

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: P1244840

Luminaire Tested: PRLX-MIN-L-935-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-935-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

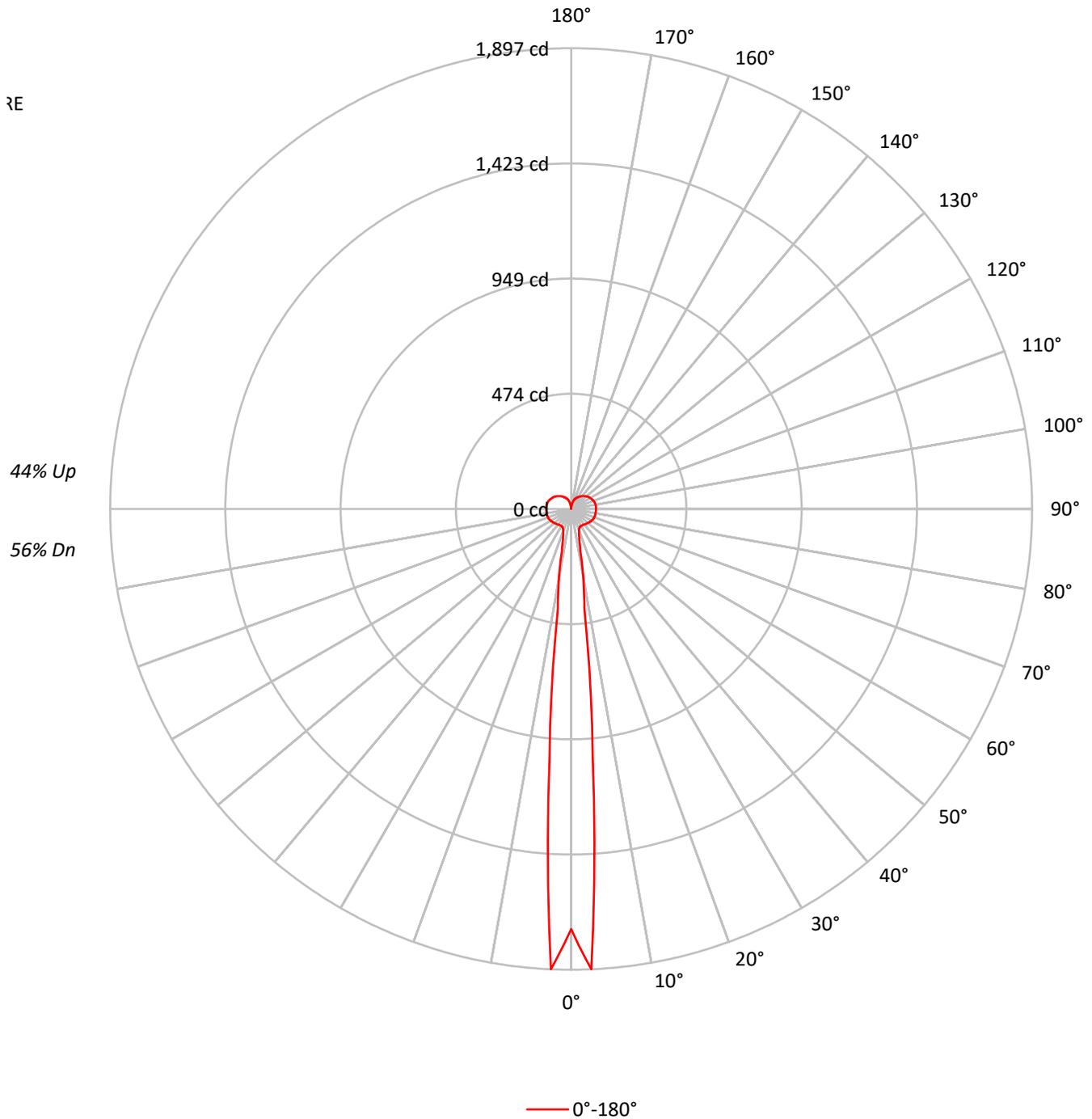
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1192.8 lumens
Efficiency: N/A
Efficacy: 39.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
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 (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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63		59	56	53		48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50		50	46	42		41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41		43	39	35		36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	37	60	48	40	34	41	35	30		35	30	26		29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26		32	27	23		27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24		29	24	21		25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21		27	22	19		23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20		26	21	17		22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18		24	19	16		21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54709
5°	25088
10°	5848
15°	2233
20°	1441
25°	1148
30°	1020
35°	954
40°	922
45°	907
50°	899
55°	905
60°	912
65°	925
70°	933
75°	944
80°	945
85°	964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 986 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	6.1
10°-20°	40.2	3.4
20°-30°	39.1	3.3
30°-40°	51.4	4.3
40°-50°	67.3	5.6
50°-60°	83.8	7.0
60°-70°	98.5	8.3
70°-80°	107.8	9.0
80°-90°	111.5	9.3
90°-100°	111.6	9.4
100°-110°	106.1	8.9
110°-120°	93.9	7.9
120°-130°	77.3	6.5
130°-140°	58.4	4.9
140°-150°	39.4	3.3
150°-160°	23.1	1.9
160°-170°	9.5	0.8
170°-180°	0.9	0.1
0°-30°	152.2	12.8
0°-40°	203.6	17.1
0°-60°	354.7	29.7
0°-90°	672.5	56.4
90°-120°	311.6	26.1
90°-150°	486.8	40.8
90°-180°	520.0	43.6
0°-180°	1192.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1729	
5°	1017	73
15°	128	40
25°	83	39
35°	82	51
45°	87	67
55°	93	84
65°	99	99
75°	102	108
85°	102	83
90°	102	56
95°	102	84
105°	101	106
115°	95	94
125°	86	77
135°	76	58
145°	62	39
155°	50	23
165°	34	10
175°	5	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1729.3
2.5°	1897.0
5°	1017.1
7.5°	413.9
10°	287.5
12.5°	176.1
15°	128.2
17.5°	106.6
20°	94.0
22.5°	87.5
25°	83.3
27.5°	81.5
30°	80.9
32.5°	80.9
35°	81.5
37.5°	82.1
40°	83.9
42.5°	85.1
45°	86.9
47.5°	88.6
50°	89.8
52.5°	91.6
55°	93.4
57.5°	95.2
60°	96.4
62.5°	98.2
65°	99.4
67.5°	100.6
70°	101.2
72.5°	101.8
75°	102.4
77.5°	101.8
80°	101.8
82.5°	101.8
85°	102.4
87.5°	102.4
90°	102.4
92.5°	102.4
95°	102.4
97.5°	102.4
100°	101.8
102.5°	101.2
105°	100.6
107.5°	99.4
110°	98.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	96.4
115°	94.6
117.5°	92.8
120°	90.4
122.5°	88.6
125°	86.3
127.5°	83.9
130°	80.9
132.5°	78.5
135°	75.5
137.5°	71.9
140°	68.9
142.5°	65.9
145°	62.3
147.5°	59.3
150°	56.3
152.5°	52.7
155°	49.7
157.5°	46.1
160°	42.5
162.5°	38.3
165°	33.5
167.5°	27.0
170°	18.6
172.5°	11.4
175°	4.8
177.5°	1.2
180°	0.6



