

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: P1245116

Luminaire Tested: PRLX-NIM-L-940-20L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245116
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-940-20L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

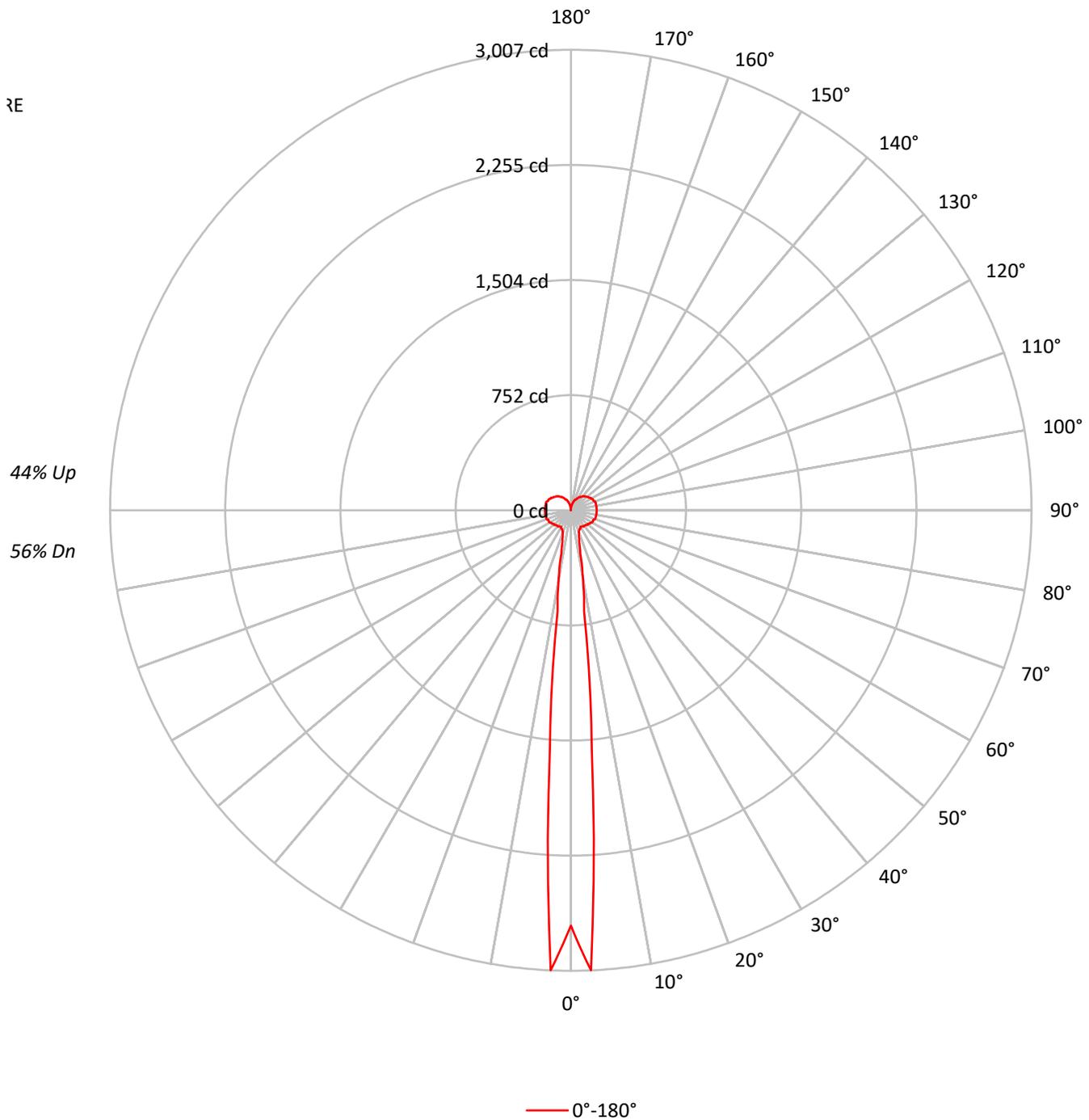
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1959.8 lumens
Efficiency: N/A
Efficacy: 40.3 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 (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°	85798
5°	38849
10°	9250
15°	3668
20°	2324
25°	1858
30°	1593
35°	1478
40°	1482
45°	1407
50°	1434
55°	1469
60°	1513
65°	1488
70°	1553
75°	1552
80°	1562
85°	1585

