

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: P1245120

Luminaire Tested: PRLX-NIM-L-940-23L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245120
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-940-23L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

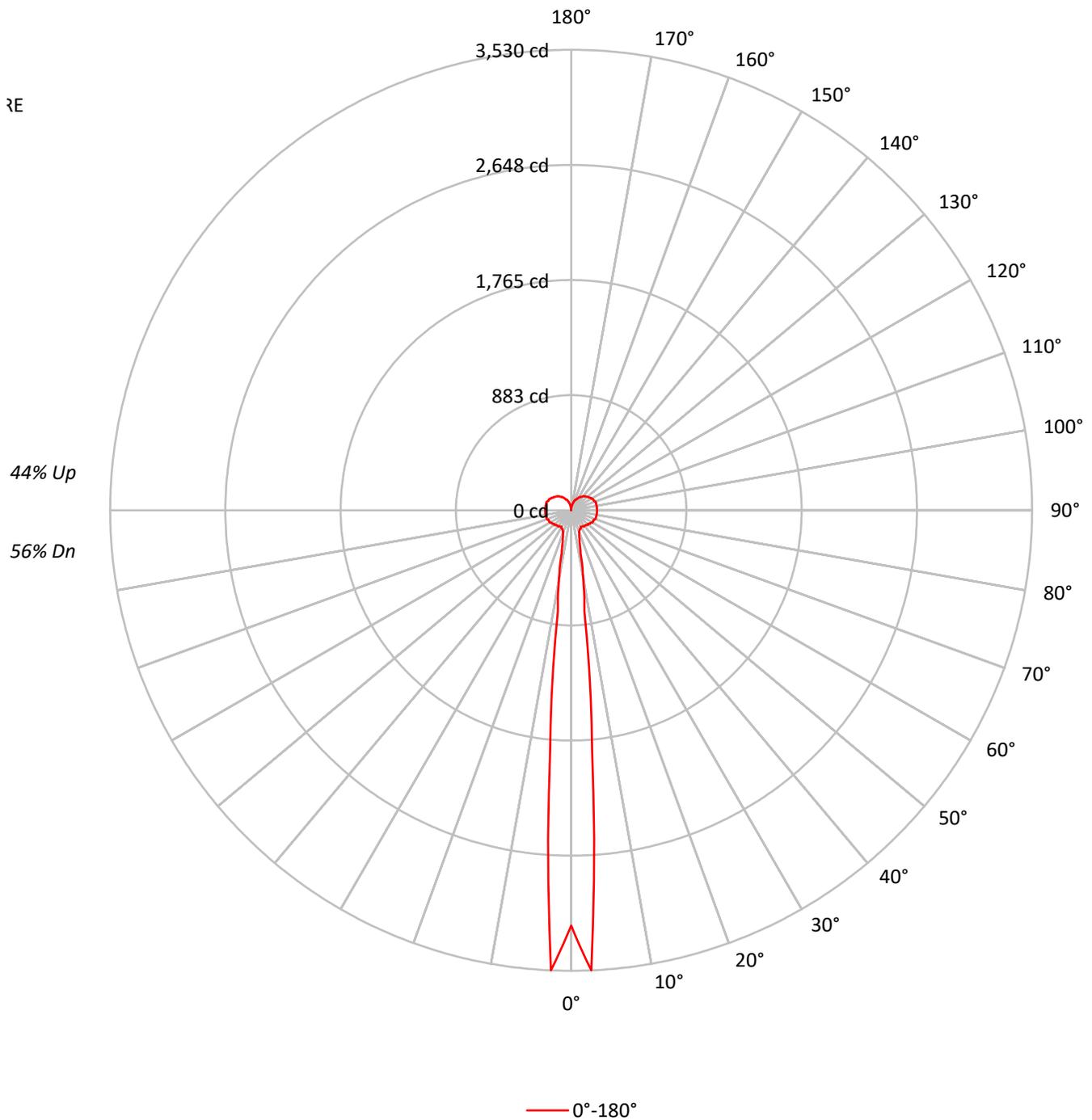
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2301.3 lumens
Efficiency: N/A
Efficacy: 39.5 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 (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°	100724
5°	45608
10°	10859
15°	4306
20°	2729
25°	2181
30°	1870
35°	1735
40°	1739
45°	1651
50°	1683
55°	1725
60°	1777
65°	1748
70°	1824
75°	1823
80°	1835
85°	1862

