

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: P1245370

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-940-12L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

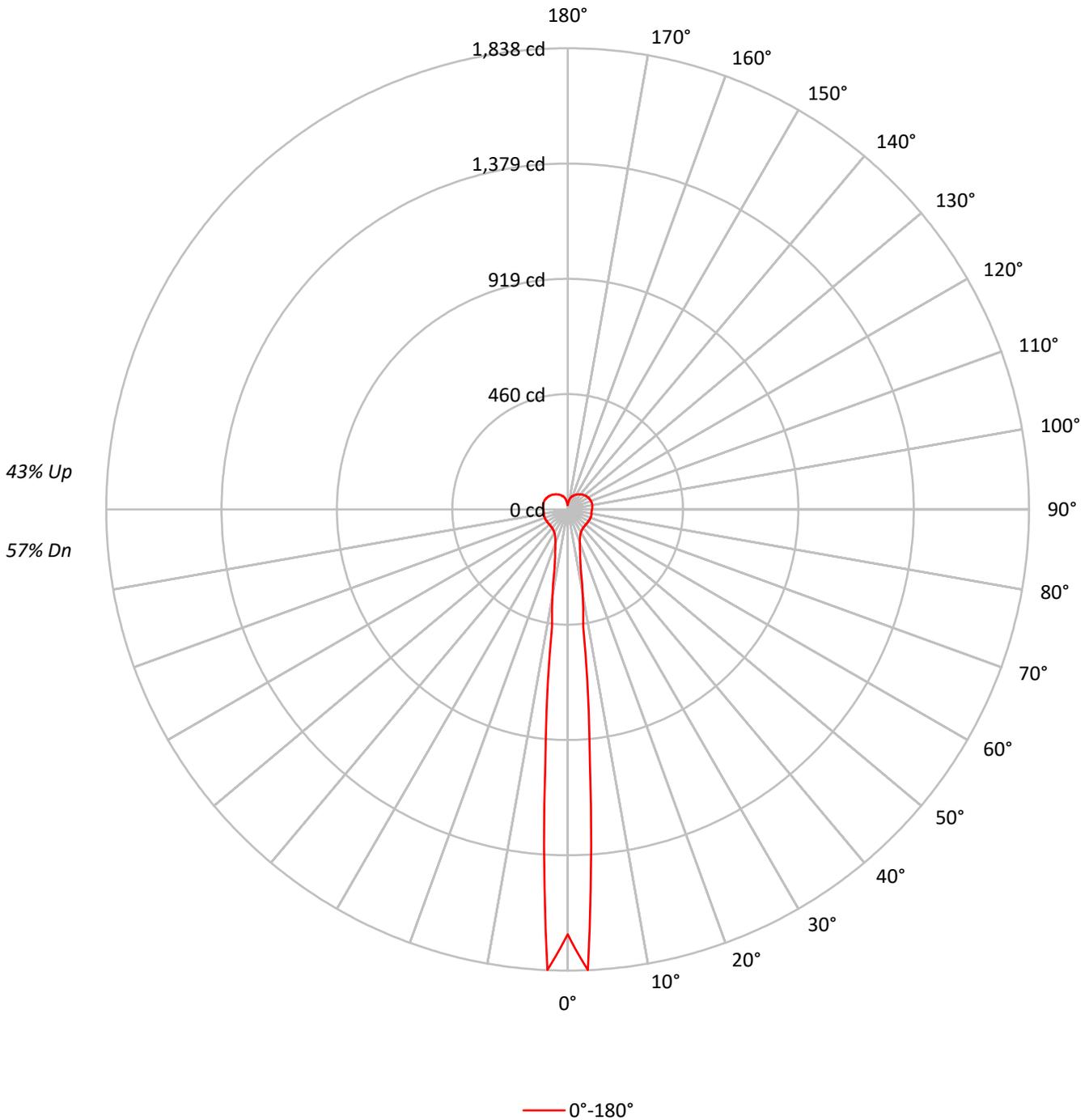
Lumens per Lamp: N/A
Luminaire Lumens: 1259.0 lumens
Efficiency: N/A
Efficacy: 41.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 30.5
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

TEST NUMBER: P1245370

CATALOG NUMBER: PRLX-UNA-L-940-12L-U-PS

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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	57
1	96	90	85	80	88	83	79	75	71	68	64		60	57	55		49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51		51	47	44		42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43		45	40	37		37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37		40	35	31		33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32		36	31	28		30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28		33	28	25		28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25		31	26	22		26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23		29	24	20		24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21		27	22	19		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	21	17		22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53570
5°	25108
10°	7058
15°	3316
20°	2185
25°	1622
30°	1335
35°	1167
40°	1053
45°	988
50°	942
55°	917
60°	900
65°	896
70°	894
75°	899
80°	889
85°	902

