

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: P1244957

Luminaire Tested: PRLX-MIN-S-930-05L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244957
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-930-05L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

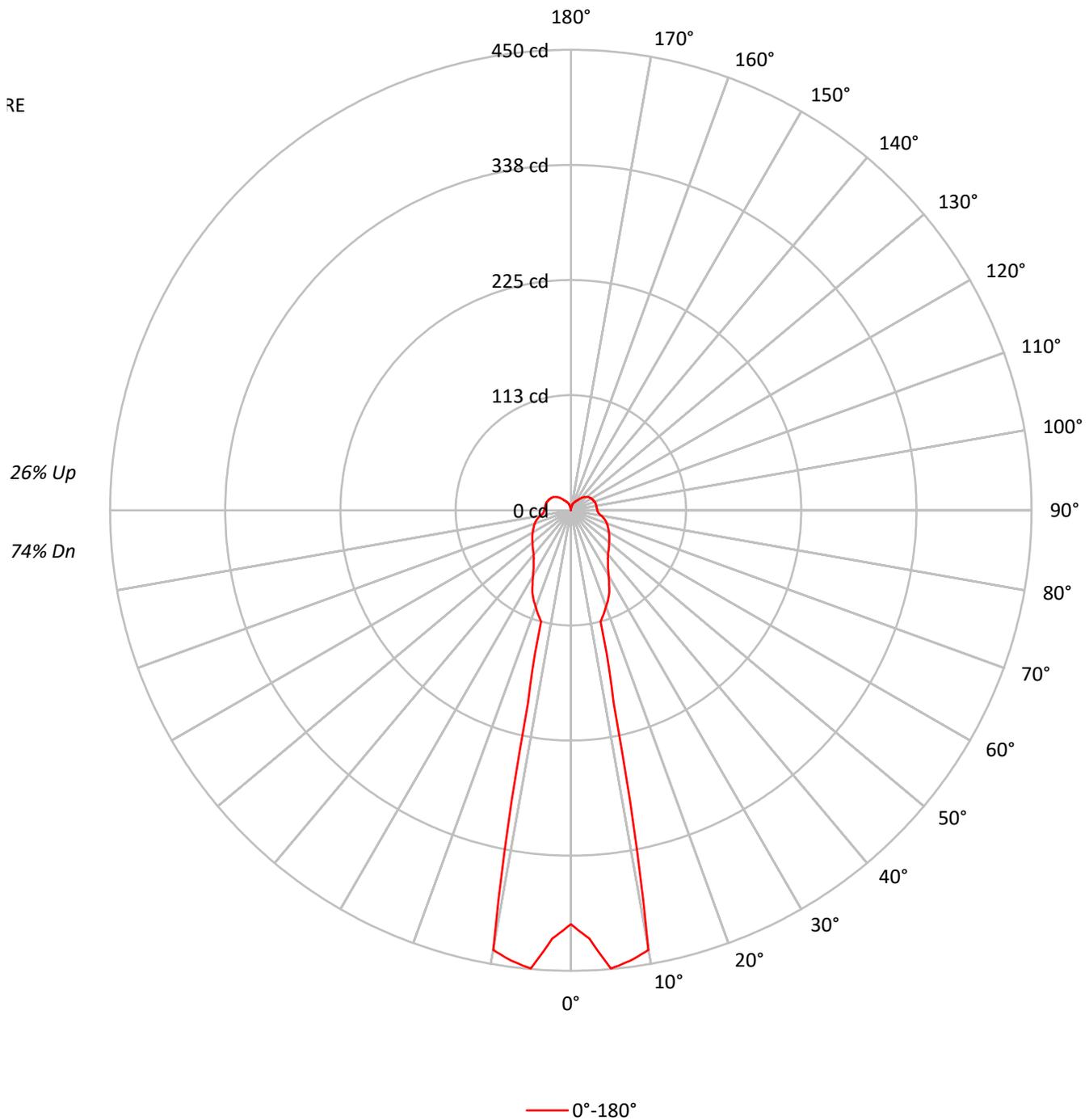
Lumens per Lamp: N/A
Luminaire Lumens: 479.0 lumens
Efficiency: N/A
Efficacy: 43.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 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

TEST NUMBER: P1244957

CATALOG NUMBER: PRLX-MIN-S-930-05L-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	66	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°	11143
5°	11084
10°	9803
15°	2333
20°	1950
25°	1637
30°	1302
35°	1075
40°	938
45°	855
50°	787
55°	738
60°	693
65°	655
70°	625
75°	586
80°	537
85°	501

