

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: P1244901

Luminaire Tested: PRLX-MIN-M-930-04L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244901
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-930-04L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

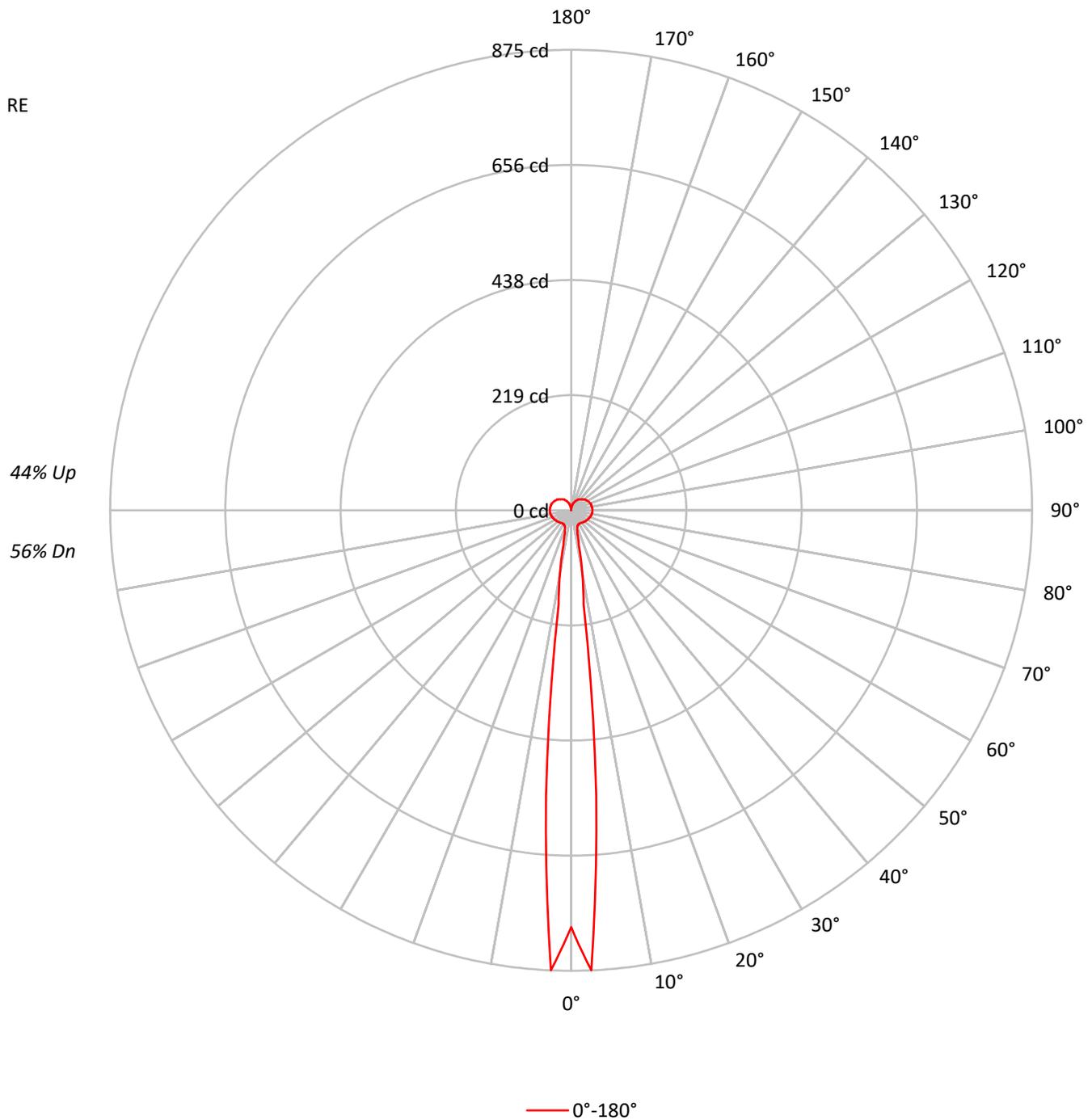
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 466.0 lumens
Efficiency: N/A
Efficacy: 28.8 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): 16.2
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

TEST NUMBER: P1244901
CATALOG NUMBER: PRLX-MIN-M-930-04L-U-OW

Luminous Intensity Polar Plot





TEST NUMBER: P1244901

CATALOG NUMBER: PRLX-MIN-M-930-04L-U-OW

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°	40583
5°	20515
10°	3675
15°	1171
20°	733
25°	594
30°	516
35°	475
40°	460
45°	449
50°	444
55°	442
60°	444
65°	448
70°	456
75°	467
80°	474
85°	486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 494 cd/sqm



