

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: P1245233

Luminaire Tested: PRLX-NIM-S-930-05L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245233
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-930-05L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

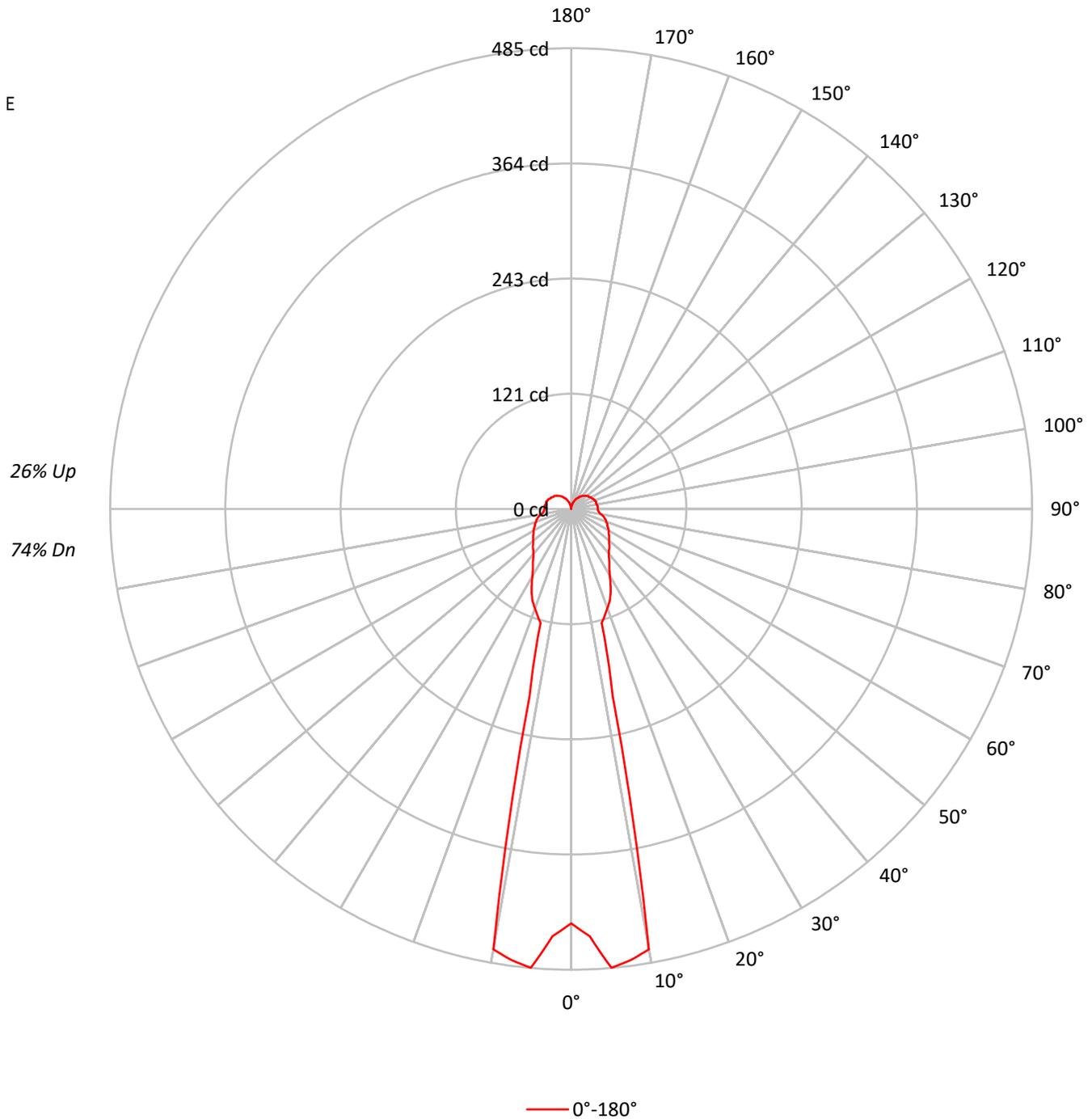
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 518.0 lumens
Efficiency: N/A
Efficacy: 46.7 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 (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

