

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: P1245347

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245347
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-935-16L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

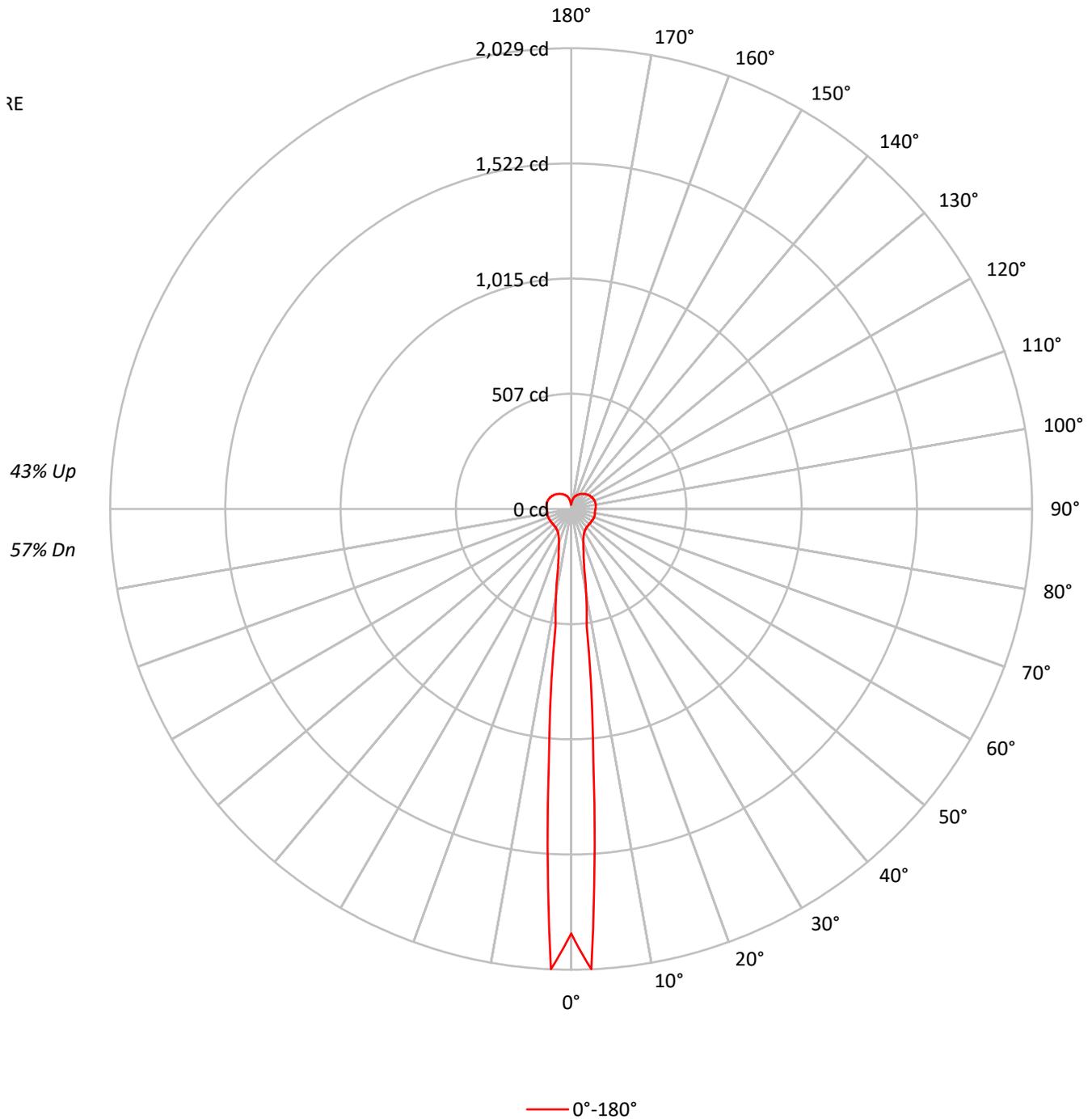
Lumens per Lamp: N/A
Luminaire Lumens: 1390.0 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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				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	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°	59144
5°	27720
10°	7792
15°	3661
20°	2412
25°	1792
30°	1474
35°	1288
40°	1162
45°	1091
50°	1040
55°	1012
60°	994
65°	989
70°	987
75°	992
80°	981
85°	995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1091 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	6.0
10°-20°	62.5	4.5
20°-30°	60.9	4.4
30°-40°	69.3	5.0
40°-50°	81.0	5.8
50°-60°	93.9	6.8
60°-70°	105.5	7.6
70°-80°	113.3	8.2
80°-90°	115.7	8.3
90°-100°	118.7	8.5
100°-110°	116.2	8.4
110°-120°	106.1	7.6
120°-130°	90.5	6.5
130°-140°	71.3	5.1
140°-150°	51.0	3.7
150°-160°	32.1	2.3
160°-170°	15.6	1.1
170°-180°	3.2	0.2
0°-30°	206.7	14.9
0°-40°	276.0	19.9
0°-60°	450.9	32.4
0°-90°	785.4	56.5
90°-120°	340.9	24.5
90°-150°	553.8	39.8
90°-180°	605.0	43.5
0°-180°	1390.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1870	
5°	1124	83
15°	210	62
25°	130	61
35°	110	69
45°	104	81
55°	104	94
65°	106	105
75°	108	113
85°	106	86
90°	107	59
95°	109	89
105°	110	116
115°	107	106
125°	101	90
135°	92	71
145°	81	51
155°	69	32
165°	55	16
175°	29	3
180°	19	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1869.5
2.5°	2028.7
5°	1123.8
7.5°	521.2
10°	383.1
12.5°	263.7
15°	210.2
17.5°	179.1
20°	157.3
22.5°	141.2
25°	130.0
27.5°	122.5
30°	116.9
32.5°	113.2
35°	110.1
37.5°	107.6
40°	105.7
42.5°	105.1
45°	104.5
47.5°	103.9
50°	103.9
52.5°	104.5
55°	104.5
57.5°	105.1
60°	105.1
62.5°	105.7
65°	106.3
67.5°	107.0
70°	107.0
72.5°	107.6
75°	107.6
77.5°	107.0
80°	105.7
82.5°	105.7
85°	105.7
87.5°	106.3
90°	107.0
92.5°	108.2
95°	108.8
97.5°	109.5
100°	110.1
102.5°	110.1
105°	110.1
107.5°	109.5
110°	108.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	108.2
115°	107.0
117.5°	105.7
120°	104.5
122.5°	102.6
125°	100.8
127.5°	98.9
130°	97.0
132.5°	94.5
135°	92.0
137.5°	89.6
140°	86.4
142.5°	84.0
145°	80.8
147.5°	78.4
150°	75.3
152.5°	72.1
155°	69.0
157.5°	65.9
160°	62.2
162.5°	59.1
165°	54.7
167.5°	49.8
170°	43.5
172.5°	36.7
175°	28.6
177.5°	21.1
180°	18.7



