

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: P1245017

Luminaire Tested: PRLX-NIM-L-927-16L-U-NR

Issue Date: 1/30/2026

**Test Information**

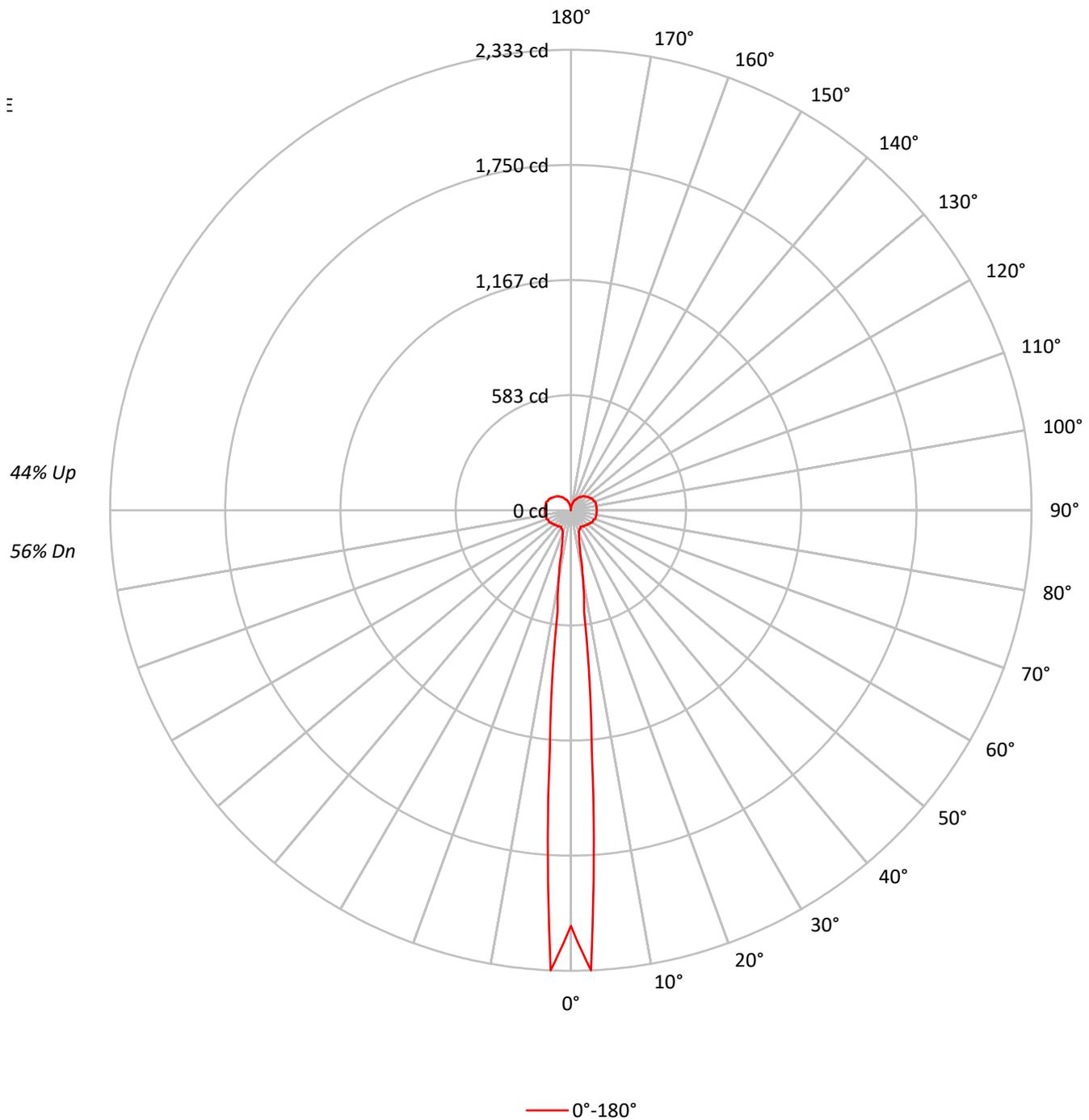
Test Method: LM-79-2019  
Report Number: P1245017  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-L-927-16L-U-NR  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE  
LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1520.9 lumens  
Efficiency: N/A  
Efficacy: 39.2 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): 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

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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°	66582
5°	30147
10°	7178
15°	2846
20°	1803
25°	1442
30°	1236
35°	1147
40°	1150
45°	1092
50°	1112
55°	1139
60°	1174
65°	1155
70°	1206
75°	1205
80°	1213
85°	1230

