

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: P1245187

Luminaire Tested: PRLX-NIM-M-940-01L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245187
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-940-01L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, LAYERED FINE SHADE TEXTU
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

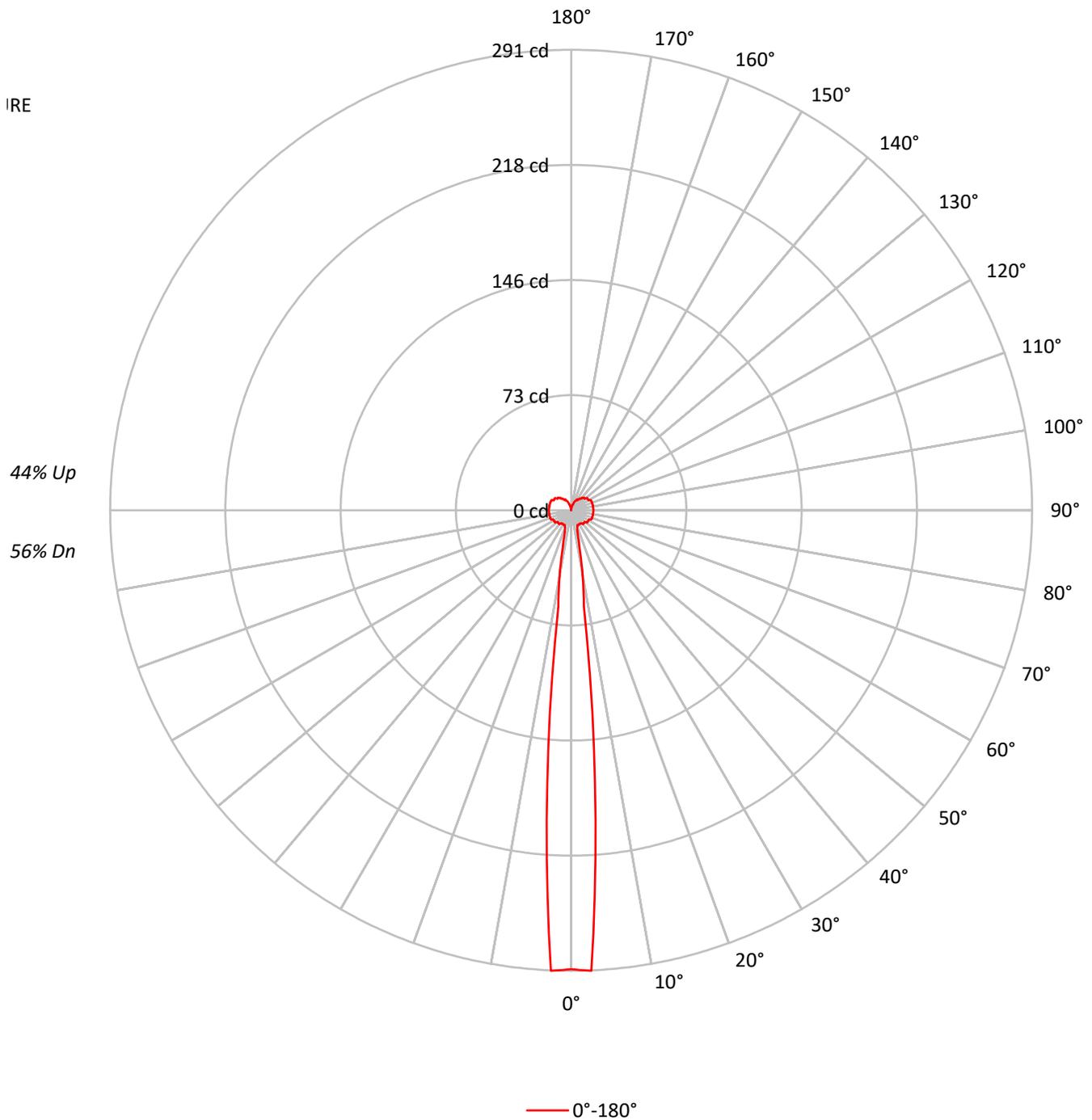
Lumens per Lamp: N/A
Luminaire Lumens: 165.0 lumens
Efficiency: N/A
Efficacy: 26.2 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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

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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°	14862
5°	6516
10°	1258
15°	413
20°	246
25°	195
30°	177
35°	162
40°	169
45°	159
50°	152
55°	163
60°	158
65°	170
70°	168
75°	167
80°	167
85°	169

