

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: P1245089

Luminaire Tested: PRLX-NIM-L-935-23L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245089
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-935-23L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

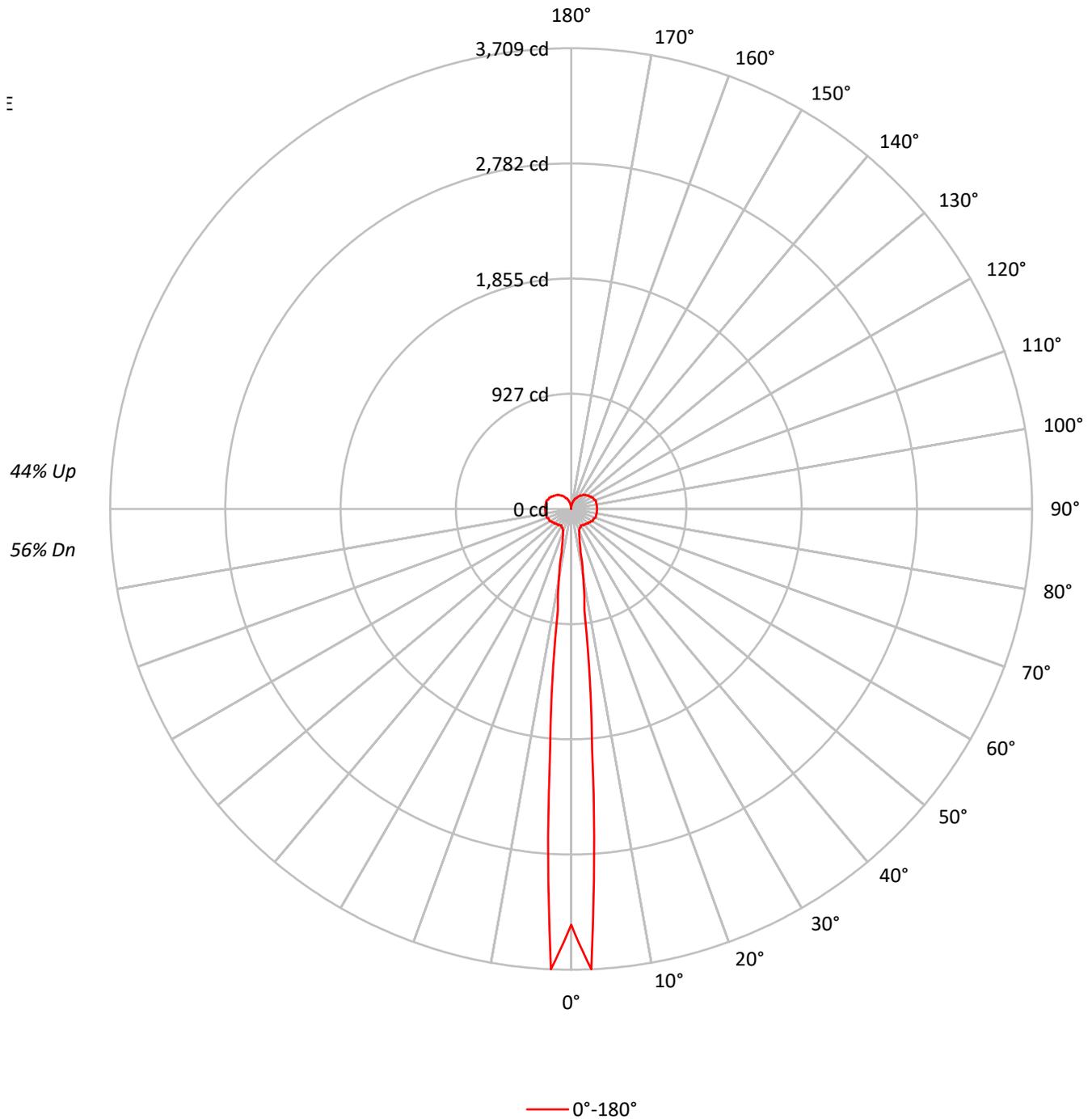
Lumens per Lamp: N/A
Luminaire Lumens: 2417.8 lumens
Efficiency: N/A
Efficacy: 41.5 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 58.2
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	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°	105846
5°	47926
10°	11413
15°	4525
20°	2867
25°	2291
30°	1966
35°	1824
40°	1827
45°	1735
50°	1768
55°	1812
60°	1867
65°	1836
70°	1917
75°	1915
80°	1928
85°	1956

