

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: P1245085

Luminaire Tested: PRLX-NIM-L-935-20L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245085
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-935-20L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

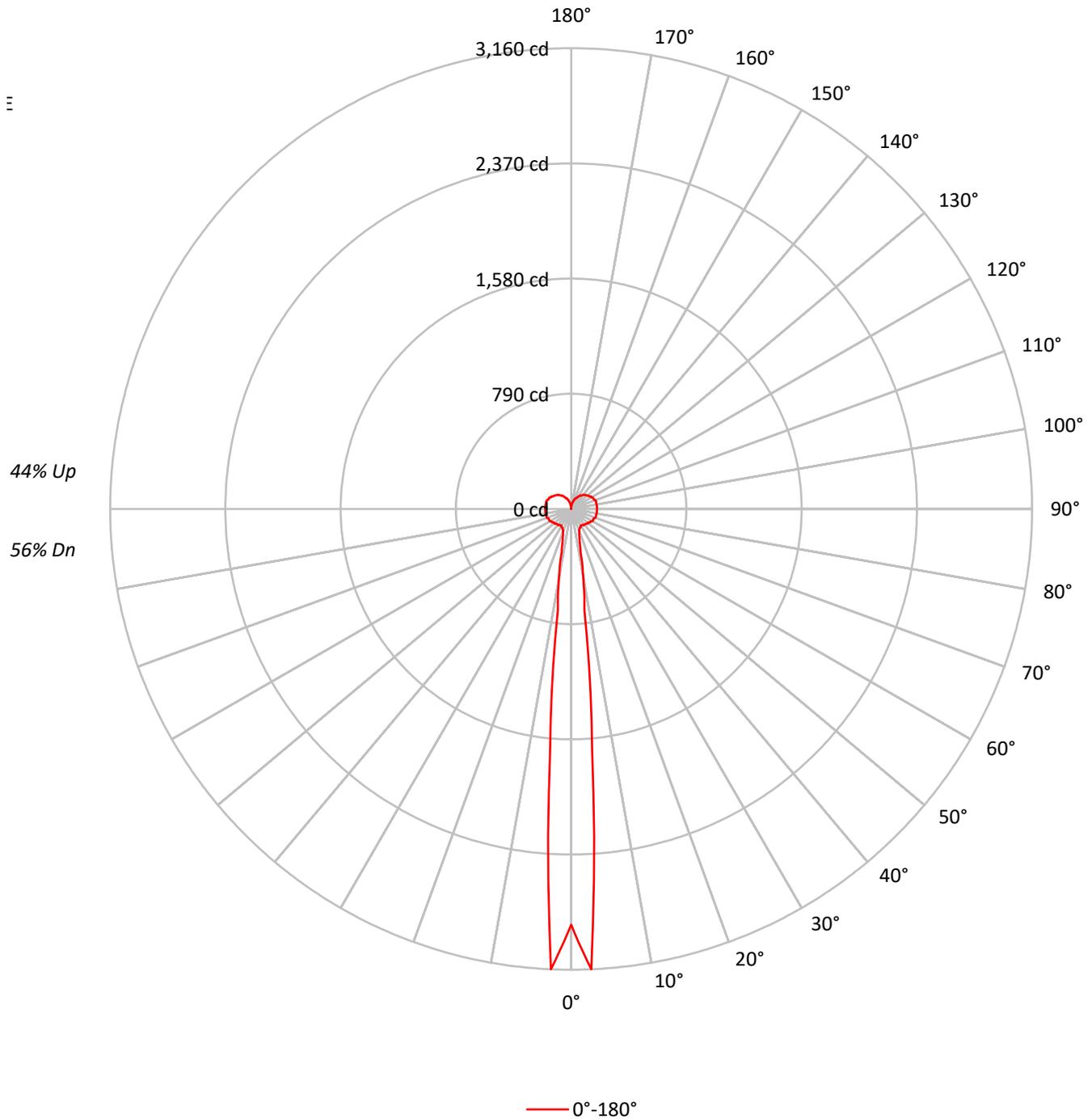
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2059.8 lumens
Efficiency: N/A
Efficacy: 42.4 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): 48.6
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°	90176
5°	40830
10°	9722
15°	3854
20°	2442
25°	1952
30°	1674
35°	1554
40°	1556
45°	1478
50°	1507
55°	1543
60°	1590
65°	1565
70°	1633
75°	1631
80°	1642
85°	1666

