

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: P1245124

Luminaire Tested: PRLX-NIM-L-940-27L-U-NL

Issue Date: 1/30/2026

**Test Information**

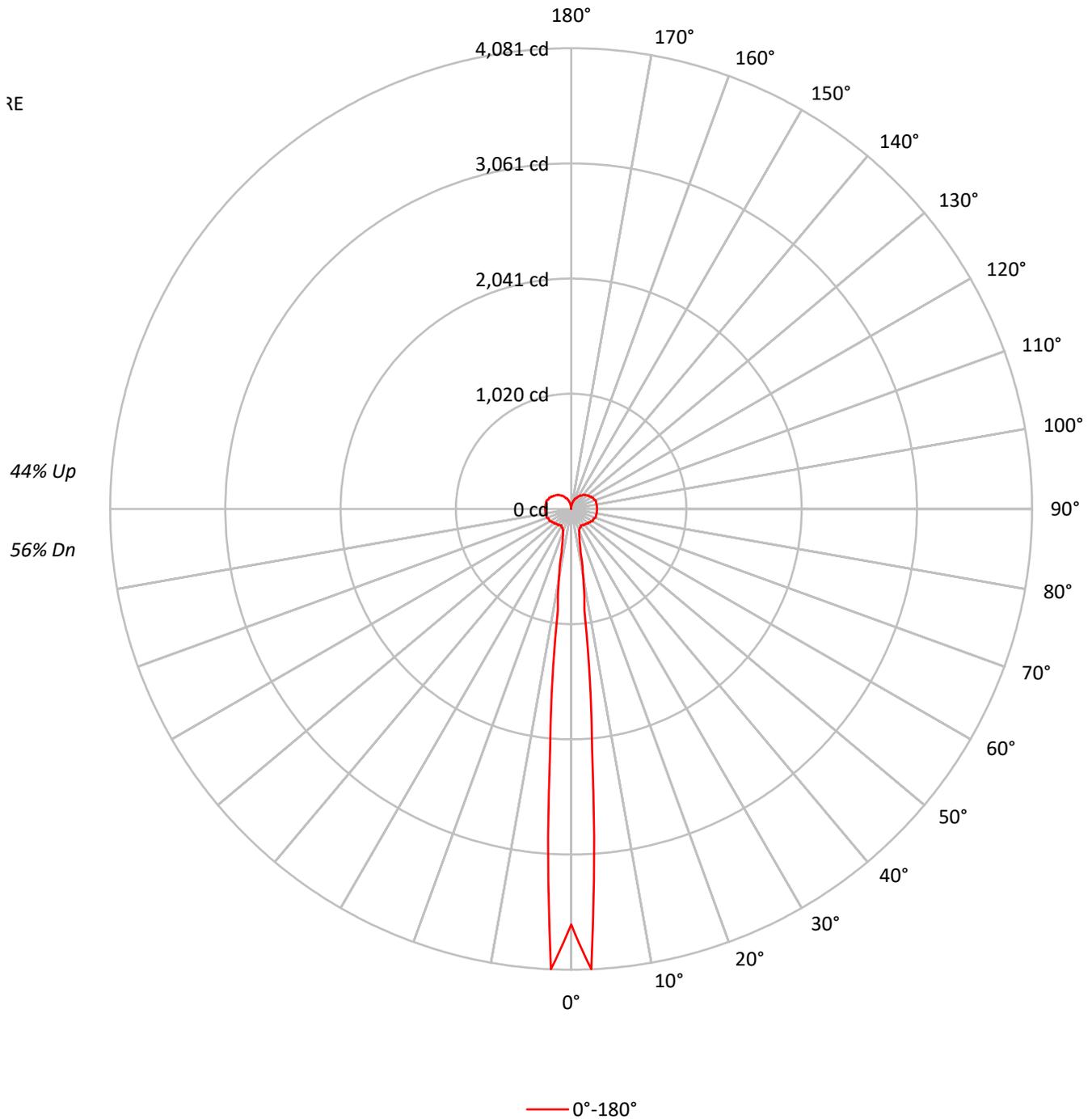
Test Method: LM-79-2019  
Report Number: P1245124  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-L-940-27L-U-NL  
Description: 3D PRINTED 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: 2660.0 lumens  
Efficiency: N/A  
Efficacy: 38.3 lumens/watt  
Spacing Criteria (0/90/45): 0.19 / 0.19 / 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): 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

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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	95	89	83	78	87	82	77	73	70	66	62	58	55	53	48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12

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

	0°
0°	116441
5°	52724
10°	12554
15°	4978
20°	3154
25°	2521
30°	2162
35°	2007
40°	2010
45°	1909
50°	1945
55°	1993
60°	2054
65°	2021
70°	2109
75°	2107
80°	2121
85°	2152

