

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: P1244934

Luminaire Tested: PRLX-MIN-M-940-06L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244934
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-940-06L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

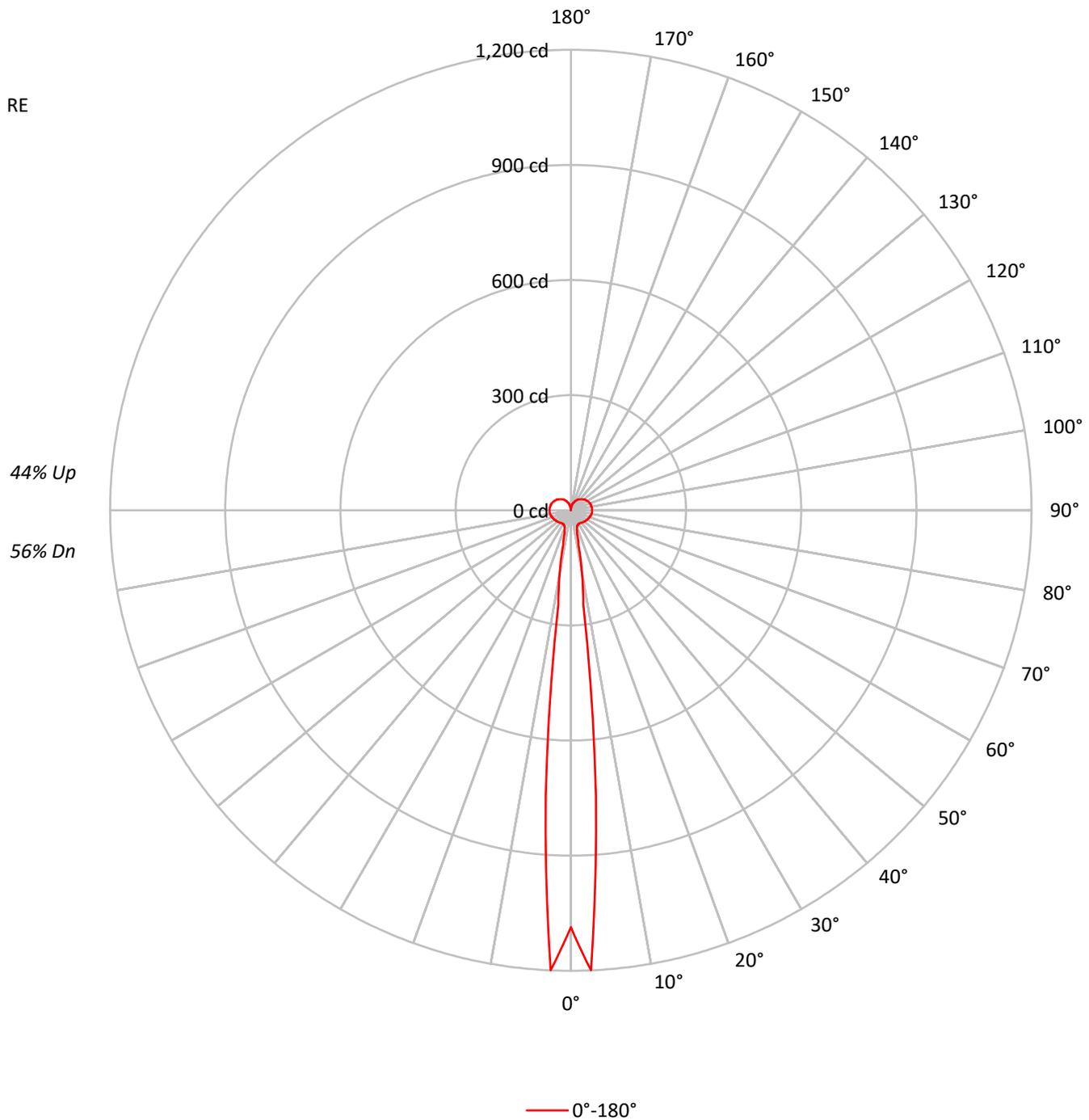
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 639.1 lumens
Efficiency: N/A
Efficacy: 30.0 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°	55649
5°	28130
10°	5041
15°	1604
20°	1005
25°	815
30°	709
35°	651
40°	631
45°	617
50°	609
55°	606
60°	608
65°	614
70°	625
75°	640
80°	651
85°	666