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 988 cd/sqm



TEST NUMBER: P1245370

CATALOG NUMBER: PRLX-UNA-L-940-12L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	6.0
10°-20°	56.6	4.5
20°-30°	55.2	4.4
30°-40°	62.8	5.0
40°-50°	73.3	5.8
50°-60°	85.0	6.8
60°-70°	95.6	7.6
70°-80°	102.7	8.2
80°-90°	104.8	8.3
90°-100°	107.5	8.5
100°-110°	105.2	8.4
110°-120°	96.1	7.6
120°-130°	81.9	6.5
130°-140°	64.6	5.1
140°-150°	46.2	3.7
150°-160°	29.1	2.3
160°-170°	14.1	1.1
170°-180°	2.9	0.2
0°-30°	187.2	14.9
0°-40°	250.0	19.9
0°-60°	408.4	32.4
0°-90°	711.4	56.5
90°-120°	308.8	24.5
90°-150°	501.5	39.8
90°-180°	548.0	43.5
0°-180°	1259.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1693	
5°	1018	75
15°	190	57
25°	118	55
35°	100	63
45°	95	73
55°	95	85
65°	96	96
75°	98	103
85°	96	78
90°	97	53
95°	99	81
105°	100	105
115°	97	96
125°	91	82
135°	83	65
145°	73	46
155°	62	29
165°	50	14
175°	26	3
180°	17	

TEST NUMBER: P1245370

CATALOG NUMBER: PRLX-UNA-L-940-12L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	1693.3
2.5°	1837.5
5°	1017.9
7.5°	472.0
10°	347.0
12.5°	238.8
15°	190.4
17.5°	162.2
20°	142.5
22.5°	127.9
25°	117.7
27.5°	111.0
30°	105.9
32.5°	102.5
35°	99.7
37.5°	97.5
40°	95.8
42.5°	95.2
45°	94.6
47.5°	94.1
50°	94.1
52.5°	94.6
55°	94.6
57.5°	95.2
60°	95.2
62.5°	95.8
65°	96.3
67.5°	96.9
70°	96.9
72.5°	97.5
75°	97.5
77.5°	96.9
80°	95.8
82.5°	95.8
85°	95.8
87.5°	96.3
90°	96.9
92.5°	98.0
95°	98.6
97.5°	99.1
100°	99.7
102.5°	99.7
105°	99.7
107.5°	99.1
110°	98.6

TEST NUMBER: P1245370

CATALOG NUMBER: PRLX-UNA-L-940-12L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	98.0
115°	96.9
117.5°	95.8
120°	94.6
122.5°	92.9
125°	91.3
127.5°	89.6
130°	87.9
132.5°	85.6
135°	83.4
137.5°	81.1
140°	78.3
142.5°	76.0
145°	73.2
147.5°	71.0
150°	68.2
152.5°	65.3
155°	62.5
157.5°	59.7
160°	56.3
162.5°	53.5
165°	49.6
167.5°	45.1
170°	39.4
172.5°	33.2
175°	25.9
177.5°	19.2
180°	16.9



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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	7.1	8.1	8.0	9.0	10.2	7.1	8.1	8.0	9.0	10.2
	3H	10.0	10.9	10.9	11.8	13.0	10.0	10.9	10.9	11.8	13.0
	4H	11.3	12.2	12.2	13.2	14.4	11.3	12.2	12.2	13.2	14.4
	6H	12.7	13.5	13.6	14.4	15.7	12.7	13.5	13.6	14.4	15.7
	8H	13.3	14.1	14.2	15.1	16.3	13.3	14.1	14.2	15.1	16.3
	12H	13.9	14.7	14.9	15.7	16.9	13.9	14.7	14.9	15.7	16.9
4H	2H	7.8	8.7	8.8	9.7	10.9	7.8	8.7	8.8	9.7	10.9
	3H	10.9	11.6	11.8	12.6	13.8	10.9	11.6	11.8	12.6	13.8
	4H	12.4	13.1	13.3	14.1	15.3	12.4	13.1	13.3	14.1	15.3
	6H	13.9	14.6	14.9	15.5	16.8	13.9	14.6	14.9	15.5	16.8
	8H	14.6	15.2	15.6	16.2	17.5	14.6	15.2	15.6	16.2	17.5
	12H	15.4	15.9	16.3	16.9	18.2	15.4	15.9	16.3	16.9	18.2
8H	4H	12.9	13.5	13.8	14.5	15.7	12.9	13.5	13.8	14.5	15.7
	6H	14.6	15.1	15.6	16.1	17.4	14.6	15.1	15.6	16.1	17.4
	8H	15.5	16.0	16.5	16.9	18.2	15.5	16.0	16.5	16.9	18.2
	12H	16.4	16.8	17.4	17.8	19.1	16.4	16.8	17.4	17.8	19.1
12H	4H	13.0	13.5	14.0	14.5	15.8	13.0	13.5	14.0	14.5	15.8
	6H	14.8	15.2	15.8	16.2	17.5	14.8	15.2	15.8	16.2	17.5
	8H	15.7	16.2	16.7	17.1	18.5	15.7	16.2	16.7	17.1	18.5

(END OF REPORT)