

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: P1244928

Luminaire Tested: PRLX-MIN-M-940-03L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244928
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-940-03L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

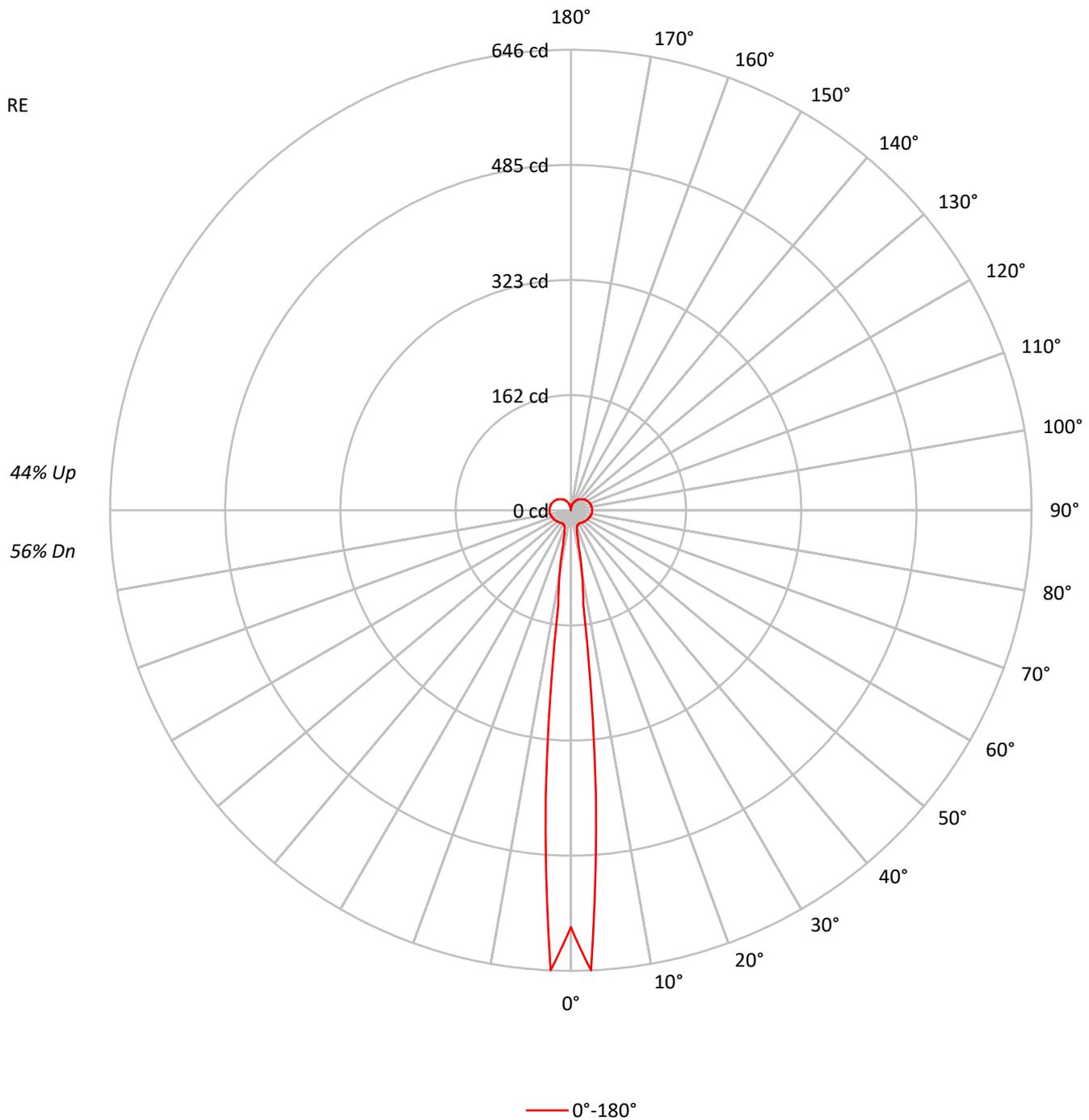
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 344.0 lumens
Efficiency: N/A
Efficacy: 31.0 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): 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	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	30
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°	29959
5°	15144
10°	2714
15°	863
20°	541
25°	439
30°	381
35°	350
40°	340
45°	331
50°	328
55°	327
60°	327
65°	331
70°	336
75°	345
80°	350
85°	359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	7.5
10°-20°	11.3	3.3
20°-30°	10.6	3.1
30°-40°	14.0	4.1
40°-50°	18.4	5.3
50°-60°	22.9	6.6
60°-70°	27.0	7.8
70°-80°	30.5	8.9
80°-90°	32.4	9.4
90°-100°	32.4	9.4
100°-110°	30.7	8.9
110°-120°	27.4	8.0
120°-130°	22.6	6.6
130°-140°	17.1	5.0
140°-150°	11.7	3.4
150°-160°	6.6	1.9
160°-170°	2.6	0.8
170°-180°	0.2	0.1
0°-30°	47.6	13.8
0°-40°	61.6	17.9
0°-60°	102.8	29.9
0°-90°	192.8	56.0
90°-120°	90.5	26.3
90°-150°	141.8	41.2
90°-180°	151.0	43.9
0°-180°	344.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	585	
5°	402	26
15°	34	11
25°	23	11
35°	22	14
45°	24	18
55°	26	23
65°	27	27
75°	29	31
85°	30	24
90°	30	16
95°	30	24
105°	29	31
115°	28	27
125°	25	23
135°	22	17
145°	19	12
155°	14	7
165°	9	3
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	584.6
2.5°	645.9
5°	402.1
7.5°	133.3
10°	90.6
12.5°	49.6
15°	34.5
17.5°	28.5
20°	25.0
22.5°	23.7
25°	22.9
27.5°	22.0
