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: P1245502

Luminaire Tested: PRLX-UNA-S-940-12L-U-PS

Issue Date: 1/30/2026

Test Information

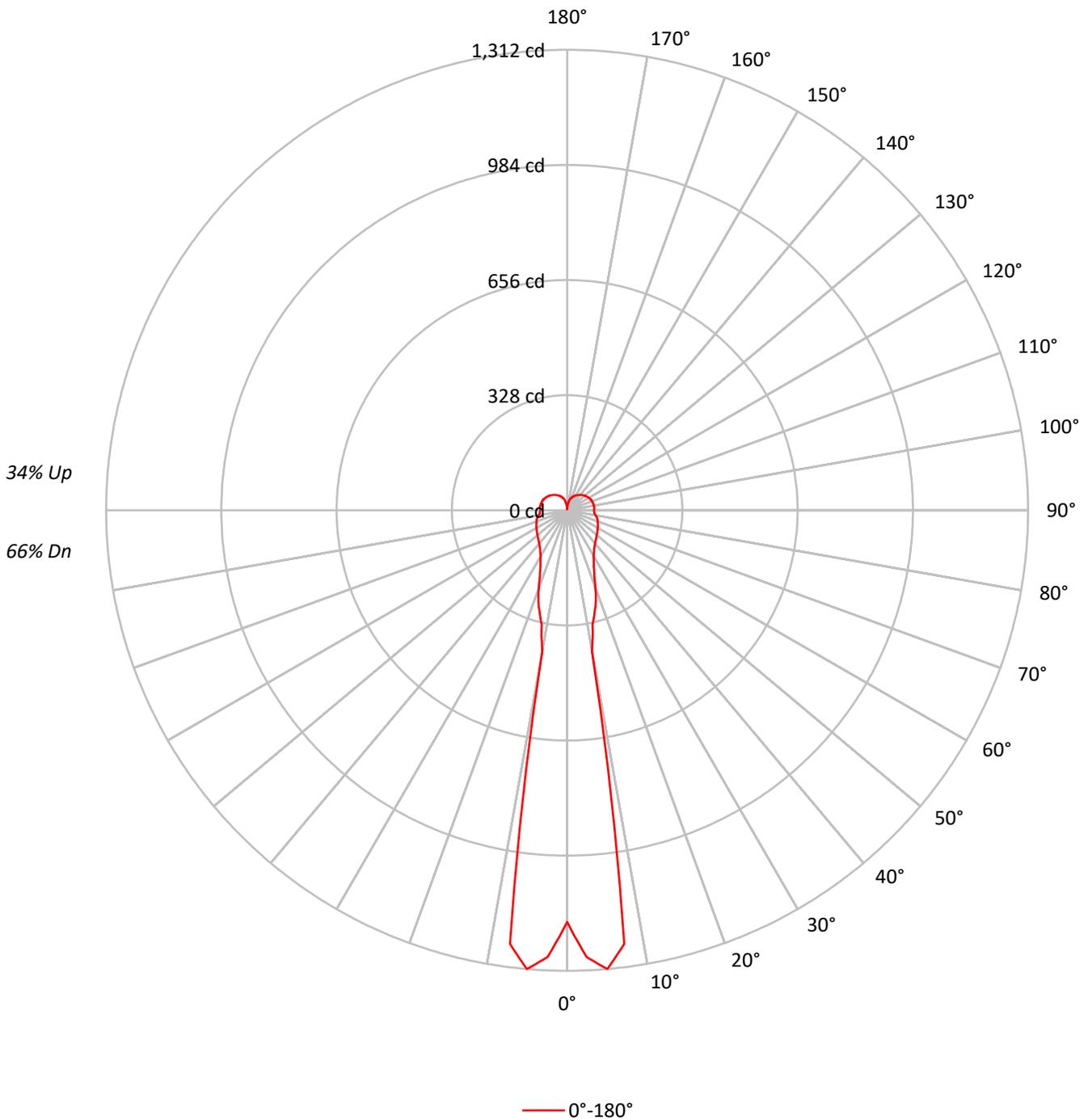|	
Test Method:	LM-79-2019
Report Number:	P1245502
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)
Test Lab:	INNOVATION CENTER
Issue Date:	1/30/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PrentaLux
Catalog Number:	PRLX-UNA-S-940-12L-U-PS
Description:	3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1227.0 lumens
Efficiency:	N/A
Efficacy:	42.5 lumens/watt
Spacing Criteria (0/90/45):	0.33 / 0.33 / 0.34
Luminous Opening:	Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
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

34% Up

66% Dn

0°-180°

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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	111	111	111	111	105	105	105	105	92	92	92	81	81	81	71	71	71	66
1	99	94	89	84	93	88	84	80	78	74	71	68	65	63	59	57	55	51
2	90	81	74	68	84	77	70	65	68	63	58	59	55	52	52	49	46	42
3	82	72	64	57	77	68	60	55	60	54	49	53	48	44	46	43	40	36
4	76	64	56	49	71	61	53	47	54	48	43	48	43	39	42	38	35	32
5	70	58	49	43	66	55	47	41	49	43	38	44	38	34	38	34	31	28
6	65	53	44	38	61	50	42	37	45	39	34	40	35	31	36	32	28	26
7	61	48	40	35	57	46	39	33	42	35	31	37	32	28	33	29	26	24
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26	33	28	24	30	26	23	21
10	51	39	32	27	48	37	31	26	34	28	24	31	26	23	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57458
5°	53317
10°	14281
15°	9315
20°	6550
25°	4576
30°	3566
35°	2985
40°	2618
45°	2368
50°	2170
55°	2020
60°	1911
65°	1818
70°	1741
75°	1677
80°	1581
85°	1538

