

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: P1245196

Luminaire Tested: PRLX-NIM-M-940-04L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-M-940-04L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

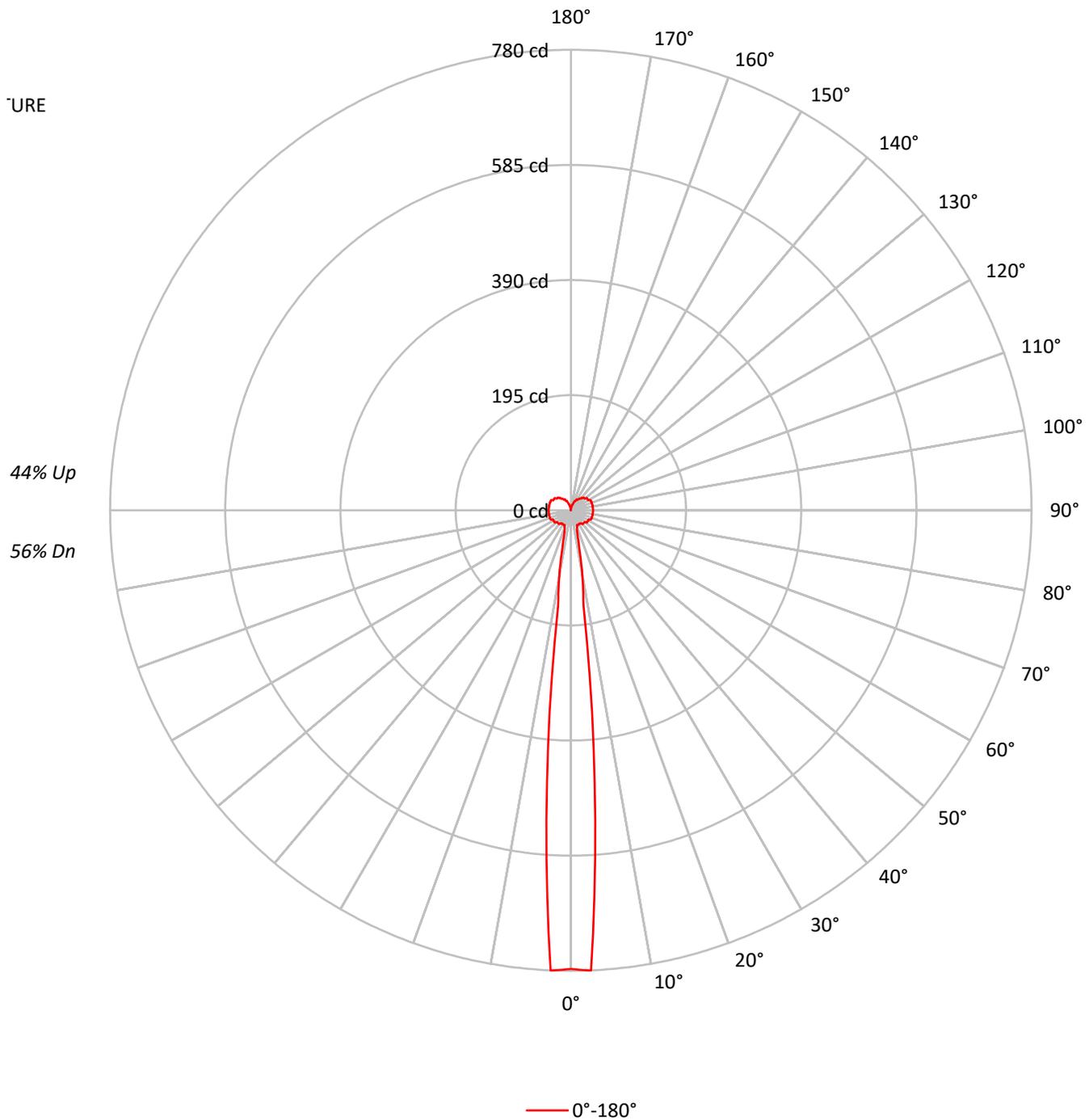
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 442.3 lumens
Efficiency: N/A
Efficacy: 27.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 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

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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	108	108	108	108	101	101	101	101	86	86	86		73	73	73		61	61	61	56
1	95	89	83	78	88	82	77	73	70	66	63		58	55	53		48	46	44	38
2	85	76	68	62	78	70	63	58	60	54	50		50	46	42		40	37	35	30
3	77	66	58	51	71	61	54	47	52	46	41		43	39	35		35	32	29	25
4	71	59	50	43	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	37	60	49	41	35	42	35	30		35	30	26		29	25	22	18
6	60	47	39	32	56	44	36	30	38	32	27		32	27	23		27	23	20	17
7	56	43	35	29	52	40	33	27	35	29	24		30	25	21		25	21	18	15
8	53	40	32	26	49	37	30	25	32	26	22		28	23	19		23	19	17	14
9	49	37	29	24	46	34	27	22	30	24	20		26	21	18		22	18	15	13
10	47	34	27	22	43	32	25	21	28	22	19		24	20	17		21	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39814
5°	17453
10°	3366
15°	1108
20°	664
25°	523
30°	473
35°	435
40°	455
45°	429
50°	409
55°	437
60°	424
65°	456
70°	450
75°	447
80°	448
85°	452