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1258 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.2	5.9
10°-20°	50.7	3.3
20°-30°	49.3	3.2
30°-40°	63.2	4.2
40°-50°	83.0	5.5
50°-60°	104.2	6.8
60°-70°	124.1	8.2
70°-80°	138.3	9.1
80°-90°	142.6	9.4
90°-100°	142.6	9.4
100°-110°	138.3	9.1
110°-120°	123.3	8.1
120°-130°	101.2	6.7
130°-140°	77.3	5.1
140°-150°	52.1	3.4
150°-160°	28.6	1.9
160°-170°	11.5	0.8
170°-180°	1.4	0.1
0°-30°	189.2	12.4
0°-40°	252.5	16.6
0°-60°	439.6	28.9
0°-90°	844.6	55.5
90°-120°	404.2	26.6
90°-150°	634.8	41.7
90°-180°	676.0	44.4
0°-180°	1520.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2105	
5°	1222	89
15°	163	51
25°	105	49
35°	98	63
45°	105	83
55°	118	104
65°	124	124
75°	131	138
85°	131	107
90°	131	72
95°	131	107
105°	131	138
115°	124	123
125°	111	101
135°	98	77
145°	85	52
155°	59	29
165°	39	11
175°	6	1
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2104.6
2.5°	2333.3
5°	1222.2
7.5°	516.3
10°	352.9
12.5°	222.2
15°	163.4
17.5°	137.3
20°	117.6
22.5°	111.1
25°	104.6
27.5°	104.6
30°	98.0
32.5°	98.0
35°	98.0
37.5°	104.6
40°	104.6
42.5°	104.6
45°	104.6
47.5°	111.1
50°	111.1
52.5°	111.1
55°	117.6
57.5°	117.6
60°	124.2
62.5°	124.2
65°	124.2
67.5°	124.2
70°	130.7
72.5°	130.7
75°	130.7
77.5°	130.7
80°	130.7
82.5°	130.7
85°	130.7
87.5°	130.7
90°	130.7
92.5°	130.7
95°	130.7
97.5°	130.7
100°	130.7
102.5°	130.7
105°	130.7
107.5°	130.7
110°	130.7



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	124.2
115°	124.2
117.5°	124.2
120°	117.6
122.5°	117.6
125°	111.1
127.5°	111.1
130°	104.6
132.5°	104.6
135°	98.0
137.5°	98.0
140°	91.5
142.5°	85.0
145°	85.0
147.5°	78.4
150°	71.9
152.5°	65.4
155°	58.8
157.5°	58.8
160°	52.3
162.5°	45.8
165°	39.2
167.5°	32.7
170°	26.1
172.5°	19.6
175°	6.5
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	7.9	8.9	8.8	9.9	11.0	7.9	8.9	8.8	9.9	11.0
	3H	11.0	11.9	11.9	12.8	14.1	11.0	11.9	11.9	12.8	14.1
	4H	12.5	13.4	13.4	14.3	15.5	12.5	13.4	13.4	14.3	15.5
	6H	13.9	14.7	14.8	15.7	16.9	13.9	14.7	14.8	15.7	16.9
	8H	14.6	15.4	15.5	16.4	17.6	14.6	15.4	15.5	16.4	17.6
	12H	15.2	16.0	16.2	17.0	18.2	15.2	16.0	16.2	17.0	18.2
4H	2H	8.7	9.6	9.6	10.5	11.8	8.7	9.6	9.6	10.5	11.8
	3H	12.0	12.8	12.9	13.7	14.9	12.0	12.8	12.9	13.7	14.9
	4H	13.6	14.3	14.5	15.3	16.5	13.6	14.3	14.5	15.3	16.5
	6H	15.2	15.8	16.1	16.8	18.1	15.2	15.8	16.1	16.8	18.1
	8H	16.0	16.6	16.9	17.5	18.8	16.0	16.6	16.9	17.5	18.8
	12H	16.7	17.3	17.7	18.3	19.5	16.7	17.3	17.7	18.3	19.5
8H	4H	14.1	14.7	15.1	15.7	17.0	14.1	14.7	15.1	15.7	17.0
	6H	15.9	16.4	16.9	17.4	18.7	15.9	16.4	16.9	17.4	18.7
	8H	16.8	17.3	17.8	18.3	19.6	16.8	17.3	17.8	18.3	19.6
	12H	17.8	18.2	18.7	19.2	20.5	17.8	18.2	18.7	19.2	20.5
12H	4H	14.2	14.8	15.2	15.8	17.0	14.2	14.8	15.2	15.8	17.0
	6H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9
	8H	17.1	17.5	18.1	18.5	19.8	17.1	17.5	18.1	18.5	19.8

(END OF REPORT)