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1704 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	5.9
10°-20°	68.7	3.3
20°-30°	66.8	3.2
30°-40°	85.6	4.2
40°-50°	112.4	5.5
50°-60°	141.1	6.9
60°-70°	168.1	8.2
70°-80°	187.3	9.1
80°-90°	193.1	9.4
90°-100°	193.1	9.4
100°-110°	187.3	9.1
110°-120°	167.0	8.1
120°-130°	137.1	6.7
130°-140°	104.7	5.1
140°-150°	70.5	3.4
150°-160°	38.7	1.9
160°-170°	15.6	0.8
170°-180°	1.9	0.1
0°-30°	256.3	12.4
0°-40°	341.9	16.6
0°-60°	595.4	28.9
0°-90°	1143.9	55.5
90°-120°	547.4	26.6
90°-150°	859.7	41.7
90°-180°	916.0	44.5
0°-180°	2059.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2850	
5°	1655	121
15°	221	69
25°	142	67
35°	133	86
45°	142	112
55°	159	141
65°	168	168
75°	177	187
85°	177	145
90°	177	97
95°	177	145
105°	177	187
115°	168	167
125°	150	137
135°	133	105
145°	115	70
155°	80	39
165°	53	16
175°	9	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2850.4
2.5°	3160.2
5°	1655.3
7.5°	699.3
10°	478.0
12.5°	301.0
15°	221.3
17.5°	185.9
20°	159.3
22.5°	150.5
25°	141.6
27.5°	141.6
30°	132.8
32.5°	132.8
35°	132.8
37.5°	141.6
40°	141.6
42.5°	141.6
45°	141.6
47.5°	150.5
50°	150.5
52.5°	150.5
55°	159.3
57.5°	159.3
60°	168.2
62.5°	168.2
65°	168.2
67.5°	168.2
70°	177.0
72.5°	177.0
75°	177.0
77.5°	177.0
80°	177.0
82.5°	177.0
85°	177.0
87.5°	177.0
90°	177.0
92.5°	177.0
95°	177.0
97.5°	177.0
100°	177.0
102.5°	177.0
105°	177.0
107.5°	177.0
110°	177.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	168.2
115°	168.2
117.5°	168.2
120°	159.3
122.5°	159.3
125°	150.5
127.5°	150.5
130°	141.6
132.5°	141.6
135°	132.8
137.5°	132.8
140°	123.9
142.5°	115.1
145°	115.1
147.5°	106.2
150°	97.4
152.5°	88.5
155°	79.7
157.5°	79.7
160°	70.8
162.5°	62.0
165°	53.1
167.5°	44.3
170°	35.4
172.5°	26.6
175°	8.9
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	9.0	10.0	9.8	10.9	12.1	9.0	10.0	9.8	10.9	12.1
	3H	12.0	13.0	12.9	13.9	15.1	12.0	13.0	12.9	13.9	15.1
	4H	13.5	14.4	14.4	15.4	16.6	13.5	14.4	14.4	15.4	16.6
	6H	15.0	15.8	15.9	16.7	18.0	15.0	15.8	15.9	16.7	18.0
	8H	15.6	16.4	16.6	17.4	18.6	15.6	16.4	16.6	17.4	18.6
	12H	16.3	17.1	17.2	18.0	19.3	16.3	17.1	17.2	18.0	19.3
4H	2H	9.8	10.7	10.7	11.6	12.8	9.8	10.7	10.7	11.6	12.8
	3H	13.0	13.8	13.9	14.8	16.0	13.0	13.8	13.9	14.8	16.0
	4H	14.6	15.4	15.6	16.3	17.6	14.6	15.4	15.6	16.3	17.6
	6H	16.2	16.9	17.2	17.9	19.1	16.2	16.9	17.2	17.9	19.1
	8H	17.0	17.6	17.9	18.6	19.9	17.0	17.6	17.9	18.6	19.9
	12H	17.8	18.3	18.7	19.3	20.6	17.8	18.3	18.7	19.3	20.6
8H	4H	15.2	15.8	16.1	16.8	18.0	15.2	15.8	16.1	16.8	18.0
	6H	17.0	17.5	17.9	18.5	19.8	17.0	17.5	17.9	18.5	19.8
	8H	17.9	18.4	18.8	19.4	20.6	17.9	18.4	18.8	19.4	20.6
	12H	18.8	19.2	19.8	20.2	21.6	18.8	19.2	19.8	20.2	21.6
12H	4H	15.3	15.8	16.2	16.8	18.1	15.3	15.8	16.2	16.8	18.1
	6H	17.1	17.6	18.1	18.6	19.9	17.1	17.6	18.1	18.6	19.9
	8H	18.1	18.6	19.1	19.6	20.9	18.1	18.6	19.1	19.6	20.9

(END OF REPORT)