

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: P1245428

Luminaire Tested: PRLX-UNA-M-940-01L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245428
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-940-01L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

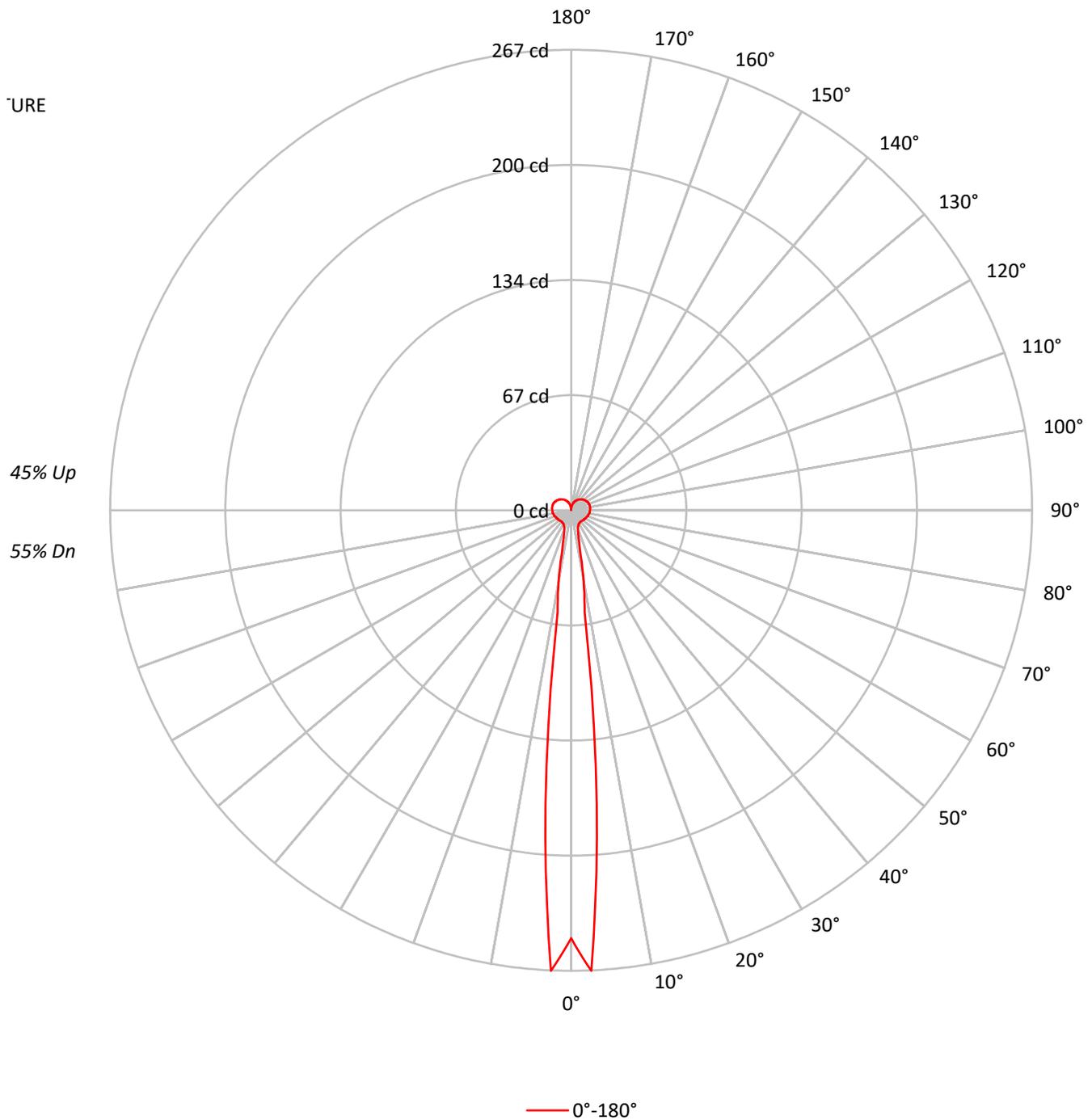
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 133.0 lumens
Efficiency: N/A
Efficacy: 21.1 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): 6.3
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

TEST NUMBER: P1245428
CATALOG NUMBER: PRLX-UNA-M-940-01L-U-NL

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	55	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°	12714
5°	6437
10°	1237
15°	415
20°	249
25°	190
30°	156
35°	140
40°	128
45°	123
50°	120
55°	118
60°	118
65°	118
70°	121
75°	124
80°	127
85°	130