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2368 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	8.4
10°-20°	84.9	6.9
20°-30°	84.3	6.9
30°-40°	84.7	6.9
40°-50°	89.9	7.3
50°-60°	94.2	7.7
60°-70°	95.7	7.8
70°-80°	93.2	7.6
80°-90°	85.3	6.9
90°-100°	84.3	6.9
100°-110°	80.8	6.6
110°-120°	73.1	6.0
120°-130°	61.2	5.0
130°-140°	47.5	3.9
140°-150°	33.3	2.7
150°-160°	20.4	1.7
160°-170°	9.4	0.8
170°-180°	1.5	0.1
0°-30°	272.4	22.2
0°-40°	357.1	29.1
0°-60°	541.2	44.1
0°-90°	815.4	66.5
90°-120°	238.2	19.4
90°-150°	380.2	31.0
90°-180°	412.0	33.6
0°-180°	1227.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1173	
5°	1312	103
15°	302	85
25°	179	84
35°	134	85
45°	116	90
55°	105	94
65°	96	96
75°	88	93
85°	78	64
90°	77	42
95°	78	63
105°	77	81
115°	74	73
125°	68	61
135°	61	47
145°	53	33
155°	44	20
165°	33	9
175°	12	2
180°	3	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1172.9
2.5°	1273.5
5°	1311.9
7.5°	1245.5
10°	408.6
12.5°	333.9
15°	301.8
17.5°	271.7
20°	235.4
22.5°	202.2
25°	179.4
27.5°	163.9
30°	150.4
32.5°	142.1
35°	133.8
37.5°	128.6
40°	123.4
42.5°	119.3
45°	116.2
47.5°	113.0
50°	109.9
52.5°	107.9
55°	104.7
57.5°	102.7
60°	100.6
62.5°	98.5
65°	96.4
67.5°	94.4
70°	92.3
72.5°	91.3
75°	88.2
77.5°	86.1
80°	81.9
82.5°	78.8
85°	77.8
87.5°	76.7
90°	76.7
92.5°	76.7
95°	77.8
97.5°	77.8
100°	76.7
102.5°	76.7
105°	76.7
107.5°	75.7
110°	75.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	74.7
115°	73.6
117.5°	72.6
120°	71.6
122.5°	69.5
125°	68.4
127.5°	66.4
130°	65.3
132.5°	63.3
135°	61.2
137.5°	59.1
140°	57.0
142.5°	55.0
145°	52.9
147.5°	50.8
150°	48.7
152.5°	46.7
155°	43.6
157.5°	41.5
160°	38.4
162.5°	36.3
165°	33.2
167.5°	29.0
170°	23.9
172.5°	18.7
175°	12.4
177.5°	6.2
180°	3.1

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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	10.5	11.6	11.3	12.4	13.4	10.5	11.6	11.3	12.4	13.4
	3H	12.9	13.9	13.7	14.7	15.8	12.9	13.9	13.7	14.7	15.8
	4H	14.1	15.0	14.9	15.9	16.9	14.1	15.0	14.9	15.9	16.9
	6H	15.2	16.1	16.0	16.9	18.0	15.2	16.1	16.0	16.9	18.0
	8H	15.7	16.5	16.5	17.4	18.5	15.7	16.5	16.5	17.4	18.5
	12H	16.2	17.0	17.0	17.9	19.0	16.2	17.0	17.0	17.9	19.0
4H	2H	11.1	12.0	11.9	12.9	13.9	11.1	12.0	11.9	12.9	13.9
	3H	13.8	14.6	14.6	15.4	16.5	13.8	14.6	14.6	15.4	16.5
	4H	15.1	15.8	15.9	16.7	17.8	15.1	15.8	15.9	16.7	17.8
	6H	16.4	17.0	17.2	17.9	19.0	16.4	17.0	17.2	17.9	19.0
	8H	17.0	17.6	17.8	18.5	19.6	17.0	17.6	17.8	18.5	19.6
	12H	17.6	18.1	18.4	19.0	20.1	17.6	18.1	18.4	19.0	20.1
8H	4H	15.5	16.1	16.4	17.0	18.1	15.5	16.1	16.4	17.0	18.1
	6H	17.0	17.5	17.9	18.4	19.5	17.0	17.5	17.9	18.4	19.5
	8H	17.7	18.2	18.6	19.1	20.2	17.7	18.2	18.6	19.1	20.2
	12H	18.5	18.9	19.4	19.8	21.0	18.5	18.9	19.4	19.8	21.0
12H	4H	15.6	16.2	16.5	17.1	18.2	15.6	16.2	16.5	17.1	18.2
	6H	17.1	17.6	18.0	18.5	19.7	17.1	17.6	18.0	18.5	19.7
	8H	17.9	18.3	18.8	19.3	20.4	17.9	18.3	18.8	19.3	20.4

(END OF REPORT)