

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: P1245332

Luminaire Tested: PRLX-UNA-L-930-27L-U-NL

Issue Date: 1/30/2026

**Test Information**

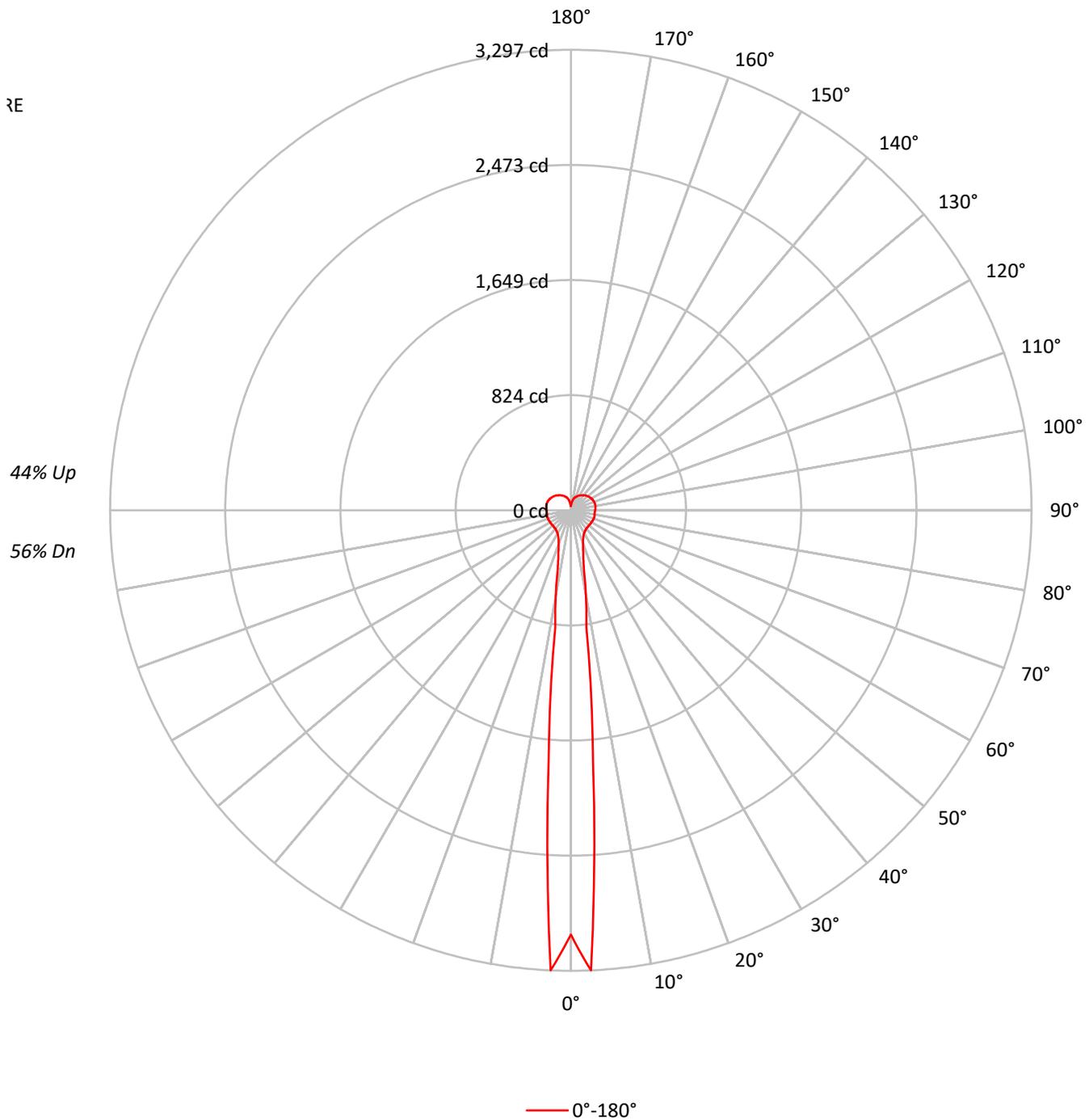
Test Method: LM-79-2019  
Report Number: P1245332  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-L-930-27L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF  
LIGHT LEVEL 8  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2258.9 lumens  
Efficiency: N/A  
Efficacy: 32.5 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): 69.4  
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: P1245332  
CATALOG NUMBER: PRLX-UNA-L-930-27L-U-NL

### 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°	96118
5°	45050
10°	12663
15°	5950
20°	3920
25°	2911
30°	2396
35°	2093
40°	1888
45°	1773
50°	1690
55°	1645
60°	1615
65°	1608
70°	1603
75°	1612
80°	1594
85°	1617

