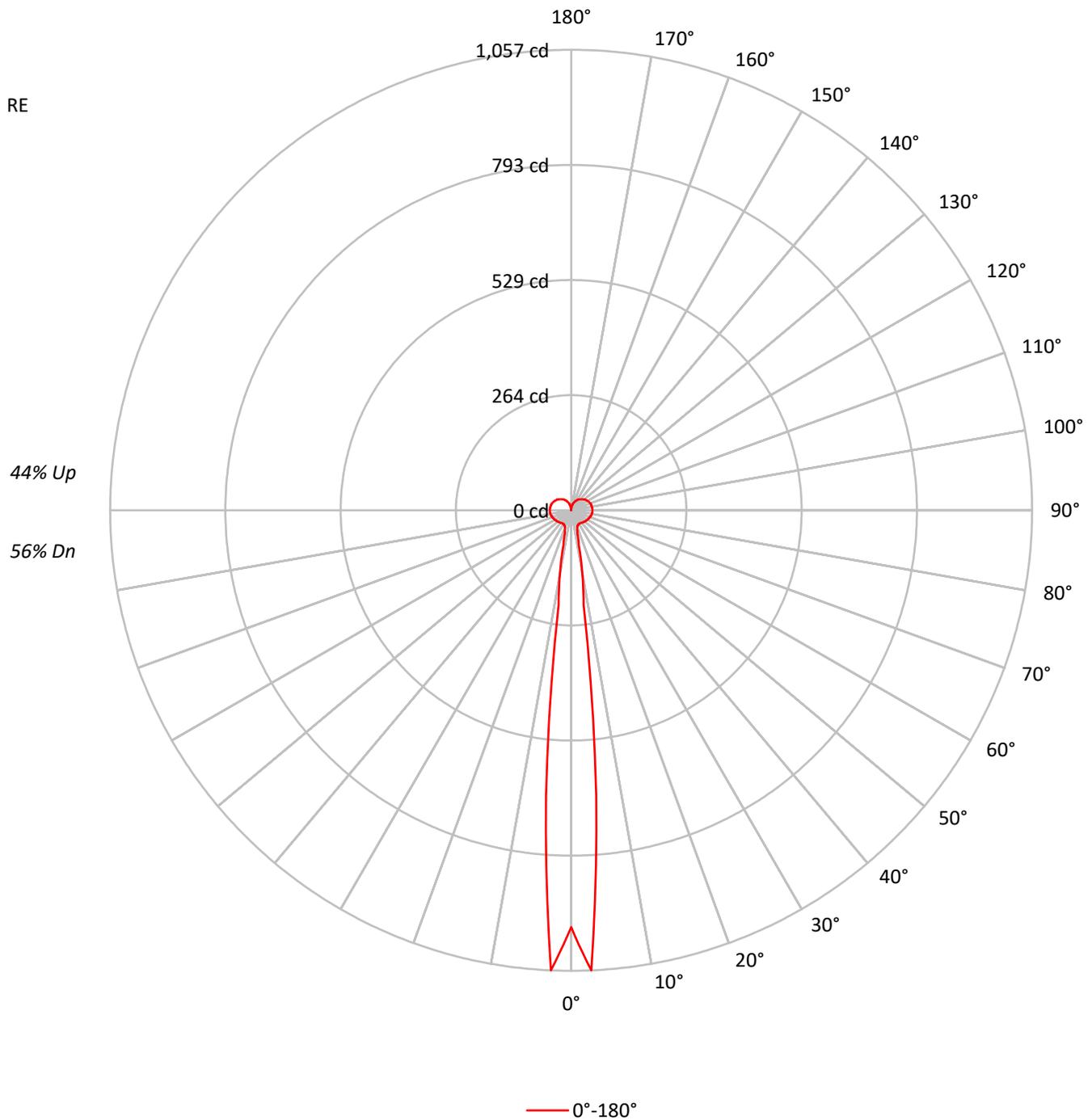
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 563.0 lumens
Efficiency: N/A
Efficacy: 26.4 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	95	89	84	79	88	82	78	73	70	66	63		59	56	53		48	46	44	39
2	86	76	69	62	79	71	64	58	60	55	50		50	46	42		41	38	35	31
3	78	67	58	51	71	62	54	48	52	46	41		44	39	35		36	32	29	25
4	71	59	50	43	65	55	47	41	47	40	35		39	34	30		32	28	25	22
5	66	53	44	37	60	49	41	35	42	36	31		36	31	27		29	26	22	19
6	61	48	39	33	56	45	37	31	38	32	27		33	28	24		27	23	20	17
7	57	44	35	29	52	41	33	28	35	29	25		30	25	22		25	21	19	16
8	53	40	32	27	49	38	30	25	33	27	22		28	23	20		24	20	17	15
9	50	37	29	24	46	35	28	23	31	25	21		26	22	18		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	20	17		21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49033
5°	24786
10°	4442
15°	1414
20°	887
25°	717
30°	624
35°	573
40°	555
45°	543
50°	536
55°	534
60°	536
65°	541
70°	551
75°	564
80°	573
85°	587

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 597 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	7.5
10°-20°	18.4	3.3
20°-30°	17.4	3.1
30°-40°	22.9	4.1
40°-50°	30.1	5.3
50°-60°	37.4	6.6
60°-70°	44.2	7.8
70°-80°	50.0	8.9
80°-90°	53.0	9.4
90°-100°	53.0	9.4
100°-110°	50.2	8.9
110°-120°	44.8	8.0
120°-130°	36.9	6.6
130°-140°	27.9	5.0
140°-150°	19.1	3.4
150°-160°	10.8	1.9
160°-170°	4.3	0.8
170°-180°	0.4	0.1
0°-30°	77.9	13.8
0°-40°	100.8	17.9
0°-60°	168.3	29.9
0°-90°	315.5	56.0
90°-120°	148.1	26.3
90°-150°	232.1	41.2
90°-180°	248.0	44.1
0°-180°	563.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	957	
5°	658	42
15°	56	18
25°	37	17
35°	36	23
45°	39	30
55°	42	37
65°	44	44
75°	47	50
85°	49	40
90°	49	27
95°	49	40
105°	47	50
115°	45	45
125°	41	37
135°	36	28
145°	30	19
155°	23	11
165°	15	4
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	956.8