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 678 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	7.5
10°-20°	20.9	3.3
20°-30°	19.7	3.1
30°-40°	26.0	4.1
40°-50°	34.2	5.3
50°-60°	42.5	6.6
60°-70°	50.1	7.8
70°-80°	56.7	8.9
80°-90°	60.2	9.4
90°-100°	60.2	9.4
100°-110°	57.0	8.9
110°-120°	50.8	8.0
120°-130°	41.9	6.6
130°-140°	31.7	5.0
140°-150°	21.7	3.4
150°-160°	12.2	1.9
160°-170°	4.9	0.8
170°-180°	0.4	0.1
0°-30°	88.5	13.8
0°-40°	114.4	17.9
0°-60°	191.1	29.9
0°-90°	358.2	56.0
90°-120°	168.1	26.3
90°-150°	263.5	41.2
90°-180°	281.0	44.0
0°-180°	639.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1086	
5°	747	48
15°	64	21
25°	42	20
35°	41	26
45°	44	34
55°	47	42
65°	50	50
75°	54	57
85°	55	45
90°	55	30
95°	55	45
105°	54	57
115°	51	51
125°	46	42
135°	41	32
145°	34	22
155°	26	12
165°	17	5
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1085.9
2.5°	1199.7
5°	746.9
7.5°	247.6
10°	168.3
12.5°	92.2
15°	64.1
17.5°	52.9
20°	46.5
22.5°	44.1
25°	42.5
27.5°	40.9
30°	40.9
32.5°	40.9
35°	40.9
37.5°	41.7
40°	42.5
42.5°	43.3
45°	44.1
47.5°	44.9
50°	45.7
52.5°	46.5
55°	47.3
57.5°	48.1
60°	48.9
62.5°	49.7
65°	50.5
67.5°	51.3
70°	52.1
72.5°	52.9
75°	53.7
77.5°	54.5
80°	54.5
82.5°	55.3
85°	55.3
87.5°	55.3
90°	55.3
92.5°	55.3
95°	55.3
97.5°	55.3
100°	54.5
102.5°	54.5
105°	53.7
107.5°	53.7
110°	52.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	52.1
115°	51.3
117.5°	50.5
120°	48.9
122.5°	48.1
125°	46.5
127.5°	45.7
130°	44.1
132.5°	42.5
135°	40.9
137.5°	39.3
140°	37.7
142.5°	36.1
145°	34.5
147.5°	32.9
150°	30.5
152.5°	28.0
155°	26.4
157.5°	24.0
160°	21.6
162.5°	20.0
165°	16.8
167.5°	13.6
170°	9.6
172.5°	5.6
175°	1.6
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	5.6	6.7	6.5	7.6	8.8	5.6	6.7	6.5	7.6	8.8
	3H	8.7	9.6	9.6	10.5	11.7	8.7	9.6	9.6	10.5	11.7
	4H	10.2	11.1	11.1	12.0	13.2	10.2	11.1	11.1	12.0	13.2
	6H	11.7	12.5	12.6	13.4	14.7	11.7	12.5	12.6	13.4	14.7
	8H	12.4	13.2	13.3	14.1	15.3	12.4	13.2	13.3	14.1	15.3
	12H	13.0	13.8	14.0	14.8	16.0	13.0	13.8	14.0	14.8	16.0
4H	2H	6.4	7.3	7.3	8.3	9.5	6.4	7.3	7.3	8.3	9.5
	3H	9.6	10.4	10.6	11.4	12.6	9.6	10.4	10.6	11.4	12.6
	4H	11.3	12.0	12.2	13.0	14.2	11.3	12.0	12.2	13.0	14.2
	6H	12.9	13.6	13.9	14.6	15.8	12.9	13.6	13.9	14.6	15.8
	8H	13.7	14.3	14.7	15.3	16.6	13.7	14.3	14.7	15.3	16.6
	12H	14.5	15.1	15.5	16.1	17.3	14.5	15.1	15.5	16.1	17.3
8H	4H	11.8	12.4	12.8	13.4	14.7	11.8	12.4	12.8	13.4	14.7
	6H	13.7	14.2	14.6	15.2	16.5	13.7	14.2	14.6	15.2	16.5
	8H	14.6	15.1	15.6	16.1	17.4	14.6	15.1	15.6	16.1	17.4
	12H	15.6	16.0	16.6	17.0	18.3	15.6	16.0	16.6	17.0	18.3
12H	4H	11.9	12.5	12.9	13.5	14.7	11.9	12.5	12.9	13.5	14.7
	6H	13.9	14.3	14.8	15.3	16.6	13.9	14.3	14.8	15.3	16.6
	8H	14.9	15.3	15.9	16.3	17.6	14.9	15.3	15.9	16.3	17.6

(END OF REPORT)