

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: P1245235

Luminaire Tested: PRLX-NIM-S-930-07L-U-LF

Issue Date: 1/30/2026

**Test Information**

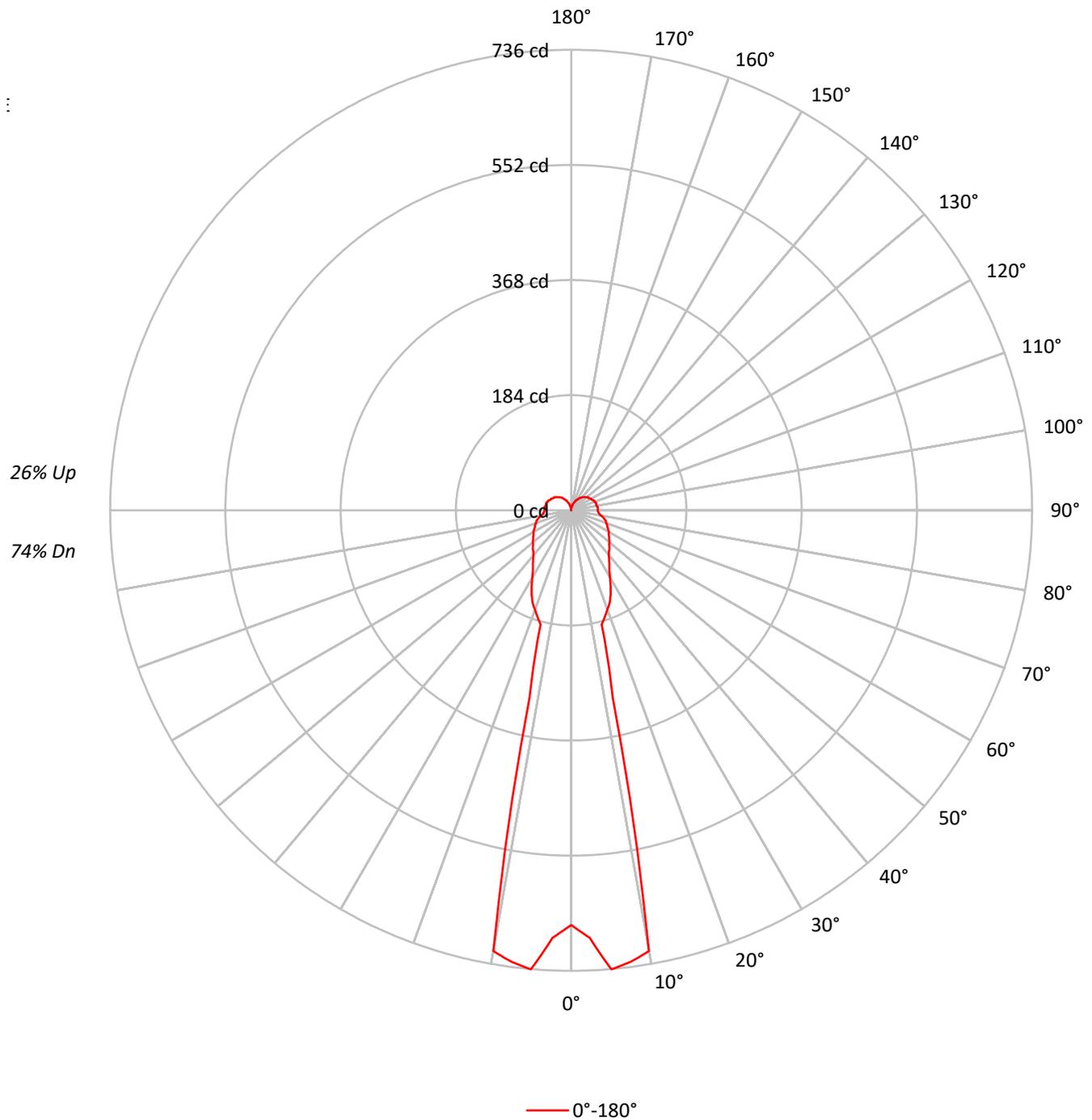
Test Method: LM-79-2019  
Report Number: P1245235  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-S-930-07L-U-LF  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 787.1 lumens  
Efficiency: N/A  
Efficacy: 48.6 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')  
CIE Type: Semi-Direct  
  
Input Watts (W): 16.2  
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	113	113	113	113	107	107	107	107	96	96	96		87	87	87		78	78	78	74
1	101	96	91	87	96	91	87	83	82	79	76		74	71	69		66	64	62	58
2	92	84	77	71	87	80	73	68	72	67	63		65	61	57		58	55	52	49
3	85	74	66	60	80	71	64	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	64	56	50	58	52	47		52	47	43		47	43	40	37
5	72	60	52	46	69	58	50	44	53	46	41		48	43	39		44	39	36	33
6	68	55	47	41	64	53	45	40	48	42	37		44	39	35		41	36	33	30
7	63	51	43	37	60	49	41	36	45	39	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	36	31		39	33	30		36	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		34	29	26	24
10	53	41	34	29	51	40	33	28	37	31	27		34	29	26		32	28	24	23