30°	22.0
32.5°	22.0
35°	22.0
37.5°	22.4
40°	22.9
42.5°	23.3
45°	23.7
47.5°	24.2
50°	24.6
52.5°	25.0
55°	25.5
57.5°	25.9
60°	26.3
62.5°	26.7
65°	27.2
67.5°	27.6
70°	28.0
72.5°	28.5
75°	28.9
77.5°	29.3
80°	29.3
82.5°	29.8
85°	29.8
87.5°	29.8
90°	29.8
92.5°	29.8
95°	29.8
97.5°	29.8
100°	29.3
102.5°	29.3
105°	28.9
107.5°	28.9
110°	28.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	28.0
115°	27.6
117.5°	27.2
120°	26.3
122.5°	25.9
125°	25.0
127.5°	24.6
130°	23.7
132.5°	22.9
135°	22.0
137.5°	21.1
140°	20.3
142.5°	19.4
145°	18.6
147.5°	17.7
150°	16.4
152.5°	15.1
155°	14.2
157.5°	12.9
160°	11.6
162.5°	10.8
165°	9.1
167.5°	7.3
170°	5.2
172.5°	3.0
175°	0.9
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	3.5	4.5	4.4	5.4	6.6	3.5	4.5	4.4	5.4	6.6
	3H	6.5	7.5	7.4	8.4	9.6	6.5	7.5	7.4	8.4	9.6
	4H	8.0	8.9	8.9	9.9	11.1	8.0	8.9	8.9	9.9	11.1
	6H	9.5	10.3	10.4	11.3	12.5	9.5	10.3	10.4	11.3	12.5
	8H	10.2	11.0	11.1	12.0	13.2	10.2	11.0	11.1	12.0	13.2
	12H	10.9	11.7	11.8	12.6	13.9	10.9	11.7	11.8	12.6	13.9
4H	2H	4.3	5.2	5.2	6.1	7.3	4.3	5.2	5.2	6.1	7.3
	3H	7.5	8.3	8.4	9.2	10.5	7.5	8.3	8.4	9.2	10.5
	4H	9.1	9.9	10.1	10.8	12.1	9.1	9.9	10.1	10.8	12.1
	6H	10.8	11.4	11.7	12.4	13.6	10.8	11.4	11.7	12.4	13.6
	8H	11.6	12.2	12.5	13.2	14.4	11.6	12.2	12.5	13.2	14.4
	12H	12.4	12.9	13.3	13.9	15.2	12.4	12.9	13.3	13.9	15.2
8H	4H	9.7	10.3	10.6	11.2	12.5	9.7	10.3	10.6	11.2	12.5
	6H	11.5	12.0	12.5	13.0	14.3	11.5	12.0	12.5	13.0	14.3
	8H	12.5	12.9	13.4	13.9	15.2	12.5	12.9	13.4	13.9	15.2
	12H	13.4	13.9	14.4	14.9	16.2	13.4	13.9	14.4	14.9	16.2
12H	4H	9.8	10.3	10.7	11.3	12.6	9.8	10.3	10.7	11.3	12.6
	6H	11.7	12.2	12.7	13.2	14.5	11.7	12.2	12.7	13.2	14.5
	8H	12.7	13.2	13.7	14.2	15.5	12.7	13.2	13.7	14.2	15.5

(END OF REPORT)