

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: P1245231

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245231
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-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

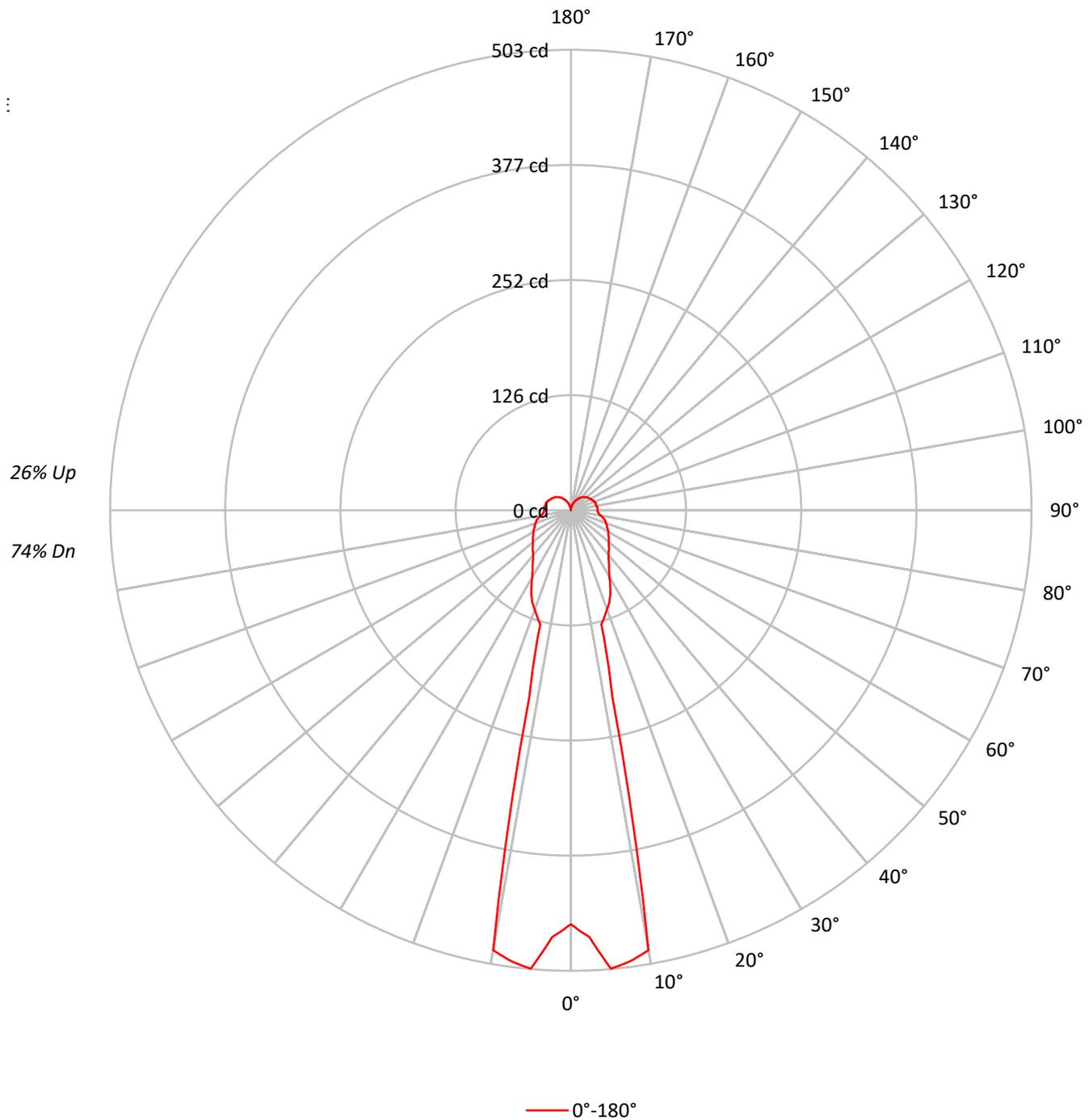
Lumens per Lamp: N/A
Luminaire Lumens: 537.1 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

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°	14306
5°	14119
10°	12413
15°	3014
20°	2514
25°	2094
30°	1653
35°	1372
40°	1172
45°	1061
50°	961
55°	888
60°	837
65°	777
70°	739
75°	704
80°	634
85°	603

