

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: P1245350

Luminaire Tested: PRLX-UNA-L-935-20L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245350
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-935-20L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

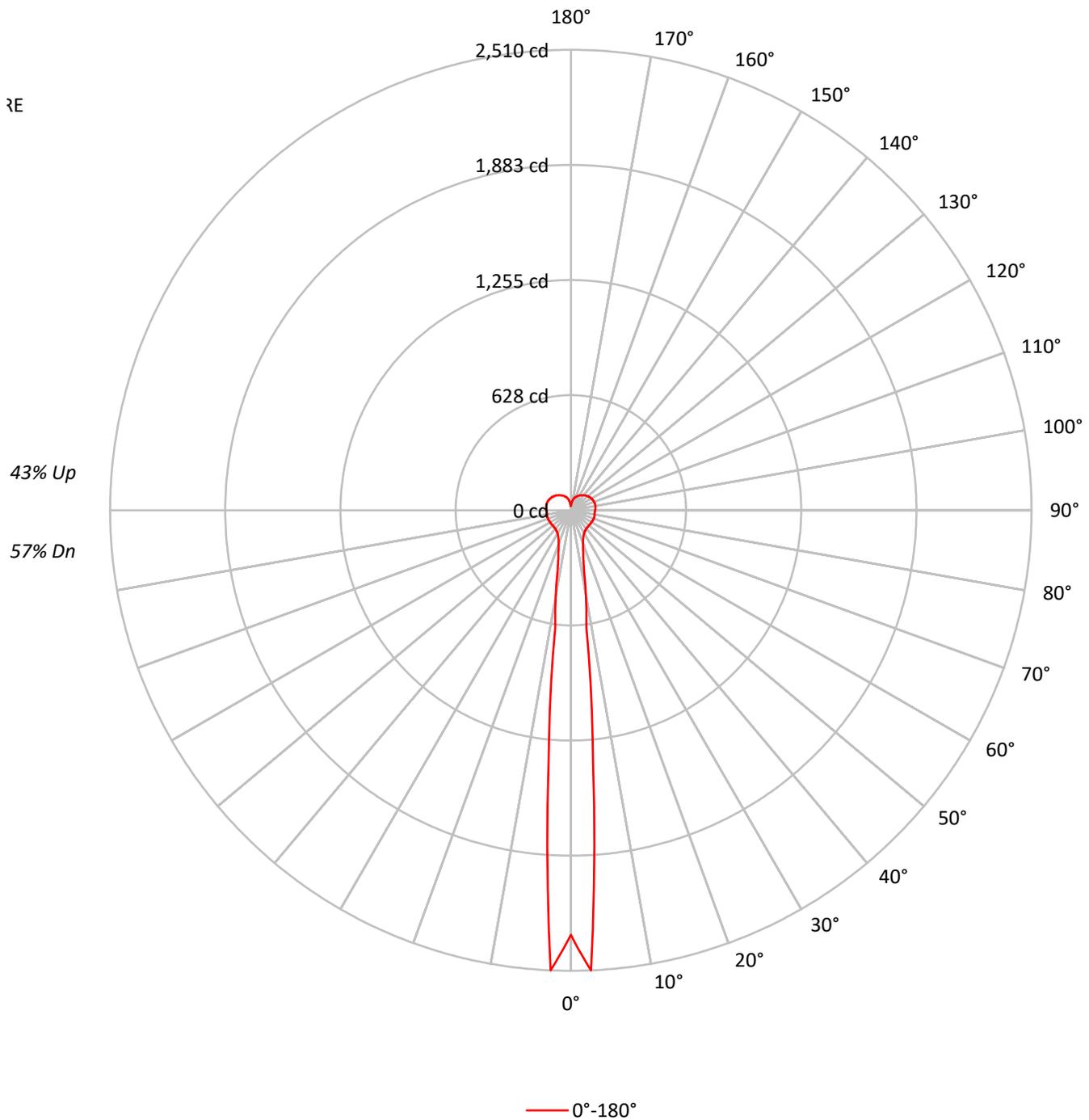
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1720.0 lumens
Efficiency: N/A
Efficacy: 35.4 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): 48.6
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	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°	73184
5°	34301
10°	9643
15°	4530
20°	2985
25°	2217
30°	1825
35°	1594
40°	1438
45°	1350
50°	1286
55°	1253
60°	1230
65°	1224
70°	1221
75°	1227
80°	1214
85°	1231

