Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1245263

Luminaire Tested: PRLX-NIM-S-935-12L-U-LF

Issue Date: 1/30/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1245263
	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-935-12L-U-LF
Description:	3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 5
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1305.0 lumens
Efficiency:	N/A
Efficacy:	45.2 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):	28.9
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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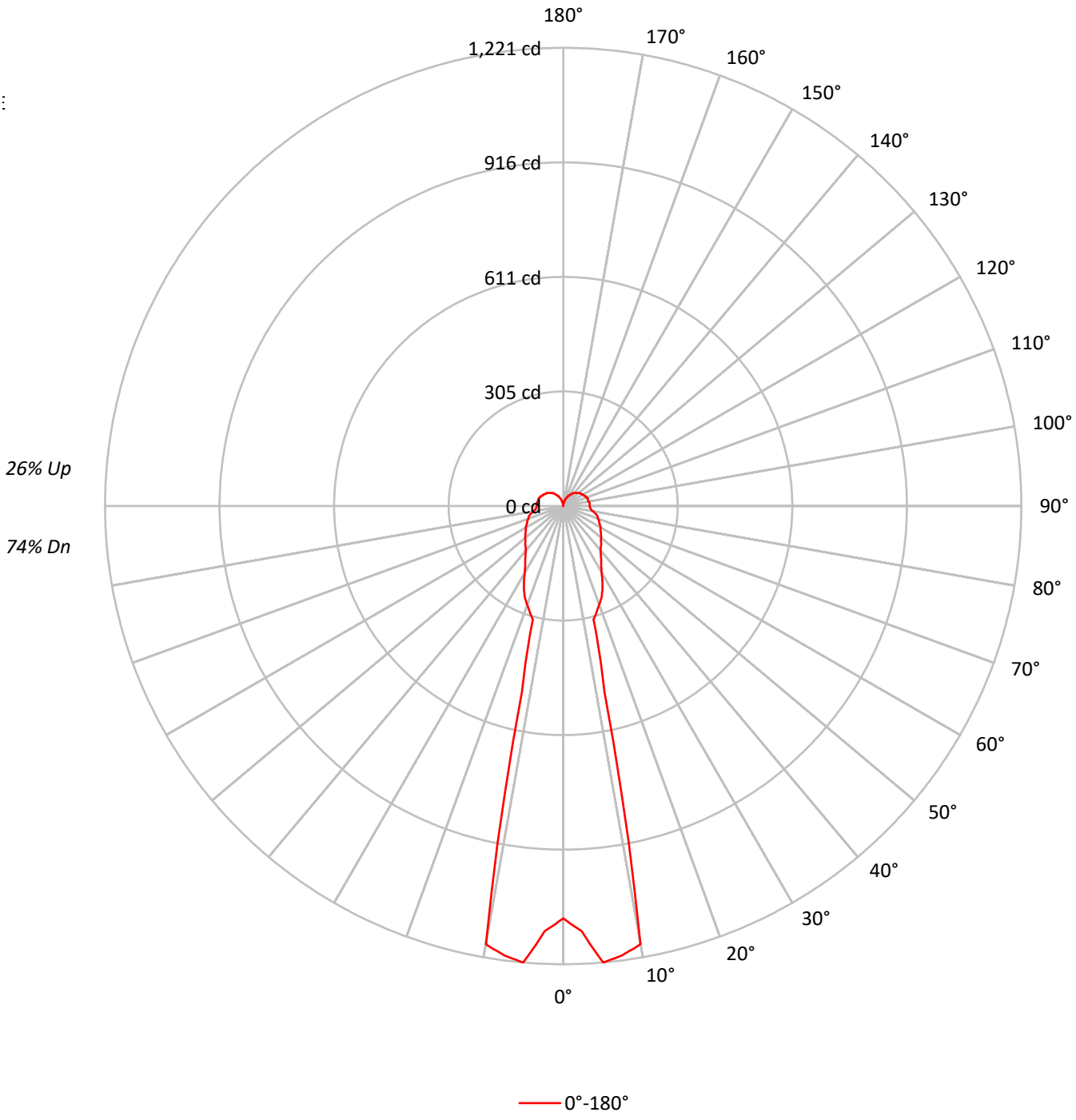
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	34768
5°	34309
10°	30167
15°	7325
20°	6110
25°	5088
30°	4018
35°	3335
40°	2849
45°	2577
50°	2336
55°	2157
60°	2036
65°	1888
70°	1793
75°	1709
80°	1541
85°	1466