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 134 cd/sqm



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CATALOG NUMBER: PRLX-UNA-M-940-01L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	8.3
10°-20°	5.3	4.0
20°-30°	4.6	3.4
30°-40°	5.5	4.1
40°-50°	6.8	5.1
50°-60°	8.2	6.2
60°-70°	9.7	7.3
70°-80°	10.9	8.2
80°-90°	11.8	8.9
90°-100°	12.0	9.0
100°-110°	11.7	8.8
110°-120°	10.7	8.0
120°-130°	9.0	6.7
130°-140°	6.9	5.2
140°-150°	4.8	3.6
150°-160°	2.8	2.1
160°-170°	1.2	0.9
170°-180°	0.2	0.1
0°-30°	20.9	15.7
0°-40°	26.4	19.8
0°-60°	41.4	31.1
0°-90°	73.8	55.5
90°-120°	34.4	25.9
90°-150°	55.1	41.4
90°-180°	59.0	44.4
0°-180°	133.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	248	
5°	171	11
15°	17	5
25°	10	5
35°	9	5
45°	9	7
55°	9	8
65°	10	10
75°	10	11
85°	11	9
90°	11	6
95°	11	9
105°	11	12
115°	11	11
125°	10	9
135°	9	7
145°	8	5
155°	6	3
165°	4	1
175°	1	0
180°	0	

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CATALOG NUMBER: PRLX-UNA-M-940-01L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	248.1
2.5°	267.3
5°	170.9
7.5°	59.6
10°	41.3
12.5°	23.6
15°	16.6
17.5°	13.4
20°	11.5
22.5°	10.4
25°	9.9
27.5°	9.3
30°	9.0
32.5°	8.8
35°	8.8
37.5°	8.6
40°	8.6
42.5°	8.6
45°	8.8
47.5°	8.8
50°	9.0
52.5°	9.0
55°	9.2
57.5°	9.3
60°	9.5
62.5°	9.5
65°	9.7
67.5°	9.9
70°	10.1
72.5°	10.2
75°	10.4
77.5°	10.4
80°	10.6
82.5°	10.8
85°	10.8
87.5°	10.8
90°	10.9
92.5°	10.9
95°	11.1
97.5°	11.1
100°	11.1
102.5°	11.1
105°	11.1
107.5°	11.1
110°	10.9



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CATALOG NUMBER: PRLX-UNA-M-940-01L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.9
115°	10.8
117.5°	10.6
120°	10.4
122.5°	10.2
125°	10.1
127.5°	9.7
130°	9.5
132.5°	9.2
135°	9.0
137.5°	8.6
140°	8.3
142.5°	7.9
145°	7.6
147.5°	7.2
150°	6.9
152.5°	6.3
155°	6.0
157.5°	5.5
160°	5.1
162.5°	4.6
165°	4.1
167.5°	3.5
170°	3.0
172.5°	2.1
175°	1.2
177.5°	0.5
180°	0.2



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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	0.0	0.7	0.6	1.6	2.8	0.0	0.7	0.6	1.6	2.8
	3H	2.7	3.6	3.6	4.6	5.8	2.7	3.6	3.6	4.6	5.8
	4H	4.2	5.1	5.1	6.0	7.2	4.2	5.1	5.1	6.0	7.2
	6H	5.7	6.5	6.6	7.4	8.7	5.7	6.5	6.6	7.4	8.7
	8H	6.4	7.2	7.3	8.2	9.4	6.4	7.2	7.3	8.2	9.4
	12H	7.1	7.9	8.0	8.8	10.1	7.1	7.9	8.0	8.8	10.1
4H	2H	0.5	1.3	1.4	2.3	3.5	0.5	1.3	1.4	2.3	3.5
	3H	3.7	4.4	4.6	5.4	6.6	3.7	4.4	4.6	5.4	6.6
	4H	5.3	6.0	6.3	7.0	8.2	5.3	6.0	6.3	7.0	8.2
	6H	7.0	7.6	7.9	8.6	9.8	7.0	7.6	7.9	8.6	9.8
	8H	7.8	8.4	8.7	9.3	10.6	7.8	8.4	8.7	9.3	10.6
	12H	8.6	9.1	9.5	10.1	11.4	8.6	9.1	9.5	10.1	11.4
8H	4H	5.8	6.4	6.8	7.4	8.7	5.8	6.4	6.8	7.4	8.7
	6H	7.7	8.2	8.7	9.2	10.5	7.7	8.2	8.7	9.2	10.5
	8H	8.7	9.1	9.6	10.1	11.4	8.7	9.1	9.6	10.1	11.4
	12H	9.6	10.1	10.6	11.1	12.4	9.6	10.1	10.6	11.1	12.4
12H	4H	6.0	6.5	6.9	7.5	8.8	6.0	6.5	6.9	7.5	8.8
	6H	7.9	8.3	8.9	9.3	10.6	7.9	8.3	8.9	9.3	10.6
	8H	8.9	9.3	9.9	10.3	11.7	8.9	9.3	9.9	10.3	11.7

(END OF REPORT)