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1621 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.0	5.9
10°-20°	65.3	3.3
20°-30°	63.5	3.2
30°-40°	81.5	4.2
40°-50°	107.0	5.5
50°-60°	134.3	6.9
60°-70°	159.9	8.2
70°-80°	178.2	9.1
80°-90°	183.7	9.4
90°-100°	183.7	9.4
100°-110°	178.2	9.1
110°-120°	158.9	8.1
120°-130°	130.5	6.7
130°-140°	99.6	5.1
140°-150°	67.1	3.4
150°-160°	36.8	1.9
160°-170°	14.8	0.8
170°-180°	1.8	0.1
0°-30°	243.9	12.4
0°-40°	325.3	16.6
0°-60°	566.6	28.9
0°-90°	1088.4	55.5
90°-120°	520.8	26.6
90°-150°	818.0	41.7
90°-180°	871.0	44.4
0°-180°	1959.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2712	
5°	1575	115
15°	211	65
25°	135	64
35°	126	81
45°	135	107
55°	152	134
65°	160	160
75°	168	178
85°	168	138
90°	168	92
95°	168	138
105°	168	178
115°	160	159
125°	143	131
135°	126	100
145°	110	67
155°	76	37
165°	50	15
175°	8	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2712.0
2.5°	3006.8
5°	1575.0
7.5°	665.4
10°	454.8
12.5°	286.4
15°	210.6
17.5°	176.9
20°	151.6
22.5°	143.2
25°	134.8
27.5°	134.8
30°	126.3
32.5°	126.3
35°	126.3
37.5°	134.8
40°	134.8
42.5°	134.8
45°	134.8
47.5°	143.2
50°	143.2
52.5°	143.2
55°	151.6
57.5°	151.6
60°	160.0
62.5°	160.0
65°	160.0
67.5°	160.0
70°	168.4
72.5°	168.4
75°	168.4
77.5°	168.4
80°	168.4
82.5°	168.4
85°	168.4
87.5°	168.4
90°	168.4
92.5°	168.4
95°	168.4
97.5°	168.4
100°	168.4
102.5°	168.4
105°	168.4
107.5°	168.4
110°	168.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	160.0
115°	160.0
117.5°	160.0
120°	151.6
122.5°	151.6
125°	143.2
127.5°	143.2
130°	134.8
132.5°	134.8
135°	126.3
137.5°	126.3
140°	117.9
142.5°	109.5
145°	109.5
147.5°	101.1
150°	92.6
152.5°	84.2
155°	75.8
157.5°	75.8
160°	67.4
162.5°	59.0
165°	50.5
167.5°	42.1
170°	33.7
172.5°	25.3
175°	8.4
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	8.8	9.8	9.7	10.7	11.9	8.8	9.8	9.7	10.7	11.9
	3H	11.9	12.8	12.7	13.7	14.9	11.9	12.8	12.7	13.7	14.9
	4H	13.3	14.2	14.2	15.2	16.4	13.3	14.2	14.2	15.2	16.4
	6H	14.8	15.6	15.7	16.6	17.8	14.8	15.6	15.7	16.6	17.8
	8H	15.5	16.3	16.4	17.2	18.5	15.5	16.3	16.4	17.2	18.5
	12H	16.1	16.9	17.1	17.9	19.1	16.1	16.9	17.1	17.9	19.1
4H	2H	9.6	10.5	10.5	11.4	12.6	9.6	10.5	10.5	11.4	12.6
	3H	12.8	13.6	13.8	14.6	15.8	12.8	13.6	13.8	14.6	15.8
	4H	14.5	15.2	15.4	16.2	17.4	14.5	15.2	15.4	16.2	17.4
	6H	16.1	16.7	17.0	17.7	18.9	16.1	16.7	17.0	17.7	18.9
	8H	16.8	17.5	17.8	18.4	19.7	16.8	17.5	17.8	18.4	19.7
	12H	17.6	18.2	18.6	19.2	20.4	17.6	18.2	18.6	19.2	20.4
8H	4H	15.0	15.6	15.9	16.6	17.8	15.0	15.6	15.9	16.6	17.8
	6H	16.8	17.3	17.7	18.3	19.6	16.8	17.3	17.7	18.3	19.6
	8H	17.7	18.2	18.7	19.2	20.5	17.7	18.2	18.7	19.2	20.5
	12H	18.6	19.1	19.6	20.1	21.4	18.6	19.1	19.6	20.1	21.4
12H	4H	15.1	15.7	16.1	16.7	17.9	15.1	15.7	16.1	16.7	17.9
	6H	17.0	17.4	17.9	18.4	19.7	17.0	17.4	17.9	18.4	19.7
	8H	18.0	18.4	18.9	19.4	20.7	18.0	18.4	18.9	19.4	20.7

(END OF REPORT)