

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: P1244958

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244958
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-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

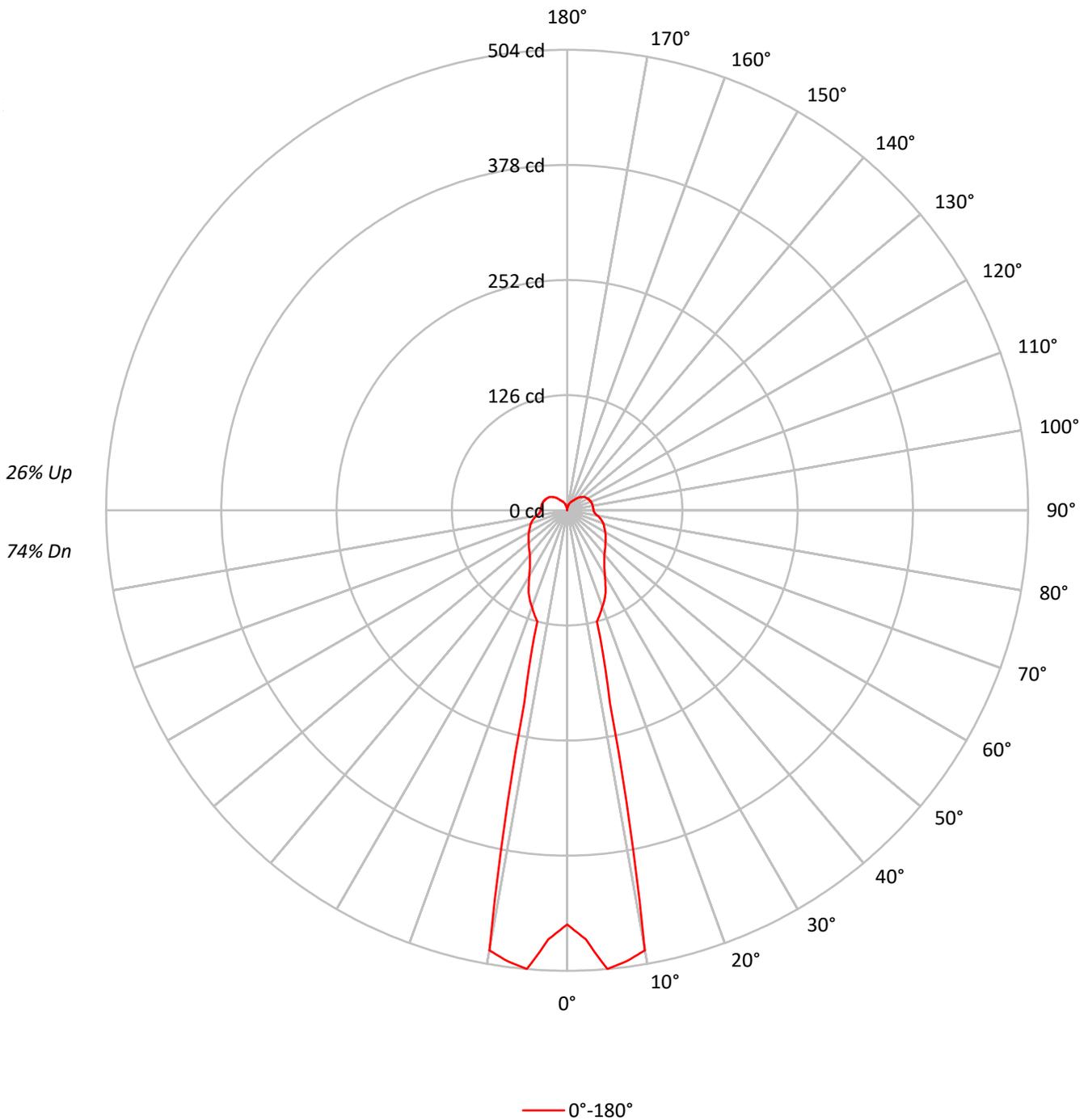
Lumens per Lamp: N/A
Luminaire Lumens: 537.1 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

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

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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	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°	12491
5°	12425
10°	10989
15°	2616
20°	2186
25°	1836
30°	1459
35°	1206
40°	1052
45°	958
50°	882
55°	827
60°	777
65°	733
70°	702
75°	658
80°	601
85°	561

