

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: P1244885

Luminaire Tested: PRLX-MIN-M-927-04L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244885  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-MIN-M-927-04L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

**Summary**

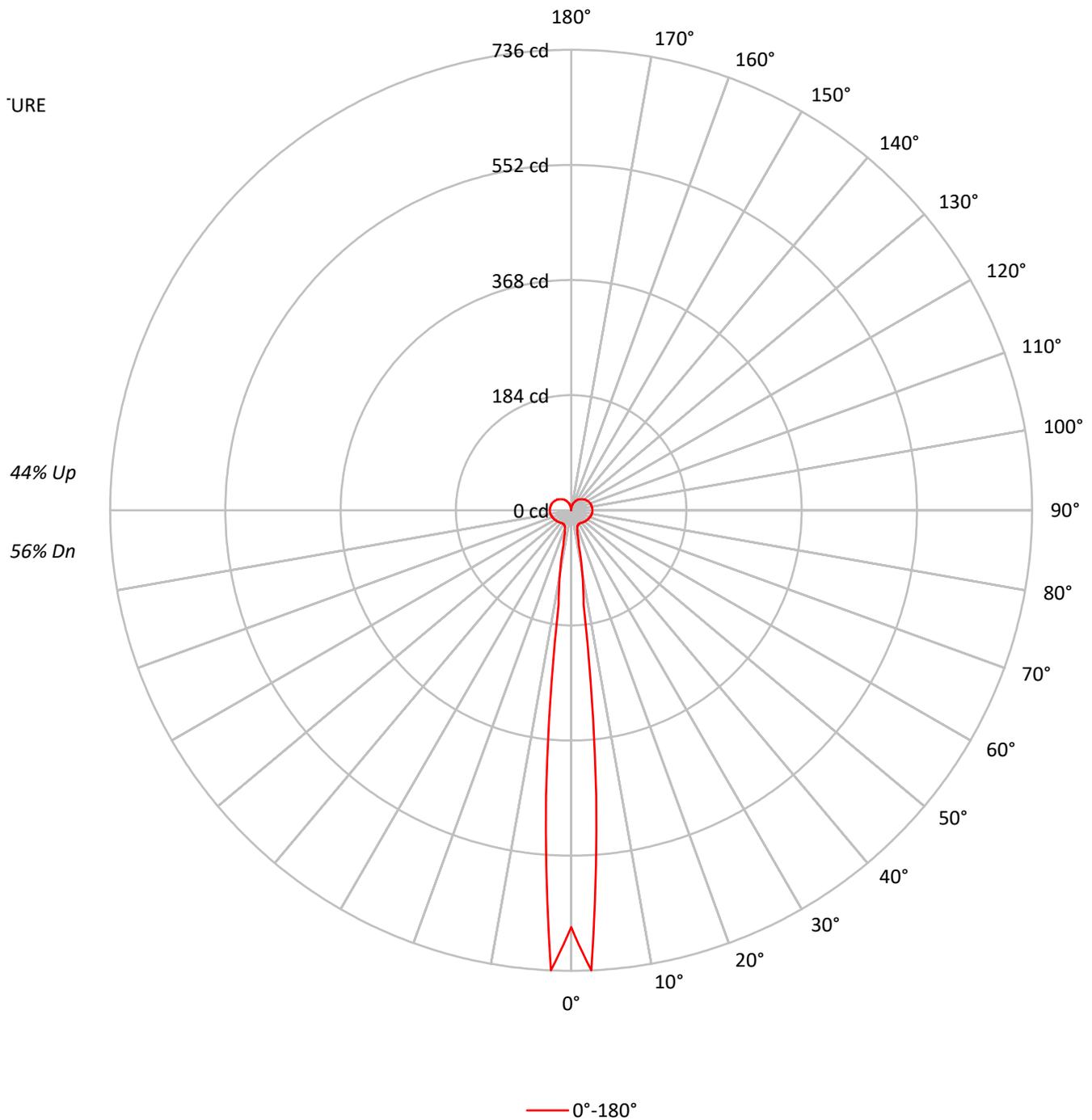
Lumens per Lamp: N/A  
Luminaire Lumens: 391.9 lumens  
Efficiency: N/A  
Efficacy: 24.2 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')  
CIE Type: General Diffuse

Input Watts (W): 16.2  
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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	95	89	84	79	88	82	78	73	70	66	63		59	56	53		48	46	44	39
2	86	76	69	62	79	71	64	58	60	55	50		50	46	42		41	38	35	31
3	78	67	58	51	71	62	54	48	52	46	41		44	39	35		36	32	29	25
4	71	59	50	43	65	55	47	41	47	40	35		39	34	30		32	28	25	22
5	66	53	44	37	60	49	41	35	42	36	31		36	31	27		29	26	22	19
6	61	48	39	33	56	45	37	31	38	32	27		33	28	24		27	23	20	17
7	57	44	35	29	52	41	33	28	35	29	25		30	25	22		25	21	19	16
8	53	40	32	27	49	38	30	25	33	27	22		28	23	20		24	20	17	15
9	50	37	29	24	46	35	28	23	31	25	21		26	22	18		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	20	17		21	18	15	13

