

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: P1245437

Luminaire Tested: PRLX-UNA-M-940-06L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-M-940-06L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

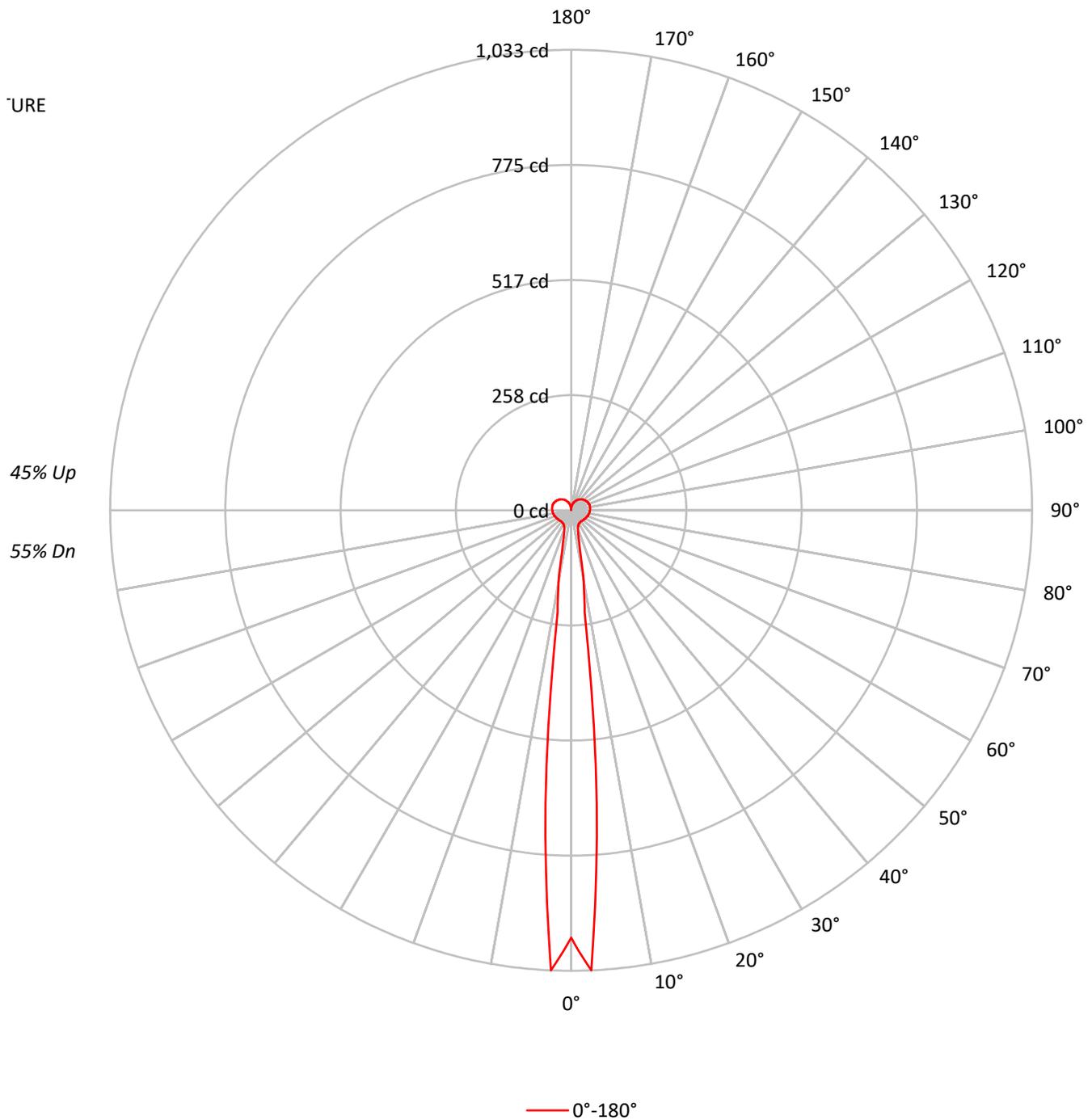
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 514.0 lumens
Efficiency: N/A
Efficacy: 24.1 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	108	108	108	108	101	101	101	101	86	86	86		73	73	73		61	61	61	55
1	95	90	84	79	88	83	78	74	70	67	64		59	56	54		48	46	45	39
2	86	77	70	63	79	71	65	59	61	56	51		51	47	43		42	39	36	31
3	78	68	59	53	72	63	55	49	53	48	43		45	40	36		37	33	30	26
4	72	60	51	45	66	56	48	42	48	42	37		40	35	32		33	30	27	23
5	67	54	45	39	61	50	43	37	43	37	32		37	32	28		31	27	24	21
6	62	49	41	34	57	46	38	33	40	33	29		34	29	25		28	25	22	19
7	58	45	37	31	53	42	35	29	37	31	26		31	27	23		27	23	20	17
8	54	41	34	28	50	39	32	27	34	28	24		29	25	21		25	21	19	16
9	51	38	31	26	47	36	29	25	32	26	22		28	23	20		24	20	17	15
10	48	36	29	24	45	34	27	23	30	24	21		26	22	19		23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49136
5°	24869
10°	4777
15°	1604
20°	958
25°	732
30°	603
35°	543
40°	496
45°	477
50°	464
55°	454
60°	458
65°	456
70°	465
75°	479
80°	488
85°	501