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 958 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	8.8
10°-20°	49.6	9.2
20°-30°	45.2	8.4
30°-40°	44.7	8.3
40°-50°	45.5	8.5
50°-60°	46.1	8.6
60°-70°	44.6	8.3
70°-80°	40.3	7.5
80°-90°	33.2	6.2
90°-100°	31.2	5.8
100°-110°	29.7	5.5
110°-120°	26.6	4.9
120°-130°	22.0	4.1
130°-140°	15.7	2.9
140°-150°	9.0	1.7
150°-160°	4.7	0.9
160°-170°	1.8	0.3
170°-180°	0.1	0.0
0°-30°	141.8	26.4
0°-40°	186.5	34.7
0°-60°	278.1	51.8
0°-90°	396.3	73.8
90°-120°	87.4	16.3
90°-150°	134.2	25.0
90°-180°	141.0	26.3
0°-180°	537.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	453	
5°	504	47
15°	126	50
25°	100	45
35°	71	45
45°	59	46
55°	51	46
65°	45	45
75°	38	40
85°	30	25
90°	29	16
95°	28	23
105°	28	30
115°	27	27
125°	25	22
135°	20	16
145°	14	9
155°	10	5
165°	6	2
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	453.3
2.5°	469.8
5°	503.9
7.5°	497.8
10°	489.1
12.5°	216.4
15°	125.9
17.5°	119.3
20°	112.3
22.5°	106.5
25°	99.6
27.5°	90.5
30°	82.7
32.5°	75.7
35°	70.8
37.5°	66.6
40°	63.4
42.5°	60.9
45°	58.8
47.5°	56.8
50°	54.7
52.5°	53.1
55°	51.4
57.5°	49.8
60°	48.1
62.5°	46.5
65°	44.8
67.5°	43.6
70°	42.0
72.5°	40.3
75°	38.3
77.5°	36.2
80°	33.7
82.5°	31.3
85°	30.0
87.5°	29.2
90°	28.8
92.5°	28.8
95°	28.4
97.5°	28.4
100°	28.4
102.5°	28.4
105°	28.0
107.5°	28.0
110°	27.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	27.2
115°	26.7
117.5°	26.3
120°	25.9
122.5°	25.1
125°	24.7
127.5°	23.9
130°	22.6
132.5°	21.8
135°	20.2
137.5°	18.9
140°	17.3
142.5°	15.6
145°	14.0
147.5°	12.8
150°	11.9
152.5°	11.1
155°	9.9
157.5°	9.1
160°	8.2
162.5°	7.4
165°	6.2
167.5°	4.9
170°	3.3
172.5°	1.6
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	8.0	9.2	8.7	9.9	10.8	8.0	9.2	8.7	9.9	10.8
	3H	10.3	11.4	11.1	12.1	13.0	10.3	11.4	11.1	12.1	13.0
	4H	11.4	12.4	12.1	13.1	14.1	11.4	12.4	12.1	13.1	14.1
	6H	12.3	13.3	13.1	14.0	15.0	12.3	13.3	13.1	14.0	15.0
	8H	12.8	13.7	13.5	14.4	15.4	12.8	13.7	13.5	14.4	15.4
	12H	13.2	14.0	13.9	14.8	15.8	13.2	14.0	13.9	14.8	15.8
4H	2H	8.6	9.6	9.4	10.4	11.3	8.6	9.6	9.4	10.4	11.3
	3H	11.1	12.0	11.9	12.8	13.7	11.1	12.0	11.9	12.8	13.7
	4H	12.3	13.1	13.1	13.9	14.9	12.3	13.1	13.1	13.9	14.9
	6H	13.5	14.2	14.3	15.0	16.0	13.5	14.2	14.3	15.0	16.0
	8H	14.0	14.6	14.8	15.4	16.4	14.0	14.6	14.8	15.4	16.4
	12H	14.5	15.1	15.3	15.9	16.9	14.5	15.1	15.3	15.9	16.9
8H	4H	12.7	13.4	13.5	14.2	15.2	12.7	13.4	13.5	14.2	15.2
	6H	14.0	14.6	14.9	15.4	16.4	14.0	14.6	14.9	15.4	16.4
	8H	14.7	15.2	15.5	16.0	17.0	14.7	15.2	15.5	16.0	17.0
	12H	15.3	15.8	16.2	16.6	17.7	15.3	15.8	16.2	16.6	17.7
12H	4H	12.8	13.4	13.6	14.2	15.2	12.8	13.4	13.6	14.2	15.2
	6H	14.2	14.7	15.0	15.5	16.5	14.2	14.7	15.0	15.5	16.5
	8H	14.9	15.3	15.7	16.1	17.2	14.9	15.3	15.7	16.1	17.2

(END OF REPORT)