2.5°	1057.0
5°	658.1
7.5°	218.2
10°	148.3
12.5°	81.2
15°	56.5
17.5°	46.6
20°	41.0
22.5°	38.8
25°	37.4
27.5°	36.0
30°	36.0
32.5°	36.0
35°	36.0
37.5°	36.7
40°	37.4
42.5°	38.1
45°	38.8
47.5°	39.5
50°	40.2
52.5°	41.0
55°	41.7
57.5°	42.4
60°	43.1
62.5°	43.8
65°	44.5
67.5°	45.2
70°	45.9
72.5°	46.6
75°	47.3
77.5°	48.0
80°	48.0
82.5°	48.7
85°	48.7
87.5°	48.7
90°	48.7
92.5°	48.7
95°	48.7
97.5°	48.7
100°	48.0
102.5°	48.0
105°	47.3
107.5°	47.3
110°	46.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45.9
115°	45.2
117.5°	44.5
120°	43.1
122.5°	42.4
125°	41.0
127.5°	40.2
130°	38.8
132.5°	37.4
135°	36.0
137.5°	34.6
140°	33.2
142.5°	31.8
145°	30.4
147.5°	29.0
150°	26.8
152.5°	24.7
155°	23.3
157.5°	21.2
160°	19.1
162.5°	17.7
165°	14.8
167.5°	12.0
170°	8.5
172.5°	4.9
175°	1.4
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	6.2	6.1	7.2	8.3	5.2	6.2	6.1	7.2	8.3
	3H	8.2	9.2	9.1	10.1	11.3	8.2	9.2	9.1	10.1	11.3
	4H	9.7	10.6	10.6	11.6	12.8	9.7	10.6	10.6	11.6	12.8
	6H	11.2	12.1	12.1	13.0	14.2	11.2	12.1	12.1	13.0	14.2
	8H	11.9	12.7	12.8	13.7	14.9	11.9	12.7	12.8	13.7	14.9
	12H	12.6	13.4	13.5	14.3	15.6	12.6	13.4	13.5	14.3	15.6
4H	2H	6.0	6.9	6.9	7.8	9.0	6.0	6.9	6.9	7.8	9.0
	3H	9.2	10.0	10.1	10.9	12.2	9.2	10.0	10.1	10.9	12.2
	4H	10.8	11.6	11.8	12.5	13.8	10.8	11.6	11.8	12.5	13.8
	6H	12.5	13.1	13.4	14.1	15.4	12.5	13.1	13.4	14.1	15.4
	8H	13.3	13.9	14.2	14.9	16.1	13.3	13.9	14.2	14.9	16.1
	12H	14.1	14.6	15.0	15.6	16.9	14.1	14.6	15.0	15.6	16.9
8H	4H	11.4	12.0	12.3	13.0	14.2	11.4	12.0	12.3	13.0	14.2
	6H	13.2	13.8	14.2	14.8	16.0	13.2	13.8	14.2	14.8	16.0
	8H	14.2	14.7	15.1	15.6	16.9	14.2	14.7	15.1	15.6	16.9
	12H	15.1	15.6	16.1	16.6	17.9	15.1	15.6	16.1	16.6	17.9
12H	4H	11.5	12.1	12.4	13.0	14.3	11.5	12.1	12.4	13.0	14.3
	6H	13.4	13.9	14.4	14.9	16.2	13.4	13.9	14.4	14.9	16.2
	8H	14.4	14.9	15.4	15.9	17.2	14.4	14.9	15.4	15.9	17.2

(END OF REPORT)