

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: P1245016

Luminaire Tested: PRLX-NIM-L-927-16L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245016
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-927-16L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

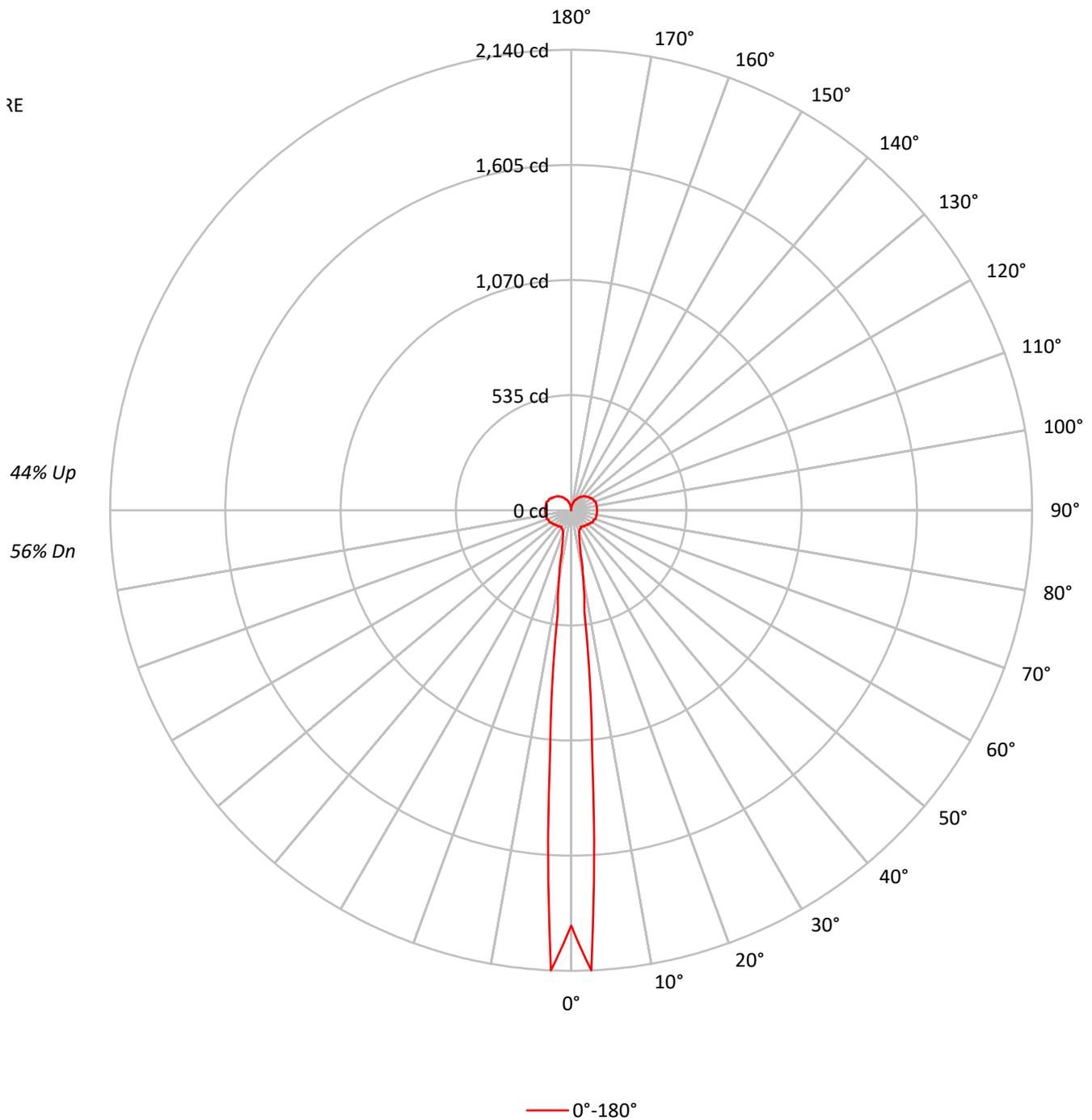
Lumens per Lamp: N/A
Luminaire Lumens: 1395.0 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
Input Voltage (V): NR
Input Current (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°	61064
5°	27651
10°	6584
15°	2611
20°	1654
25°	1322
30°	1134
35°	1052
40°	1054
45°	1001
50°	1020
55°	1045
60°	1077
65°	1060
70°	1106
75°	1105
80°	1112
85°	1129

