

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: P1245356

Luminaire Tested: PRLX-UNA-L-935-27L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-935-27L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

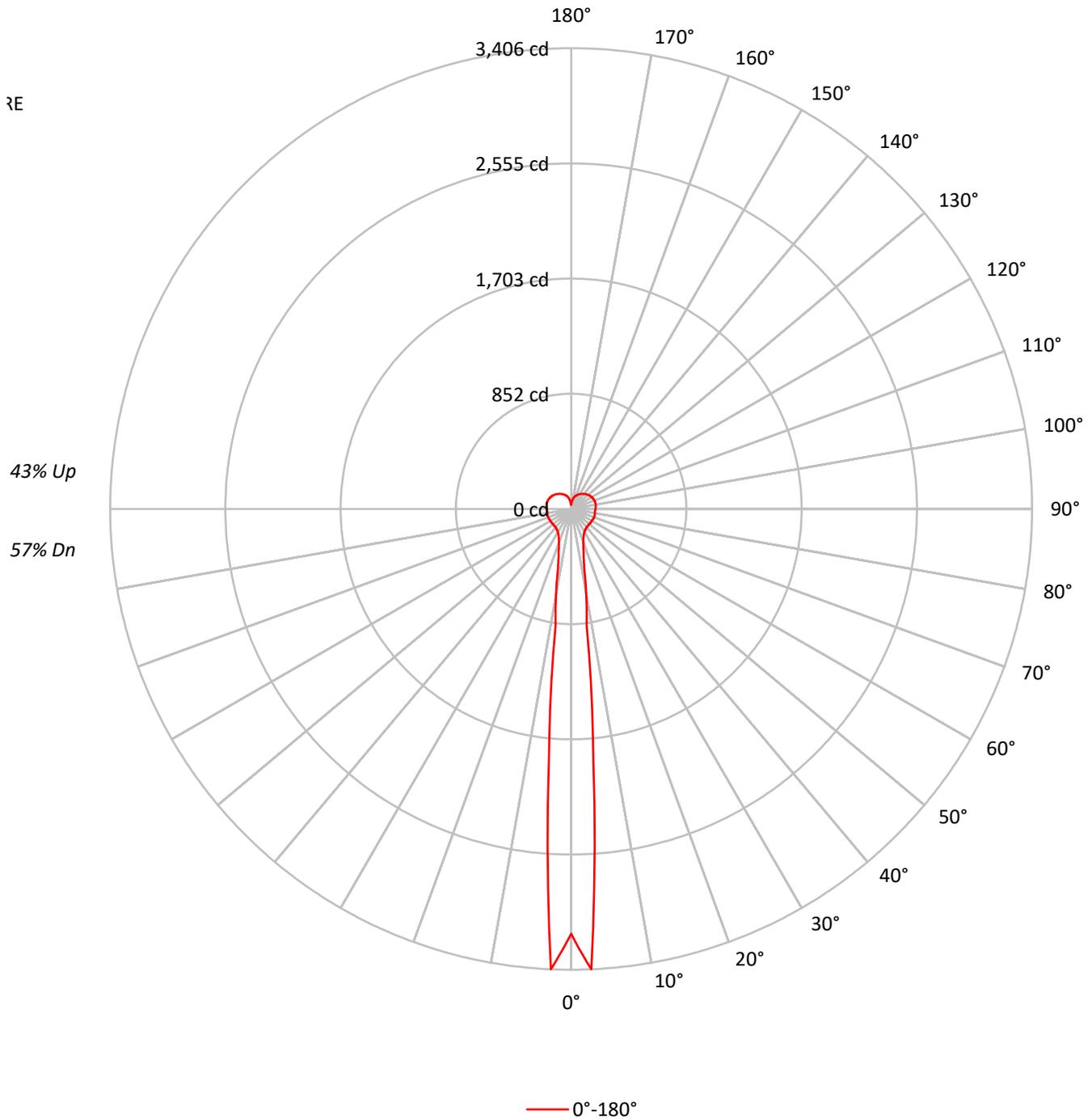
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2333.9 lumens
Efficiency: N/A
Efficacy: 33.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
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 (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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	57
1	96	90	85	80	88	83	79	75	71	68	64		60	57	55		49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51		51	47	44		42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43		45	40	37		37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37		40	35	31		33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32		36	31	28		30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28		33	28	25		28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25		31	26	22		26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23		29	24	20		24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21		27	22	19		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	21	17		22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	99310
5°	46545
10°	13084
15°	6148
20°	4050
25°	3009
30°	2475
35°	2162
40°	1951
45°	1831
50°	1746
55°	1699
60°	1669
65°	1661
70°	1657
75°	1665
80°	1647
85°	1671

