

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: P1244822

Luminaire Tested: PRLX-MIN-L-930-20L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244822
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-930-20L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

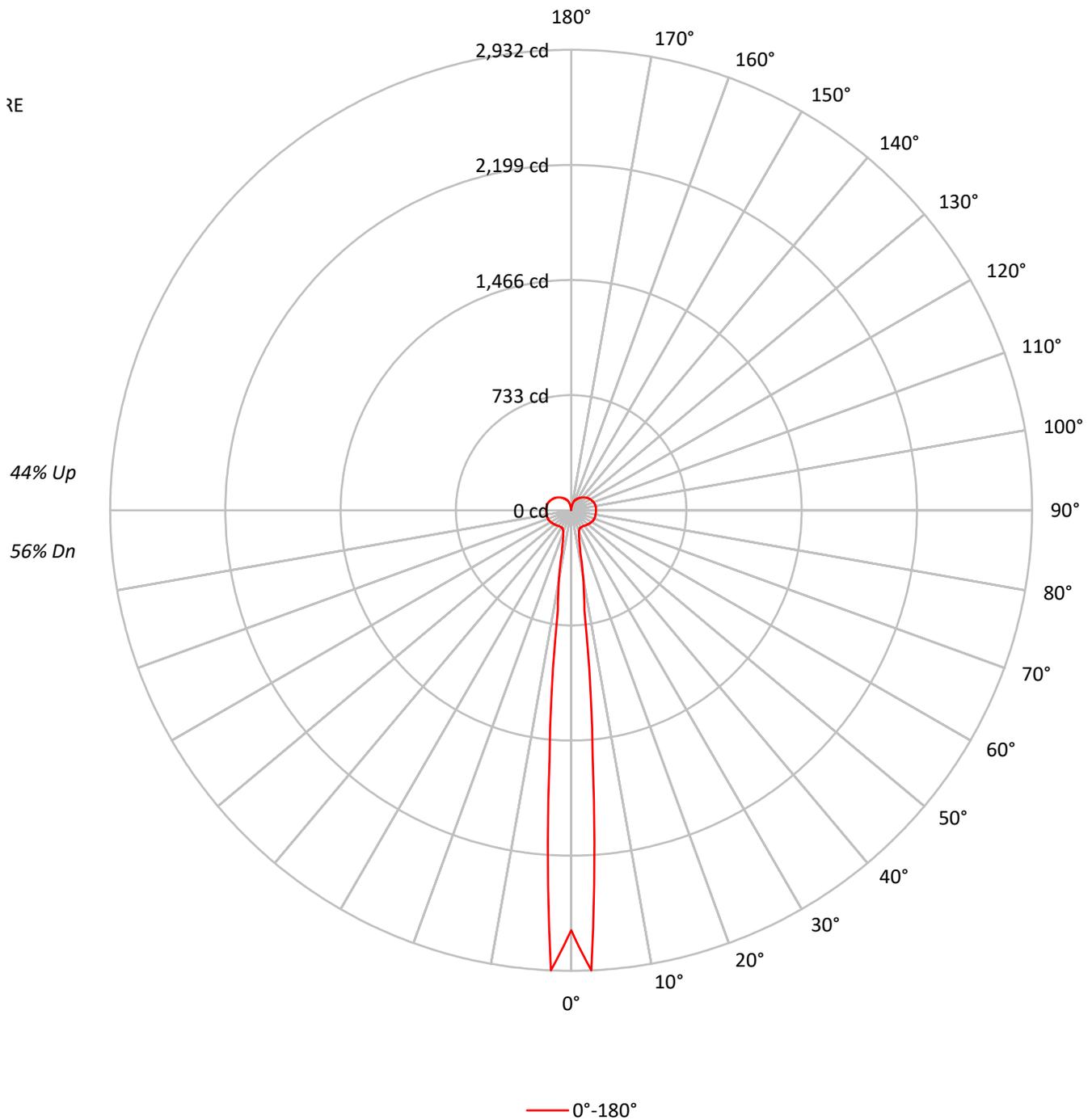
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1844.0 lumens
Efficiency: N/A
Efficacy: 37.9 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): 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	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°	84561
5°	38778
10°	9039
15°	3450
20°	2229
25°	1774
30°	1576
35°	1473
40°	1425
45°	1401
50°	1391
55°	1399
60°	1410
65°	1430
70°	1444
75°	1459
80°	1460
85°	1490