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1773 cd/sqm



TEST NUMBER: P1245332

CATALOG NUMBER: PRLX-UNA-L-930-27L-U-NL

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.4	6.0
10°-20°	101.6	4.5
20°-30°	98.9	4.4
30°-40°	112.6	5.0
40°-50°	131.6	5.8
50°-60°	152.6	6.8
60°-70°	171.4	7.6
70°-80°	184.2	8.2
80°-90°	188.0	8.3
90°-100°	192.9	8.5
100°-110°	188.7	8.4
110°-120°	172.5	7.6
120°-130°	147.0	6.5
130°-140°	115.9	5.1
140°-150°	82.9	3.7
150°-160°	52.1	2.3
160°-170°	25.4	1.1
170°-180°	5.2	0.2
0°-30°	335.9	14.9
0°-40°	448.6	19.9
0°-60°	732.7	32.4
0°-90°	1276.3	56.5
90°-120°	554.1	24.5
90°-150°	899.9	39.8
90°-180°	983.0	43.5
0°-180°	2258.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3038	
5°	1826	135
15°	342	102
25°	211	99
35°	179	113
45°	170	132
55°	170	153
65°	173	171
75°	175	184
85°	172	140
90°	174	95
95°	177	145
105°	179	189
115°	174	172
125°	164	147
135°	150	116
145°	131	83
155°	112	52
165°	89	25
175°	46	5
180°	30	

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CATALOG NUMBER: PRLX-UNA-L-930-27L-U-NL

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3038.2
2.5°	3297.0
5°	1826.4
7.5°	847.0
10°	622.6
12.5°	428.5
15°	341.6
17.5°	291.1
20°	255.7
22.5°	229.4
25°	211.2
27.5°	199.1
30°	190.0
32.5°	184.0
35°	178.9
37.5°	174.9
40°	171.8
42.5°	170.8
45°	169.8
47.5°	168.8
50°	168.8
52.5°	169.8
55°	169.8
57.5°	170.8
60°	170.8
62.5°	171.8
65°	172.8
67.5°	173.8
70°	173.8
72.5°	174.9
75°	174.9
77.5°	173.8
80°	171.8
82.5°	171.8
85°	171.8
87.5°	172.8
90°	173.8
92.5°	175.9
95°	176.9
97.5°	177.9
100°	178.9
102.5°	178.9
105°	178.9
107.5°	177.9
110°	176.9

TEST NUMBER: P1245332

CATALOG NUMBER: PRLX-UNA-L-930-27L-U-NL

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	175.9
115°	173.8
117.5°	171.8
120°	169.8
122.5°	166.8
125°	163.7
127.5°	160.7
130°	157.7
132.5°	153.6
135°	149.6
137.5°	145.5
140°	140.5
142.5°	136.4
145°	131.4
147.5°	127.4
150°	122.3
152.5°	117.2
155°	112.2
157.5°	107.1
160°	101.1
162.5°	96.0
165°	88.9
167.5°	80.9
170°	70.8
172.5°	59.6
175°	46.5
177.5°	34.4
180°	30.3



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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	9.2	10.2	10.0	11.1	12.2	9.2	10.2	10.0	11.1	12.2
	3H	12.0	12.9	12.9	13.8	15.0	12.0	12.9	12.9	13.8	15.0
	4H	13.4	14.3	14.3	15.2	16.4	13.4	14.3	14.3	15.2	16.4
	6H	14.7	15.5	15.6	16.5	17.7	14.7	15.5	15.6	16.5	17.7
	8H	15.3	16.1	16.3	17.1	18.3	15.3	16.1	16.3	17.1	18.3
	12H	16.0	16.7	16.9	17.7	18.9	16.0	16.7	16.9	17.7	18.9
4H	2H	9.9	10.8	10.8	11.7	12.9	9.9	10.8	10.8	11.7	12.9
	3H	12.9	13.7	13.8	14.6	15.8	12.9	13.7	13.8	14.6	15.8
	4H	14.4	15.2	15.4	16.1	17.3	14.4	15.2	15.4	16.1	17.3
	6H	15.9	16.6	16.9	17.6	18.8	15.9	16.6	16.9	17.6	18.8
	8H	16.7	17.3	17.6	18.2	19.5	16.7	17.3	17.6	18.2	19.5
	12H	17.4	18.0	18.4	18.9	20.2	17.4	18.0	18.4	18.9	20.2
8H	4H	14.9	15.5	15.9	16.5	17.8	14.9	15.5	15.9	16.5	17.8
	6H	16.6	17.2	17.6	18.2	19.4	16.6	17.2	17.6	18.2	19.4
	8H	17.5	18.0	18.5	19.0	20.2	17.5	18.0	18.5	19.0	20.2
	12H	18.4	18.8	19.4	19.8	21.1	18.4	18.8	19.4	19.8	21.1
12H	4H	15.0	15.6	16.0	16.6	17.8	15.0	15.6	16.0	16.6	17.8
	6H	16.8	17.3	17.8	18.3	19.6	16.8	17.3	17.8	18.3	19.6
	8H	17.8	18.2	18.7	19.2	20.5	17.8	18.2	18.7	19.2	20.5

(END OF REPORT)