

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: P1245002

Luminaire Tested: PRLX-NIM-L-927-02L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245002
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-927-02L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

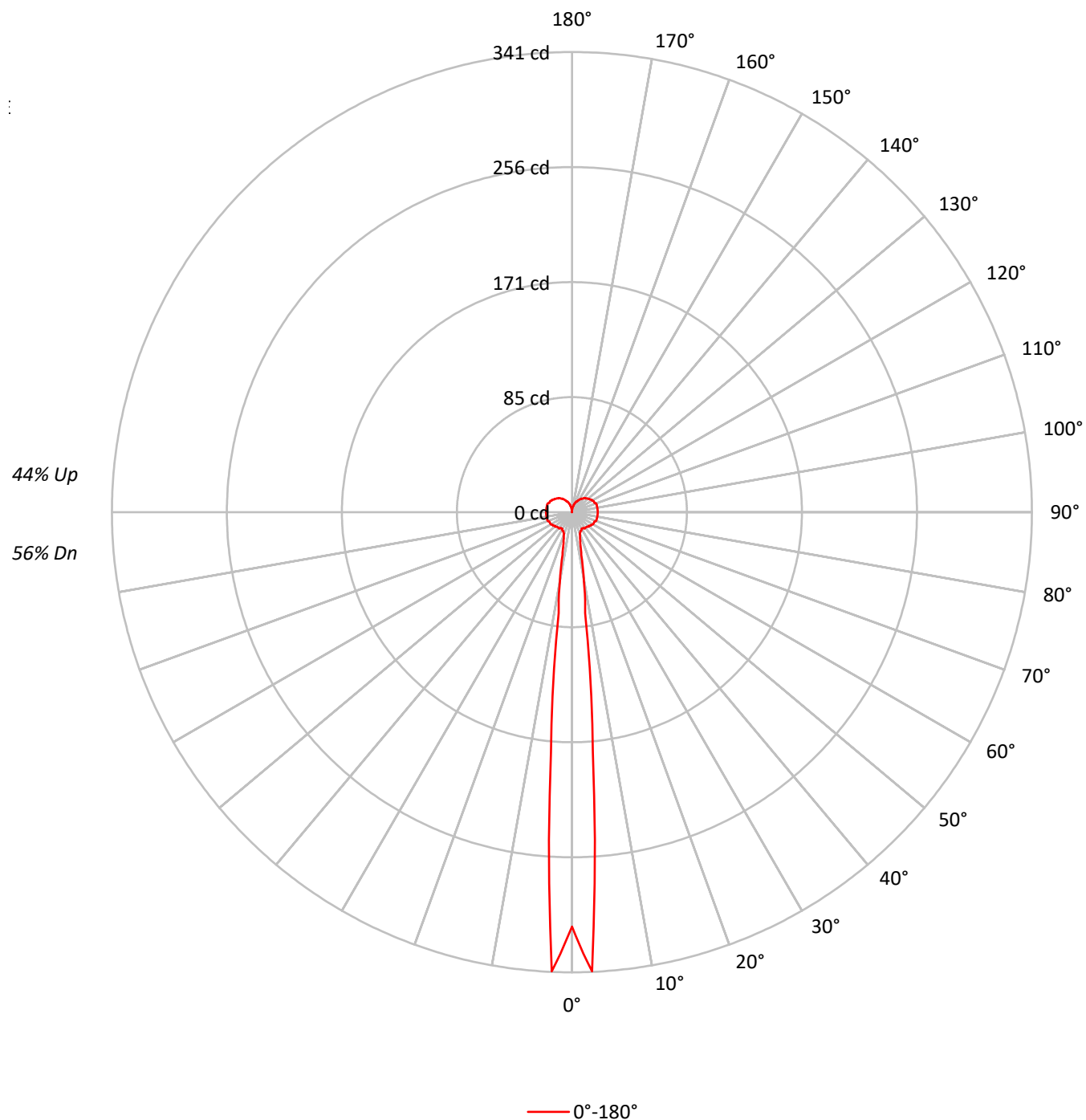
Lumens per Lamp: N/A
Luminaire Lumens: 222.1 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10	
RCR																						
0	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	
1	95	89	83	78		87	82	77	73		70	66	62		58	55	53		48	45	43	
2	85	76	68	61		78	70	63	57		59	54	49		49	45	42		40	37	34	
3	77	66	57	50		71	61	53	47		52	45	40		43	38	34		35	31	28	
4	71	58	49	42		65	54	46	40		46	39	34		38	33	29		31	27	24	
5	65	52	43	36		60	48	40	34		41	35	30		34	29	25		28	24	21	
6	60	47	38	32		55	44	36	30		37	31	26		31	26	22		26	22	19	
7	56	43	34	28		51	40	32	27		34	28	23		29	24	20		24	20	17	
8	52	39	31	25		48	36	29	24		32	25	21		27	22	18		23	19	16	
9	49	36	28	23		45	34	27	22		29	23	19		25	20	17		21	17	15	
10	46	33	26	21		43	31	25	20		27	22	18		24	19	16		20	16	14	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	9719
5°	4400
10°	1047
15°	415
20°	264
25°	211
30°	180
35°	167
40°	168
45°	160
50°	162
55°	167
60°	171
65°	168
70°	176
75°	176
80°	177
85°	180