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1524 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	6.1
10°-20°	62.1	3.4
20°-30°	60.5	3.3
30°-40°	79.4	4.3
40°-50°	104.1	5.6
50°-60°	129.6	7.0
60°-70°	152.4	8.3
70°-80°	166.6	9.0
80°-90°	172.3	9.3
90°-100°	172.6	9.4
100°-110°	164.1	8.9
110°-120°	145.2	7.9
120°-130°	119.5	6.5
130°-140°	90.2	4.9
140°-150°	60.9	3.3
150°-160°	35.7	1.9
160°-170°	14.7	0.8
170°-180°	1.4	0.1
0°-30°	235.3	12.8
0°-40°	314.7	17.1
0°-60°	548.3	29.7
0°-90°	1039.7	56.4
90°-120°	481.8	26.1
90°-150°	752.5	40.8
90°-180°	804.0	43.6
0°-180°	1844.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2673	
5°	1572	113
15°	198	62
25°	129	60
35°	126	79
45°	134	104
55°	144	130
65°	154	152
75°	158	167
85°	158	129
90°	158	87
95°	158	129
105°	156	164
115°	146	145
125°	133	120
135°	117	90
145°	96	61
155°	77	36
165°	52	15
175°	7	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2672.9
2.5°	2932.1
5°	1572.1
7.5°	639.8
10°	444.4
12.5°	272.2
15°	198.1
17.5°	164.8
20°	145.4
22.5°	135.2
25°	128.7
27.5°	125.9
30°	125.0
32.5°	125.0
35°	125.9
37.5°	126.8
40°	129.6
42.5°	131.5
45°	134.2
47.5°	137.0
50°	138.9
52.5°	141.7
55°	144.4
57.5°	147.2
60°	149.1
62.5°	151.8
65°	153.7
67.5°	155.5
70°	156.5
72.5°	157.4
75°	158.3
77.5°	157.4
80°	157.4
82.5°	157.4
85°	158.3
87.5°	158.3
90°	158.3
92.5°	158.3
95°	158.3
97.5°	158.3
100°	157.4
102.5°	156.5
105°	155.5
107.5°	153.7
110°	151.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	149.1
115°	146.3
117.5°	143.5
120°	139.8
122.5°	137.0
125°	133.3
127.5°	129.6
130°	125.0
132.5°	121.3
135°	116.7
137.5°	111.1
140°	106.5
142.5°	101.8
145°	96.3
147.5°	91.7
150°	87.0
152.5°	81.5
155°	76.8
157.5°	71.3
160°	65.7
162.5°	59.3
165°	51.8
167.5°	41.7
170°	28.7
172.5°	17.6
175°	7.4
177.5°	1.9
180°	0.9



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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	11.8	12.7	12.7	13.7	14.9	11.8	12.7	12.7	13.7	14.9
	4H	13.2	14.1	14.1	15.1	16.3	13.2	14.1	14.1	15.1	16.3
	6H	14.6	15.5	15.5	16.4	17.6	14.6	15.5	15.5	16.4	17.6
	8H	15.3	16.1	16.2	17.1	18.3	15.3	16.1	16.2	17.1	18.3
	12H	15.9	16.7	16.9	17.7	18.9	15.9	16.7	16.9	17.7	18.9
4H	2H	9.6	10.5	10.5	11.4	12.6	9.6	10.5	10.5	11.4	12.6
	3H	12.7	13.5	13.7	14.5	15.7	12.7	13.5	13.7	14.5	15.7
	4H	14.3	15.1	15.2	16.0	17.3	14.3	15.1	15.2	16.0	17.3
	6H	15.9	16.5	16.8	17.5	18.8	15.9	16.5	16.8	17.5	18.8
	8H	16.6	17.3	17.6	18.2	19.5	16.6	17.3	17.6	18.2	19.5
	12H	17.4	18.0	18.4	19.0	20.2	17.4	18.0	18.4	19.0	20.2
8H	4H	14.8	15.5	15.8	16.4	17.7	14.8	15.5	15.8	16.4	17.7
	6H	16.6	17.1	17.6	18.1	19.4	16.6	17.1	17.6	18.1	19.4
	8H	17.5	18.0	18.5	19.0	20.2	17.5	18.0	18.5	19.0	20.2
	12H	18.4	18.9	19.4	19.9	21.2	18.4	18.9	19.4	19.9	21.2
12H	4H	14.9	15.5	15.9	16.5	17.8	14.9	15.5	15.9	16.5	17.8
	6H	16.8	17.3	17.7	18.3	19.5	16.8	17.3	17.7	18.3	19.5
	8H	17.8	18.2	18.7	19.2	20.5	17.8	18.2	18.7	19.2	20.5

(END OF REPORT)