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2577 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	8.7
10°-20°	120.8	9.3
20°-30°	112.5	8.6
30°-40°	110.8	8.5
40°-50°	110.5	8.5
50°-60°	109.9	8.4
60°-70°	105.9	8.1
70°-80°	96.4	7.4
80°-90°	80.2	6.1
90°-100°	76.7	5.9
100°-110°	71.9	5.5
110°-120°	63.1	4.8
120°-130°	51.5	3.9
130°-140°	38.4	2.9
140°-150°	24.7	1.9
150°-160°	12.8	1.0
160°-170°	4.4	0.3
170°-180°	0.4	0.0
0°-30°	347.3	26.6
0°-40°	458.1	35.1
0°-60°	678.5	52.0
0°-90°	961.0	73.6
90°-120°	211.7	16.2
90°-150°	326.3	25.0
90°-180°	344.0	26.4
0°-180°	1305.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1099	
5°	1221	114
15°	313	121
25°	247	113
35°	176	111
45°	144	110
55°	122	110
65°	106	106
75°	92	96
85°	73	61
90°	71	39
95°	71	57
105°	68	72
115°	64	63
125°	56	52
135°	49	38
145°	40	25
155°	28	13
165°	14	4
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1099.0
2.5°	1134.3
5°	1221.3
7.5°	1207.2
10°	1186.0
12.5°	508.3
15°	313.0
17.5°	296.5
20°	280.0
22.5°	265.9
25°	247.1
27.5°	225.9
30°	204.7
32.5°	188.3
35°	176.5
37.5°	164.7
40°	155.3
42.5°	148.3
45°	143.5
47.5°	136.5
50°	131.8
52.5°	127.1
55°	122.4
57.5°	117.7
60°	115.3
62.5°	110.6
65°	105.9
67.5°	103.5
70°	98.8
72.5°	96.5
75°	91.8
77.5°	87.1
80°	80.0
82.5°	75.3
85°	72.9
87.5°	70.6
90°	70.6
92.5°	70.6
95°	70.6
97.5°	70.6
100°	68.2
102.5°	68.2
105°	68.2
107.5°	68.2
110°	65.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	65.9
115°	63.5
117.5°	61.2
120°	61.2
122.5°	58.8
125°	56.5
127.5°	56.5
130°	54.1
132.5°	51.8
135°	49.4
137.5°	47.1
140°	44.7
142.5°	42.4
145°	40.0
147.5°	35.3
150°	32.9
152.5°	30.6
155°	28.2
157.5°	23.5
160°	21.2
162.5°	18.8
165°	14.1
167.5°	11.8
170°	9.4
172.5°	4.7
175°	2.4
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	11.2	12.4	11.9	13.1	14.0	11.2	12.4	11.9	13.1	14.0
	3H	13.5	14.6	14.3	15.3	16.2	13.5	14.6	14.3	15.3	16.2
	4H	14.6	15.6	15.3	16.3	17.3	14.6	15.6	15.3	16.3	17.3
	6H	15.6	16.5	16.3	17.3	18.2	15.6	16.5	16.3	17.3	18.2
	8H	16.0	16.9	16.8	17.7	18.6	16.0	16.9	16.8	17.7	18.6
	12H	16.4	17.3	17.2	18.0	19.0	16.4	17.3	17.2	18.0	19.0
4H	2H	11.8	12.8	12.6	13.6	14.5	11.8	12.8	12.6	13.6	14.5
	3H	14.3	15.2	15.1	16.0	16.9	14.3	15.2	15.1	16.0	16.9
	4H	15.6	16.3	16.3	17.1	18.1	15.6	16.3	16.3	17.1	18.1
	6H	16.7	17.4	17.5	18.2	19.2	16.7	17.4	17.5	18.2	19.2
	8H	17.2	17.9	18.0	18.7	19.7	17.2	17.9	18.0	18.7	19.7
	12H	17.7	18.3	18.5	19.1	20.1	17.7	18.3	18.5	19.1	20.1
8H	4H	16.0	16.6	16.7	17.4	18.4	16.0	16.6	16.7	17.4	18.4
	6H	17.3	17.8	18.1	18.7	19.7	17.3	17.8	18.1	18.7	19.7
	8H	17.9	18.4	18.7	19.2	20.2	17.9	18.4	18.7	19.2	20.2
	12H	18.6	19.0	19.4	19.8	20.9	18.6	19.0	19.4	19.8	20.9
12H	4H	16.0	16.6	16.8	17.4	18.4	16.0	16.6	16.8	17.4	18.4
	6H	17.4	17.9	18.2	18.7	19.8	17.4	17.9	18.2	18.7	19.8
	8H	18.1	18.5	18.9	19.4	20.4	18.1	18.5	18.9	19.4	20.4

(END OF REPORT)