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 172 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	7.0
10°-20°	5.3	3.2
20°-30°	4.8	2.9
30°-40°	6.5	3.9
40°-50°	8.8	5.4
50°-60°	11.3	6.8
60°-70°	13.4	8.1
70°-80°	14.8	9.0
80°-90°	15.3	9.3
90°-100°	15.3	9.3
100°-110°	14.8	9.0
110°-120°	13.7	8.3
120°-130°	11.3	6.8
130°-140°	8.5	5.2
140°-150°	5.4	3.3
150°-160°	3.1	1.9
160°-170°	1.0	0.6
170°-180°	0.1	0.1
0°-30°	21.6	13.1
0°-40°	28.1	17.0
0°-60°	48.2	29.2
0°-90°	91.7	55.6
90°-120°	43.8	26.6
90°-150°	69.0	41.8
90°-180°	73.0	44.3
0°-180°	165.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	290	
5°	173	12
15°	16	5
25°	10	5
35°	10	7
45°	11	9
55°	13	11
65°	14	13
75°	14	15
85°	14	11
90°	14	8
95°	14	11
105°	14	15
115°	14	14
125°	13	11
135°	11	8
145°	9	5
155°	6	3
165°	4	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	290.0
2.5°	291.3
5°	173.0
7.5°	61.1
10°	42.0
12.5°	24.2
15°	16.5
17.5°	12.7
20°	11.4
22.5°	10.2
25°	10.2
27.5°	10.2
30°	10.2
32.5°	10.2
35°	10.2
37.5°	10.2
40°	11.4
42.5°	11.4
45°	11.4
47.5°	11.4
50°	11.4
52.5°	12.7
55°	12.7
57.5°	12.7
60°	12.7
62.5°	12.7
65°	14.0
67.5°	14.0
70°	14.0
72.5°	14.0
75°	14.0
77.5°	14.0
80°	14.0
82.5°	14.0
85°	14.0
87.5°	14.0
90°	14.0
92.5°	14.0
95°	14.0
97.5°	14.0
100°	14.0
102.5°	14.0
105°	14.0
107.5°	14.0
110°	14.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	14.0
115°	14.0
117.5°	14.0
120°	12.7
122.5°	12.7
125°	12.7
127.5°	12.7
130°	11.4
132.5°	11.4
135°	11.4
137.5°	10.2
140°	10.2
142.5°	8.9
145°	8.9
147.5°	7.6
150°	7.6
152.5°	7.6
155°	6.4
157.5°	6.4
160°	5.1
162.5°	3.8
165°	3.8
167.5°	2.5
170°	2.5
172.5°	1.3
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	1.1	2.1	2.0	3.0	4.2	1.1	2.1	2.0	3.0	4.2
	3H	4.2	5.2	5.1	6.1	7.3	4.2	5.2	5.1	6.1	7.3
	4H	5.7	6.6	6.6	7.5	8.7	5.7	6.6	6.6	7.5	8.7
	6H	7.1	7.9	8.0	8.8	10.1	7.1	7.9	8.0	8.8	10.1
	8H	7.7	8.5	8.6	9.5	10.7	7.7	8.5	8.6	9.5	10.7
	12H	8.4	9.1	9.3	10.1	11.3	8.4	9.1	9.3	10.1	11.3
4H	2H	1.9	2.8	2.8	3.8	5.0	1.9	2.8	2.8	3.8	5.0
	3H	5.2	6.0	6.1	6.9	8.2	5.2	6.0	6.1	6.9	8.2
	4H	6.8	7.5	7.7	8.5	9.7	6.8	7.5	7.7	8.5	9.7
	6H	8.3	9.0	9.3	10.0	11.2	8.3	9.0	9.3	10.0	11.2
	8H	9.1	9.7	10.0	10.7	11.9	9.1	9.7	10.0	10.7	11.9
	12H	9.8	10.4	10.8	11.4	12.7	9.8	10.4	10.8	11.4	12.7
8H	4H	7.3	7.9	8.2	8.9	10.1	7.3	7.9	8.2	8.9	10.1
	6H	9.0	9.6	10.0	10.6	11.8	9.0	9.6	10.0	10.6	11.8
	8H	9.9	10.4	10.9	11.4	12.7	9.9	10.4	10.9	11.4	12.7
	12H	10.9	11.3	11.8	12.3	13.6	10.9	11.3	11.8	12.3	13.6
12H	4H	7.4	7.9	8.3	8.9	10.2	7.4	7.9	8.3	8.9	10.2
	6H	9.2	9.7	10.2	10.7	12.0	9.2	9.7	10.2	10.7	12.0
	8H	10.2	10.6	11.2	11.6	12.9	10.2	10.6	11.2	11.6	12.9

(END OF REPORT)