

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: P1245212

Luminaire Tested: PRLX-NIM-S-927-05L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245212
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-927-05L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

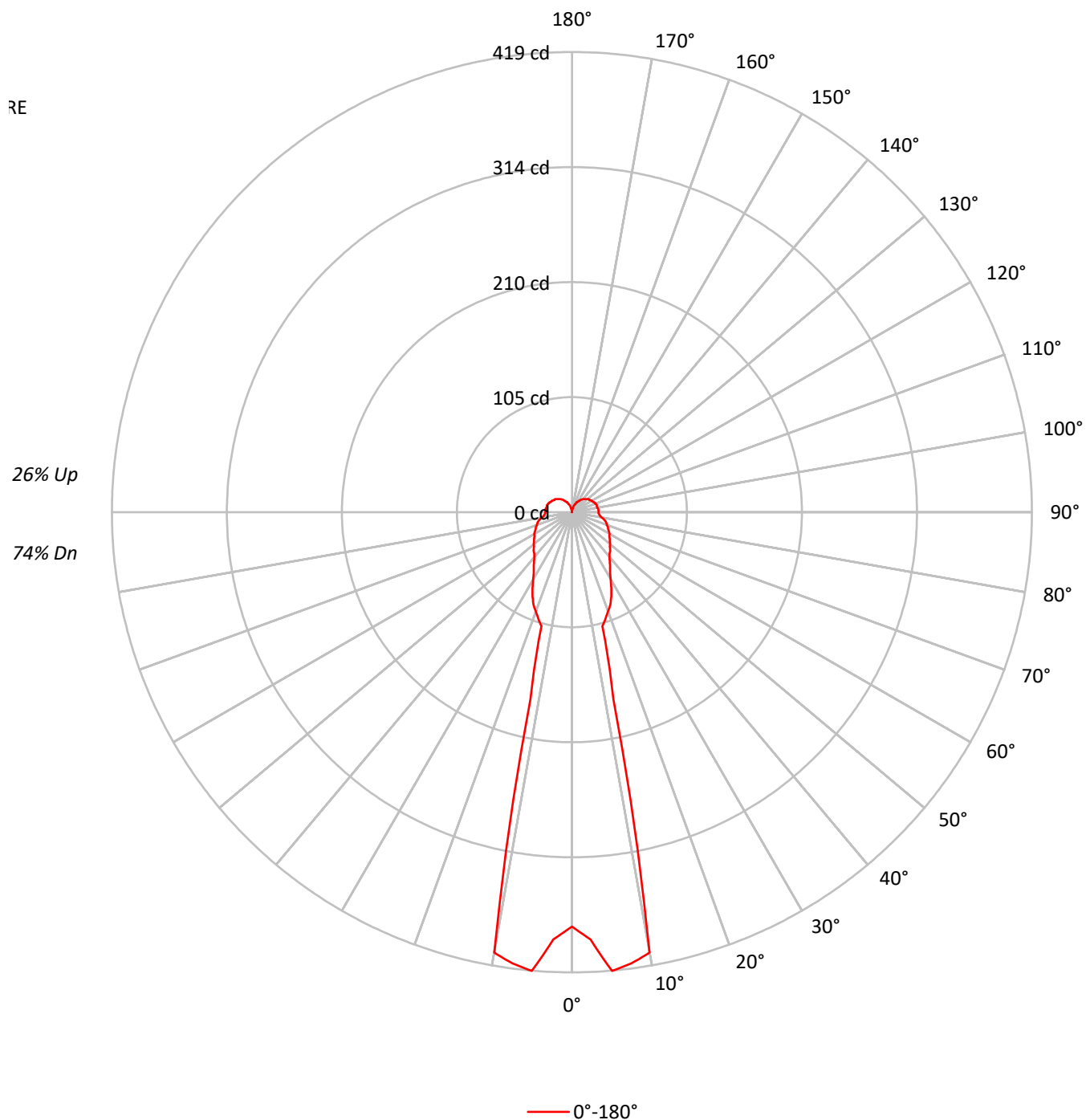
Lumens per Lamp: N/A
Luminaire Lumens: 447.9 lumens
Efficiency: N/A
Efficacy: 40.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 11.1
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
RCR																	
0	113	113	113	113	107	107	107	107	96	96	96		87	87	87		78
1	101	96	91	87	96	91	87	83	82	79	76		74	71	69		66
2	92	84	77	71	87	80	73	68	72	67	63		65	61	57		58
3	85	74	66	60	80	71	64	58	64	58	53		58	53	49		52
4	78	67	58	52	74	64	56	50	58	52	47		52	47	43		47
5	72	60	52	46	69	58	50	44	53	46	41		48	43	39		44
6	68	55	47	41	64	53	45	40	48	42	37		44	39	35		41
7	63	51	43	37	60	49	41	36	45	39	34		41	36	32		38
8	59	47	39	34	56	45	38	33	42	36	31		39	33	30		36
9	56	44	36	31	53	42	35	30	39	33	29		36	31	28		34
10	53	41	34	29	51	40	33	28	37	31	27		34	29	26		32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11936
5°	11779
10°	10358
15°	2513
20°	2097
25°	1746
30°	1380
35°	1145
40°	978
45°	885
50°	801
55°	740
60°	699
65°	649
70°	615
75°	586
80°	530
85°	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 885 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	8.7
10°-20°	41.5	9.3
20°-30°	38.6	8.6
30°-40°	38.0	8.5
40°-50°	37.9	8.5
50°-60°	37.7	8.4
60°-70°	36.4	8.1
70°-80°	33.1	7.4
80°-90°	27.5	6.1
90°-100°	26.3	5.9
100°-110°	24.7	5.5
110°-120°	21.7	4.8
120°-130°	17.7	3.9
130°-140°	13.2	2.9
140°-150°	8.5	1.9
150°-160°	4.4	1.0
160°-170°	1.5	0.3
170°-180°	0.1	0.0
0°-30°	119.2	26.6
0°-40°	157.3	35.1
0°-60°	232.9	52.0
0°-90°	329.9	73.6
90°-120°	72.6	16.2
90°-150°	112.0	25.0
90°-180°	118.0	26.3
0°-180°	447.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	377	
5°	419	39
15°	107	41
25°	85	39
35°	61	38
45°	49	38
55°	42	38
65°	36	36
75°	32	33
85°	25	21
90°	24	13