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 2201 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.0	5.9
10°-20°	88.7	3.3
20°-30°	86.2	3.2
30°-40°	110.6	4.2
40°-50°	145.1	5.5
50°-60°	182.2	6.8
60°-70°	217.1	8.2
70°-80°	241.8	9.1
80°-90°	249.4	9.4
90°-100°	249.4	9.4
100°-110°	241.8	9.1
110°-120°	215.7	8.1
120°-130°	177.1	6.7
130°-140°	135.3	5.1
140°-150°	91.0	3.4
150°-160°	50.0	1.9
160°-170°	20.1	0.8
170°-180°	2.5	0.1
0°-30°	330.9	12.4
0°-40°	441.5	16.6
0°-60°	768.9	28.9
0°-90°	1477.2	55.5
90°-120°	706.9	26.6
90°-150°	1110.3	41.7
90°-180°	1183.0	44.5
0°-180°	2660.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3681	
5°	2138	156
15°	286	89
25°	183	86
35°	172	111
45°	183	145
55°	206	182
65°	217	217
75°	229	242
85°	229	187
90°	229	125
95°	229	187
105°	229	242
115°	217	216
125°	194	177
135°	172	135
145°	149	91
155°	103	50
165°	69	20
175°	11	2
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3680.6
2.5°	4080.6
5°	2137.5
7.5°	903.0
10°	617.2
12.5°	388.6
15°	285.8
17.5°	240.0
20°	205.7
22.5°	194.3
25°	182.9
27.5°	182.9
30°	171.5
32.5°	171.5
35°	171.5
37.5°	182.9
40°	182.9
42.5°	182.9
45°	182.9
47.5°	194.3
50°	194.3
52.5°	194.3
55°	205.7
57.5°	205.7
60°	217.2
62.5°	217.2
65°	217.2
67.5°	217.2
70°	228.6
72.5°	228.6
75°	228.6
77.5°	228.6
80°	228.6
82.5°	228.6
85°	228.6
87.5°	228.6
90°	228.6
92.5°	228.6
95°	228.6
97.5°	228.6
100°	228.6
102.5°	228.6
105°	228.6
107.5°	228.6
110°	228.6

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	217.2
115°	217.2
117.5°	217.2
120°	205.7
122.5°	205.7
125°	194.3
127.5°	194.3
130°	182.9
132.5°	182.9
135°	171.5
137.5°	171.5
140°	160.0
142.5°	148.6
145°	148.6
147.5°	137.2
150°	125.7
152.5°	114.3
155°	102.9
157.5°	102.9
160°	91.4
162.5°	80.0
165°	68.6
167.5°	57.2
170°	45.7
172.5°	34.3
175°	11.4
177.5°	0.0
180°	0.0



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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	9.8	10.9	10.7	11.8	13.0	9.8	10.9	10.7	11.8	13.0
	3H	12.9	13.9	13.8	14.8	16.0	12.9	13.9	13.8	14.8	16.0
	4H	14.4	15.3	15.3	16.2	17.5	14.4	15.3	15.3	16.2	17.5
	6H	15.8	16.7	16.8	17.6	18.9	15.8	16.7	16.8	17.6	18.9
	8H	16.5	17.3	17.4	18.3	19.5	16.5	17.3	17.4	18.3	19.5
	12H	17.2	18.0	18.1	18.9	20.2	17.2	18.0	18.1	18.9	20.2
4H	2H	10.6	11.5	11.6	12.5	13.7	10.6	11.5	11.6	12.5	13.7
	3H	13.9	14.7	14.8	15.7	16.9	13.9	14.7	14.8	15.7	16.9
	4H	15.5	16.3	16.5	17.2	18.5	15.5	16.3	16.5	17.2	18.5
	6H	17.1	17.8	18.1	18.8	20.0	17.1	17.8	18.1	18.8	20.0
	8H	17.9	18.5	18.8	19.5	20.8	17.9	18.5	18.8	19.5	20.8
	12H	18.7	19.2	19.6	20.2	21.5	18.7	19.2	19.6	20.2	21.5
8H	4H	16.1	16.7	17.0	17.6	18.9	16.1	16.7	17.0	17.6	18.9
	6H	17.8	18.4	18.8	19.4	20.7	17.8	18.4	18.8	19.4	20.7
	8H	18.8	19.2	19.7	20.2	21.5	18.8	19.2	19.7	20.2	21.5
	12H	19.7	20.1	20.7	21.1	22.4	19.7	20.1	20.7	21.1	22.4
12H	4H	16.2	16.7	17.1	17.7	19.0	16.2	16.7	17.1	17.7	19.0
	6H	18.0	18.5	19.0	19.5	20.8	18.0	18.5	19.0	19.5	20.8
	8H	19.0	19.5	20.0	20.5	21.8	19.0	19.5	20.0	20.5	21.8

(END OF REPORT)