

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: P1244845

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

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244845  
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-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

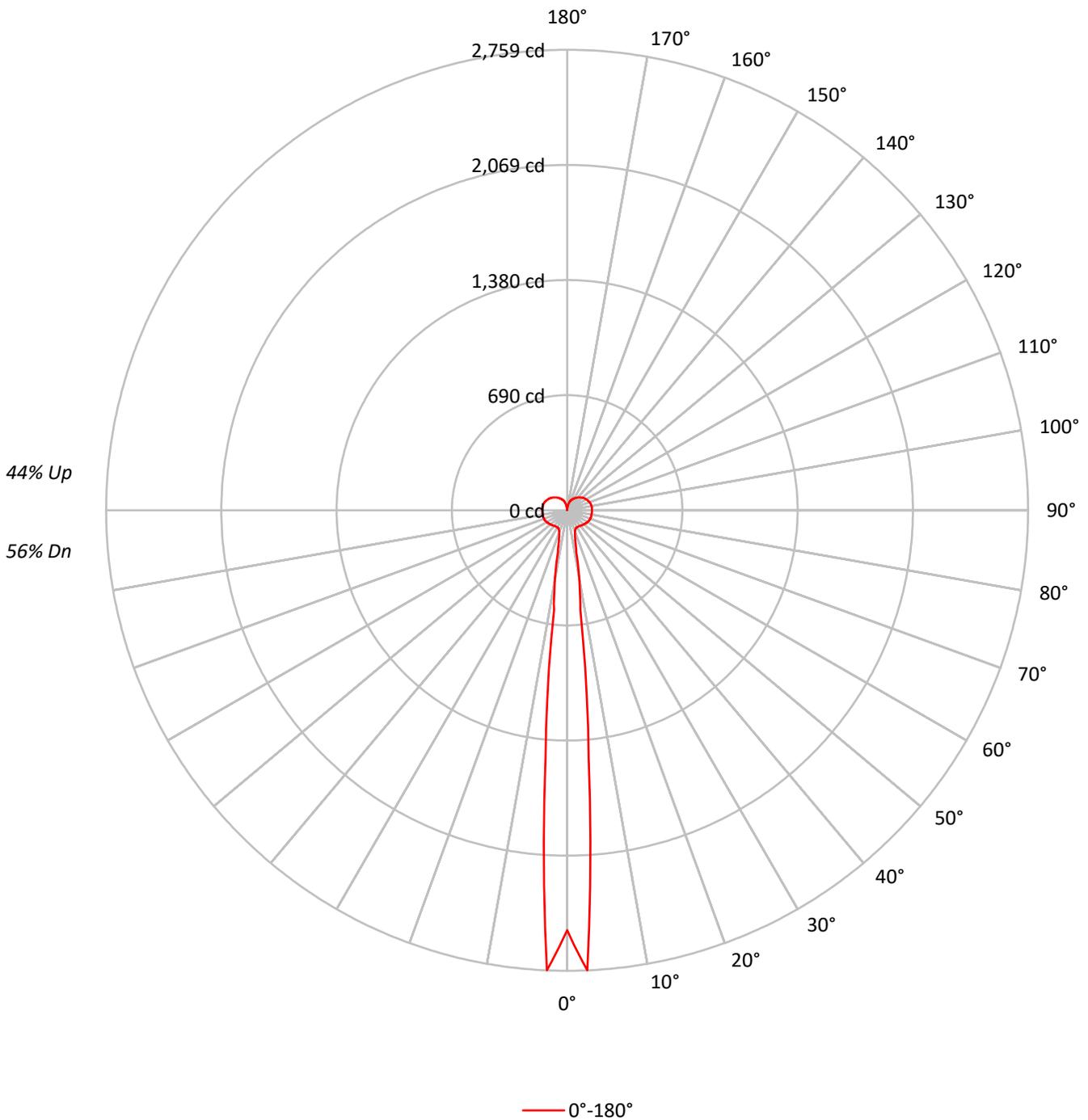
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1735.0 lumens  
Efficiency: N/A  
Efficacy: 44.7 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 (A<sub>in</sub>): 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

TEST NUMBER: P1244845

CATALOG NUMBER: PRLX-MIN-L-935-16L-U-PS

### Luminous Intensity Polar Plot





TEST NUMBER: P1244845

CATALOG NUMBER: PRLX-MIN-L-935-16L-U-PS

**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	36	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°	79562
5°	36484
10°	8504
15°	3247
20°	2097
25°	1669
30°	1483
35°	1386
40°	1341
45°	1318
50°	1309
55°	1317
60°	1326
65°	1345
70°	1358
75°	1373
80°	1374
85°	1403