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 460 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.9	7.0
10°-20°	14.1	3.2
20°-30°	12.8	2.9
30°-40°	17.4	3.9
40°-50°	23.8	5.4
50°-60°	30.2	6.8
60°-70°	36.0	8.1
70°-80°	39.7	9.0
80°-90°	40.9	9.3
90°-100°	40.9	9.3
100°-110°	39.7	9.0
110°-120°	36.8	8.3
120°-130°	30.2	6.8
130°-140°	22.8	5.2
140°-150°	14.5	3.3
150°-160°	8.4	1.9
160°-170°	2.7	0.6
170°-180°	0.3	0.1
0°-30°	57.9	13.1
0°-40°	75.3	17.0
0°-60°	129.3	29.2
0°-90°	245.9	55.6
90°-120°	117.4	26.5
90°-150°	185.0	41.8
90°-180°	196.0	44.3
0°-180°	442.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	777	
5°	463	31
15°	44	14
25°	27	13
35°	27	17
45°	31	24
55°	34	30
65°	38	36
75°	38	40
85°	38	31
90°	38	21
95°	38	31
105°	38	40
115°	38	37
125°	34	30
135°	31	23
145°	24	15
155°	17	8
165°	10	3
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	776.9
2.5°	780.3
5°	463.4
7.5°	163.5
10°	112.4
12.5°	64.7
15°	44.3
17.5°	34.1
20°	30.7
22.5°	27.3
25°	27.3
27.5°	27.3
30°	27.3
32.5°	27.3
35°	27.3
37.5°	27.3
40°	30.7
42.5°	30.7
45°	30.7
47.5°	30.7
50°	30.7
52.5°	34.1
55°	34.1
57.5°	34.1
60°	34.1
62.5°	34.1
65°	37.5
67.5°	37.5
70°	37.5
72.5°	37.5
75°	37.5
77.5°	37.5
80°	37.5
82.5°	37.5
85°	37.5
87.5°	37.5
90°	37.5
92.5°	37.5
95°	37.5
97.5°	37.5
100°	37.5
102.5°	37.5
105°	37.5
107.5°	37.5
110°	37.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	37.5
115°	37.5
117.5°	37.5
120°	34.1
122.5°	34.1
125°	34.1
127.5°	34.1
130°	30.7
132.5°	30.7
135°	30.7
137.5°	27.3
140°	27.3
142.5°	23.9
145°	23.9
147.5°	20.4
150°	20.4
152.5°	20.4
155°	17.0
157.5°	17.0
160°	13.6
162.5°	10.2
165°	10.2
167.5°	6.8
170°	6.8
172.5°	3.4
175°	0.0
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	4.5	5.5	5.4	6.5	7.6	4.5	5.5	5.4	6.5	7.6
	3H	7.6	8.6	8.5	9.5	10.7	7.6	8.6	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	10.5	11.3	11.4	12.3	13.5	10.5	11.3	11.4	12.3	13.5
	8H	11.1	11.9	12.1	12.9	14.1	11.1	11.9	12.1	12.9	14.1
	12H	11.8	12.6	12.7	13.5	14.8	11.8	12.6	12.7	13.5	14.8
4H	2H	5.4	6.3	6.3	7.2	8.4	5.4	6.3	6.3	7.2	8.4
	3H	8.6	9.4	9.5	10.4	11.6	8.6	9.4	9.5	10.4	11.6
	4H	10.2	10.9	11.1	11.9	13.1	10.2	10.9	11.1	11.9	13.1
	6H	11.7	12.4	12.7	13.4	14.6	11.7	12.4	12.7	13.4	14.6
	8H	12.5	13.1	13.4	14.1	15.4	12.5	13.1	13.4	14.1	15.4
	12H	13.2	13.8	14.2	14.8	16.1	13.2	13.8	14.2	14.8	16.1
8H	4H	10.7	11.3	11.6	12.3	13.5	10.7	11.3	11.6	12.3	13.5
	6H	12.4	13.0	13.4	14.0	15.3	12.4	13.0	13.4	14.0	15.3
	8H	13.3	13.8	14.3	14.8	16.1	13.3	13.8	14.3	14.8	16.1
	12H	14.3	14.7	15.3	15.7	17.0	14.3	14.7	15.3	15.7	17.0
12H	4H	10.8	11.4	11.8	12.4	13.6	10.8	11.4	11.8	12.4	13.6
	6H	12.6	13.1	13.6	14.1	15.4	12.6	13.1	13.6	14.1	15.4
	8H	13.6	14.0	14.6	15.0	16.4	13.6	14.0	14.6	15.0	16.4

(END OF REPORT)