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1831 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.9	6.0
10°-20°	104.9	4.5
20°-30°	102.3	4.4
30°-40°	116.4	5.0
40°-50°	135.9	5.8
50°-60°	157.6	6.8
60°-70°	177.1	7.6
70°-80°	190.3	8.2
80°-90°	194.3	8.3
90°-100°	199.2	8.5
100°-110°	195.0	8.4
110°-120°	178.2	7.6
120°-130°	151.9	6.5
130°-140°	119.8	5.1
140°-150°	85.7	3.7
150°-160°	53.9	2.3
160°-170°	26.2	1.1
170°-180°	5.4	0.2
0°-30°	347.1	14.9
0°-40°	463.5	19.9
0°-60°	757.0	32.4
0°-90°	1318.7	56.5
90°-120°	572.4	24.5
90°-150°	929.7	39.8
90°-180°	1015.0	43.5
0°-180°	2333.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3139	
5°	1887	140
15°	353	105
25°	218	102
35°	185	116
45°	175	136
55°	175	158
65°	179	177
75°	181	190
85°	178	145
90°	180	99
95°	183	150
105°	185	195
115°	180	178
125°	169	152
135°	155	120
145°	136	86
155°	116	54
165°	92	26
175°	48	5
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3139.1
2.5°	3406.4
5°	1887.0
7.5°	875.1
10°	643.3
12.5°	442.8
15°	353.0
17.5°	300.8
20°	264.2
22.5°	237.1
25°	218.3
27.5°	205.7
30°	196.3
32.5°	190.1
35°	184.8
37.5°	180.7
40°	177.5
42.5°	176.5
45°	175.4
47.5°	174.4
50°	174.4
52.5°	175.4
55°	175.4
57.5°	176.5
60°	176.5
62.5°	177.5
65°	178.6
67.5°	179.6
70°	179.6
72.5°	180.7
75°	180.7
77.5°	179.6
80°	177.5
82.5°	177.5
85°	177.5
87.5°	178.6
90°	179.6
92.5°	181.7
95°	182.7
97.5°	183.8
100°	184.8
102.5°	184.8
105°	184.8
107.5°	183.8
110°	182.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	181.7
115°	179.6
117.5°	177.5
120°	175.4
122.5°	172.3
125°	169.2
127.5°	166.0
130°	162.9
132.5°	158.7
135°	154.6
137.5°	150.4
140°	145.2
142.5°	141.0
145°	135.8
147.5°	131.6
150°	126.4
152.5°	121.1
155°	115.9
157.5°	110.7
160°	104.4
162.5°	99.2
165°	91.9
167.5°	83.5
170°	73.1
172.5°	61.6
175°	48.0
177.5°	35.5
180°	31.3



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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	9.3	10.3	10.1	11.2	12.4	9.3	10.3	10.1	11.2	12.4
	3H	12.1	13.0	13.0	14.0	15.1	12.1	13.0	13.0	14.0	15.1
	4H	13.5	14.4	14.4	15.3	16.5	13.5	14.4	14.4	15.3	16.5
	6H	14.8	15.7	15.7	16.6	17.8	14.8	15.7	15.7	16.6	17.8
	8H	15.5	16.3	16.4	17.2	18.4	15.5	16.3	16.4	17.2	18.4
	12H	16.1	16.8	17.0	17.8	19.0	16.1	16.8	17.0	17.8	19.0
4H	2H	10.0	10.9	10.9	11.8	13.0	10.0	10.9	10.9	11.8	13.0
	3H	13.0	13.8	13.9	14.7	16.0	13.0	13.8	13.9	14.7	16.0
	4H	14.6	15.3	15.5	16.2	17.5	14.6	15.3	15.5	16.2	17.5
	6H	16.1	16.7	17.0	17.7	18.9	16.1	16.7	17.0	17.7	18.9
	8H	16.8	17.4	17.7	18.4	19.6	16.8	17.4	17.7	18.4	19.6
	12H	17.5	18.1	18.5	19.1	20.3	17.5	18.1	18.5	19.1	20.3
8H	4H	15.0	15.6	16.0	16.6	17.9	15.0	15.6	16.0	16.6	17.9
	6H	16.7	17.3	17.7	18.3	19.5	16.7	17.3	17.7	18.3	19.5
	8H	17.6	18.1	18.6	19.1	20.4	17.6	18.1	18.6	19.1	20.4
	12H	18.5	19.0	19.5	19.9	21.3	18.5	19.0	19.5	19.9	21.3
12H	4H	15.1	15.7	16.1	16.7	17.9	15.1	15.7	16.1	16.7	17.9
	6H	16.9	17.4	17.9	18.4	19.7	16.9	17.4	17.9	18.4	19.7
	8H	17.9	18.3	18.9	19.3	20.6	17.9	18.3	18.9	19.3	20.6

(END OF REPORT)