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 855 cd/sqm



TEST NUMBER: P1244957

CATALOG NUMBER: PRLX-MIN-S-930-05L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	8.8
10°-20°	44.3	9.2
20°-30°	40.3	8.4
30°-40°	39.9	8.3
40°-50°	40.6	8.5
50°-60°	41.1	8.6
60°-70°	39.8	8.3
70°-80°	36.0	7.5
80°-90°	29.6	6.2
90°-100°	27.8	5.8
100°-110°	26.5	5.5
110°-120°	23.7	4.9
120°-130°	19.6	4.1
130°-140°	14.0	2.9
140°-150°	8.0	1.7
150°-160°	4.2	0.9
160°-170°	1.6	0.3
170°-180°	0.1	0.0
0°-30°	126.5	26.4
0°-40°	166.4	34.7
0°-60°	248.1	51.8
0°-90°	353.5	73.8
90°-120°	78.0	16.3
90°-150°	119.6	25.0
90°-180°	126.0	26.3
0°-180°	479.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	404	
5°	450	42
15°	112	44
25°	89	40
35°	63	40
45°	52	41
55°	46	41
65°	40	40
75°	34	36
85°	27	23
90°	26	14
95°	25	21
105°	25	27
115°	24	24
125°	22	20
135°	18	14
145°	12	8
155°	9	4
165°	6	2
175°	0	0
180°	0	

TEST NUMBER: P1244957

CATALOG NUMBER: PRLX-MIN-S-930-05L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	404.4
2.5°	419.0
5°	449.5
7.5°	444.0
10°	436.3
12.5°	193.0
15°	112.3
17.5°	106.4
20°	100.2
22.5°	95.0
25°	88.8
27.5°	80.7
30°	73.8
32.5°	67.5
35°	63.1
37.5°	59.4
40°	56.5
42.5°	54.3
45°	52.5
47.5°	50.6
50°	48.8
52.5°	47.3
55°	45.9
57.5°	44.4
60°	42.9
62.5°	41.5
65°	40.0
67.5°	38.9
70°	37.4
72.5°	36.0
75°	34.1
77.5°	32.3
80°	30.1
82.5°	27.9
85°	26.8
87.5°	26.1
90°	25.7
92.5°	25.7
95°	25.3
97.5°	25.3
100°	25.3
102.5°	25.3
105°	25.0
107.5°	25.0
110°	24.6



TEST NUMBER: P1244957

CATALOG NUMBER: PRLX-MIN-S-930-05L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	24.2
115°	23.9
117.5°	23.5
120°	23.1
122.5°	22.4
125°	22.0
127.5°	21.3
130°	20.2
132.5°	19.4
135°	18.0
137.5°	16.9
140°	15.4
142.5°	13.9
145°	12.5
147.5°	11.4
150°	10.6
152.5°	9.9
155°	8.8
157.5°	8.1
160°	7.3
162.5°	6.6
165°	5.5
167.5°	4.4
170°	2.9
172.5°	1.5
175°	0.4
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	7.6	8.8	8.3	9.5	10.4	7.6	8.8	8.3	9.5	10.4
	3H	9.9	11.0	10.7	11.7	12.6	9.9	11.0	10.7	11.7	12.6
	4H	11.0	12.0	11.7	12.7	13.7	11.0	12.0	11.7	12.7	13.7
	6H	11.9	12.9	12.7	13.6	14.6	11.9	12.9	12.7	13.6	14.6
	8H	12.4	13.3	13.1	14.0	15.0	12.4	13.3	13.1	14.0	15.0
	12H	12.8	13.6	13.6	14.4	15.4	12.8	13.6	13.6	14.4	15.4
4H	2H	8.2	9.2	9.0	10.0	10.9	8.2	9.2	9.0	10.0	10.9
	3H	10.7	11.6	11.5	12.4	13.3	10.7	11.6	11.5	12.4	13.3
	4H	11.9	12.7	12.7	13.5	14.5	11.9	12.7	12.7	13.5	14.5
	6H	13.1	13.8	13.9	14.6	15.6	13.1	13.8	13.9	14.6	15.6
	8H	13.6	14.2	14.4	15.0	16.0	13.6	14.2	14.4	15.0	16.0
	12H	14.1	14.7	14.9	15.5	16.5	14.1	14.7	14.9	15.5	16.5
8H	4H	12.3	13.0	13.1	13.8	14.8	12.3	13.0	13.1	13.8	14.8
	6H	13.6	14.2	14.5	15.0	16.0	13.6	14.2	14.5	15.0	16.0
	8H	14.3	14.8	15.1	15.6	16.6	14.3	14.8	15.1	15.6	16.6
	12H	14.9	15.4	15.8	16.2	17.3	14.9	15.4	15.8	16.2	17.3
12H	4H	12.4	13.0	13.2	13.8	14.8	12.4	13.0	13.2	13.8	14.8
	6H	13.8	14.3	14.6	15.1	16.1	13.8	14.3	14.6	15.1	16.1
	8H	14.5	14.9	15.3	15.7	16.8	14.5	14.9	15.3	15.7	16.8

(END OF REPORT)