

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: P1244961

Luminaire Tested: PRLX-MIN-S-930-07L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244961
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-930-07L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

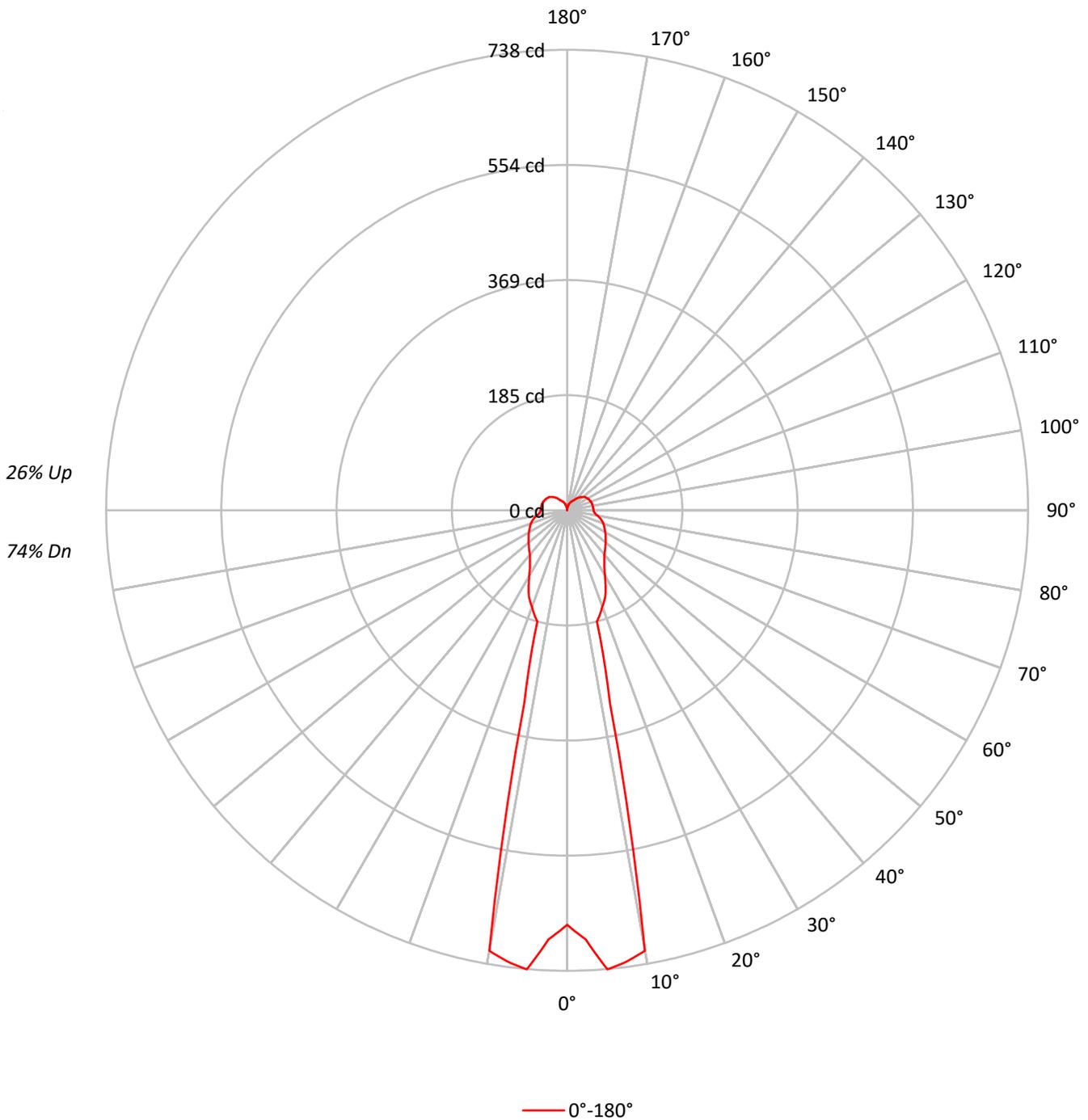
Lumens per Lamp: N/A
Luminaire Lumens: 787.0 lumens
Efficiency: N/A
Efficacy: 48.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 16.2
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: P1244961

CATALOG NUMBER: PRLX-MIN-S-930-07L-U-OW

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°	18308
5°	18210
10°	16105
15°	3834
20°	3204
25°	2690
30°	2138
35°	1767
40°	1540
45°	1405
50°	1293
55°	1212
60°	1139
65°	1075
70°	1027
75°	964
80°	882
85°	823

