

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: P1244937

Luminaire Tested: PRLX-MIN-M-940-07L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244937
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-940-07L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

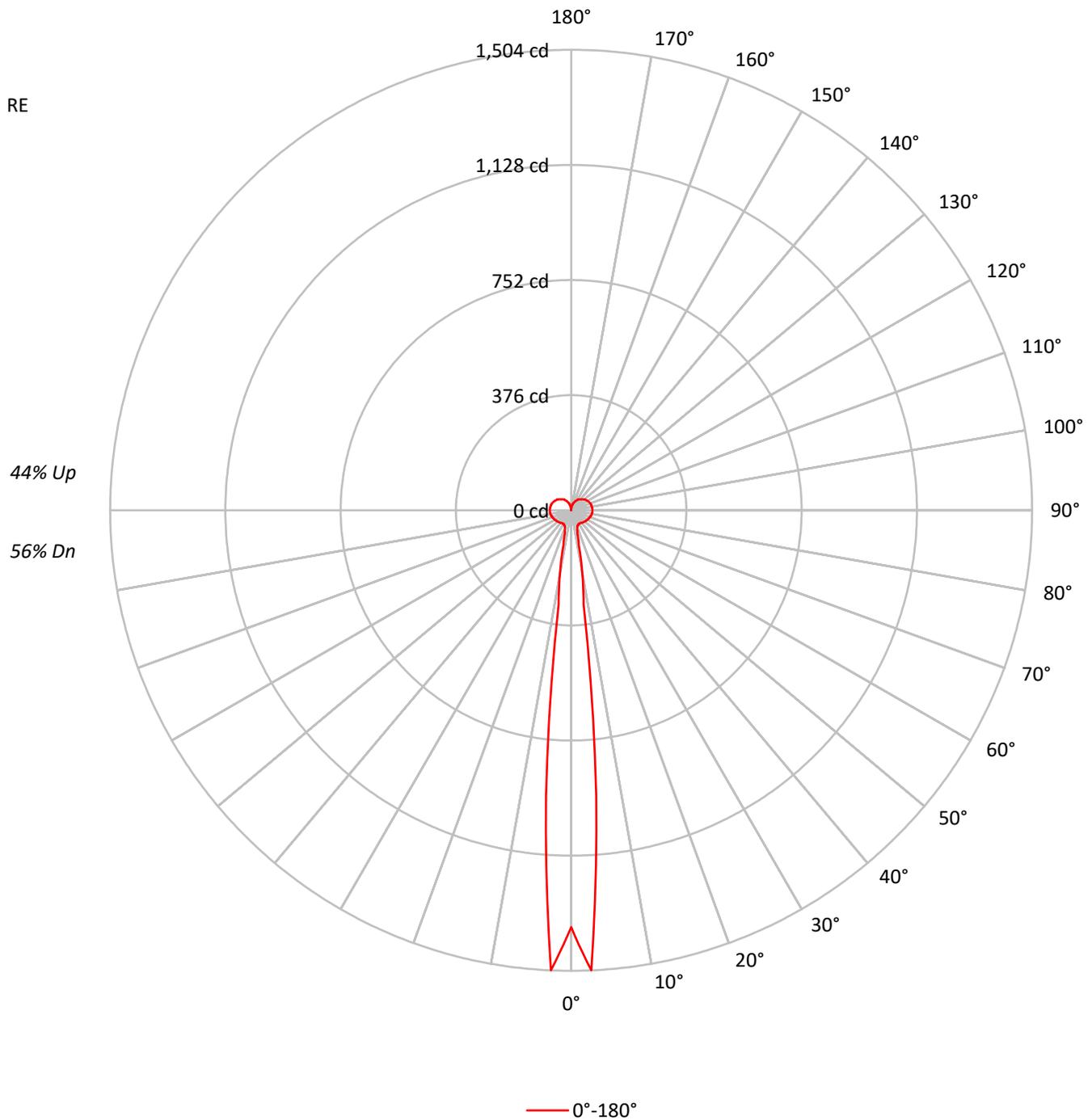
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 801.0 lumens
Efficiency: N/A
Efficacy: 27.7 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): 28.9
Input Voltage (V): NR
Input Current (A_{in}): 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°	69758
5°	35263
10°	6320
15°	2012
20°	1261
25°	1020
30°	887
35°	815
40°	789
45°	773
50°	763
55°	760
60°	762
65°	770
70°	783
75°	802
80°	815
85°	835

