

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: P1245325

Luminaire Tested: PRLX-UNA-L-930-16L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245325  
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-930-16L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

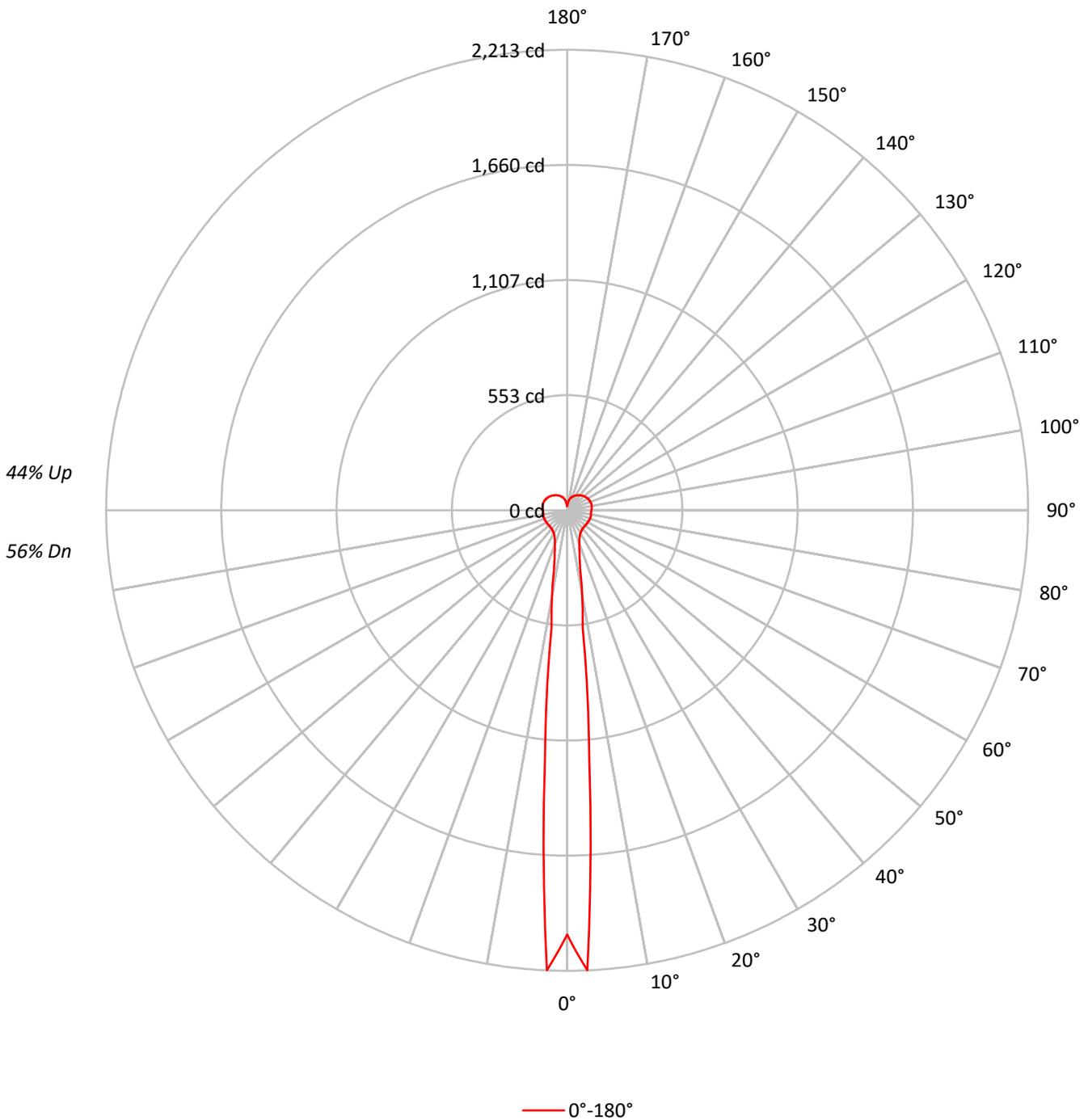
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1516.1 lumens  
Efficiency: N/A  
Efficacy: 39.1 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 (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: P1245325

CATALOG NUMBER: PRLX-UNA-L-930-16L-U-PS

### 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	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°	64503
5°	30233
10°	8498
15°	3994
20°	2631
25°	1955
30°	1608
35°	1405
40°	1267
45°	1190
50°	1134
55°	1105
60°	1084
65°	1079
70°	1076
75°	1081
80°	1070
85°	1085