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

	0°
0°	34141
5°	17257
10°	3091
15°	983
20°	616
25°	500
30°	435
35°	400
40°	387
45°	378
50°	373
55°	372
60°	373
65°	377
70°	384
75°	392
80°	399
85°	408

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 415 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.3	7.5
10°-20°	12.8	3.3
20°-30°	12.1	3.1
30°-40°	15.9	4.1
40°-50°	20.9	5.3
50°-60°	26.0	6.6
60°-70°	30.8	7.9
70°-80°	34.8	8.9
80°-90°	36.9	9.4
90°-100°	36.9	9.4
100°-110°	34.9	8.9
110°-120°	31.2	8.0
120°-130°	25.7	6.6
130°-140°	19.5	5.0
140°-150°	13.3	3.4
150°-160°	7.5	1.9
160°-170°	3.0	0.8
170°-180°	0.3	0.1
0°-30°	54.2	13.8
0°-40°	70.2	17.9
0°-60°	117.2	29.9
0°-90°	219.6	56.0
90°-120°	103.1	26.3
90°-150°	161.5	41.2
90°-180°	172.0	43.9
0°-180°	391.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	666	
5°	458	29
15°	39	13
25°	26	12
35°	25	16
45°	27	21
55°	29	26
65°	31	31
75°	33	35
85°	34	28
90°	34	19
95°	34	28
105°	33	35
115°	32	31
125°	28	26
135°	25	19
145°	21	13
155°	16	7
165°	10	3
175°	1	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	666.2
2.5°	736.0
5°	458.2
7.5°	151.9
10°	103.2
12.5°	56.5
15°	39.3
17.5°	32.4
20°	28.5
22.5°	27.0
25°	26.1
27.5°	25.1
30°	25.1
32.5°	25.1
35°	25.1
37.5°	25.6
40°	26.1
42.5°	26.5
45°	27.0
47.5°	27.5
50°	28.0
52.5°	28.5
55°	29.0
57.5°	29.5
60°	30.0
62.5°	30.5
65°	31.0
67.5°	31.5
70°	32.0
72.5°	32.4
75°	32.9
77.5°	33.4
80°	33.4
82.5°	33.9
85°	33.9
87.5°	33.9
90°	33.9
92.5°	33.9
95°	33.9
97.5°	33.9
100°	33.4
102.5°	33.4
105°	32.9
107.5°	32.9
110°	32.4

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	32.0
115°	31.5
117.5°	31.0
120°	30.0
122.5°	29.5
125°	28.5
127.5°	28.0
130°	27.0
132.5°	26.1
135°	25.1
137.5°	24.1
140°	23.1
142.5°	22.1
145°	21.1
147.5°	20.2
150°	18.7
152.5°	17.2
155°	16.2
157.5°	14.7
160°	13.3
162.5°	12.3
165°	10.3
167.5°	8.4
170°	5.9
172.5°	3.4
175°	1.0
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	3.9	5.0	4.8	5.9	7.1	3.9	5.0	4.8	5.9	7.1
	3H	7.0	7.9	7.9	8.9	10.1	7.0	7.9	7.9	8.9	10.1
	4H	8.5	9.4	9.4	10.3	11.5	8.5	9.4	9.4	10.3	11.5
	6H	10.0	10.8	10.9	11.7	13.0	10.0	10.8	10.9	11.7	13.0
	8H	10.7	11.5	11.6	12.4	13.6	10.7	11.5	11.6	12.4	13.6
	12H	11.3	12.1	12.3	13.1	14.3	11.3	12.1	12.3	13.1	14.3
4H	2H	4.7	5.6	5.6	6.6	7.8	4.7	5.6	5.6	6.6	7.8
	3H	7.9	8.7	8.9	9.7	10.9	7.9	8.7	8.9	9.7	10.9
	4H	9.6	10.3	10.5	11.3	12.5	9.6	10.3	10.5	11.3	12.5
	6H	11.2	11.9	12.2	12.9	14.1	11.2	11.9	12.2	12.9	14.1
	8H	12.0	12.6	13.0	13.6	14.9	12.0	12.6	13.0	13.6	14.9
	12H	12.8	13.4	13.8	14.4	15.6	12.8	13.4	13.8	14.4	15.6
8H	4H	10.1	10.7	11.1	11.7	13.0	10.1	10.7	11.1	11.7	13.0
	6H	12.0	12.5	12.9	13.5	14.8	12.0	12.5	12.9	13.5	14.8
	8H	12.9	13.4	13.9	14.4	15.7	12.9	13.4	13.9	14.4	15.7
	12H	13.9	14.3	14.9	15.3	16.6	13.9	14.3	14.9	15.3	16.6
12H	4H	10.2	10.8	11.2	11.8	13.0	10.2	10.8	11.2	11.8	13.0
	6H	12.1	12.6	13.1	13.6	14.9	12.1	12.6	13.1	13.6	14.9
	8H	13.2	13.6	14.2	14.6	15.9	13.2	13.6	14.2	14.6	15.9

(END OF REPORT)