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 184 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	5.9
10°-20°	7.4	3.3
20°-30°	7.2	3.2
30°-40°	9.2	4.2
40°-50°	12.1	5.5
50°-60°	15.2	6.8
60°-70°	18.1	8.1
70°-80°	20.2	9.1
80°-90°	20.8	9.4
90°-100°	20.8	9.4
100°-110°	20.2	9.1
110°-120°	18.0	8.1
120°-130°	14.8	6.7
130°-140°	11.3	5.1
140°-150°	7.6	3.4
150°-160°	4.2	1.9
160°-170°	1.7	0.8
170°-180°	0.2	0.1
0°-30°	27.6	12.4
0°-40°	36.9	16.6
0°-60°	64.2	28.9
0°-90°	123.3	55.5
90°-120°	59.0	26.6
90°-150°	92.7	41.7
90°-180°	99.0	44.6
0°-180°	222.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	307	
5°	178	13
15°	24	7
25°	15	7
35°	14	9
45°	15	12
55°	17	15
65°	18	18
75°	19	20
85°	19	16
90°	19	10
95°	19	16
105°	19	20
115°	18	18
125°	16	15
135°	14	11
145°	12	8
155°	9	4
165°	6	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	307.2
2.5°	340.6
5°	178.4
7.5°	75.4
10°	51.5
12.5°	32.4
15°	23.8
17.5°	20.0
20°	17.2
22.5°	16.2
25°	15.3
27.5°	15.3
30°	14.3
32.5°	14.3
35°	14.3
37.5°	15.3
40°	15.3
42.5°	15.3
45°	15.3
47.5°	16.2
50°	16.2
52.5°	16.2
55°	17.2
57.5°	17.2
60°	18.1
62.5°	18.1
65°	18.1
67.5°	18.1
70°	19.1
72.5°	19.1
75°	19.1
77.5°	19.1
80°	19.1
82.5°	19.1
85°	19.1
87.5°	19.1
90°	19.1
92.5°	19.1
95°	19.1
97.5°	19.1
100°	19.1
102.5°	19.1
105°	19.1
107.5°	19.1
110°	19.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	18.1
115°	18.1
117.5°	18.1
120°	17.2
122.5°	17.2
125°	16.2
127.5°	16.2
130°	15.3
132.5°	15.3
135°	14.3
137.5°	14.3
140°	13.4
142.5°	12.4
145°	12.4
147.5°	11.4
150°	10.5
152.5°	9.5
155°	8.6
157.5°	8.6
160°	7.6
162.5°	6.7
165°	5.7
167.5°	4.8
170°	3.8
172.5°	2.9
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	1.2	2.3	2.1	3.2	4.4	1.2	2.3	2.1	3.2	4.4
	3H	4.3	5.2	5.2	6.2	7.4	4.3	5.2	5.2	6.2	7.4
	4H	5.8	6.7	6.7	7.6	8.8	5.8	6.7	6.7	7.6	8.8
	6H	7.2	8.1	8.1	9.0	10.2	7.2	8.1	8.1	9.0	10.2
	8H	7.9	8.7	8.8	9.7	10.9	7.9	8.7	8.8	9.7	10.9
	12H	8.6	9.3	9.5	10.3	11.5	8.6	9.3	9.5	10.3	11.5
4H	2H	2.0	2.9	2.9	3.9	5.1	2.0	2.9	2.9	3.9	5.1
	3H	5.3	6.1	6.2	7.0	8.3	5.3	6.1	6.2	7.0	8.3
	4H	6.9	7.6	7.8	8.6	9.8	6.9	7.6	7.8	8.6	9.8
	6H	8.5	9.2	9.4	10.1	11.4	8.5	9.2	9.4	10.1	11.4
	8H	9.3	9.9	10.2	10.9	12.1	9.3	9.9	10.2	10.9	12.1
	12H	10.0	10.6	11.0	11.6	12.9	10.0	10.6	11.0	11.6	12.9
8H	4H	7.4	8.0	8.4	9.0	10.3	7.4	8.0	8.4	9.0	10.3
	6H	9.2	9.8	10.2	10.8	12.0	9.2	9.8	10.2	10.8	12.0
	8H	10.1	10.6	11.1	11.6	12.9	10.1	10.6	11.1	11.6	12.9
	12H	11.1	11.5	12.1	12.5	13.8	11.1	11.5	12.1	12.5	13.8
12H	4H	7.5	8.1	8.5	9.1	10.4	7.5	8.1	8.5	9.1	10.4
	6H	9.4	9.9	10.4	10.9	12.2	9.4	9.9	10.4	10.9	12.2
	8H	10.4	10.8	11.4	11.8	13.1	10.4	10.8	11.4	11.8	13.1

(END OF REPORT)