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1190 cd/sqm



TEST NUMBER: P1245325

CATALOG NUMBER: PRLX-UNA-L-930-16L-U-PS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.9	6.0
10°-20°	68.2	4.5
20°-30°	66.4	4.4
30°-40°	75.6	5.0
40°-50°	88.3	5.8
50°-60°	102.4	6.8
60°-70°	115.1	7.6
70°-80°	123.6	8.2
80°-90°	126.2	8.3
90°-100°	129.4	8.5
100°-110°	126.7	8.4
110°-120°	115.8	7.6
120°-130°	98.6	6.5
130°-140°	77.8	5.1
140°-150°	55.7	3.7
150°-160°	35.0	2.3
160°-170°	17.0	1.1
170°-180°	3.5	0.2
0°-30°	225.4	14.9
0°-40°	301.0	19.9
0°-60°	491.7	32.4
0°-90°	856.6	56.5
90°-120°	371.9	24.5
90°-150°	604.0	39.8
90°-180°	660.0	43.5
0°-180°	1516.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2039	
5°	1226	91
15°	229	68
25°	142	66
35°	120	76
45°	114	88
55°	114	102
65°	116	115
75°	117	124
85°	115	94
90°	117	64
95°	119	97
105°	120	127
115°	117	116
125°	110	99
135°	100	78
145°	88	56
155°	75	35
165°	60	17
175°	31	4
180°	20	

TEST NUMBER: P1245325

CATALOG NUMBER: PRLX-UNA-L-930-16L-U-PS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2038.9
2.5°	2212.6
5°	1225.7
7.5°	568.4
10°	417.8
12.5°	287.6
15°	229.3
17.5°	195.3
20°	171.6
22.5°	154.0
25°	141.8
27.5°	133.6
30°	127.5
32.5°	123.4
35°	120.1
37.5°	117.3
40°	115.3
42.5°	114.6
45°	114.0
47.5°	113.3
50°	113.3
52.5°	114.0
55°	114.0
57.5°	114.6
60°	114.6
62.5°	115.3
65°	116.0
67.5°	116.7
70°	116.7
72.5°	117.3
75°	117.3
77.5°	116.7
80°	115.3
82.5°	115.3
85°	115.3
87.5°	116.0
90°	116.7
92.5°	118.0
95°	118.7
97.5°	119.4
100°	120.1
102.5°	120.1
105°	120.1
107.5°	119.4
110°	118.7

TEST NUMBER: P1245325

CATALOG NUMBER: PRLX-UNA-L-930-16L-U-PS

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	118.0
115°	116.7
117.5°	115.3
120°	114.0
122.5°	111.9
125°	109.9
127.5°	107.8
130°	105.8
132.5°	103.1
135°	100.4
137.5°	97.7
140°	94.3
142.5°	91.6
145°	88.2
147.5°	85.5
150°	82.1
152.5°	78.7
155°	75.3
157.5°	71.9
160°	67.8
162.5°	64.4
165°	59.7
167.5°	54.3
170°	47.5
172.5°	40.0
175°	31.2
177.5°	23.1
180°	20.3



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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	7.8	8.8	8.6	9.7	10.9	7.8	8.8	8.6	9.7	10.9
	3H	10.6	11.5	11.5	12.5	13.6	10.6	11.5	11.5	12.5	13.6
	4H	12.0	12.9	12.9	13.8	15.0	12.0	12.9	12.9	13.8	15.0
	6H	13.3	14.2	14.2	15.1	16.3	13.3	14.2	14.2	15.1	16.3
	8H	14.0	14.8	14.9	15.7	16.9	14.0	14.8	14.9	15.7	16.9
	12H	14.6	15.3	15.5	16.3	17.5	14.6	15.3	15.5	16.3	17.5
4H	2H	8.5	9.4	9.4	10.3	11.5	8.5	9.4	9.4	10.3	11.5
	3H	11.5	12.3	12.4	13.2	14.5	11.5	12.3	12.4	13.2	14.5
	4H	13.1	13.8	14.0	14.7	16.0	13.1	13.8	14.0	14.7	16.0
	6H	14.6	15.2	15.5	16.2	17.4	14.6	15.2	15.5	16.2	17.4
	8H	15.3	15.9	16.2	16.9	18.1	15.3	15.9	16.2	16.9	18.1
	12H	16.0	16.6	17.0	17.6	18.8	16.0	16.6	17.0	17.6	18.8
8H	4H	13.5	14.1	14.5	15.1	16.4	13.5	14.1	14.5	15.1	16.4
	6H	15.2	15.8	16.2	16.8	18.0	15.2	15.8	16.2	16.8	18.0
	8H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9
	12H	17.0	17.5	18.0	18.4	19.8	17.0	17.5	18.0	18.4	19.8
12H	4H	13.6	14.2	14.6	15.2	16.4	13.6	14.2	14.6	15.2	16.4
	6H	15.4	15.9	16.4	16.9	18.2	15.4	15.9	16.4	16.9	18.2
	8H	16.4	16.8	17.4	17.8	19.1	16.4	16.8	17.4	17.8	19.1

(END OF REPORT)