

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: P1244795

Luminaire Tested: PRLX-MIN-L-927-16L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244795
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-927-16L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

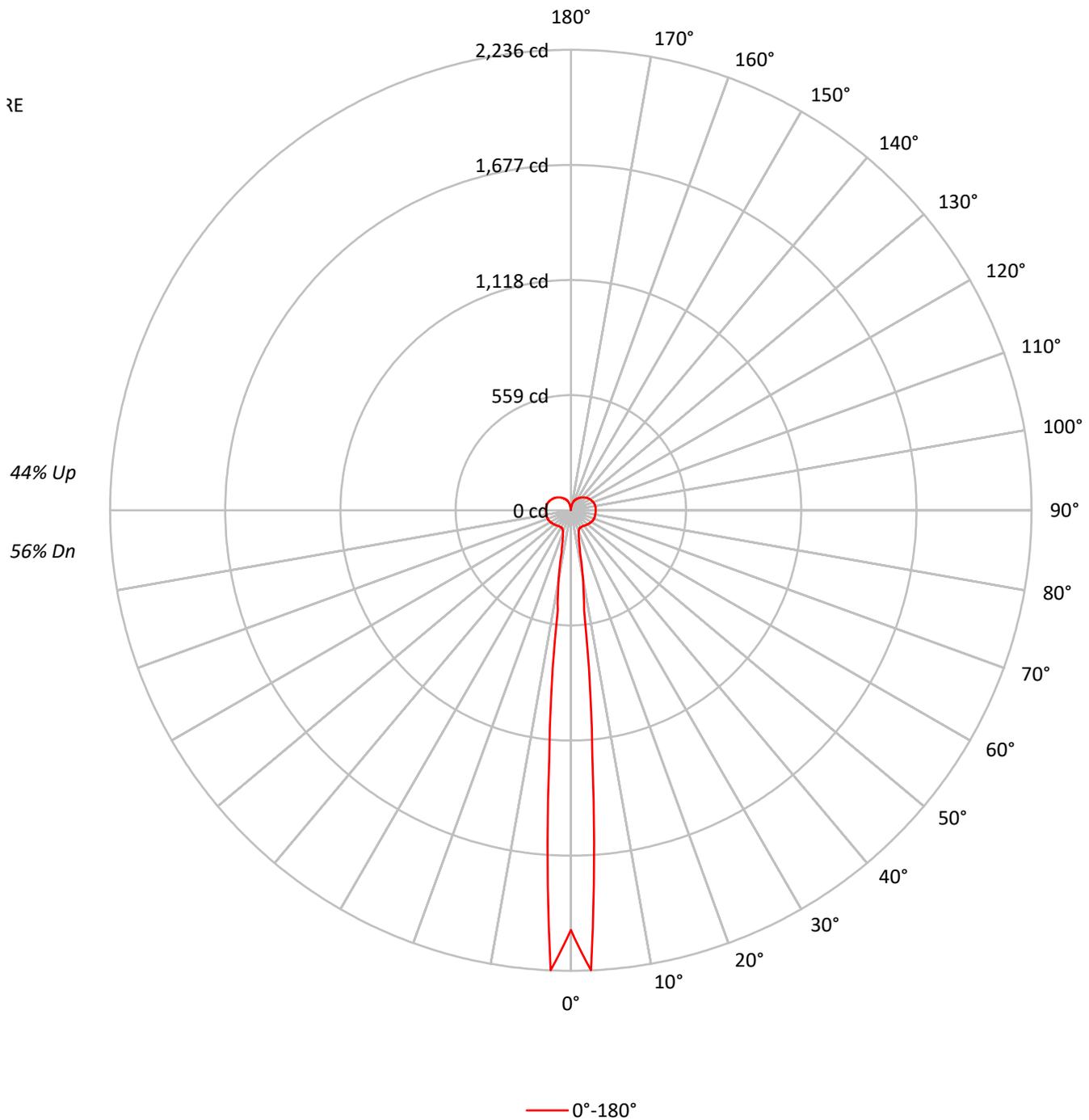
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1406.0 lumens
Efficiency: N/A
Efficacy: 36.2 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): 38.8
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°	64475
5°	29567
10°	6891
15°	2632
20°	1699
25°	1352
30°	1202
35°	1123
40°	1086
45°	1069
50°	1060
55°	1067
60°	1075
65°	1090
70°	1100
75°	1112
80°	1113
85°	1136