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 849 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	7.5
10°-20°	26.2	3.3
20°-30°	24.7	3.1
30°-40°	32.5	4.1
40°-50°	42.8	5.3
50°-60°	53.2	6.6
60°-70°	62.9	7.8
70°-80°	71.1	8.9
80°-90°	75.5	9.4
90°-100°	75.5	9.4
100°-110°	71.5	8.9
110°-120°	63.7	8.0
120°-130°	52.6	6.6
130°-140°	39.7	5.0
140°-150°	27.2	3.4
150°-160°	15.3	1.9
160°-170°	6.1	0.8
170°-180°	0.6	0.1
0°-30°	110.9	13.8
0°-40°	143.4	17.9
0°-60°	239.4	29.9
0°-90°	448.9	56.0
90°-120°	210.7	26.3
90°-150°	330.2	41.2
90°-180°	352.0	43.9
0°-180°	801.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1361	
5°	936	60
15°	80	26
25°	53	25
35°	51	33
45°	55	43
55°	59	53
65°	63	63
75°	67	71
85°	69	56
90°	69	38
95°	69	56
105°	67	71
115°	64	64
125°	58	53
135°	51	40
145°	43	27
155°	33	15
165°	21	6
175°	2	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1361.2
2.5°	1503.9
5°	936.3
7.5°	310.4
10°	211.0
12.5°	115.5
15°	80.4
17.5°	66.3
20°	58.3
22.5°	55.3
25°	53.2
27.5°	51.2
30°	51.2
32.5°	51.2
35°	51.2
37.5°	52.2
40°	53.2
42.5°	54.2
45°	55.3
47.5°	56.3
50°	57.3
52.5°	58.3
55°	59.3
57.5°	60.3
60°	61.3
62.5°	62.3
65°	63.3
67.5°	64.3
70°	65.3
72.5°	66.3
75°	67.3
77.5°	68.3
80°	68.3
82.5°	69.3
85°	69.3
87.5°	69.3
90°	69.3
92.5°	69.3
95°	69.3
97.5°	69.3
100°	68.3
102.5°	68.3
105°	67.3
107.5°	67.3
110°	66.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	65.3
115°	64.3
117.5°	63.3
120°	61.3
122.5°	60.3
125°	58.3
127.5°	57.3
130°	55.3
132.5°	53.2
135°	51.2
137.5°	49.2
140°	47.2
142.5°	45.2
145°	43.2
147.5°	41.2
150°	38.2
152.5°	35.2
155°	33.2
157.5°	30.1
160°	27.1
162.5°	25.1
165°	21.1
167.5°	17.1
170°	12.1
172.5°	7.0
175°	2.0
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	6.4	7.5	7.3	8.4	9.5	6.4	7.5	7.3	8.4	9.5
	3H	9.5	10.4	10.4	11.3	12.5	9.5	10.4	10.4	11.3	12.5
	4H	11.0	11.9	11.9	12.8	14.0	11.0	11.9	11.9	12.8	14.0
	6H	12.4	13.3	13.4	14.2	15.4	12.4	13.3	13.4	14.2	15.4
	8H	13.1	14.0	14.1	14.9	16.1	13.1	14.0	14.1	14.9	16.1
	12H	13.8	14.6	14.8	15.6	16.8	13.8	14.6	14.8	15.6	16.8
4H	2H	7.2	8.1	8.1	9.0	10.2	7.2	8.1	8.1	9.0	10.2
	3H	10.4	11.2	11.3	12.2	13.4	10.4	11.2	11.3	12.2	13.4
	4H	12.1	12.8	13.0	13.8	15.0	12.1	12.8	13.0	13.8	15.0
	6H	13.7	14.4	14.6	15.3	16.6	13.7	14.4	14.6	15.3	16.6
	8H	14.5	15.1	15.5	16.1	17.4	14.5	15.1	15.5	16.1	17.4
	12H	15.3	15.9	16.3	16.9	18.1	15.3	15.9	16.3	16.9	18.1
8H	4H	12.6	13.2	13.5	14.2	15.4	12.6	13.2	13.5	14.2	15.4
	6H	14.4	15.0	15.4	16.0	17.2	14.4	15.0	15.4	16.0	17.2
	8H	15.4	15.9	16.4	16.9	18.1	15.4	15.9	16.4	16.9	18.1
	12H	16.4	16.8	17.3	17.8	19.1	16.4	16.8	17.3	17.8	19.1
12H	4H	12.7	13.3	13.7	14.3	15.5	12.7	13.3	13.7	14.3	15.5
	6H	14.6	15.1	15.6	16.1	17.4	14.6	15.1	15.6	16.1	17.4
	8H	15.7	16.1	16.6	17.1	18.4	15.7	16.1	16.6	17.1	18.4

(END OF REPORT)