

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: P1244821

Luminaire Tested: PRLX-MIN-L-930-16L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244821
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-930-16L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

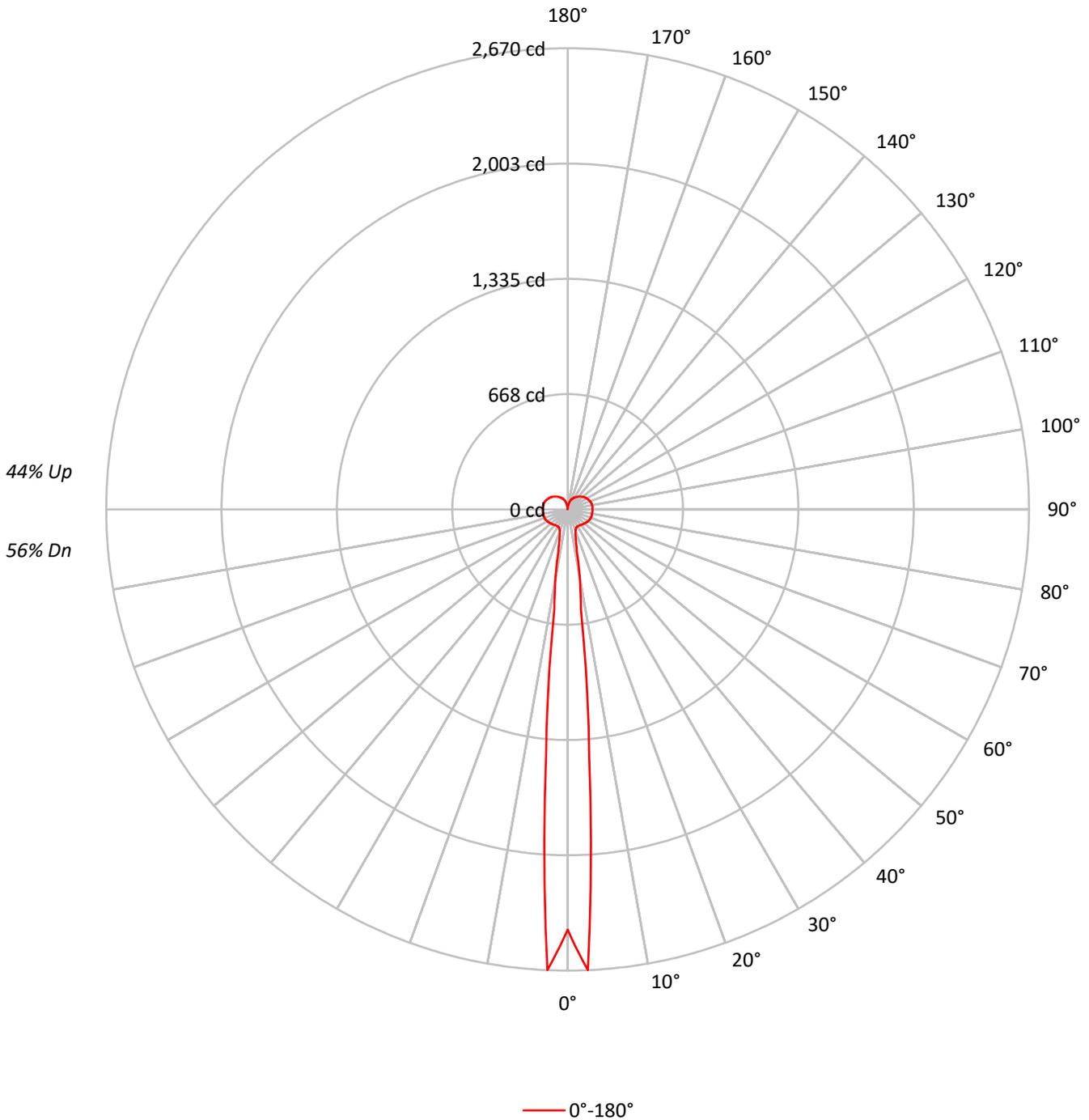
Lumens per Lamp: N/A
Luminaire Lumens: 1679.1 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
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	36	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°	76993
5°	35307
10°	8229
15°	3142
20°	2030
25°	1616
30°	1435
35°	1341
40°	1297
45°	1276
50°	1265
55°	1274
60°	1283
65°	1301
70°	1314
75°	1329
80°	1330
85°	1357

