

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: P1245079

Luminaire Tested: PRLX-NIM-L-935-16L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245079
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-935-16L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

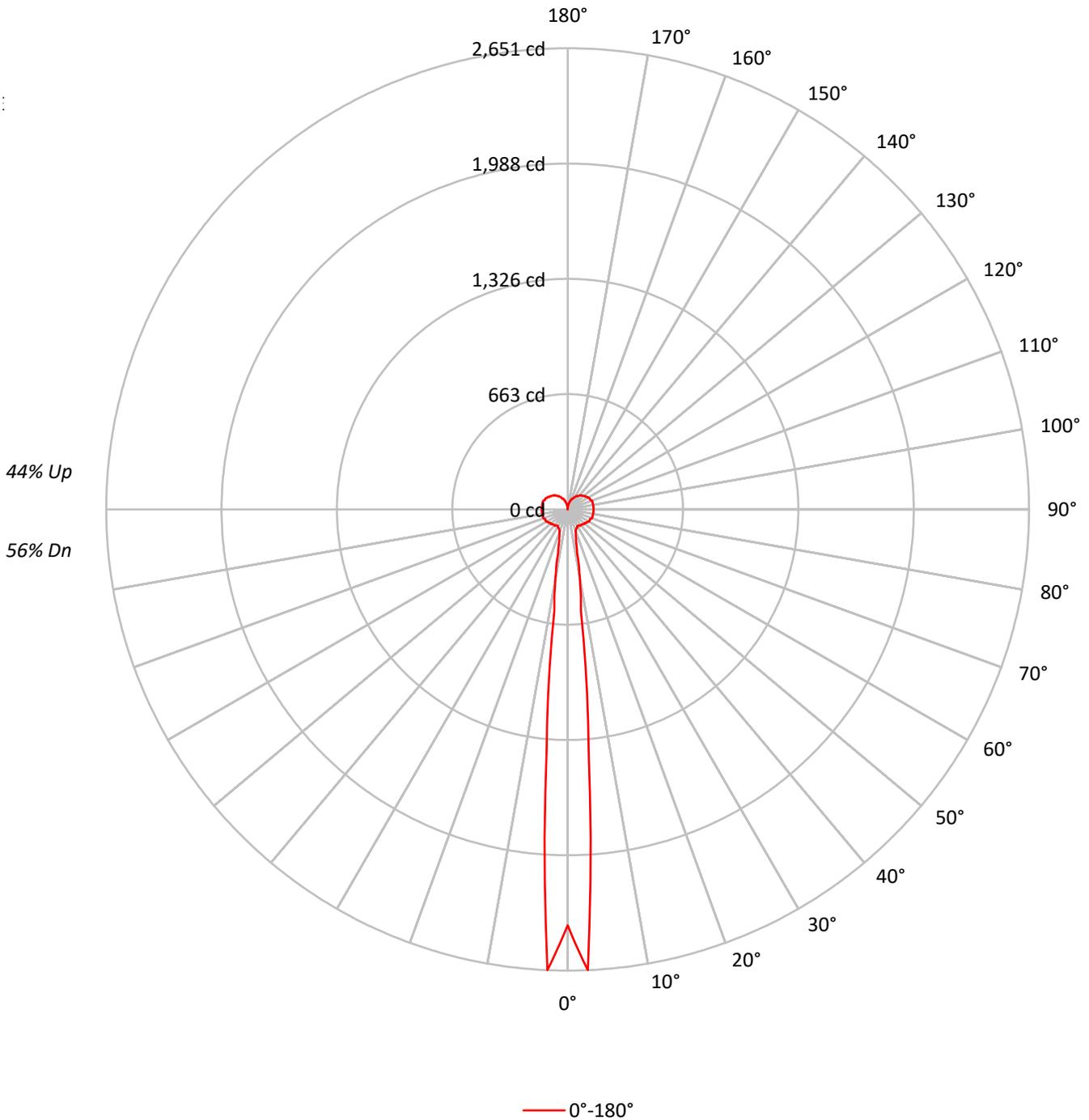
Lumens per Lamp: N/A
Luminaire Lumens: 1728.0 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
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	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°	75643
5°	34251
10°	8156
15°	3233
20°	2050
25°	1638
30°	1405
35°	1303
40°	1306
45°	1240
50°	1263
55°	1295
60°	1334
65°	1313
70°	1370
75°	1369
80°	1378
85°	1398

