

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: P1245060

Luminaire Tested: PRLX-NIM-L-930-27L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245060
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-930-27L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

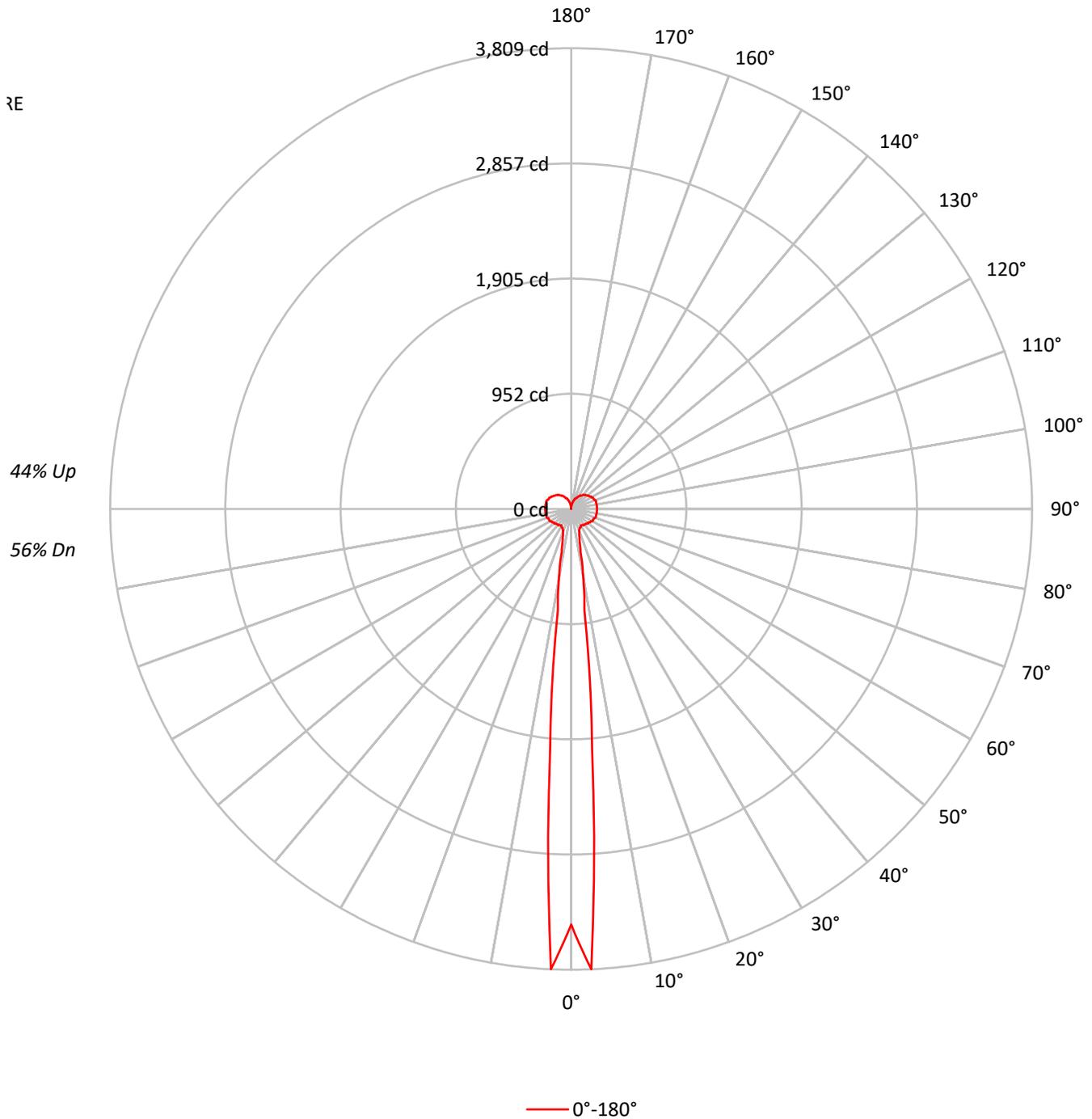
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2483.0 lumens
Efficiency: N/A
Efficacy: 35.8 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): 69.4
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°	108693
5°	49214
10°	11720
15°	4645
20°	2945
25°	2353
30°	2017
35°	1872
40°	1876
45°	1782
50°	1816
55°	1861
60°	1917
65°	1886
70°	1968
75°	1967
80°	1980
85°	2009