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1405 cd/sqm



TEST NUMBER: P1244961

CATALOG NUMBER: PRLX-MIN-S-930-07L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	8.8
10°-20°	72.7	9.2
20°-30°	66.2	8.4
30°-40°	65.5	8.3
40°-50°	66.7	8.5
50°-60°	67.5	8.6
60°-70°	65.4	8.3
70°-80°	59.1	7.5
80°-90°	48.7	6.2
90°-100°	45.6	5.8
100°-110°	43.5	5.5
110°-120°	38.9	4.9
120°-130°	32.2	4.1
130°-140°	23.0	2.9
140°-150°	13.2	1.7
150°-160°	6.9	0.9
160°-170°	2.6	0.3
170°-180°	0.2	0.0
0°-30°	207.8	26.4
0°-40°	273.4	34.7
0°-60°	407.6	51.8
0°-90°	580.7	73.8
90°-120°	128.1	16.3
90°-150°	196.6	25.0
90°-180°	206.0	26.2
0°-180°	787.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	664	
5°	738	69
15°	184	73
25°	146	66
35°	104	66
45°	86	67
55°	75	68
65°	66	65
75°	56	59
85°	44	37
90°	42	23
95°	42	34
105°	41	44
115°	39	39
125°	36	32
135°	30	23
145°	20	13
155°	14	7
165°	9	3
175°	1	0
180°	0	

TEST NUMBER: P1244961

CATALOG NUMBER: PRLX-MIN-S-930-07L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	664.4
2.5°	688.5
5°	738.5
7.5°	729.5
10°	716.8
12.5°	317.1
15°	184.5
17.5°	174.8
20°	164.6
22.5°	156.1
25°	145.9
27.5°	132.6
30°	121.2
32.5°	110.9
35°	103.7
37.5°	97.7
40°	92.8
42.5°	89.2
45°	86.2
47.5°	83.2
50°	80.2
52.5°	77.8
55°	75.4
57.5°	72.9
60°	70.5
62.5°	68.1
65°	65.7
67.5°	63.9
70°	61.5
72.5°	59.1
75°	56.1
77.5°	53.1
80°	49.4
82.5°	45.8
85°	44.0
87.5°	42.8
90°	42.2
92.5°	42.2
95°	41.6
97.5°	41.6
100°	41.6
102.5°	41.6
105°	41.0
107.5°	41.0
110°	40.4



TEST NUMBER: P1244961

CATALOG NUMBER: PRLX-MIN-S-930-07L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	39.8
115°	39.2
117.5°	38.6
120°	38.0
122.5°	36.8
125°	36.2
127.5°	35.0
130°	33.2
132.5°	32.0
135°	29.5
137.5°	27.7
140°	25.3
142.5°	22.9
145°	20.5
147.5°	18.7
150°	17.5
152.5°	16.3
155°	14.5
157.5°	13.3
160°	12.1
162.5°	10.9
165°	9.0
167.5°	7.2
170°	4.8
172.5°	2.4
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	9.3	10.5	10.1	11.2	12.1	9.3	10.5	10.1	11.2	12.1
	3H	11.7	12.7	12.4	13.5	14.4	11.7	12.7	12.4	13.5	14.4
	4H	12.7	13.7	13.5	14.5	15.4	12.7	13.7	13.5	14.5	15.4
	6H	13.7	14.6	14.4	15.4	16.3	13.7	14.6	14.4	15.4	16.3
	8H	14.1	15.0	14.9	15.8	16.7	14.1	15.0	14.9	15.8	16.7
	12H	14.5	15.4	15.3	16.1	17.1	14.5	15.4	15.3	16.1	17.1
4H	2H	9.9	10.9	10.7	11.7	12.6	9.9	10.9	10.7	11.7	12.6
	3H	12.5	13.3	13.2	14.1	15.1	12.5	13.3	13.2	14.1	15.1
	4H	13.7	14.5	14.4	15.3	16.2	13.7	14.5	14.4	15.3	16.2
	6H	14.8	15.5	15.6	16.3	17.3	14.8	15.5	15.6	16.3	17.3
	8H	15.3	16.0	16.1	16.8	17.8	15.3	16.0	16.1	16.8	17.8
	12H	15.8	16.4	16.6	17.2	18.2	15.8	16.4	16.6	17.2	18.2
8H	4H	14.1	14.7	14.9	15.5	16.5	14.1	14.7	14.9	15.5	16.5
	6H	15.4	15.9	16.2	16.8	17.8	15.4	15.9	16.2	16.8	17.8
	8H	16.0	16.5	16.8	17.3	18.3	16.0	16.5	16.8	17.3	18.3
	12H	16.6	17.1	17.5	17.9	19.0	16.6	17.1	17.5	17.9	19.0
12H	4H	14.1	14.7	14.9	15.6	16.5	14.1	14.7	14.9	15.6	16.5
	6H	15.5	16.0	16.3	16.8	17.9	15.5	16.0	16.3	16.8	17.9
	8H	16.2	16.6	17.0	17.5	18.5	16.2	16.6	17.0	17.5	18.5

(END OF REPORT)