95°	24	20
105°	23	25
115°	22	22
125°	19	18
135°	17	13
145°	14	8
155°	10	4
165°	5	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	377.3
2.5°	389.4
5°	419.3
7.5°	414.4
10°	407.2
12.5°	174.5
15°	107.4
17.5°	101.8
20°	96.1
22.5°	91.3
25°	84.8
27.5°	77.6
30°	70.3
32.5°	64.6
35°	60.6
37.5°	56.5
40°	53.3
42.5°	50.9
45°	49.3
47.5°	46.9
50°	45.2
52.5°	43.6
55°	42.0
57.5°	40.4
60°	39.6
62.5°	38.0
65°	36.4
67.5°	35.5
70°	33.9
72.5°	33.1
75°	31.5
77.5°	29.9
80°	27.5
82.5°	25.9
85°	25.0
87.5°	24.2
90°	24.2
92.5°	24.2
95°	24.2
97.5°	24.2
100°	23.4
102.5°	23.4
105°	23.4
107.5°	23.4
110°	22.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	22.6
115°	21.8
117.5°	21.0
120°	21.0
122.5°	20.2
125°	19.4
127.5°	19.4
130°	18.6
132.5°	17.8
135°	17.0
137.5°	16.2
140°	15.3
142.5°	14.5
145°	13.7
147.5°	12.1
150°	11.3
152.5°	10.5
155°	9.7
157.5°	8.1
160°	7.3
162.5°	6.5
165°	4.8
167.5°	4.0
170°	3.2
172.5°	1.6
175°	0.8
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	7.5	8.6	8.2	9.4	10.3	7.5	8.6	8.2	9.4	10.3
	3H	9.8	10.9	10.5	11.6	12.5	9.8	10.9	10.5	11.6	12.5
	4H	10.9	11.9	11.6	12.6	13.6	10.9	11.9	11.6	12.6	13.6
	6H	11.9	12.8	12.6	13.5	14.5	11.9	12.8	12.6	13.5	14.5
	8H	12.3	13.2	13.0	14.0	14.9	12.3	13.2	13.0	14.0	14.9
	12H	12.7	13.5	13.5	14.3	15.3	12.7	13.5	13.5	14.3	15.3
4H	2H	8.1	9.1	8.9	9.9	10.8	8.1	9.1	8.9	9.9	10.8
	3H	10.6	11.5	11.4	12.3	13.2	10.6	11.5	11.4	12.3	13.2
	4H	11.8	12.6	12.6	13.4	14.4	11.8	12.6	12.6	13.4	14.4
	6H	13.0	13.7	13.8	14.5	15.5	13.0	13.7	13.8	14.5	15.5
	8H	13.5	14.1	14.3	15.0	15.9	13.5	14.1	14.3	15.0	15.9
	12H	14.0	14.6	14.8	15.4	16.4	14.0	14.6	14.8	15.4	16.4
8H	4H	12.2	12.9	13.0	13.7	14.7	12.2	12.9	13.0	13.7	14.7
	6H	13.5	14.1	14.4	15.0	15.9	13.5	14.1	14.4	15.0	15.9
	8H	14.2	14.7	15.0	15.5	16.5	14.2	14.7	15.0	15.5	16.5
	12H	14.8	15.3	15.7	16.1	17.2	14.8	15.3	15.7	16.1	17.2
12H	4H	12.3	12.9	13.1	13.7	14.7	12.3	12.9	13.1	13.7	14.7
	6H	13.7	14.2	14.5	15.0	16.0	13.7	14.2	14.5	15.0	16.0
	8H	14.4	14.8	15.2	15.7	16.7	14.4	14.8	15.2	15.7	16.7

(END OF REPORT)