

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: P1244816

Luminaire Tested: PRLX-MIN-L-930-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244816
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-930-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

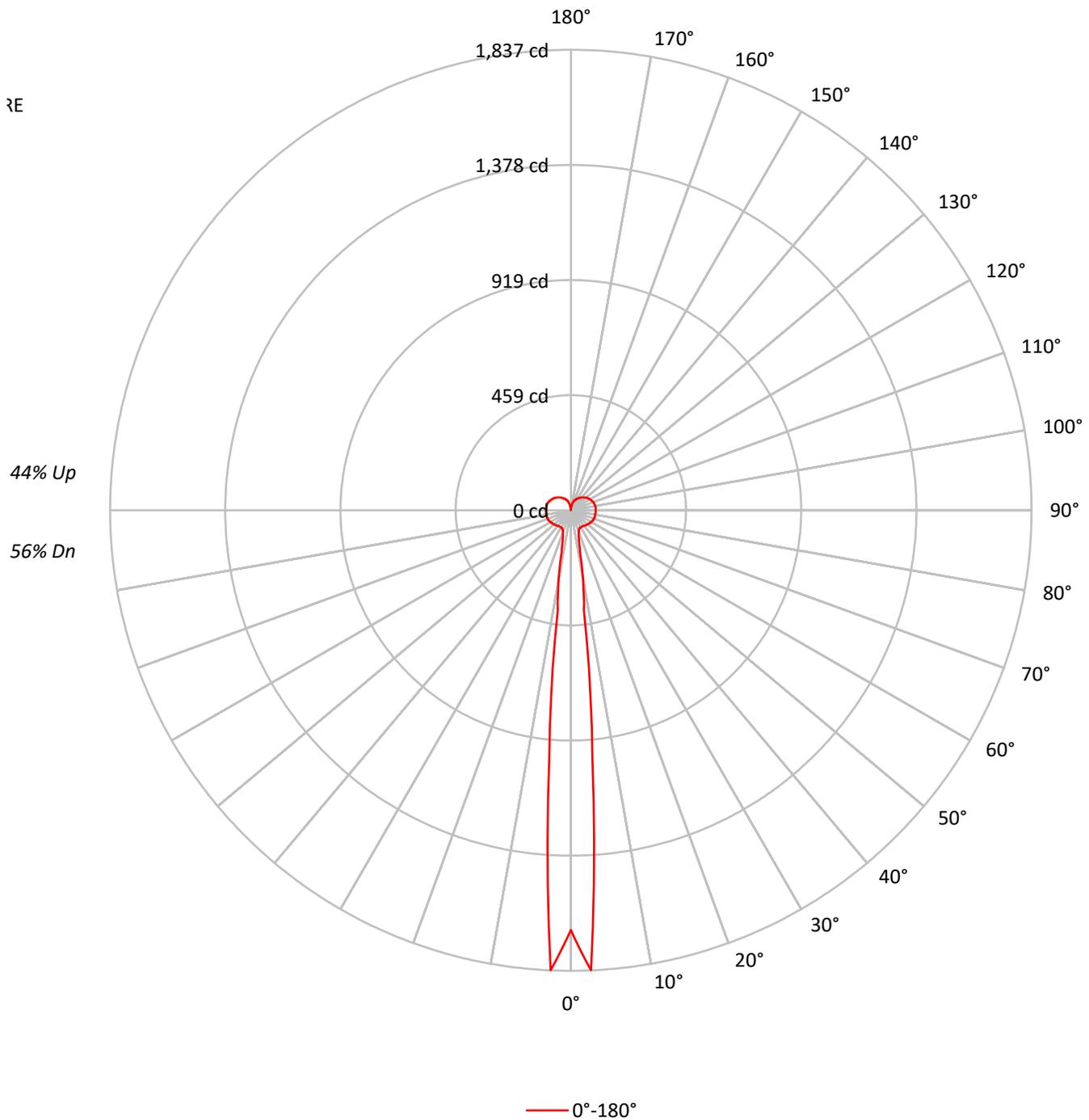
Lumens per Lamp: N/A
Luminaire Lumens: 1155.1 lumens
Efficiency: N/A
Efficacy: 37.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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	36	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°	52966
5°	24289
10°	5663
15°	2161
20°	1395
25°	1111
30°	987
35°	923
40°	893
45°	878
50°	871
55°	877
60°	883
65°	896
70°	904
75°	914
80°	915
85°	934

