

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: P1245080

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245080
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-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

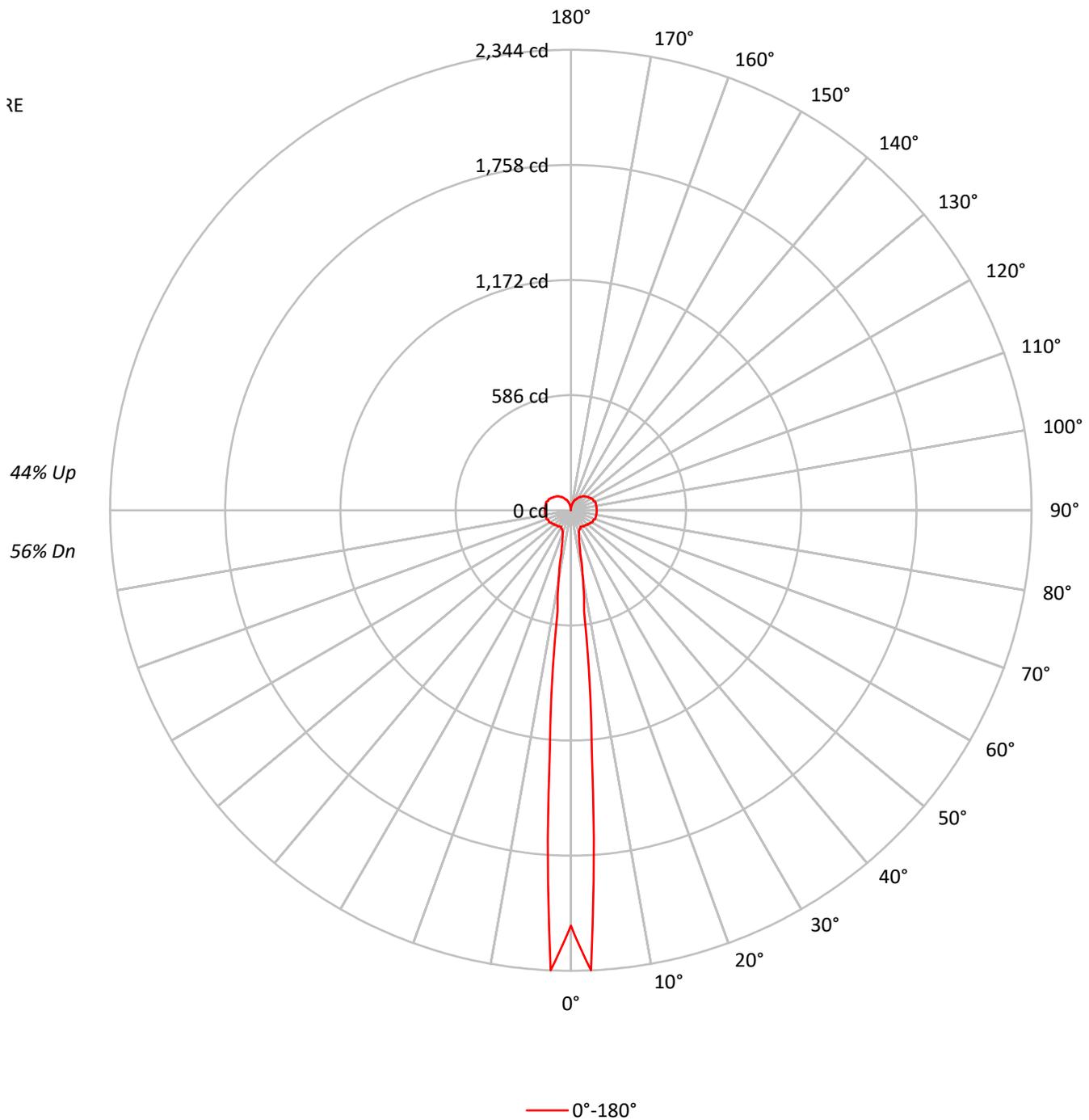
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1528.1 lumens
Efficiency: N/A
Efficacy: 39.4 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): 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°	66889
5°	30285
10°	7212
15°	2858
20°	1812
25°	1449
30°	1242
35°	1152
40°	1155
45°	1097
50°	1117
55°	1145
60°	1180
65°	1161
70°	1211
75°	1210
80°	1218
85°	1236