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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	7.3	8.3	8.2	9.2	10.4	7.3	8.3	8.2	9.2	10.4
	3H	10.3	11.2	11.2	12.2	13.3	10.3	11.2	11.2	12.2	13.3
	4H	11.7	12.6	12.6	13.6	14.8	11.7	12.6	12.6	13.6	14.8
	6H	13.1	14.0	14.0	14.9	16.1	13.1	14.0	14.0	14.9	16.1
	8H	13.8	14.6	14.7	15.5	16.8	13.8	14.6	14.7	15.5	16.8
	12H	14.4	15.2	15.4	16.2	17.4	14.4	15.2	15.4	16.2	17.4
4H	2H	8.1	9.0	9.0	9.9	11.1	8.1	9.0	9.0	9.9	11.1
	3H	11.2	12.0	12.1	13.0	14.2	11.2	12.0	12.1	13.0	14.2
	4H	12.8	13.6	13.7	14.5	15.7	12.8	13.6	13.7	14.5	15.7
	6H	14.4	15.0	15.3	16.0	17.2	14.4	15.0	15.3	16.0	17.2
	8H	15.1	15.8	16.1	16.7	18.0	15.1	15.8	16.1	16.7	18.0
	12H	15.9	16.5	16.8	17.4	18.7	15.9	16.5	16.8	17.4	18.7
8H	4H	13.3	13.9	14.3	14.9	16.2	13.3	13.9	14.3	14.9	16.2
	6H	15.1	15.6	16.0	16.6	17.9	15.1	15.6	16.0	16.6	17.9
	8H	16.0	16.5	17.0	17.5	18.7	16.0	16.5	17.0	17.5	18.7
	12H	16.9	17.4	17.9	18.4	19.7	16.9	17.4	17.9	18.4	19.7
12H	4H	13.4	14.0	14.4	15.0	16.2	13.4	14.0	14.4	15.0	16.2
	6H	15.3	15.7	16.2	16.7	18.0	15.3	15.7	16.2	16.7	18.0
	8H	16.2	16.7	17.2	17.7	19.0	16.2	16.7	17.2	17.7	19.0

(END OF REPORT)