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

	0°
0°	20965
5°	20690
10°	18192
15°	4416
20°	3686
25°	3068
30°	2424
35°	2010
40°	1719
45°	1555
50°	1409
55°	1301
60°	1227
65°	1140
70°	1082
75°	1030
80°	931
85°	885

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1555 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.7	8.7
10°-20°	72.9	9.3
20°-30°	67.9	8.6
30°-40°	66.8	8.5
40°-50°	66.6	8.5
50°-60°	66.3	8.4
60°-70°	63.9	8.1
70°-80°	58.1	7.4
80°-90°	48.4	6.1
90°-100°	46.3	5.9
100°-110°	43.4	5.5
110°-120°	38.0	4.8
120°-130°	31.1	3.9
130°-140°	23.1	2.9
140°-150°	14.9	1.9
150°-160°	7.7	1.0
160°-170°	2.7	0.3
170°-180°	0.3	0.0
0°-30°	209.4	26.6
0°-40°	276.3	35.1
0°-60°	409.2	52.0
0°-90°	579.5	73.6
90°-120°	127.7	16.2
90°-150°	196.9	25.0
90°-180°	208.0	26.4
0°-180°	787.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	663	
5°	736	69
15°	189	73
25°	149	68
35°	106	67
45°	87	67
55°	74	66
65°	64	64
75°	55	58
85°	44	37
90°	43	23
95°	43	35
105°	41	43
115°	38	38
125°	34	31
135°	30	23
145°	24	15
155°	17	8
165°	8	3
175°	1	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	662.7
2.5°	684.0
5°	736.5
7.5°	728.0
10°	715.2
12.5°	306.5
15°	188.7
17.5°	178.8
20°	168.9
22.5°	160.4
25°	149.0
27.5°	136.2
30°	123.5
32.5°	113.5
35°	106.4
37.5°	99.3
40°	93.7
42.5°	89.4
45°	86.6
47.5°	82.3
50°	79.5
52.5°	76.6
55°	73.8
57.5°	71.0
60°	69.5
62.5°	66.7
65°	63.9
67.5°	62.4
70°	59.6
72.5°	58.2
75°	55.3
77.5°	52.5
80°	48.3
82.5°	45.4
85°	44.0
87.5°	42.6
90°	42.6
92.5°	42.6
95°	42.6
97.5°	42.6
100°	41.2
102.5°	41.2
105°	41.2
107.5°	41.2
110°	39.7



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	39.7
115°	38.3
117.5°	36.9
120°	36.9
122.5°	35.5
125°	34.1
127.5°	34.1
130°	32.6
132.5°	31.2
135°	29.8
137.5°	28.4
140°	27.0
142.5°	25.5
145°	24.1
147.5°	21.3
150°	19.9
152.5°	18.4
155°	17.0
157.5°	14.2
160°	12.8
162.5°	11.4
165°	8.5
167.5°	7.1
170°	5.7
172.5°	2.8
175°	1.4
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	9.5	10.6	10.2	11.3	12.2	9.5	10.6	10.2	11.3	12.2
	3H	11.8	12.8	12.5	13.6	14.5	11.8	12.8	12.5	13.6	14.5
	4H	12.8	13.8	13.6	14.6	15.5	12.8	13.8	13.6	14.6	15.5
	6H	13.8	14.7	14.6	15.5	16.4	13.8	14.7	14.6	15.5	16.4
	8H	14.2	15.1	15.0	15.9	16.9	14.2	15.1	15.0	15.9	16.9
	12H	14.7	15.5	15.4	16.3	17.3	14.7	15.5	15.4	16.3	17.3
4H	2H	10.1	11.0	10.8	11.8	12.7	10.1	11.0	10.8	11.8	12.7
	3H	12.6	13.4	13.3	14.2	15.2	12.6	13.4	13.3	14.2	15.2
	4H	13.8	14.6	14.6	15.4	16.4	13.8	14.6	14.6	15.4	16.4
	6H	14.9	15.6	15.7	16.4	17.4	14.9	15.6	15.7	16.4	17.4
	8H	15.4	16.1	16.2	16.9	17.9	15.4	16.1	16.2	16.9	17.9
	12H	16.0	16.5	16.8	17.4	18.4	16.0	16.5	16.8	17.4	18.4
8H	4H	14.2	14.8	15.0	15.7	16.7	14.2	14.8	15.0	15.7	16.7
	6H	15.5	16.0	16.3	16.9	17.9	15.5	16.0	16.3	16.9	17.9
	8H	16.1	16.6	17.0	17.5	18.5	16.1	16.6	17.0	17.5	18.5
	12H	16.8	17.2	17.6	18.1	19.2	16.8	17.2	17.6	18.1	19.2
12H	4H	14.2	14.8	15.1	15.7	16.7	14.2	14.8	15.1	15.7	16.7
	6H	15.6	16.1	16.5	17.0	18.0	15.6	16.1	16.5	17.0	18.0
	8H	16.3	16.8	17.2	17.6	18.7	16.3	16.8	17.2	17.6	18.7

(END OF REPORT)