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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	7.5	8.5	8.3	9.4	10.6	7.5	8.5	8.3	9.4	10.6
	3H	10.3	11.2	11.2	12.2	13.3	10.3	11.2	11.2	12.2	13.3
	4H	11.7	12.6	12.6	13.5	14.7	11.7	12.6	12.6	13.5	14.7
	6H	13.0	13.9	13.9	14.8	16.0	13.0	13.9	13.9	14.8	16.0
	8H	13.7	14.5	14.6	15.4	16.6	13.7	14.5	14.6	15.4	16.6
	12H	14.3	15.0	15.2	16.0	17.2	14.3	15.0	15.2	16.0	17.2
4H	2H	8.2	9.1	9.1	10.0	11.2	8.2	9.1	9.1	10.0	11.2
	3H	11.2	12.0	12.1	12.9	14.2	11.2	12.0	12.1	12.9	14.2
	4H	12.8	13.5	13.7	14.4	15.7	12.8	13.5	13.7	14.4	15.7
	6H	14.3	14.9	15.2	15.9	17.1	14.3	14.9	15.2	15.9	17.1
	8H	15.0	15.6	15.9	16.6	17.8	15.0	15.6	15.9	16.6	17.8
	12H	15.7	16.3	16.7	17.3	18.5	15.7	16.3	16.7	17.3	18.5
8H	4H	13.2	13.8	14.2	14.8	16.1	13.2	13.8	14.2	14.8	16.1
	6H	14.9	15.5	15.9	16.5	17.7	14.9	15.5	15.9	16.5	17.7
	8H	15.8	16.3	16.8	17.3	18.6	15.8	16.3	16.8	17.3	18.6
	12H	16.7	17.2	17.7	18.1	19.5	16.7	17.2	17.7	18.1	19.5
12H	4H	13.3	13.9	14.3	14.9	16.1	13.3	13.9	14.3	14.9	16.1
	6H	15.1	15.6	16.1	16.6	17.9	15.1	15.6	16.1	16.6	17.9
	8H	16.1	16.5	17.1	17.5	18.8	16.1	16.5	17.1	17.5	18.8

(END OF REPORT)