

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: P1244948

Luminaire Tested: PRLX-MIN-S-927-09L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-S-927-09L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

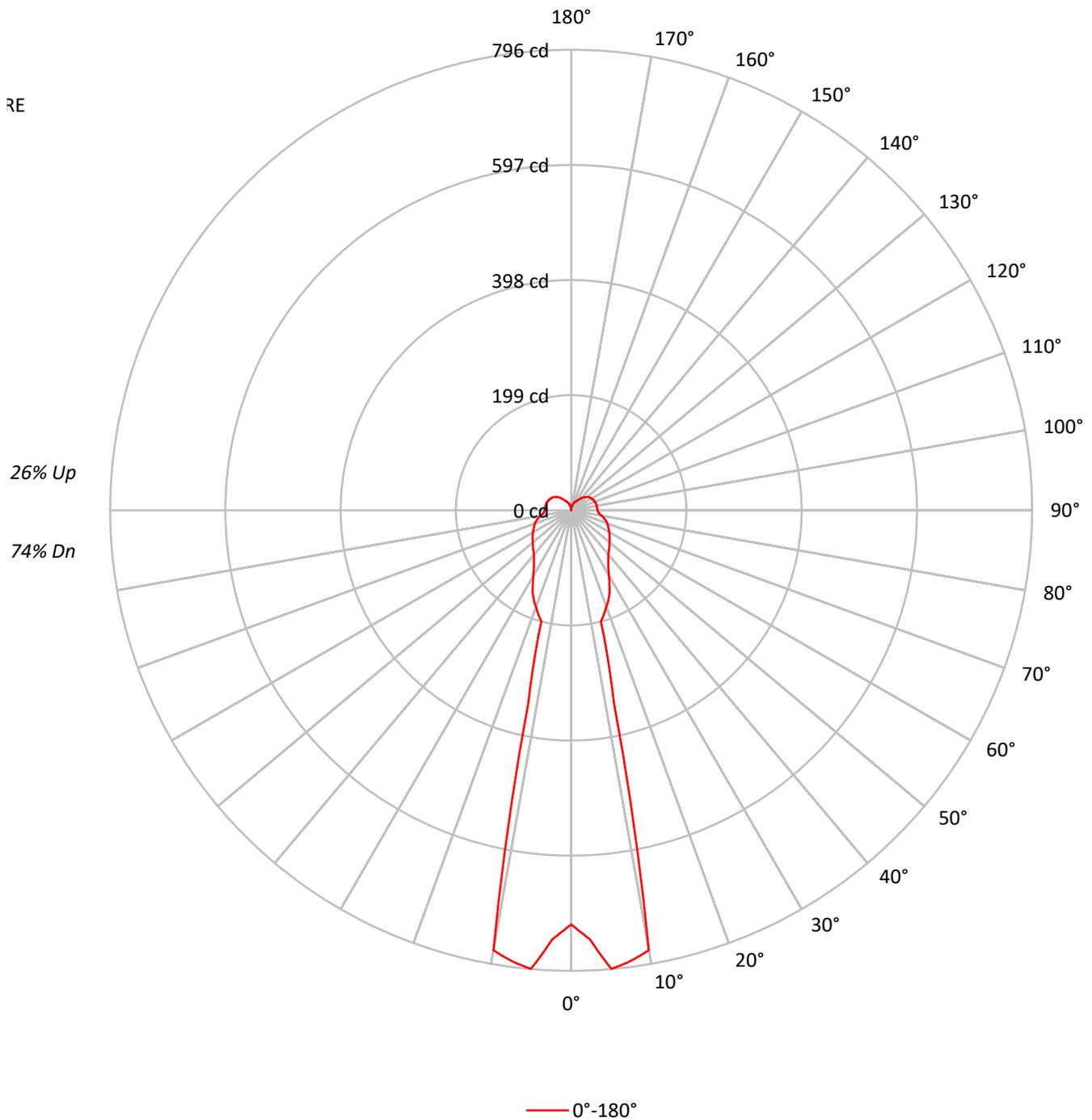
Lumens per Lamp: N/A
Luminaire Lumens: 848.0 lumens
Efficiency: N/A
Efficacy: 39.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P1244948

CATALOG NUMBER: PRLX-MIN-S-927-09L-U-NL

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	97	97	97		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	63	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	63	56	50	58	51	46		52	47	43		47	43	40	37
5	72	60	52	46	68	58	50	44	53	46	41		48	43	38		44	39	36	33
6	67	55	47	41	64	53	45	39	48	42	37		44	39	35		40	36	33	30
7	63	51	42	37	60	49	41	36	45	38	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	35	31		38	33	29		35	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		33	29	26	24
10	53	41	34	29	50	39	33	28	37	31	27		34	29	26		32	27	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19727
5°	19623
10°	17354
15°	4131
20°	3451
25°	2899
30°	2304
35°	1903
40°	1659
45°	1514
50°	1393
55°	1306
60°	1228
65°	1159
70°	1107
75°	1038
80°	951
85°	886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1514 cd/sqm