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 955 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	6.1
10°-20°	38.9	3.4
20°-30°	37.9	3.3
30°-40°	49.7	4.3
40°-50°	65.2	5.6
50°-60°	81.2	7.0
60°-70°	95.4	8.3
70°-80°	104.4	9.0
80°-90°	108.0	9.3
90°-100°	108.2	9.4
100°-110°	102.8	8.9
110°-120°	90.9	7.9
120°-130°	74.9	6.5
130°-140°	56.5	4.9
140°-150°	38.2	3.3
150°-160°	22.4	1.9
160°-170°	9.2	0.8
170°-180°	0.9	0.1
0°-30°	147.4	12.8
0°-40°	197.1	17.1
0°-60°	343.4	29.7
0°-90°	651.3	56.4
90°-120°	301.9	26.1
90°-150°	471.4	40.8
90°-180°	504.0	43.6
0°-180°	1155.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1674	
5°	985	71
15°	124	39
25°	81	38
35°	79	50
45°	84	65
55°	90	81
65°	96	95
75°	99	104
85°	99	81
90°	99	54
95°	99	81
105°	97	103
115°	92	91
125°	84	75
135°	73	57
145°	60	38
155°	48	22
165°	32	9
175°	5	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1674.2
2.5°	1836.6
5°	984.7
7.5°	400.7
10°	278.4
12.5°	170.5
15°	124.1
17.5°	103.2
20°	91.0
22.5°	84.7
25°	80.6
27.5°	78.9
30°	78.3
32.5°	78.3
35°	78.9
37.5°	79.4
40°	81.2
42.5°	82.3
45°	84.1
47.5°	85.8
50°	87.0
52.5°	88.7
55°	90.5
57.5°	92.2
60°	93.4
62.5°	95.1
65°	96.3
67.5°	97.4
70°	98.0
72.5°	98.6
75°	99.2
77.5°	98.6
80°	98.6
82.5°	98.6
85°	99.2
87.5°	99.2
90°	99.2
92.5°	99.2
95°	99.2
97.5°	99.2
100°	98.6
102.5°	98.0
105°	97.4
107.5°	96.3
110°	95.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	93.4
115°	91.6
117.5°	89.9
120°	87.6
122.5°	85.8
125°	83.5
127.5°	81.2
130°	78.3
132.5°	76.0
135°	73.1
137.5°	69.6
140°	66.7
142.5°	63.8
145°	60.3
147.5°	57.4
150°	54.5
152.5°	51.0
155°	48.1
157.5°	44.7
160°	41.2
162.5°	37.1
165°	32.5
167.5°	26.1
170°	18.0
172.5°	11.0
175°	4.6
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	7.2	8.2	8.0	9.1	10.3	7.2	8.2	8.0	9.1	10.3
	3H	10.2	11.1	11.1	12.0	13.2	10.2	11.1	11.1	12.0	13.2
	4H	11.6	12.5	12.5	13.4	14.6	11.6	12.5	12.5	13.4	14.6
	6H	13.0	13.9	13.9	14.8	16.0	13.0	13.9	13.9	14.8	16.0
	8H	13.7	14.5	14.6	15.4	16.6	13.7	14.5	14.6	15.4	16.6
	12H	14.3	15.1	15.2	16.1	17.3	14.3	15.1	15.2	16.1	17.3
4H	2H	7.9	8.9	8.8	9.8	11.0	7.9	8.9	8.8	9.8	11.0
	3H	11.1	11.9	12.0	12.9	14.1	11.1	11.9	12.0	12.9	14.1
	4H	12.7	13.4	13.6	14.4	15.6	12.7	13.4	13.6	14.4	15.6
	6H	14.3	14.9	15.2	15.9	17.1	14.3	14.9	15.2	15.9	17.1
	8H	15.0	15.6	16.0	16.6	17.9	15.0	15.6	16.0	16.6	17.9
	12H	15.8	16.4	16.7	17.3	18.6	15.8	16.4	16.7	17.3	18.6
8H	4H	13.2	13.8	14.1	14.8	16.1	13.2	13.8	14.1	14.8	16.1
	6H	15.0	15.5	15.9	16.5	17.8	15.0	15.5	15.9	16.5	17.8
	8H	15.9	16.4	16.8	17.4	18.6	15.9	16.4	16.8	17.4	18.6
	12H	16.8	17.2	17.8	18.2	19.5	16.8	17.2	17.8	18.2	19.5
12H	4H	13.3	13.9	14.3	14.9	16.1	13.3	13.9	14.3	14.9	16.1
	6H	15.2	15.6	16.1	16.6	17.9	15.2	15.6	16.1	16.6	17.9
	8H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9

(END OF REPORT)