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1162 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	6.1
10°-20°	47.3	3.4
20°-30°	46.1	3.3
30°-40°	60.5	4.3
40°-50°	79.4	5.6
50°-60°	98.8	7.0
60°-70°	116.2	8.3
70°-80°	127.0	9.0
80°-90°	131.4	9.3
90°-100°	131.6	9.4
100°-110°	125.1	8.9
110°-120°	110.7	7.9
120°-130°	91.1	6.5
130°-140°	68.8	4.9
140°-150°	46.5	3.3
150°-160°	27.2	1.9
160°-170°	11.2	0.8
170°-180°	1.1	0.1
0°-30°	179.4	12.8
0°-40°	239.9	17.1
0°-60°	418.1	29.7
0°-90°	792.7	56.4
90°-120°	367.4	26.1
90°-150°	573.8	40.8
90°-180°	613.0	43.6
0°-180°	1406.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2038	
5°	1199	86
15°	151	47
25°	98	46
35°	96	61
45°	102	79
55°	110	99
65°	117	116
75°	121	127
85°	121	98
90°	121	66
95°	121	99
105°	119	125
115°	112	111
125°	102	91
135°	89	69
145°	73	46
155°	59	27
165°	40	11
175°	6	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2038.0
2.5°	2235.7
5°	1198.7
7.5°	487.8
10°	338.8
12.5°	207.5
15°	151.1
17.5°	125.7
20°	110.8
22.5°	103.1
25°	98.1
27.5°	96.0
30°	95.3
32.5°	95.3
35°	96.0
37.5°	96.7
40°	98.8
42.5°	100.2
45°	102.4
47.5°	104.5
50°	105.9
52.5°	108.0
55°	110.1
57.5°	112.2
60°	113.7
62.5°	115.8
65°	117.2
67.5°	118.6
70°	119.3
72.5°	120.0
75°	120.7
77.5°	120.0
80°	120.0
82.5°	120.0
85°	120.7
87.5°	120.7
90°	120.7
92.5°	120.7
95°	120.7
97.5°	120.7
100°	120.0
102.5°	119.3
105°	118.6
107.5°	117.2
110°	115.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	113.7
115°	111.5
117.5°	109.4
120°	106.6
122.5°	104.5
125°	101.7
127.5°	98.8
130°	95.3
132.5°	92.5
135°	88.9
137.5°	84.7
140°	81.2
142.5°	77.7
145°	73.4
147.5°	69.9
150°	66.4
152.5°	62.1
155°	58.6
157.5°	54.4
160°	50.1
162.5°	45.2
165°	39.5
167.5°	31.8
170°	21.9
172.5°	13.4
175°	5.6
177.5°	1.4
180°	0.7



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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	7.8	8.9	8.7	9.8	11.0	7.8	8.9	8.7	9.8	11.0
	3H	10.8	11.8	11.7	12.7	13.9	10.8	11.8	11.7	12.7	13.9
	4H	12.3	13.2	13.2	14.1	15.3	12.3	13.2	13.2	14.1	15.3
	6H	13.7	14.5	14.6	15.5	16.7	13.7	14.5	14.6	15.5	16.7
	8H	14.3	15.2	15.3	16.1	17.3	14.3	15.2	15.3	16.1	17.3
	12H	15.0	15.8	15.9	16.7	18.0	15.0	15.8	15.9	16.7	18.0
4H	2H	8.6	9.5	9.5	10.5	11.7	8.6	9.5	9.5	10.5	11.7
	3H	11.8	12.6	12.7	13.6	14.8	11.8	12.6	12.7	13.6	14.8
	4H	13.4	14.1	14.3	15.1	16.3	13.4	14.1	14.3	15.1	16.3
	6H	14.9	15.6	15.9	16.6	17.8	14.9	15.6	15.9	16.6	17.8
	8H	15.7	16.3	16.6	17.3	18.5	15.7	16.3	16.6	17.3	18.5
	12H	16.5	17.0	17.4	18.0	19.3	16.5	17.0	17.4	18.0	19.3
8H	4H	13.9	14.5	14.8	15.5	16.7	13.9	14.5	14.8	15.5	16.7
	6H	15.6	16.2	16.6	17.2	18.4	15.6	16.2	16.6	17.2	18.4
	8H	16.6	17.0	17.5	18.0	19.3	16.6	17.0	17.5	18.0	19.3
	12H	17.5	17.9	18.5	18.9	20.2	17.5	17.9	18.5	18.9	20.2
12H	4H	14.0	14.6	15.0	15.6	16.8	14.0	14.6	15.0	15.6	16.8
	6H	15.8	16.3	16.8	17.3	18.6	15.8	16.3	16.8	17.3	18.6
	8H	16.8	17.3	17.8	18.2	19.6	16.8	17.3	17.8	18.2	19.6

(END OF REPORT)