TEST NUMBER: P1244948

CATALOG NUMBER: PRLX-MIN-S-927-09L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	8.8
10°-20°	78.4	9.2
20°-30°	71.4	8.4
30°-40°	70.6	8.3
40°-50°	71.8	8.5
50°-60°	72.8	8.6
60°-70°	70.5	8.3
70°-80°	63.7	7.5
80°-90°	52.4	6.2
90°-100°	49.2	5.8
100°-110°	46.9	5.5
110°-120°	41.9	4.9
120°-130°	34.7	4.1
130°-140°	24.8	2.9
140°-150°	14.2	1.7
150°-160°	7.4	0.9
160°-170°	2.8	0.3
170°-180°	0.2	0.0
0°-30°	224.0	26.4
0°-40°	294.5	34.7
0°-60°	439.1	51.8
0°-90°	625.8	73.8
90°-120°	138.0	16.3
90°-150°	211.8	25.0
90°-180°	222.0	26.2
0°-180°	848.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	716	
5°	796	74
15°	199	78
25°	157	71
35°	112	71
45°	93	72
55°	81	73
65°	71	70
75°	60	64
85°	47	40
90°	46	25
95°	45	37
105°	44	47
115°	42	42
125°	39	35
135°	32	25
145°	22	14
155°	16	7
165°	10	3
175°	1	0
180°	0	

TEST NUMBER: P1244948

CATALOG NUMBER: PRLX-MIN-S-927-09L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	715.9
2.5°	741.9
5°	795.8
7.5°	786.0
10°	772.4
12.5°	341.7
15°	198.8
17.5°	188.4
20°	177.3
22.5°	168.2
25°	157.2
27.5°	142.9
30°	130.6
32.5°	119.5
35°	111.7
37.5°	105.2
40°	100.0
42.5°	96.1
45°	92.9
47.5°	89.6
50°	86.4
52.5°	83.8
55°	81.2
57.5°	78.6
60°	76.0
62.5°	73.4
65°	70.8
67.5°	68.9
70°	66.3
72.5°	63.7
75°	60.4
77.5°	57.2
80°	53.3
82.5°	49.4
85°	47.4
87.5°	46.1
90°	45.5
92.5°	45.5
95°	44.8
97.5°	44.8
100°	44.8
102.5°	44.8
105°	44.2
107.5°	44.2
110°	43.5

TEST NUMBER: P1244948

CATALOG NUMBER: PRLX-MIN-S-927-09L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	42.9
115°	42.2
117.5°	41.6
120°	40.9
122.5°	39.6
125°	39.0
127.5°	37.7
130°	35.7
132.5°	34.4
135°	31.8
137.5°	29.9
140°	27.3
142.5°	24.7
145°	22.1
147.5°	20.1
150°	18.8
152.5°	17.5
155°	15.6
157.5°	14.3
160°	13.0
162.5°	11.7
165°	9.7
167.5°	7.8
170°	5.2
172.5°	2.6
175°	0.6
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	9.6	10.8	10.3	11.5	12.4	9.6	10.8	10.3	11.5	12.4
	3H	11.9	13.0	12.6	13.7	14.6	11.9	13.0	12.6	13.7	14.6
	4H	13.0	14.0	13.7	14.7	15.7	13.0	14.0	13.7	14.7	15.7
	6H	13.9	14.9	14.7	15.6	16.6	13.9	14.9	14.7	15.6	16.6
	8H	14.4	15.2	15.1	16.0	17.0	14.4	15.2	15.1	16.0	17.0
	12H	14.8	15.6	15.5	16.4	17.4	14.8	15.6	15.5	16.4	17.4
4H	2H	10.2	11.2	10.9	12.0	12.9	10.2	11.2	10.9	12.0	12.9
	3H	12.7	13.6	13.5	14.4	15.3	12.7	13.6	13.5	14.4	15.3
	4H	13.9	14.7	14.7	15.5	16.5	13.9	14.7	14.7	15.5	16.5
	6H	15.1	15.8	15.9	16.6	17.6	15.1	15.8	15.9	16.6	17.6
	8H	15.6	16.2	16.4	17.0	18.0	15.6	16.2	16.4	17.0	18.0
	12H	16.1	16.7	16.9	17.5	18.5	16.1	16.7	16.9	17.5	18.5
8H	4H	14.3	15.0	15.1	15.8	16.8	14.3	15.0	15.1	15.8	16.8
	6H	15.6	16.2	16.4	17.0	18.0	15.6	16.2	16.4	17.0	18.0
	8H	16.2	16.8	17.1	17.6	18.6	16.2	16.8	17.1	17.6	18.6
	12H	16.9	17.4	17.7	18.2	19.3	16.9	17.4	17.7	18.2	19.3
12H	4H	14.4	15.0	15.2	15.8	16.8	14.4	15.0	15.2	15.8	16.8
	6H	15.7	16.2	16.6	17.1	18.1	15.7	16.2	16.6	17.1	18.1
	8H	16.4	16.9	17.3	17.7	18.8	16.4	16.9	17.3	17.7	18.8

(END OF REPORT)