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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	96	96	96	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	64	58	64	58	53	58	53	49	52	48	45	42
4	78	67	58	52	74	64	56	50	58	52	47	52	47	43	47	43	40	37
5	72	60	52	46	69	58	50	44	53	46	41	48	43	39	44	39	36	33
6	68	55	47	41	64	53	45	40	48	42	37	44	39	35	41	36	33	30
7	63	51	43	37	60	49	41	36	45	39	34	41	36	32	38	33	30	28
8	59	47	39	34	56	45	38	33	42	36	31	39	33	30	36	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	34	29	26	24
10	53	41	34	29	51	40	33	28	37	31	27	34	29	26	32	28	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	13800
5°	13619
10°	11975
15°	2907
20°	2427
25°	2020
30°	1596
35°	1324
40°	1130
45°	1024
50°	927
55°	857
60°	809
65°	749
70°	711
75°	678
80°	613
85°	583

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1024 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	8.7
10°-20°	48.0	9.3
20°-30°	44.7	8.6
30°-40°	44.0	8.5
40°-50°	43.8	8.5
50°-60°	43.6	8.4
60°-70°	42.0	8.1
70°-80°	38.3	7.4
80°-90°	31.9	6.1
90°-100°	30.4	5.9
100°-110°	28.6	5.5
110°-120°	25.1	4.8
120°-130°	20.5	3.9
130°-140°	15.2	2.9
140°-150°	9.8	1.9
150°-160°	5.1	1.0
160°-170°	1.8	0.3
170°-180°	0.2	0.0
0°-30°	137.9	26.6
0°-40°	181.9	35.1
0°-60°	269.3	52.0
0°-90°	381.5	73.6
90°-120°	84.0	16.2
90°-150°	129.5	25.0
90°-180°	137.0	26.4
0°-180°	518.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	436	
5°	485	45
15°	124	48
25°	98	45
35°	70	44
45°	57	44
55°	49	44
65°	42	42
75°	36	38
85°	29	24
90°	28	15
95°	28	23
105°	27	29
115°	25	25
125°	22	20
135°	20	15
145°	16	10
155°	11	5
165°	6	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	436.2
2.5°	450.2
5°	484.8
7.5°	479.2
10°	470.8
12.5°	201.8
15°	124.2
17.5°	117.7
20°	111.2
22.5°	105.6
25°	98.1
27.5°	89.7
30°	81.3
32.5°	74.7
35°	70.1
37.5°	65.4
40°	61.6
42.5°	58.8
45°	57.0
47.5°	54.2
50°	52.3
52.5°	50.4
55°	48.6
57.5°	46.7
60°	45.8
62.5°	43.9
65°	42.0
67.5°	41.1
70°	39.2
72.5°	38.3
75°	36.4
77.5°	34.6
80°	31.8
82.5°	29.9
85°	29.0
87.5°	28.0
90°	28.0
92.5°	28.0
95°	28.0
97.5°	28.0
100°	27.1
102.5°	27.1
105°	27.1
107.5°	27.1
110°	26.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	26.2
115°	25.2
117.5°	24.3
120°	24.3
122.5°	23.4
125°	22.4
127.5°	22.4
130°	21.5
132.5°	20.5
135°	19.6
137.5°	18.7
140°	17.7
142.5°	16.8
145°	15.9
147.5°	14.0
150°	13.1
152.5°	12.1
155°	11.2
157.5°	9.3
160°	8.4
162.5°	7.5
165°	5.6
167.5°	4.7
170°	3.7
172.5°	1.9
175°	0.9
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	9.1	8.7	9.9	10.8	8.0	9.1	8.7	9.9	10.8
	3H	10.3	11.4	11.0	12.1	13.0	10.3	11.4	11.0	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	12.4	13.3	13.1	14.1	15.0	12.4	13.3	13.1	14.1	15.0
	8H	12.8	13.7	13.6	14.5	15.4	12.8	13.7	13.6	14.5	15.4
	12H	13.2	14.0	14.0	14.8	15.8	13.2	14.0	14.0	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	15.5	16.4	14.0	14.6	14.8	15.5	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	15.5	16.4	14.0	14.6	14.9	15.5	16.4
	8H	14.7	15.2	15.5	16.0	17.0	14.7	15.2	15.5	16.0	17.0
	12H	15.4	15.8	16.2	16.6	17.7	15.4	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	16.2	17.2	14.9	15.3	15.7	16.2	17.2

(END OF REPORT)