TEST NUMBER: P1244901

CATALOG NUMBER: PRLX-MIN-M-930-04L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	7.5
10°-20°	15.3	3.3
20°-30°	14.4	3.1
30°-40°	18.9	4.1
40°-50°	24.9	5.3
50°-60°	31.0	6.6
60°-70°	36.6	7.8
70°-80°	41.4	8.9
80°-90°	43.9	9.4
90°-100°	43.9	9.4
100°-110°	41.6	8.9
110°-120°	37.1	8.0
120°-130°	30.6	6.6
130°-140°	23.1	5.0
140°-150°	15.8	3.4
150°-160°	8.9	1.9
160°-170°	3.5	0.8
170°-180°	0.3	0.1
0°-30°	64.5	13.8
0°-40°	83.4	17.9
0°-60°	139.3	29.9
0°-90°	261.1	56.0
90°-120°	122.6	26.3
90°-150°	192.1	41.2
90°-180°	205.0	44.0
0°-180°	466.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	792	
5°	545	35
15°	47	15
25°	31	14
35°	30	19
45°	32	25
55°	34	31
65°	37	37
75°	39	41
85°	40	33
90°	40	22
95°	40	33
105°	39	42
115°	37	37
125°	34	31
135°	30	23
145°	25	16
155°	19	9
165°	12	4
175°	1	0
180°	0	

TEST NUMBER: P1244901

CATALOG NUMBER: PRLX-MIN-M-930-04L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	791.9
2.5°	874.9
5°	544.7
7.5°	180.6
10°	122.7
12.5°	67.2
15°	46.8
17.5°	38.6
20°	33.9
22.5°	32.1
25°	31.0
27.5°	29.8
30°	29.8
32.5°	29.8
35°	29.8
37.5°	30.4
40°	31.0
42.5°	31.6
45°	32.1
47.5°	32.7
50°	33.3
52.5°	33.9
55°	34.5
57.5°	35.1
60°	35.7
62.5°	36.2
65°	36.8
67.5°	37.4
70°	38.0
72.5°	38.6
75°	39.2
77.5°	39.7
80°	39.7
82.5°	40.3
85°	40.3
87.5°	40.3
90°	40.3
92.5°	40.3
95°	40.3
97.5°	40.3
100°	39.7
102.5°	39.7
105°	39.2
107.5°	39.2
110°	38.6

TEST NUMBER: P1244901

CATALOG NUMBER: PRLX-MIN-M-930-04L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.0
115°	37.4
117.5°	36.8
120°	35.7
122.5°	35.1
125°	33.9
127.5°	33.3
130°	32.1
132.5°	31.0
135°	29.8
137.5°	28.6
140°	27.5
142.5°	26.3
145°	25.1
147.5°	24.0
150°	22.2
152.5°	20.5
155°	19.3
157.5°	17.5
160°	15.8
162.5°	14.6
165°	12.3
167.5°	9.9
170°	7.0
172.5°	4.1
175°	1.2
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	4.6	5.6	5.4	6.5	7.7	4.6	5.6	5.4	6.5	7.7
	3H	7.6	8.5	8.5	9.5	10.7	7.6	8.5	8.5	9.5	10.7
	4H	9.1	10.0	10.0	10.9	12.1	9.1	10.0	10.0	10.9	12.1
	6H	10.6	11.4	11.5	12.3	13.6	10.6	11.4	11.5	12.3	13.6
	8H	11.3	12.1	12.2	13.0	14.2	11.3	12.1	12.2	13.0	14.2
	12H	11.9	12.7	12.9	13.7	14.9	11.9	12.7	12.9	13.7	14.9
4H	2H	5.3	6.2	6.2	7.2	8.4	5.3	6.2	6.2	7.2	8.4
	3H	8.5	9.3	9.5	10.3	11.5	8.5	9.3	9.5	10.3	11.5
	4H	10.2	10.9	11.1	11.9	13.1	10.2	10.9	11.1	11.9	13.1
	6H	11.8	12.5	12.8	13.5	14.7	11.8	12.5	12.8	13.5	14.7
	8H	12.6	13.2	13.6	14.2	15.5	12.6	13.2	13.6	14.2	15.5
	12H	13.4	14.0	14.4	15.0	16.2	13.4	14.0	14.4	15.0	16.2
8H	4H	10.7	11.3	11.7	12.3	13.6	10.7	11.3	11.7	12.3	13.6
	6H	12.6	13.1	13.5	14.1	15.4	12.6	13.1	13.5	14.1	15.4
	8H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3
	12H	14.5	14.9	15.5	15.9	17.2	14.5	14.9	15.5	15.9	17.2
12H	4H	10.8	11.4	11.8	12.4	13.7	10.8	11.4	11.8	12.4	13.7
	6H	12.8	13.2	13.7	14.2	15.5	12.8	13.2	13.7	14.2	15.5
	8H	13.8	14.2	14.8	15.2	16.5	13.8	14.2	14.8	15.2	16.5

(END OF REPORT)