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1388 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	6.1
10°-20°	56.5	3.4
20°-30°	55.1	3.3
30°-40°	72.3	4.3
40°-50°	94.8	5.6
50°-60°	118.0	7.0
60°-70°	138.7	8.3
70°-80°	151.7	9.0
80°-90°	157.0	9.3
90°-100°	157.2	9.4
100°-110°	149.4	8.9
110°-120°	132.2	7.9
120°-130°	108.8	6.5
130°-140°	82.1	4.9
140°-150°	55.5	3.3
150°-160°	32.5	1.9
160°-170°	13.4	0.8
170°-180°	1.3	0.1
0°-30°	214.2	12.8
0°-40°	286.5	17.1
0°-60°	499.2	29.7
0°-90°	946.7	56.4
90°-120°	438.8	26.1
90°-150°	685.2	40.8
90°-180°	732.0	43.6
0°-180°	1679.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2434	
5°	1431	103
15°	180	57
25°	117	55
35°	115	72
45°	122	95
55°	132	118
65°	140	139
75°	144	152
85°	144	117
90°	144	79
95°	144	118
105°	142	149
115°	133	132
125°	121	109
135°	106	82
145°	88	55
155°	70	33
165°	47	13
175°	7	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2433.7
2.5°	2669.8
5°	1431.4
7.5°	582.5
10°	404.6
12.5°	247.8
15°	180.4
17.5°	150.1
20°	132.4
22.5°	123.1
25°	117.2
27.5°	114.6
30°	113.8
32.5°	113.8
35°	114.6
37.5°	115.5
40°	118.0
42.5°	119.7
45°	122.2
47.5°	124.8
50°	126.4
52.5°	129.0
55°	131.5
57.5°	134.0
60°	135.7
62.5°	138.3
65°	139.9
67.5°	141.6
70°	142.5
72.5°	143.3
75°	144.2
77.5°	143.3
80°	143.3
82.5°	143.3
85°	144.2
87.5°	144.2
90°	144.2
92.5°	144.2
95°	144.2
97.5°	144.2
100°	143.3
102.5°	142.5
105°	141.6
107.5°	139.9
110°	138.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	135.7
115°	133.2
117.5°	130.7
120°	127.3
122.5°	124.8
125°	121.4
127.5°	118.0
130°	113.8
132.5°	110.4
135°	106.2
137.5°	101.2
140°	96.9
142.5°	92.7
145°	87.7
147.5°	83.5
150°	79.2
152.5°	74.2
155°	70.0
157.5°	64.9
160°	59.9
162.5°	54.0
165°	47.2
167.5°	37.9
170°	26.1
172.5°	16.0
175°	6.7
177.5°	1.7
180°	0.8



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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	8.5	9.5	9.3	10.4	11.6	8.5	9.5	9.3	10.4	11.6
	3H	11.5	12.4	12.4	13.3	14.5	11.5	12.4	12.4	13.3	14.5
	4H	12.9	13.8	13.8	14.7	15.9	12.9	13.8	13.8	14.7	15.9
	6H	14.3	15.2	15.2	16.1	17.3	14.3	15.2	15.2	16.1	17.3
	8H	15.0	15.8	15.9	16.7	17.9	15.0	15.8	15.9	16.7	17.9
	12H	15.6	16.4	16.5	17.4	18.6	15.6	16.4	16.5	17.4	18.6
4H	2H	9.2	10.2	10.1	11.1	12.3	9.2	10.2	10.1	11.1	12.3
	3H	12.4	13.2	13.3	14.2	15.4	12.4	13.2	13.3	14.2	15.4
	4H	14.0	14.7	14.9	15.7	16.9	14.0	14.7	14.9	15.7	16.9
	6H	15.6	16.2	16.5	17.2	18.4	15.6	16.2	16.5	17.2	18.4
	8H	16.3	16.9	17.3	17.9	19.2	16.3	16.9	17.3	17.9	19.2
	12H	17.1	17.7	18.0	18.6	19.9	17.1	17.7	18.0	18.6	19.9
8H	4H	14.5	15.1	15.4	16.1	17.4	14.5	15.1	15.4	16.1	17.4
	6H	16.3	16.8	17.2	17.8	19.1	16.3	16.8	17.2	17.8	19.1
	8H	17.2	17.7	18.1	18.7	19.9	17.2	17.7	18.1	18.7	19.9
	12H	18.1	18.5	19.1	19.5	20.8	18.1	18.5	19.1	19.5	20.8
12H	4H	14.6	15.2	15.6	16.2	17.4	14.6	15.2	15.6	16.2	17.4
	6H	16.5	16.9	17.4	17.9	19.2	16.5	16.9	17.4	17.9	19.2
	8H	17.4	17.9	18.4	18.9	20.2	17.4	17.9	18.4	18.9	20.2

(END OF REPORT)