

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: P1245044

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-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

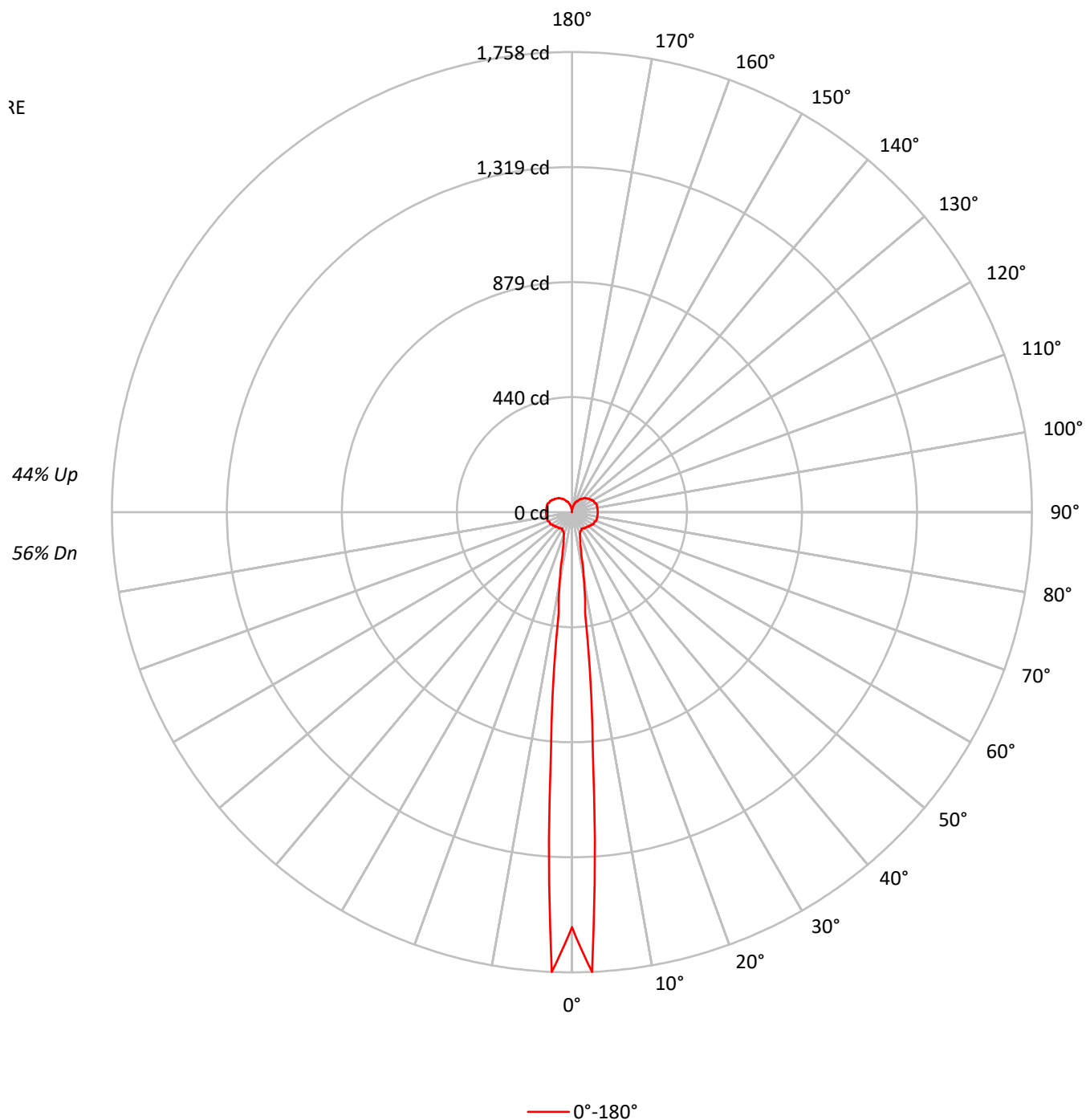
Lumens per Lamp: N/A
Luminaire Lumens: 1146.1 lumens
Efficiency: N/A
Efficacy: 37.6 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (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
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	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	56
1	95	89	83	78		87	82	77	73		70	66	62		58	55	53		48	45	43	38
2	85	76	68	61		78	70	63	57		59	54	49		49	45	42		40	37	34	30
3	77	66	57	50		71	61	53	47		52	45	40		43	38	34		35	31	28	24
4	71	58	49	42		65	54	46	40		46	39	34		38	33	29		31	27	24	20
5	65	52	43	36		60	48	40	34		41	35	30		34	29	25		28	24	21	18
6	60	47	38	32		55	44	36	30		37	31	26		31	26	22		26	22	19	16
7	56	43	34	28		51	40	32	27		34	28	23		29	24	20		24	20	17	15
8	52	39	31	25		48	36	29	24		32	25	21		27	22	18		23	19	16	13
9	49	36	28	23		45	34	27	22		29	23	19		25	20	17		21	17	15	12
10	46	33	26	21		43	31	25	20		27	22	18		24	19	16		20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50166
5°	22715
10°	5408
15°	2144
20°	1358
25°	1086
30°	932
35°	865
40°	866
45°	823
50°	838
55°	858
60°	885
65°	871
70°	909
75°	908
80°	914
85°	927