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1904 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.0	5.9
10°-20°	76.7	3.3
20°-30°	74.6	3.2
30°-40°	95.7	4.2
40°-50°	125.5	5.5
50°-60°	157.6	6.9
60°-70°	187.8	8.2
70°-80°	209.3	9.1
80°-90°	215.8	9.4
90°-100°	215.8	9.4
100°-110°	209.3	9.1
110°-120°	186.6	8.1
120°-130°	153.2	6.7
130°-140°	117.0	5.1
140°-150°	78.7	3.4
150°-160°	43.3	1.9
160°-170°	17.4	0.8
170°-180°	2.1	0.1
0°-30°	286.3	12.4
0°-40°	381.9	16.6
0°-60°	665.1	28.9
0°-90°	1278.0	55.5
90°-120°	611.7	26.6
90°-150°	960.6	41.7
90°-180°	1023.0	44.5
0°-180°	2301.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3184	
5°	1849	135
15°	247	77
25°	158	75
35°	148	96
45°	158	126
55°	178	158
65°	188	188
75°	198	209
85°	198	162
90°	198	108
95°	198	162
105°	198	209
115°	188	187
125°	168	153
135°	148	117
145°	128	79
155°	89	43
165°	59	17
175°	10	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3183.8
2.5°	3529.9
5°	1849.0
7.5°	781.1
10°	533.9
12.5°	336.2
15°	247.2
17.5°	207.6
20°	178.0
22.5°	168.1
25°	158.2
27.5°	158.2
30°	148.3
32.5°	148.3
35°	148.3
37.5°	158.2
40°	158.2
42.5°	158.2
45°	158.2
47.5°	168.1
50°	168.1
52.5°	168.1
55°	178.0
57.5°	178.0
60°	187.9
62.5°	187.9
65°	187.9
67.5°	187.9
70°	197.8
72.5°	197.8
75°	197.8
77.5°	197.8
80°	197.8
82.5°	197.8
85°	197.8
87.5°	197.8
90°	197.8
92.5°	197.8
95°	197.8
97.5°	197.8
100°	197.8
102.5°	197.8
105°	197.8
107.5°	197.8
110°	197.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	187.9
115°	187.9
117.5°	187.9
120°	178.0
122.5°	178.0
125°	168.1
127.5°	168.1
130°	158.2
132.5°	158.2
135°	148.3
137.5°	148.3
140°	138.4
142.5°	128.5
145°	128.5
147.5°	118.7
150°	108.8
152.5°	98.9
155°	89.0
157.5°	89.0
160°	79.1
162.5°	69.2
165°	59.3
167.5°	49.4
170°	39.6
172.5°	29.7
175°	9.9
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	9.3	10.4	10.2	11.3	12.5	9.3	10.4	10.2	11.3	12.5
	3H	12.4	13.4	13.3	14.3	15.5	12.4	13.4	13.3	14.3	15.5
	4H	13.9	14.8	14.8	15.7	17.0	13.9	14.8	14.8	15.7	17.0
	6H	15.3	16.2	16.3	17.1	18.4	15.3	16.2	16.3	17.1	18.4
	8H	16.0	16.8	16.9	17.8	19.0	16.0	16.8	16.9	17.8	19.0
	12H	16.7	17.5	17.6	18.4	19.7	16.7	17.5	17.6	18.4	19.7
4H	2H	10.1	11.0	11.0	12.0	13.2	10.1	11.0	11.0	12.0	13.2
	3H	13.4	14.2	14.3	15.2	16.4	13.4	14.2	14.3	15.2	16.4
	4H	15.0	15.8	16.0	16.7	18.0	15.0	15.8	16.0	16.7	18.0
	6H	16.6	17.3	17.6	18.3	19.5	16.6	17.3	17.6	18.3	19.5
	8H	17.4	18.0	18.3	19.0	20.2	17.4	18.0	18.3	19.0	20.2
	12H	18.2	18.7	19.1	19.7	21.0	18.2	18.7	19.1	19.7	21.0
8H	4H	15.5	16.2	16.5	17.1	18.4	15.5	16.2	16.5	17.1	18.4
	6H	17.3	17.9	18.3	18.9	20.1	17.3	17.9	18.3	18.9	20.1
	8H	18.3	18.7	19.2	19.7	21.0	18.3	18.7	19.2	19.7	21.0
	12H	19.2	19.6	20.2	20.6	21.9	19.2	19.6	20.2	20.6	21.9
12H	4H	15.7	16.2	16.6	17.2	18.5	15.7	16.2	16.6	17.2	18.5
	6H	17.5	18.0	18.5	19.0	20.3	17.5	18.0	18.5	19.0	20.3
	8H	18.5	19.0	19.5	20.0	21.3	18.5	19.0	19.5	20.0	21.3

(END OF REPORT)