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1154 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	5.9
10°-20°	46.5	3.3
20°-30°	45.2	3.2
30°-40°	58.0	4.2
40°-50°	76.1	5.5
50°-60°	95.6	6.9
60°-70°	113.8	8.2
70°-80°	126.8	9.1
80°-90°	130.8	9.4
90°-100°	130.8	9.4
100°-110°	126.8	9.1
110°-120°	113.1	8.1
120°-130°	92.9	6.7
130°-140°	70.9	5.1
140°-150°	47.7	3.4
150°-160°	26.2	1.9
160°-170°	10.6	0.8
170°-180°	1.3	0.1
0°-30°	173.5	12.4
0°-40°	231.5	16.6
0°-60°	403.2	28.9
0°-90°	774.7	55.5
90°-120°	370.8	26.6
90°-150°	582.3	41.7
90°-180°	620.0	44.4
0°-180°	1395.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1930	
5°	1121	82
15°	150	47
25°	96	45
35°	90	58
45°	96	76
55°	108	96
65°	114	114
75°	120	127
85°	120	98
90°	120	66
95°	120	98
105°	120	127
115°	114	113
125°	102	93
135°	90	71
145°	78	48
155°	54	26
165°	36	11
175°	6	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1930.2
2.5°	2140.0
5°	1121.0
7.5°	473.6
10°	323.7
12.5°	203.8
15°	149.9
17.5°	125.9
20°	107.9
22.5°	101.9
25°	95.9
27.5°	95.9
30°	89.9
32.5°	89.9
35°	89.9
37.5°	95.9
40°	95.9
42.5°	95.9
45°	95.9
47.5°	101.9
50°	101.9
52.5°	101.9
55°	107.9
57.5°	107.9
60°	113.9
62.5°	113.9
65°	113.9
67.5°	113.9
70°	119.9
72.5°	119.9
75°	119.9
77.5°	119.9
80°	119.9
82.5°	119.9
85°	119.9
87.5°	119.9
90°	119.9
92.5°	119.9
95°	119.9
97.5°	119.9
100°	119.9
102.5°	119.9
105°	119.9
107.5°	119.9
110°	119.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	113.9
115°	113.9
117.5°	113.9
120°	107.9
122.5°	107.9
125°	101.9
127.5°	101.9
130°	95.9
132.5°	95.9
135°	89.9
137.5°	89.9
140°	83.9
142.5°	77.9
145°	77.9
147.5°	71.9
150°	65.9
152.5°	59.9
155°	54.0
157.5°	54.0
160°	48.0
162.5°	42.0
165°	36.0
167.5°	30.0
170°	24.0
172.5°	18.0
175°	6.0
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	7.6	8.6	8.5	9.6	10.7	7.6	8.6	8.5	9.6	10.7
	3H	10.7	11.6	11.6	12.5	13.8	10.7	11.6	11.6	12.5	13.8
	4H	12.2	13.1	13.1	14.0	15.2	12.2	13.1	13.1	14.0	15.2
	6H	13.6	14.4	14.5	15.4	16.6	13.6	14.4	14.5	15.4	16.6
	8H	14.3	15.1	15.2	16.1	17.3	14.3	15.1	15.2	16.1	17.3
	12H	14.9	15.7	15.9	16.7	17.9	14.9	15.7	15.9	16.7	17.9
4H	2H	8.4	9.3	9.3	10.2	11.5	8.4	9.3	9.3	10.2	11.5
	3H	11.7	12.5	12.6	13.4	14.6	11.7	12.5	12.6	13.4	14.6
	4H	13.3	14.0	14.2	15.0	16.2	13.3	14.0	14.2	15.0	16.2
	6H	14.9	15.5	15.8	16.5	17.8	14.9	15.5	15.8	16.5	17.8
	8H	15.7	16.3	16.6	17.2	18.5	15.7	16.3	16.6	17.2	18.5
	12H	16.4	17.0	17.4	18.0	19.2	16.4	17.0	17.4	18.0	19.2
8H	4H	13.8	14.4	14.8	15.4	16.7	13.8	14.4	14.8	15.4	16.7
	6H	15.6	16.1	16.6	17.1	18.4	15.6	16.1	16.6	17.1	18.4
	8H	16.5	17.0	17.5	18.0	19.3	16.5	17.0	17.5	18.0	19.3
	12H	17.5	17.9	18.4	18.9	20.2	17.5	17.9	18.4	18.9	20.2
12H	4H	13.9	14.5	14.9	15.5	16.7	13.9	14.5	14.9	15.5	16.7
	6H	15.8	16.3	16.8	17.3	18.6	15.8	16.3	16.8	17.3	18.6
	8H	16.8	17.2	17.8	18.2	19.5	16.8	17.2	17.8	18.2	19.5

(END OF REPORT)