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1430 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	5.9
10°-20°	57.6	3.3
20°-30°	56.0	3.2
30°-40°	71.9	4.2
40°-50°	94.3	5.5
50°-60°	118.4	6.9
60°-70°	141.0	8.2
70°-80°	157.1	9.1
80°-90°	162.0	9.4
90°-100°	162.0	9.4
100°-110°	157.1	9.1
110°-120°	140.1	8.1
120°-130°	115.0	6.7
130°-140°	87.9	5.1
140°-150°	59.1	3.4
150°-160°	32.5	1.9
160°-170°	13.1	0.8
170°-180°	1.6	0.1
0°-30°	215.0	12.4
0°-40°	286.8	16.6
0°-60°	499.5	28.9
0°-90°	959.6	55.5
90°-120°	459.2	26.6
90°-150°	721.3	41.7
90°-180°	768.0	44.4
0°-180°	1728.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2391	
5°	1389	101
15°	186	58
25°	119	56
35°	111	72
45°	119	94
55°	134	118
65°	141	141
75°	148	157
85°	148	121
90°	148	81
95°	148	121
105°	148	157
115°	141	140
125°	126	115
135°	111	88
145°	96	59
155°	67	32
165°	45	13
175°	7	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2391.0
2.5°	2650.9
5°	1388.6
7.5°	586.6
10°	401.0
12.5°	252.5
15°	185.6
17.5°	155.9
20°	133.7
22.5°	126.2
25°	118.8
27.5°	118.8
30°	111.4
32.5°	111.4
35°	111.4
37.5°	118.8
40°	118.8
42.5°	118.8
45°	118.8
47.5°	126.2
50°	126.2
52.5°	126.2
55°	133.7
57.5°	133.7
60°	141.1
62.5°	141.1
65°	141.1
67.5°	141.1
70°	148.5
72.5°	148.5
75°	148.5
77.5°	148.5
80°	148.5
82.5°	148.5
85°	148.5
87.5°	148.5
90°	148.5
92.5°	148.5
95°	148.5
97.5°	148.5
100°	148.5
102.5°	148.5
105°	148.5
107.5°	148.5
110°	148.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	141.1
115°	141.1
117.5°	141.1
120°	133.7
122.5°	133.7
125°	126.2
127.5°	126.2
130°	118.8
132.5°	118.8
135°	111.4
137.5°	111.4
140°	104.0
142.5°	96.5
145°	96.5
147.5°	89.1
150°	81.7
152.5°	74.3
155°	66.8
157.5°	66.8
160°	59.4
162.5°	52.0
165°	44.6
167.5°	37.1
170°	29.7
172.5°	22.3
175°	7.4
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	8.4	9.4	9.2	10.3	11.5	8.4	9.4	9.2	10.3	11.5
	3H	11.4	12.4	12.3	13.3	14.5	11.4	12.4	12.3	13.3	14.5
	4H	12.9	13.8	13.8	14.7	16.0	12.9	13.8	13.8	14.7	16.0
	6H	14.3	15.2	15.3	16.1	17.4	14.3	15.2	15.3	16.1	17.4
	8H	15.0	15.8	15.9	16.8	18.0	15.0	15.8	15.9	16.8	18.0
	12H	15.7	16.5	16.6	17.4	18.7	15.7	16.5	16.6	17.4	18.7
4H	2H	9.1	10.0	10.1	11.0	12.2	9.1	10.0	10.1	11.0	12.2
	3H	12.4	13.2	13.3	14.2	15.4	12.4	13.2	13.3	14.2	15.4
	4H	14.0	14.8	15.0	15.7	17.0	14.0	14.8	15.0	15.7	17.0
	6H	15.6	16.3	16.6	17.3	18.5	15.6	16.3	16.6	17.3	18.5
	8H	16.4	17.0	17.3	18.0	19.3	16.4	17.0	17.3	18.0	19.3
	12H	17.2	17.7	18.1	18.7	20.0	17.2	17.7	18.1	18.7	20.0
8H	4H	14.6	15.2	15.5	16.1	17.4	14.6	15.2	15.5	16.1	17.4
	6H	16.3	16.9	17.3	17.9	19.2	16.3	16.9	17.3	17.9	19.2
	8H	17.3	17.7	18.2	18.7	20.0	17.3	17.7	18.2	18.7	20.0
	12H	18.2	18.6	19.2	19.6	20.9	18.2	18.6	19.2	19.6	20.9
12H	4H	14.7	15.2	15.6	16.2	17.5	14.7	15.2	15.6	16.2	17.5
	6H	16.5	17.0	17.5	18.0	19.3	16.5	17.0	17.5	18.0	19.3
	8H	17.5	18.0	18.5	19.0	20.3	17.5	18.0	18.5	19.0	20.3

(END OF REPORT)