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	5.9
10°-20°	38.2	3.3
20°-30°	37.2	3.2
30°-40°	47.7	4.2
40°-50°	62.5	5.5
50°-60°	78.5	6.8
60°-70°	93.5	8.2
70°-80°	104.2	9.1
80°-90°	107.5	9.4
90°-100°	107.5	9.4
100°-110°	104.2	9.1
110°-120°	92.9	8.1
120°-130°	76.3	6.7
130°-140°	58.3	5.1
140°-150°	39.2	3.4
150°-160°	21.5	1.9
160°-170°	8.7	0.8
170°-180°	1.1	0.1
0°-30°	142.6	12.4
0°-40°	190.2	16.6
0°-60°	331.2	28.9
0°-90°	636.4	55.5
90°-120°	304.6	26.6
90°-150°	478.4	41.7
90°-180°	510.0	44.5
0°-180°	1146.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1586	
5°	921	67
15°	123	38
25°	79	37
35°	74	48
45°	79	63
55°	89	78
65°	94	94
75°	98	104
85°	98	80
90°	98	54
95°	98	80
105°	98	104
115°	94	93
125°	84	76
135°	74	58
145°	64	39
155°	44	22
165°	30	9
175°	5	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1585.7
2.5°	1758.0
5°	920.9
7.5°	389.0
10°	265.9
12.5°	167.4
15°	123.1
17.5°	103.4
20°	88.6
22.5°	83.7
25°	78.8
27.5°	78.8
30°	73.9
32.5°	73.9
35°	73.9
37.5°	78.8
40°	78.8
42.5°	78.8
45°	78.8
47.5°	83.7
50°	83.7
52.5°	83.7
55°	88.6
57.5°	88.6
60°	93.6
62.5°	93.6
65°	93.6
67.5°	93.6
70°	98.5
72.5°	98.5
75°	98.5
77.5°	98.5
80°	98.5
82.5°	98.5
85°	98.5
87.5°	98.5
90°	98.5
92.5°	98.5
95°	98.5
97.5°	98.5
100°	98.5
102.5°	98.5
105°	98.5
107.5°	98.5
110°	98.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	93.6
115°	93.6
117.5°	93.6
120°	88.6
122.5°	88.6
125°	83.7
127.5°	83.7
130°	78.8
132.5°	78.8
135°	73.9
137.5°	73.9
140°	68.9
142.5°	64.0
145°	64.0
147.5°	59.1
150°	54.2
152.5°	49.2
155°	44.3
157.5°	44.3
160°	39.4
162.5°	34.5
165°	29.5
167.5°	24.6
170°	19.7
172.5°	14.8
175°	4.9
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	6.9	7.9	7.8	8.9	10.1	6.9	7.9	7.8	8.9	10.1
	3H	10.0	10.9	10.9	11.9	13.1	10.0	10.9	10.9	11.9	13.1
	4H	11.5	12.4	12.4	13.3	14.5	11.5	12.4	12.4	13.3	14.5
	6H	12.9	13.8	13.8	14.7	15.9	12.9	13.8	13.8	14.7	15.9
	8H	13.6	14.4	14.5	15.4	16.6	13.6	14.4	14.5	15.4	16.6
	12H	14.3	15.0	15.2	16.0	17.2	14.3	15.0	15.2	16.0	17.2
4H	2H	7.7	8.6	8.6	9.6	10.8	7.7	8.6	8.6	9.6	10.8
	3H	11.0	11.8	11.9	12.7	14.0	11.0	11.8	11.9	12.7	14.0
	4H	12.6	13.3	13.5	14.3	15.5	12.6	13.3	13.5	14.3	15.5
	6H	14.2	14.9	15.1	15.8	17.1	14.2	14.9	15.1	15.8	17.1
	8H	15.0	15.6	15.9	16.6	17.8	15.0	15.6	15.9	16.6	17.8
	12H	15.7	16.3	16.7	17.3	18.6	15.7	16.3	16.7	17.3	18.6
8H	4H	13.1	13.7	14.1	14.7	16.0	13.1	13.7	14.1	14.7	16.0
	6H	14.9	15.5	15.9	16.5	17.7	14.9	15.5	15.9	16.5	17.7
	8H	15.8	16.3	16.8	17.3	18.6	15.8	16.3	16.8	17.3	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	13.2	13.8	14.2	14.8	16.1	13.2	13.8	14.2	14.8	16.1
	6H	15.1	15.6	16.1	16.6	17.9	15.1	15.6	16.1	16.6	17.9
	8H	16.1	16.5	17.1	17.5	18.8	16.1	16.5	17.1	17.5	18.8

(END OF REPORT)