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1350 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	6.0
10°-20°	77.3	4.5
20°-30°	75.3	4.4
30°-40°	85.8	5.0
40°-50°	100.2	5.8
50°-60°	116.2	6.8
60°-70°	130.6	7.6
70°-80°	140.2	8.2
80°-90°	143.1	8.3
90°-100°	146.8	8.5
100°-110°	143.7	8.4
110°-120°	131.3	7.6
120°-130°	112.0	6.5
130°-140°	88.3	5.1
140°-150°	63.1	3.7
150°-160°	39.7	2.3
160°-170°	19.3	1.1
170°-180°	4.0	0.2
0°-30°	255.8	14.9
0°-40°	341.5	19.9
0°-60°	557.9	32.4
0°-90°	971.8	56.5
90°-120°	421.8	24.5
90°-150°	685.2	39.8
90°-180°	748.0	43.5
0°-180°	1720.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2313	
5°	1391	103
15°	260	77
25°	161	75
35°	136	86
45°	129	100
55°	129	116
65°	132	131
75°	133	140
85°	131	107
90°	132	73
95°	135	110
105°	136	144
115°	132	131
125°	125	112
135°	114	88
145°	100	63
155°	85	40
165°	68	19
175°	35	4
180°	23	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2313.3
2.5°	2510.3
5°	1390.6
7.5°	644.9
10°	474.1
12.5°	326.3
15°	260.1
17.5°	221.6
20°	194.7
22.5°	174.7
25°	160.8
27.5°	151.6
30°	144.7
32.5°	140.1
35°	136.2
37.5°	133.1
40°	130.8
42.5°	130.1
45°	129.3
47.5°	128.5
50°	128.5
52.5°	129.3
55°	129.3
57.5°	130.1
60°	130.1
62.5°	130.8
65°	131.6
67.5°	132.4
70°	132.4
72.5°	133.1
75°	133.1
77.5°	132.4
80°	130.8
82.5°	130.8
85°	130.8
87.5°	131.6
90°	132.4
92.5°	133.9
95°	134.7
97.5°	135.4
100°	136.2
102.5°	136.2
105°	136.2
107.5°	135.4
110°	134.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	133.9
115°	132.4
117.5°	130.8
120°	129.3
122.5°	127.0
125°	124.7
127.5°	122.4
130°	120.1
132.5°	117.0
135°	113.9
137.5°	110.8
140°	107.0
142.5°	103.9
145°	100.0
147.5°	97.0
150°	93.1
152.5°	89.3
155°	85.4
157.5°	81.6
160°	77.0
162.5°	73.1
165°	67.7
167.5°	61.6
170°	53.9
172.5°	45.4
175°	35.4
177.5°	26.2
180°	23.1



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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	8.2	9.2	9.1	10.1	11.3	8.2	9.2	9.1	10.1	11.3
	3H	11.0	12.0	11.9	12.9	14.1	11.0	12.0	11.9	12.9	14.1
	4H	12.4	13.3	13.3	14.2	15.4	12.4	13.3	13.3	14.2	15.4
	6H	13.8	14.6	14.7	15.5	16.7	13.8	14.6	14.7	15.5	16.7
	8H	14.4	15.2	15.3	16.1	17.4	14.4	15.2	15.3	16.1	17.4
	12H	15.0	15.8	16.0	16.7	18.0	15.0	15.8	16.0	16.7	18.0
4H	2H	8.9	9.8	9.8	10.7	11.9	8.9	9.8	9.8	10.7	11.9
	3H	12.0	12.7	12.9	13.7	14.9	12.0	12.7	12.9	13.7	14.9
	4H	13.5	14.2	14.4	15.2	16.4	13.5	14.2	14.4	15.2	16.4
	6H	15.0	15.6	15.9	16.6	17.8	15.0	15.6	15.9	16.6	17.8
	8H	15.7	16.3	16.7	17.3	18.6	15.7	16.3	16.7	17.3	18.6
	12H	16.5	17.0	17.4	18.0	19.3	16.5	17.0	17.4	18.0	19.3
8H	4H	14.0	14.6	14.9	15.6	16.8	14.0	14.6	14.9	15.6	16.8
	6H	15.7	16.2	16.7	17.2	18.5	15.7	16.2	16.7	17.2	18.5
	8H	16.6	17.0	17.5	18.0	19.3	16.6	17.0	17.5	18.0	19.3
	12H	17.5	17.9	18.5	18.9	20.2	17.5	17.9	18.5	18.9	20.2
12H	4H	14.1	14.6	15.0	15.6	16.9	14.1	14.6	15.0	15.6	16.9
	6H	15.9	16.3	16.8	17.3	18.6	15.9	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)