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 517 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	8.3
10°-20°	20.4	4.0
20°-30°	17.7	3.4
30°-40°	21.3	4.1
40°-50°	26.3	5.1
50°-60°	31.9	6.2
60°-70°	37.3	7.3
70°-80°	42.3	8.2
80°-90°	45.4	8.8
90°-100°	46.5	9.1
100°-110°	45.3	8.8
110°-120°	41.2	8.0
120°-130°	34.6	6.7
130°-140°	26.8	5.2
140°-150°	18.5	3.6
150°-160°	10.7	2.1
160°-170°	4.6	0.9
170°-180°	0.7	0.1
0°-30°	80.7	15.7
0°-40°	102.0	19.8
0°-60°	160.2	31.2
0°-90°	285.1	55.5
90°-120°	133.0	25.9
90°-150°	212.9	41.4
90°-180°	229.0	44.6
0°-180°	514.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	959	
5°	660	43
15°	64	20
25°	38	18
35°	34	21
45°	34	26
55°	35	32
65°	38	37
75°	40	42
85°	42	34
90°	42	23
95°	43	35
105°	43	45
115°	42	41
125°	39	35
135°	35	27
145°	29	18
155°	23	11
165°	16	5
175°	5	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	958.8
2.5°	1033.1
5°	660.3
7.5°	230.3
10°	159.5
12.5°	91.3
15°	64.1
17.5°	51.8
20°	44.3
22.5°	40.2
25°	38.2
27.5°	36.1
30°	34.8
32.5°	34.1
35°	34.1
37.5°	33.4
40°	33.4
42.5°	33.4
45°	34.1
47.5°	34.1
50°	34.8
52.5°	34.8
55°	35.4
57.5°	36.1
60°	36.8
62.5°	36.8
65°	37.5
67.5°	38.2
70°	38.8
72.5°	39.5
75°	40.2
77.5°	40.2
80°	40.9
82.5°	41.6
85°	41.6
87.5°	41.6
90°	42.2
92.5°	42.2
95°	42.9
97.5°	42.9
100°	42.9
102.5°	42.9
105°	42.9
107.5°	42.9
110°	42.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	42.2
115°	41.6
117.5°	40.9
120°	40.2
122.5°	39.5
125°	38.8
127.5°	37.5
130°	36.8
132.5°	35.4
135°	34.8
137.5°	33.4
140°	32.0
142.5°	30.7
145°	29.3
147.5°	27.9
150°	26.6
152.5°	24.5
155°	23.2
157.5°	21.1
160°	19.8
162.5°	17.7
165°	15.7
167.5°	13.6
170°	11.6
172.5°	8.2
175°	4.8
177.5°	2.0
180°	0.7



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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	4.4	5.4	5.3	6.3	7.5	4.4	5.4	5.3	6.3	7.5
	3H	7.4	8.3	8.3	9.3	10.5	7.4	8.3	8.3	9.3	10.5
	4H	8.9	9.8	9.8	10.7	11.9	8.9	9.8	9.8	10.7	11.9
	6H	10.4	11.2	11.3	12.1	13.4	10.4	11.2	11.3	12.1	13.4
	8H	11.1	11.9	12.0	12.8	14.1	11.1	11.9	12.0	12.8	14.1
	12H	11.8	12.5	12.7	13.5	14.8	11.8	12.5	12.7	13.5	14.8
4H	2H	5.2	6.1	6.1	7.0	8.2	5.2	6.1	6.1	7.0	8.2
	3H	8.4	9.1	9.3	10.1	11.3	8.4	9.1	9.3	10.1	11.3
	4H	10.0	10.7	11.0	11.7	12.9	10.0	10.7	11.0	11.7	12.9
	6H	11.7	12.3	12.6	13.3	14.5	11.7	12.3	12.6	13.3	14.5
	8H	12.5	13.1	13.4	14.0	15.3	12.5	13.1	13.4	14.0	15.3
	12H	13.3	13.8	14.2	14.8	16.1	13.3	13.8	14.2	14.8	16.1
8H	4H	10.5	11.1	11.5	12.1	13.4	10.5	11.1	11.5	12.1	13.4
	6H	12.4	12.9	13.4	13.9	15.2	12.4	12.9	13.4	13.9	15.2
	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	17.1	14.3	14.7	15.3	15.7	17.1
12H	4H	10.7	11.2	11.6	12.2	13.5	10.7	11.2	11.6	12.2	13.5
	6H	12.6	13.0	13.6	14.0	15.3	12.6	13.0	13.6	14.0	15.3
	8H	13.6	14.0	14.6	15.0	16.4	13.6	14.0	14.6	15.0	16.4

(END OF REPORT)