

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: P1245051

Luminaire Tested: PRLX-NIM-L-930-20L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245051
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-930-20L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

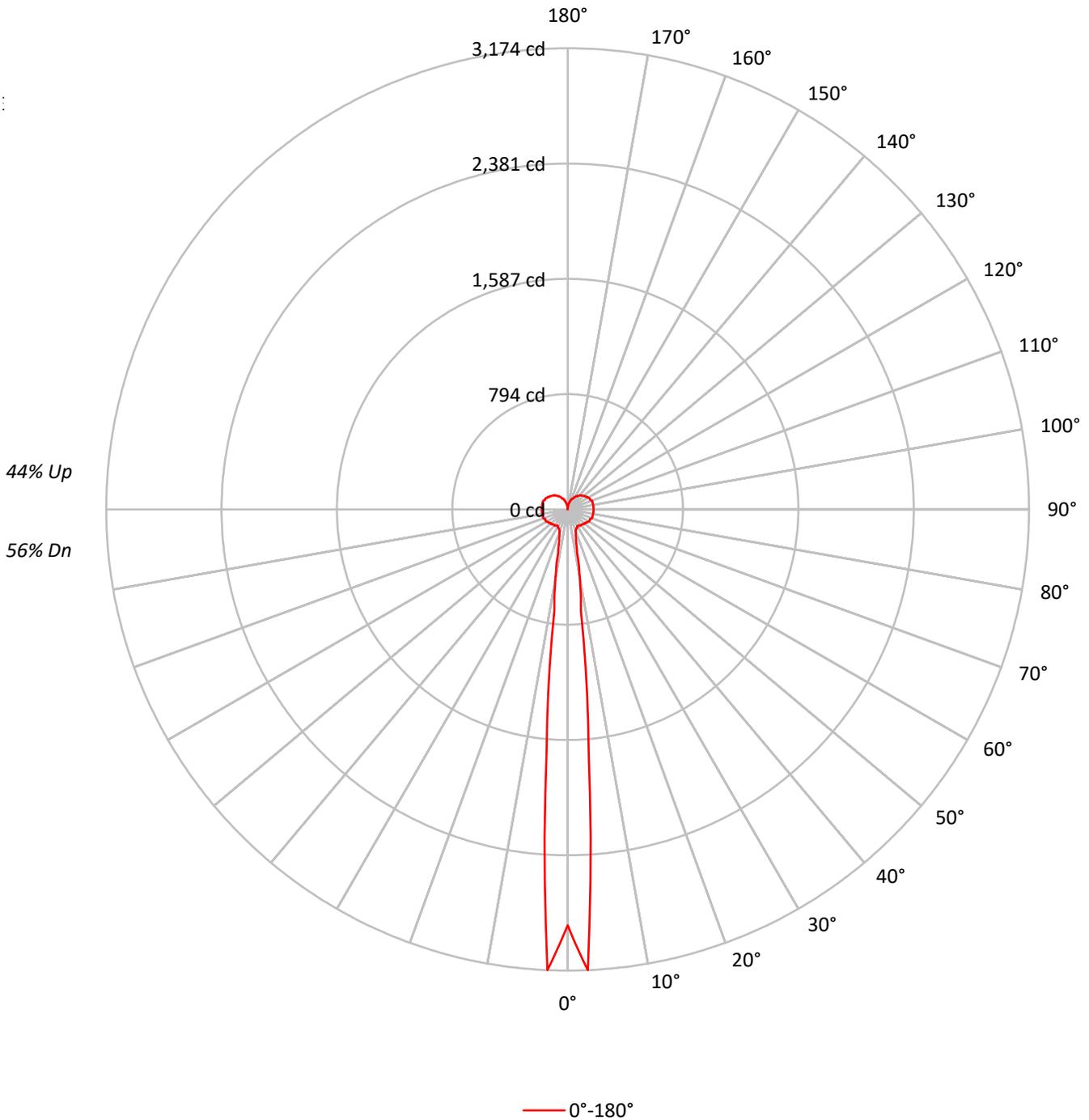
Lumens per Lamp: N/A
Luminaire Lumens: 2068.9 lumens
Efficiency: N/A
Efficacy: 42.6 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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°	90569
5°	41010
10°	9765
15°	3872
20°	2453
25°	1962
30°	1682
35°	1561
40°	1564
45°	1485
50°	1513
55°	1550
60°	1597
65°	1571
70°	1640
75°	1639
80°	1650
85°	1674