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1435 cd/sqm



TEST NUMBER: P1244845

CATALOG NUMBER: PRLX-MIN-L-935-16L-U-PS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.1	6.1
10°-20°	58.4	3.4
20°-30°	56.9	3.3
30°-40°	74.7	4.3
40°-50°	97.9	5.6
50°-60°	121.9	7.0
60°-70°	143.4	8.3
70°-80°	156.8	9.0
80°-90°	162.2	9.3
90°-100°	162.4	9.4
100°-110°	154.4	8.9
110°-120°	136.6	7.9
120°-130°	112.5	6.5
130°-140°	84.9	4.9
140°-150°	57.3	3.3
150°-160°	33.6	1.9
160°-170°	13.8	0.8
170°-180°	1.3	0.1
0°-30°	221.4	12.8
0°-40°	296.1	17.1
0°-60°	515.9	29.7
0°-90°	978.3	56.4
90°-120°	453.4	26.1
90°-150°	708.0	40.8
90°-180°	757.0	43.6
0°-180°	1735.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2515	
5°	1479	106
15°	186	58
25°	121	57
35°	118	75
45°	126	98
55°	136	122
65°	145	143
75°	149	157
85°	149	121
90°	149	82
95°	149	122
105°	146	154
115°	138	137
125°	125	112
135°	110	85
145°	91	57
155°	72	34
165°	49	14
175°	7	1
180°	1	

TEST NUMBER: P1244845

CATALOG NUMBER: PRLX-MIN-L-935-16L-U-PS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2514.9
2.5°	2758.8
5°	1479.1
7.5°	601.9
10°	418.1
12.5°	256.1
15°	186.4
17.5°	155.1
20°	136.8
22.5°	127.2
25°	121.1
27.5°	118.5
30°	117.6
32.5°	117.6
35°	118.5
37.5°	119.3
40°	122.0
42.5°	123.7
45°	126.3
47.5°	128.9
50°	130.7
52.5°	133.3
55°	135.9
57.5°	138.5
60°	140.2
62.5°	142.9
65°	144.6
67.5°	146.3
70°	147.2
72.5°	148.1
75°	149.0
77.5°	148.1
80°	148.1
82.5°	148.1
85°	149.0
87.5°	149.0
90°	149.0
92.5°	149.0
95°	149.0
97.5°	149.0
100°	148.1
102.5°	147.2
105°	146.3
107.5°	144.6
110°	142.9

TEST NUMBER: P1244845

CATALOG NUMBER: PRLX-MIN-L-935-16L-U-PS

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	140.2
115°	137.6
117.5°	135.0
120°	131.5
122.5°	128.9
125°	125.4
127.5°	122.0
130°	117.6
132.5°	114.1
135°	109.8
137.5°	104.5
140°	100.2
142.5°	95.8
145°	90.6
147.5°	86.2
150°	81.9
152.5°	76.7
155°	72.3
157.5°	67.1
160°	61.8
162.5°	55.8
165°	48.8
167.5°	39.2
170°	27.0
172.5°	16.6
175°	7.0
177.5°	1.7
180°	0.9



TEST NUMBER: P1244845

CATALOG NUMBER: PRLX-MIN-L-935-16L-U-PS

**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	8.6	9.6	9.5	10.5	11.7	8.6	9.6	9.5	10.5	11.7
	3H	11.6	12.5	12.5	13.5	14.6	11.6	12.5	12.5	13.5	14.6
	4H	13.0	13.9	13.9	14.9	16.1	13.0	13.9	13.9	14.9	16.1
	6H	14.4	15.3	15.3	16.2	17.4	14.4	15.3	15.3	16.2	17.4
	8H	15.1	15.9	16.0	16.8	18.1	15.1	15.9	16.0	16.8	18.1
	12H	15.7	16.5	16.7	17.5	18.7	15.7	16.5	16.7	17.5	18.7
4H	2H	9.4	10.3	10.3	11.2	12.4	9.4	10.3	10.3	11.2	12.4
	3H	12.5	13.3	13.4	14.3	15.5	12.5	13.3	13.4	14.3	15.5
	4H	14.1	14.9	15.0	15.8	17.0	14.1	14.9	15.0	15.8	17.0
	6H	15.7	16.3	16.6	17.3	18.5	15.7	16.3	16.6	17.3	18.5
	8H	16.4	17.1	17.4	18.0	19.3	16.4	17.1	17.4	18.0	19.3
	12H	17.2	17.8	18.1	18.7	20.0	17.2	17.8	18.1	18.7	20.0
8H	4H	14.6	15.2	15.6	16.2	17.5	14.6	15.2	15.6	16.2	17.5
	6H	16.4	16.9	17.3	17.9	19.2	16.4	16.9	17.3	17.9	19.2
	8H	17.3	17.8	18.3	18.8	20.0	17.3	17.8	18.3	18.8	20.0
	12H	18.2	18.7	19.2	19.7	21.0	18.2	18.7	19.2	19.7	21.0
12H	4H	14.7	15.3	15.7	16.3	17.5	14.7	15.3	15.7	16.3	17.5
	6H	16.6	17.1	17.5	18.0	19.3	16.6	17.1	17.5	18.0	19.3
	8H	17.5	18.0	18.5	19.0	20.3	17.5	18.0	18.5	19.0	20.3

(END OF REPORT)