

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: P1245095

Luminaire Tested: PRLX-NIM-L-940-02L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-940-02L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

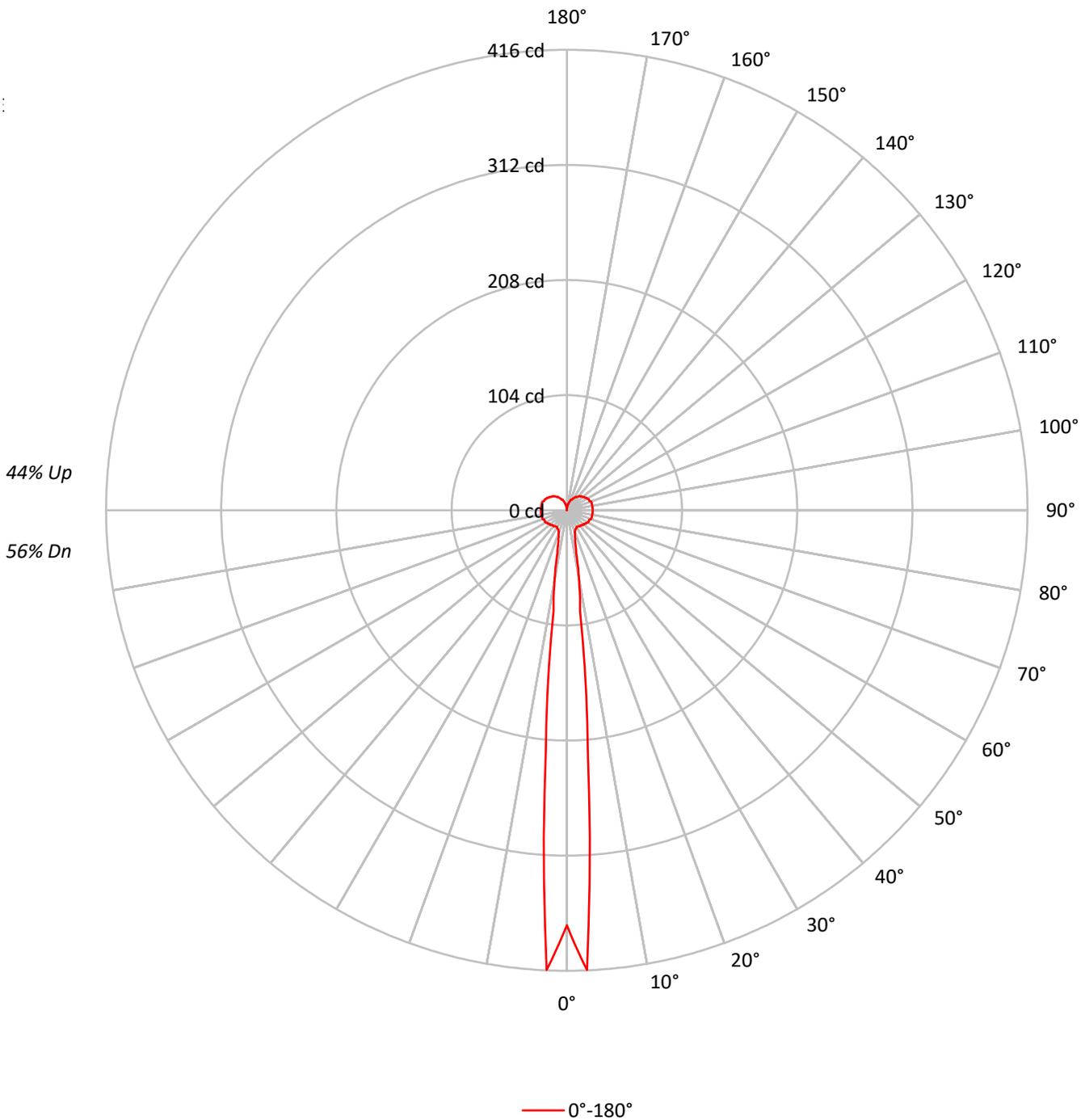
Lumens per Lamp: N/A
Luminaire Lumens: 271.0 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
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	87	82	77	73	70	66	62		58	55	53		48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49		49	45	42		40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40		43	38	34		35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34		38	33	29		31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30		34	29	25		28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26		31	26	22		26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23		29	24	20		24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21		27	22	18		23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19		25	20	17		21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18		24	19	16		20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11864
5°	5372
10°	1279
15°	507
20°	322
25°	256
30°	221
35°	205
40°	204
45°	194
50°	198
55°	203
60°	209
65°	206
70°	215
75°	215
80°	216
85°	219