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1264 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	5.9
10°-20°	50.9	3.3
20°-30°	49.5	3.2
30°-40°	63.5	4.2
40°-50°	83.4	5.5
50°-60°	104.7	6.9
60°-70°	124.7	8.2
70°-80°	138.9	9.1
80°-90°	143.3	9.4
90°-100°	143.3	9.4
100°-110°	138.9	9.1
110°-120°	123.9	8.1
120°-130°	101.7	6.7
130°-140°	77.7	5.1
140°-150°	52.3	3.4
150°-160°	28.7	1.9
160°-170°	11.5	0.8
170°-180°	1.4	0.1
0°-30°	190.1	12.4
0°-40°	253.6	16.6
0°-60°	441.7	28.9
0°-90°	848.6	55.5
90°-120°	406.1	26.6
90°-150°	637.8	41.7
90°-180°	679.0	44.4
0°-180°	1528.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2114	
5°	1228	90
15°	164	51
25°	105	50
35°	98	64
45°	105	83
55°	118	105
65°	125	125
75°	131	139
85°	131	107
90°	131	72
95°	131	107
105°	131	139
115°	125	124
125°	112	102
135°	98	78
145°	85	52
155°	59	29
165°	39	12
175°	7	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2114.3
2.5°	2344.1
5°	1227.8
7.5°	518.7
10°	354.6
12.5°	223.2
15°	164.1
17.5°	137.9
20°	118.2
22.5°	111.6
25°	105.1
27.5°	105.1
30°	98.5
32.5°	98.5
35°	98.5
37.5°	105.1
40°	105.1
42.5°	105.1
45°	105.1
47.5°	111.6
50°	111.6
52.5°	111.6
55°	118.2
57.5°	118.2
60°	124.8
62.5°	124.8
65°	124.8
67.5°	124.8
70°	131.3
72.5°	131.3
75°	131.3
77.5°	131.3
80°	131.3
82.5°	131.3
85°	131.3
87.5°	131.3
90°	131.3
92.5°	131.3
95°	131.3
97.5°	131.3
100°	131.3
102.5°	131.3
105°	131.3
107.5°	131.3
110°	131.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	124.8
115°	124.8
117.5°	124.8
120°	118.2
122.5°	118.2
125°	111.6
127.5°	111.6
130°	105.1
132.5°	105.1
135°	98.5
137.5°	98.5
140°	91.9
142.5°	85.4
145°	85.4
147.5°	78.8
150°	72.2
152.5°	65.7
155°	59.1
157.5°	59.1
160°	52.5
162.5°	46.0
165°	39.4
167.5°	32.8
170°	26.3
172.5°	19.7
175°	6.6
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	7.9	9.0	8.8	9.9	11.1	7.9	9.0	8.8	9.9	11.1
	3H	11.0	11.9	11.9	12.9	14.1	11.0	11.9	11.9	12.9	14.1
	4H	12.5	13.4	13.4	14.3	15.5	12.5	13.4	13.4	14.3	15.5
	6H	13.9	14.8	14.8	15.7	16.9	13.9	14.8	14.8	15.7	16.9
	8H	14.6	15.4	15.5	16.4	17.6	14.6	15.4	15.5	16.4	17.6
	12H	15.3	16.0	16.2	17.0	18.2	15.3	16.0	16.2	17.0	18.2
4H	2H	8.7	9.6	9.6	10.6	11.8	8.7	9.6	9.6	10.6	11.8
	3H	12.0	12.8	12.9	13.7	15.0	12.0	12.8	12.9	13.7	15.0
	4H	13.6	14.3	14.5	15.3	16.5	13.6	14.3	14.5	15.3	16.5
	6H	15.2	15.9	16.1	16.8	18.1	15.2	15.9	16.1	16.8	18.1
	8H	16.0	16.6	16.9	17.6	18.8	16.0	16.6	16.9	17.6	18.8
	12H	16.7	17.3	17.7	18.3	19.6	16.7	17.3	17.7	18.3	19.6
8H	4H	14.1	14.7	15.1	15.7	17.0	14.1	14.7	15.1	15.7	17.0
	6H	15.9	16.5	16.9	17.5	18.7	15.9	16.5	16.9	17.5	18.7
	8H	16.8	17.3	17.8	18.3	19.6	16.8	17.3	17.8	18.3	19.6
	12H	17.8	18.2	18.8	19.2	20.5	17.8	18.2	18.8	19.2	20.5
12H	4H	14.2	14.8	15.2	15.8	17.1	14.2	14.8	15.2	15.8	17.1
	6H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9
	8H	17.1	17.5	18.1	18.5	19.8	17.1	17.5	18.1	18.5	19.8

(END OF REPORT)