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2055 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.6	5.9
10°-20°	82.8	3.3
20°-30°	80.5	3.2
30°-40°	103.2	4.2
40°-50°	135.5	5.5
50°-60°	170.1	6.9
60°-70°	202.6	8.2
70°-80°	225.8	9.1
80°-90°	232.8	9.4
90°-100°	232.8	9.4
100°-110°	225.8	9.1
110°-120°	201.3	8.1
120°-130°	165.3	6.7
130°-140°	126.2	5.1
140°-150°	85.0	3.4
150°-160°	46.7	1.9
160°-170°	18.8	0.8
170°-180°	2.3	0.1
0°-30°	308.9	12.4
0°-40°	412.1	16.6
0°-60°	717.7	28.9
0°-90°	1378.9	55.5
90°-120°	659.9	26.6
90°-150°	1036.4	41.7
90°-180°	1104.0	44.5
0°-180°	2483.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3436	
5°	1995	146
15°	267	83
25°	171	80
35°	160	103
45°	171	135
55°	192	170
65°	203	203
75°	213	226
85°	213	174
90°	213	117
95°	213	174
105°	213	226
115°	203	201
125°	181	165
135°	160	126
145°	139	85
155°	96	47
165°	64	19
175°	11	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3435.7
2.5°	3809.1
5°	1995.2
7.5°	842.9
10°	576.2
12.5°	362.8
15°	266.7
17.5°	224.1
20°	192.1
22.5°	181.4
25°	170.7
27.5°	170.7
30°	160.0
32.5°	160.0
35°	160.0
37.5°	170.7
40°	170.7
42.5°	170.7
45°	170.7
47.5°	181.4
50°	181.4
52.5°	181.4
55°	192.1
57.5°	192.1
60°	202.7
62.5°	202.7
65°	202.7
67.5°	202.7
70°	213.4
72.5°	213.4
75°	213.4
77.5°	213.4
80°	213.4
82.5°	213.4
85°	213.4
87.5°	213.4
90°	213.4
92.5°	213.4
95°	213.4
97.5°	213.4
100°	213.4
102.5°	213.4
105°	213.4
107.5°	213.4
110°	213.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	202.7
115°	202.7
117.5°	202.7
120°	192.1
122.5°	192.1
125°	181.4
127.5°	181.4
130°	170.7
132.5°	170.7
135°	160.0
137.5°	160.0
140°	149.4
142.5°	138.7
145°	138.7
147.5°	128.0
150°	117.4
152.5°	106.7
155°	96.0
157.5°	96.0
160°	85.4
162.5°	74.7
165°	64.0
167.5°	53.3
170°	42.7
172.5°	32.0
175°	10.7
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	9.6	10.6	10.5	11.6	12.7	9.6	10.6	10.5	11.6	12.7
	3H	12.7	13.6	13.6	14.6	15.8	12.7	13.6	13.6	14.6	15.8
	4H	14.2	15.1	15.1	16.0	17.2	14.2	15.1	15.1	16.0	17.2
	6H	15.6	16.5	16.5	17.4	18.6	15.6	16.5	16.5	17.4	18.6
	8H	16.3	17.1	17.2	18.1	19.3	16.3	17.1	17.2	18.1	19.3
	12H	16.9	17.7	17.9	18.7	19.9	16.9	17.7	17.9	18.7	19.9
4H	2H	10.4	11.3	11.3	12.2	13.5	10.4	11.3	11.3	12.2	13.5
	3H	13.7	14.5	14.6	15.4	16.6	13.7	14.5	14.6	15.4	16.6
	4H	15.3	16.0	16.2	17.0	18.2	15.3	16.0	16.2	17.0	18.2
	6H	16.9	17.5	17.8	18.5	19.8	16.9	17.5	17.8	18.5	19.8
	8H	17.7	18.3	18.6	19.2	20.5	17.7	18.3	18.6	19.2	20.5
	12H	18.4	19.0	19.4	20.0	21.2	18.4	19.0	19.4	20.0	21.2
8H	4H	15.8	16.4	16.8	17.4	18.7	15.8	16.4	16.8	17.4	18.7
	6H	17.6	18.1	18.6	19.2	20.4	17.6	18.1	18.6	19.2	20.4
	8H	18.5	19.0	19.5	20.0	21.3	18.5	19.0	19.5	20.0	21.3
	12H	19.5	19.9	20.4	20.9	22.2	19.5	19.9	20.4	20.9	22.2
12H	4H	15.9	16.5	16.9	17.5	18.8	15.9	16.5	16.9	17.5	18.8
	6H	17.8	18.3	18.8	19.3	20.6	17.8	18.3	18.8	19.3	20.6
	8H	18.8	19.2	19.8	20.2	21.5	18.8	19.2	19.8	20.2	21.5

(END OF REPORT)