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 224 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.9	5.9
10°-20°	9.0	3.3
20°-30°	8.8	3.2
30°-40°	11.3	4.2
40°-50°	14.8	5.5
50°-60°	18.6	6.9
60°-70°	22.1	8.2
70°-80°	24.6	9.1
80°-90°	25.4	9.4
90°-100°	25.4	9.4
100°-110°	24.6	9.1
110°-120°	22.0	8.1
120°-130°	18.1	6.7
130°-140°	13.8	5.1
140°-150°	9.3	3.4
150°-160°	5.1	1.9
160°-170°	2.1	0.8
170°-180°	0.3	0.1
0°-30°	33.7	12.4
0°-40°	45.0	16.6
0°-60°	78.3	28.9
0°-90°	150.5	55.5
90°-120°	72.0	26.6
90°-150°	113.1	41.7
90°-180°	121.0	44.6
0°-180°	271.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	375	
5°	218	16
15°	29	9
25°	19	9
35°	18	11
45°	19	15
55°	21	19
65°	22	22
75°	23	25
85°	23	19
90°	23	13
95°	23	19
105°	23	25
115°	22	22
125°	20	18
135°	18	14
145°	15	9
155°	10	5
165°	7	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	375.0
2.5°	415.7
5°	217.8
7.5°	92.0
10°	62.9
12.5°	39.6
15°	29.1
17.5°	24.5
20°	21.0
22.5°	19.8
25°	18.6
27.5°	18.6
30°	17.5
32.5°	17.5
35°	17.5
37.5°	18.6
40°	18.6
42.5°	18.6
45°	18.6
47.5°	19.8
50°	19.8
52.5°	19.8
55°	21.0
57.5°	21.0
60°	22.1
62.5°	22.1
65°	22.1
67.5°	22.1
70°	23.3
72.5°	23.3
75°	23.3
77.5°	23.3
80°	23.3
82.5°	23.3
85°	23.3
87.5°	23.3
90°	23.3
92.5°	23.3
95°	23.3
97.5°	23.3
100°	23.3
102.5°	23.3
105°	23.3
107.5°	23.3
110°	23.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	22.1
115°	22.1
117.5°	22.1
120°	21.0
122.5°	21.0
125°	19.8
127.5°	19.8
130°	18.6
132.5°	18.6
135°	17.5
137.5°	17.5
140°	16.3
142.5°	15.1
145°	15.1
147.5°	14.0
150°	12.8
152.5°	11.6
155°	10.5
157.5°	10.5
160°	9.3
162.5°	8.2
165°	7.0
167.5°	5.8
170°	4.7
172.5°	3.5
175°	1.2
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	1.9	3.0	2.8	3.9	5.1	1.9	3.0	2.8	3.9	5.1
	3H	5.0	5.9	5.9	6.9	8.1	5.0	5.9	5.9	6.9	8.1
	4H	6.5	7.4	7.4	8.3	9.5	6.5	7.4	7.4	8.3	9.5
	6H	7.9	8.8	8.8	9.7	10.9	7.9	8.8	8.8	9.7	10.9
	8H	8.6	9.4	9.5	10.4	11.6	8.6	9.4	9.5	10.4	11.6
	12H	9.3	10.0	10.2	11.0	12.2	9.3	10.0	10.2	11.0	12.2
4H	2H	2.7	3.6	3.6	4.6	5.8	2.7	3.6	3.6	4.6	5.8
	3H	6.0	6.8	6.9	7.7	8.9	6.0	6.8	6.9	7.7	8.9
	4H	7.6	8.3	8.5	9.3	10.5	7.6	8.3	8.5	9.3	10.5
	6H	9.2	9.8	10.1	10.8	12.1	9.2	9.8	10.1	10.8	12.1
	8H	10.0	10.6	10.9	11.6	12.8	10.0	10.6	10.9	11.6	12.8
	12H	10.7	11.3	11.7	12.3	13.6	10.7	11.3	11.7	12.3	13.6
8H	4H	8.1	8.7	9.1	9.7	11.0	8.1	8.7	9.1	9.7	11.0
	6H	9.9	10.4	10.9	11.5	12.7	9.9	10.4	10.9	11.5	12.7
	8H	10.8	11.3	11.8	12.3	13.6	10.8	11.3	11.8	12.3	13.6
	12H	11.8	12.2	12.7	13.2	14.5	11.8	12.2	12.7	13.2	14.5
12H	4H	8.2	8.8	9.2	9.8	11.1	8.2	8.8	9.2	9.8	11.1
	6H	10.1	10.6	11.1	11.6	12.9	10.1	10.6	11.1	11.6	12.9
	8H	11.1	11.5	12.1	12.5	13.8	11.1	11.5	12.1	12.5	13.8

(END OF REPORT)