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1712 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	5.9
10°-20°	69.0	3.3
20°-30°	67.1	3.2
30°-40°	86.1	4.2
40°-50°	112.9	5.5
50°-60°	141.7	6.8
60°-70°	168.8	8.2
70°-80°	188.1	9.1
80°-90°	194.0	9.4
90°-100°	194.0	9.4
100°-110°	188.1	9.1
110°-120°	167.7	8.1
120°-130°	137.7	6.7
130°-140°	105.2	5.1
140°-150°	70.8	3.4
150°-160°	38.9	1.9
160°-170°	15.6	0.8
170°-180°	1.9	0.1
0°-30°	257.4	12.4
0°-40°	343.5	16.6
0°-60°	598.1	28.9
0°-90°	1148.9	55.5
90°-120°	549.8	26.6
90°-150°	863.6	41.7
90°-180°	920.0	44.5
0°-180°	2068.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2863	
5°	1663	121
15°	222	69
25°	142	67
35°	133	86
45°	142	113
55°	160	142
65°	169	169
75°	178	188
85°	178	145
90°	178	97
95°	178	145
105°	178	188
115°	169	168
125°	151	138
135°	133	105
145°	116	71
155°	80	39
165°	53	16
175°	9	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2862.8
2.5°	3174.0
5°	1662.6
7.5°	702.4
10°	480.1
12.5°	302.3
15°	222.3
17.5°	186.7
20°	160.0
22.5°	151.1
25°	142.3
27.5°	142.3
30°	133.4
32.5°	133.4
35°	133.4
37.5°	142.3
40°	142.3
42.5°	142.3
45°	142.3
47.5°	151.1
50°	151.1
52.5°	151.1
55°	160.0
57.5°	160.0
60°	168.9
62.5°	168.9
65°	168.9
67.5°	168.9
70°	177.8
72.5°	177.8
75°	177.8
77.5°	177.8
80°	177.8
82.5°	177.8
85°	177.8
87.5°	177.8
90°	177.8
92.5°	177.8
95°	177.8
97.5°	177.8
100°	177.8
102.5°	177.8
105°	177.8
107.5°	177.8
110°	177.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	168.9
115°	168.9
117.5°	168.9
120°	160.0
122.5°	160.0
125°	151.1
127.5°	151.1
130°	142.3
132.5°	142.3
135°	133.4
137.5°	133.4
140°	124.5
142.5°	115.6
145°	115.6
147.5°	106.7
150°	97.8
152.5°	88.9
155°	80.0
157.5°	80.0
160°	71.1
162.5°	62.2
165°	53.3
167.5°	44.5
170°	35.6
172.5°	26.7
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	9.9	10.9	12.1	9.0	10.0	9.9	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	16.8	18.0	15.0	15.8	15.9	16.8	18.0
	8H	15.6	16.5	16.6	17.4	18.6	15.6	16.5	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	14.7	15.4	15.6	16.3	17.6	14.7	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	18.0	18.6	19.9	17.0	17.6	18.0	18.6	19.9
	12H	17.8	18.4	18.7	19.3	20.6	17.8	18.4	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	18.9	19.4	20.6	17.9	18.4	18.9	19.4	20.6
	12H	18.8	19.3	19.8	20.3	21.6	18.8	19.3	19.8	20.3	21.6
12H	4H	15.3	15.9	16.3	16.8	18.1	15.3	15.9	16.3	16.8	18.1
	6H	17.2	17.6	18.1	18.6	19.9	17.2	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)