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1061 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	8.7
10°-20°	49.7	9.3
20°-30°	46.3	8.6
30°-40°	45.6	8.5
40°-50°	45.5	8.5
50°-60°	45.2	8.4
60°-70°	43.6	8.1
70°-80°	39.7	7.4
80°-90°	33.0	6.1
90°-100°	31.6	5.9
100°-110°	29.6	5.5
110°-120°	26.0	4.8
120°-130°	21.2	3.9
130°-140°	15.8	2.9
140°-150°	10.2	1.9
150°-160°	5.3	1.0
160°-170°	1.8	0.3
170°-180°	0.2	0.0
0°-30°	142.9	26.6
0°-40°	188.5	35.1
0°-60°	279.2	52.0
0°-90°	395.5	73.6
90°-120°	87.2	16.2
90°-150°	134.3	25.0
90°-180°	142.0	26.4
0°-180°	537.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	452	
5°	503	47
15°	129	50
25°	102	46
35°	73	46
45°	59	45
55°	50	45
65°	44	44
75°	38	40
85°	30	25
90°	29	16
95°	29	24
105°	28	30
115°	26	26
125°	23	21
135°	20	16
145°	16	10
155°	12	5
165°	6	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	452.2
2.5°	466.7
5°	502.6
7.5°	496.8
10°	488.0
12.5°	209.2
15°	128.8
17.5°	122.0
20°	115.2
22.5°	109.4
25°	101.7
27.5°	93.0
30°	84.2
32.5°	77.5
35°	72.6
37.5°	67.8
40°	63.9
42.5°	61.0
45°	59.1
47.5°	56.2
50°	54.2
52.5°	52.3
55°	50.4
57.5°	48.4
60°	47.4
62.5°	45.5
65°	43.6
67.5°	42.6
70°	40.7
72.5°	39.7
75°	37.8
77.5°	35.8
80°	32.9
82.5°	31.0
85°	30.0
87.5°	29.1
90°	29.1
92.5°	29.1
95°	29.1
97.5°	29.1
100°	28.1
102.5°	28.1
105°	28.1
107.5°	28.1
110°	27.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	27.1
115°	26.1
117.5°	25.2
120°	25.2
122.5°	24.2
125°	23.2
127.5°	23.2
130°	22.3
132.5°	21.3
135°	20.3
137.5°	19.4
140°	18.4
142.5°	17.4
145°	16.5
147.5°	14.5
150°	13.6
152.5°	12.6
155°	11.6
157.5°	9.7
160°	8.7
162.5°	7.7
165°	5.8
167.5°	4.8
170°	3.9
172.5°	1.9
175°	1.0
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	8.1	9.3	8.8	10.0	10.9	8.1	9.3	8.8	10.0	10.9
	3H	10.4	11.5	11.2	12.2	13.2	10.4	11.5	11.2	12.2	13.2
	4H	11.5	12.5	12.3	13.3	14.2	11.5	12.5	12.3	13.3	14.2
	6H	12.5	13.4	13.2	14.2	15.1	12.5	13.4	13.2	14.2	15.1
	8H	12.9	13.8	13.7	14.6	15.5	12.9	13.8	13.7	14.6	15.5
	12H	13.3	14.2	14.1	15.0	15.9	13.3	14.2	14.1	15.0	15.9
4H	2H	8.7	9.7	9.5	10.5	11.4	8.7	9.7	9.5	10.5	11.4
	3H	11.3	12.1	12.0	12.9	13.8	11.3	12.1	12.0	12.9	13.8
	4H	12.5	13.3	13.3	14.1	15.0	12.5	13.3	13.3	14.1	15.0
	6H	13.6	14.3	14.4	15.1	16.1	13.6	14.3	14.4	15.1	16.1
	8H	14.1	14.8	14.9	15.6	16.6	14.1	14.8	14.9	15.6	16.6
	12H	14.6	15.2	15.4	16.1	17.1	14.6	15.2	15.4	16.1	17.1
8H	4H	12.9	13.5	13.7	14.3	15.3	12.9	13.5	13.7	14.3	15.3
	6H	14.2	14.7	15.0	15.6	16.6	14.2	14.7	15.0	15.6	16.6
	8H	14.8	15.3	15.6	16.2	17.2	14.8	15.3	15.6	16.2	17.2
	12H	15.5	15.9	16.3	16.8	17.8	15.5	15.9	16.3	16.8	17.8
12H	4H	12.9	13.5	13.7	14.4	15.4	12.9	13.5	13.7	14.4	15.4
	6H	14.3	14.8	15.1	15.6	16.7	14.3	14.8	15.1	15.6	16.7
	8H	15.0	15.4	15.8	16.3	17.3	15.0	15.4	15.8	16.3	17.3

(END OF REPORT)