

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: P1244843

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

Issue Date: 1/30/2026

**Test Information**

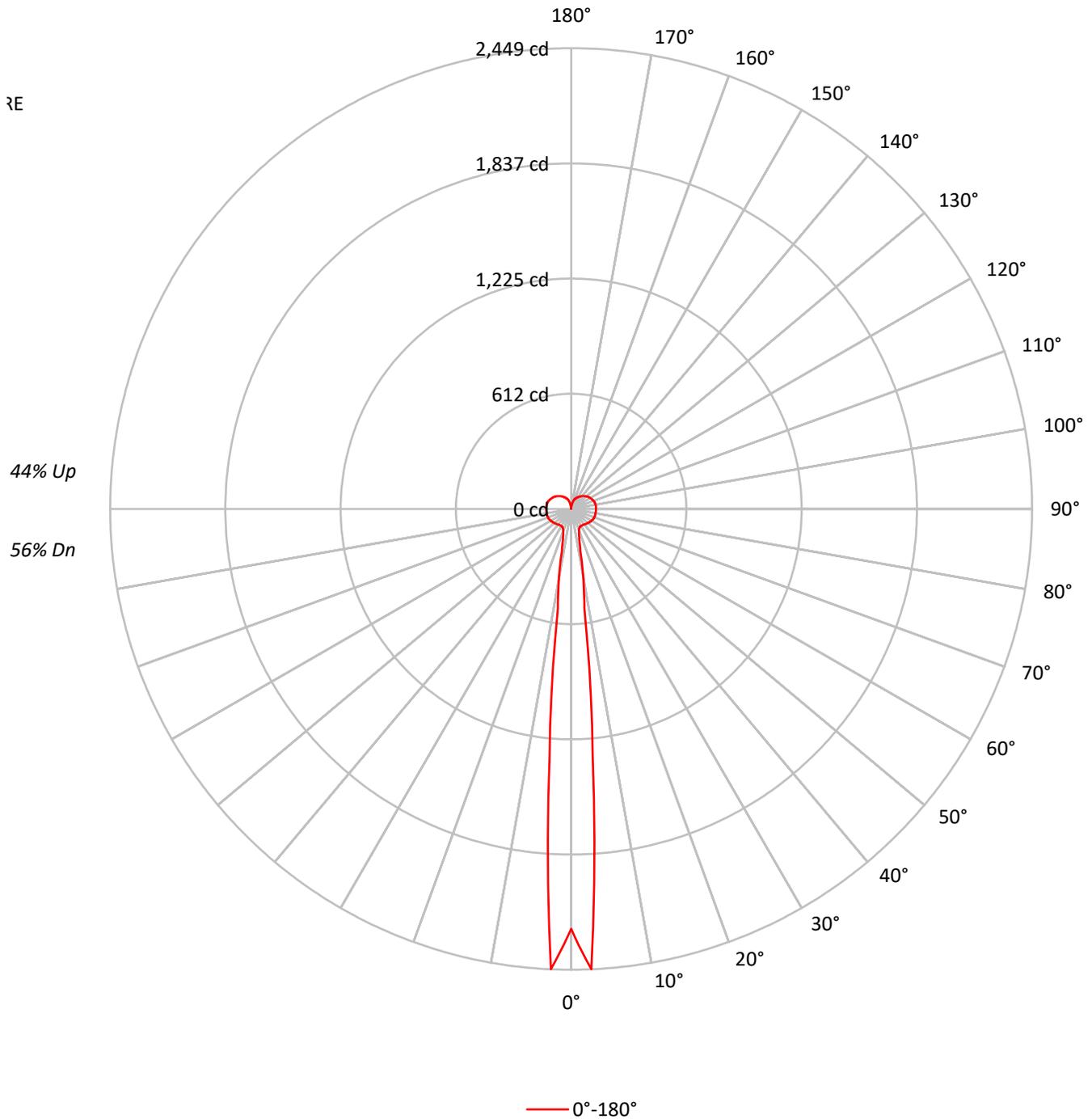
Test Method: LM-79-2019  
Report Number: P1244843  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-MIN-L-935-16L-U-NL  
Description: 3D PRINTED 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: 1539.9 lumens  
Efficiency: N/A  
Efficacy: 39.7 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	43	37	60	48	40	34	41	35	30	35	30	26	29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	70619
5°	32384
10°	7548
15°	2883
20°	1861
25°	1482
30°	1316
35°	1231
40°	1189
45°	1170
50°	1161
55°	1168
60°	1177
65°	1194
70°	1206
75°	1218
80°	1219
85°	1245