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2001 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.8	5.9
10°-20°	80.6	3.3
20°-30°	78.4	3.2
30°-40°	100.5	4.2
40°-50°	131.9	5.5
50°-60°	165.6	6.8
60°-70°	197.3	8.2
70°-80°	219.8	9.1
80°-90°	226.7	9.4
90°-100°	226.7	9.4
100°-110°	219.8	9.1
110°-120°	196.0	8.1
120°-130°	160.9	6.7
130°-140°	122.9	5.1
140°-150°	82.8	3.4
150°-160°	45.4	1.9
160°-170°	18.3	0.8
170°-180°	2.2	0.1
0°-30°	300.8	12.4
0°-40°	401.3	16.6
0°-60°	698.8	28.9
0°-90°	1342.7	55.5
90°-120°	642.6	26.6
90°-150°	1009.2	41.7
90°-180°	1075.0	44.5
0°-180°	2417.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3346	
5°	1943	142
15°	260	81
25°	166	78
35°	156	101
45°	166	132
55°	187	166
65°	197	197
75°	208	220
85°	208	170
90°	208	114
95°	208	170
105°	208	220
115°	197	196
125°	177	161
135°	156	123
145°	135	83
155°	94	45
165°	62	18
175°	10	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3345.7
2.5°	3709.4
5°	1943.0
7.5°	820.8
10°	561.1
12.5°	353.3
15°	259.8
17.5°	218.2
20°	187.0
22.5°	176.6
25°	166.2
27.5°	166.2
30°	155.9
32.5°	155.9
35°	155.9
37.5°	166.2
40°	166.2
42.5°	166.2
45°	166.2
47.5°	176.6
50°	176.6
52.5°	176.6
55°	187.0
57.5°	187.0
60°	197.4
62.5°	197.4
65°	197.4
67.5°	197.4
70°	207.8
72.5°	207.8
75°	207.8
77.5°	207.8
80°	207.8
82.5°	207.8
85°	207.8
87.5°	207.8
90°	207.8
92.5°	207.8
95°	207.8
97.5°	207.8
100°	207.8
102.5°	207.8
105°	207.8
107.5°	207.8
110°	207.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	197.4
115°	197.4
117.5°	197.4
120°	187.0
122.5°	187.0
125°	176.6
127.5°	176.6
130°	166.2
132.5°	166.2
135°	155.9
137.5°	155.9
140°	145.5
142.5°	135.1
145°	135.1
147.5°	124.7
150°	114.3
152.5°	103.9
155°	93.5
157.5°	93.5
160°	83.1
162.5°	72.7
165°	62.3
167.5°	52.0
170°	41.6
172.5°	31.2
175°	10.4
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	9.5	10.5	10.4	11.5	12.6	9.5	10.5	10.4	11.5	12.6
	3H	12.6	13.5	13.5	14.5	15.7	12.6	13.5	13.5	14.5	15.7
	4H	14.1	15.0	15.0	15.9	17.1	14.1	15.0	15.0	15.9	17.1
	6H	15.5	16.4	16.4	17.3	18.5	15.5	16.4	16.4	17.3	18.5
	8H	16.2	17.0	17.1	18.0	19.2	16.2	17.0	17.1	18.0	19.2
	12H	16.9	17.6	17.8	18.6	19.8	16.9	17.6	17.8	18.6	19.8
4H	2H	10.3	11.2	11.2	12.2	13.4	10.3	11.2	11.2	12.2	13.4
	3H	13.6	14.4	14.5	15.3	16.6	13.6	14.4	14.5	15.3	16.6
	4H	15.2	15.9	16.1	16.9	18.1	15.2	15.9	16.1	16.9	18.1
	6H	16.8	17.4	17.7	18.4	19.7	16.8	17.4	17.7	18.4	19.7
	8H	17.6	18.2	18.5	19.2	20.4	17.6	18.2	18.5	19.2	20.4
	12H	18.3	18.9	19.3	19.9	21.2	18.3	18.9	19.3	19.9	21.2
8H	4H	15.7	16.3	16.7	17.3	18.6	15.7	16.3	16.7	17.3	18.6
	6H	17.5	18.0	18.5	19.1	20.3	17.5	18.0	18.5	19.1	20.3
	8H	18.4	18.9	19.4	19.9	21.2	18.4	18.9	19.4	19.9	21.2
	12H	19.4	19.8	20.3	20.8	22.1	19.4	19.8	20.3	20.8	22.1
12H	4H	15.8	16.4	16.8	17.4	18.7	15.8	16.4	16.8	17.4	18.7
	6H	17.7	18.2	18.7	19.2	20.5	17.7	18.2	18.7	19.2	20.5
	8H	18.7	19.1	19.7	20.1	21.4	18.7	19.1	19.7	20.1	21.4

(END OF REPORT)