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1273 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.2	6.1
10°-20°	51.8	3.4
20°-30°	50.5	3.3
30°-40°	66.3	4.3
40°-50°	86.9	5.6
50°-60°	108.2	7.0
60°-70°	127.3	8.3
70°-80°	139.1	9.0
80°-90°	143.9	9.3
90°-100°	144.1	9.4
100°-110°	137.0	8.9
110°-120°	121.2	7.9
120°-130°	99.8	6.5
130°-140°	75.3	4.9
140°-150°	50.9	3.3
150°-160°	29.8	1.9
160°-170°	12.3	0.8
170°-180°	1.2	0.1
0°-30°	196.5	12.8
0°-40°	262.8	17.1
0°-60°	457.9	29.7
0°-90°	868.2	56.4
90°-120°	402.4	26.1
90°-150°	628.4	40.8
90°-180°	672.0	43.6
0°-180°	1539.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2232	
5°	1313	94
15°	166	52
25°	108	51
35°	105	66
45°	112	87
55°	121	108
65°	128	127
75°	132	139
85°	132	108
90°	132	72
95°	132	108
105°	130	137
115°	122	121
125°	111	100
135°	97	75
145°	80	51
155°	64	30
165°	43	12
175°	6	1
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2232.2
2.5°	2448.7
5°	1312.9
7.5°	534.3
10°	371.1
12.5°	227.3
15°	165.5
17.5°	137.6
20°	121.4
22.5°	112.9
25°	107.5
27.5°	105.2
30°	104.4
32.5°	104.4
35°	105.2
37.5°	105.9
40°	108.2
42.5°	109.8
45°	112.1
47.5°	114.4
50°	116.0
52.5°	118.3
55°	120.6
57.5°	122.9
60°	124.5
62.5°	126.8
65°	128.4
67.5°	129.9
70°	130.7
72.5°	131.4
75°	132.2
77.5°	131.4
80°	131.4
82.5°	131.4
85°	132.2
87.5°	132.2
90°	132.2
92.5°	132.2
95°	132.2
97.5°	132.2
100°	131.4
102.5°	130.7
105°	129.9
107.5°	128.4
110°	126.8

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	124.5
115°	122.2
117.5°	119.8
120°	116.8
122.5°	114.4
125°	111.3
127.5°	108.2
130°	104.4
132.5°	101.3
135°	97.4
137.5°	92.8
140°	88.9
142.5°	85.1
145°	80.4
147.5°	76.5
150°	72.7
152.5°	68.0
155°	64.2
157.5°	59.5
160°	54.9
162.5°	49.5
165°	43.3
167.5°	34.8
170°	24.0
172.5°	14.7
175°	6.2
177.5°	1.5
180°	0.8



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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	9.0	10.1	11.3	8.2	9.2	9.0	10.1	11.3
	3H	11.2	12.1	12.1	13.0	14.2	11.2	12.1	12.1	13.0	14.2
	4H	12.6	13.5	13.5	14.4	15.6	12.6	13.5	13.5	14.4	15.6
	6H	14.0	14.9	14.9	15.8	17.0	14.0	14.9	14.9	15.8	17.0
	8H	14.7	15.5	15.6	16.4	17.6	14.7	15.5	15.6	16.4	17.6
	12H	15.3	16.1	16.2	17.1	18.3	15.3	16.1	16.2	17.1	18.3
4H	2H	8.9	9.9	9.8	10.8	12.0	8.9	9.9	9.8	10.8	12.0
	3H	12.1	12.9	13.0	13.9	15.1	12.1	12.9	13.0	13.9	15.1
	4H	13.7	14.4	14.6	15.4	16.6	13.7	14.4	14.6	15.4	16.6
	6H	15.3	15.9	16.2	16.9	18.1	15.3	15.9	16.2	16.9	18.1
	8H	16.0	16.6	17.0	17.6	18.9	16.0	16.6	17.0	17.6	18.9
	12H	16.8	17.3	17.7	18.3	19.6	16.8	17.3	17.7	18.3	19.6
8H	4H	14.2	14.8	15.1	15.8	17.1	14.2	14.8	15.1	15.8	17.1
	6H	16.0	16.5	16.9	17.5	18.8	16.0	16.5	16.9	17.5	18.8
	8H	16.9	17.4	17.8	18.4	19.6	16.9	17.4	17.8	18.4	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	14.3	14.9	15.3	15.9	17.1	14.3	14.9	15.3	15.9	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	17.6	18.1	18.6	19.9	17.1	17.6	18.1	18.6	19.9

(END OF REPORT)