

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: P1244830

Luminaire Tested: PRLX-MIN-L-930-27L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244830
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-930-27L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

Summary

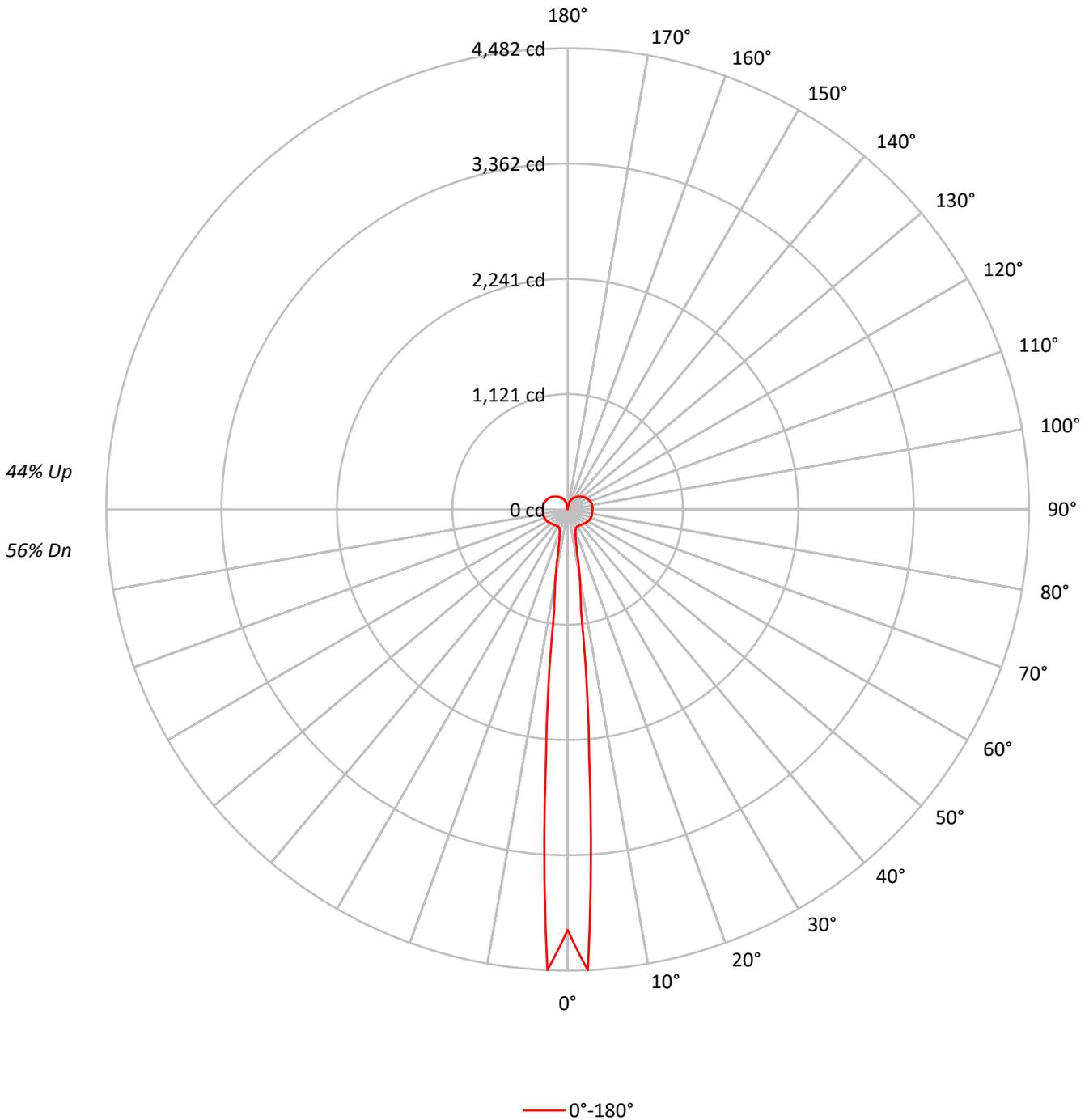
Lumens per Lamp: N/A
Luminaire Lumens: 2819.0 lumens
Efficiency: N/A
Efficacy: 40.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 69.4
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°	129272
5°	59280
10°	13819
15°	5276
20°	3407
25°	2711
30°	2410
35°	2252
40°	2179
45°	2142
50°	2125
55°	2139
60°	2155
65°	2186
70°	2206
75°	2230
80°	2232
85°	2278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2330 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	6.1
10°-20°	94.9	3.4
20°-30°	92.4	3.3
30°-40°	121.3	4.3
40°-50°	159.1	5.6
50°-60°	198.1	7.0
60°-70°	233.0	8.3
70°-80°	254.7	9.0
80°-90°	263.5	9.3
90°-100°	263.8	9.4
100°-110°	250.9	8.9
110°-120°	221.9	7.9
120°-130°	182.7	6.5
130°-140°	137.9	4.9
140°-150°	93.2	3.3
150°-160°	54.6	1.9
160°-170°	22.5	0.8
170°-180°	2.2	0.1
0°-30°	359.7	12.8
0°-40°	481.0	17.1
0°-60°	838.2	29.7
0°-90°	1589.4	56.4
90°-120°	736.6	26.1
90°-150°	1150.4	40.8
90°-180°	1230.0	43.6
0°-180°	2819.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4086	
5°	2403	172
15°	303	95
25°	197	92
35°	192	121
45°	205	159
55°	221	198
65°	235	233
75°	242	255
85°	242	197
90°	242	133
95°	242	198
105°	238	251
115°	224	222
125°	204	183
135°	178	138
145°	147	93
155°	118	55
165°	79	22
175°	11	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4086.2
2.5°	4482.5
5°	2403.3
7.5°	978.0
10°	679.4
12.5°	416.1
15°	302.9
17.5°	251.9
20°	222.2
22.5°	206.6
25°	196.7
27.5°	192.5
30°	191.1
32.5°	191.1
35°	192.5
37.5°	193.9
40°	198.2
42.5°	201.0
45°	205.2
47.5°	209.5
50°	212.3
52.5°	216.6
55°	220.8
57.5°	225.0
60°	227.9
62.5°	232.1
65°	235.0
67.5°	237.8
70°	239.2
72.5°	240.6
75°	242.0
77.5°	240.6
80°	240.6
82.5°	240.6
85°	242.0
87.5°	242.0
90°	242.0
92.5°	242.0
95°	242.0
97.5°	242.0
100°	240.6
102.5°	239.2
105°	237.8
107.5°	235.0
110°	232.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	227.9
115°	223.6
117.5°	219.4
120°	213.7
122.5°	209.5
125°	203.8
127.5°	198.2
130°	191.1
132.5°	185.4
135°	178.3
137.5°	169.8
140°	162.8
142.5°	155.7
145°	147.2
147.5°	140.1
150°	133.0
152.5°	124.6
155°	117.5
157.5°	109.0
160°	100.5
162.5°	90.6
165°	79.3
167.5°	63.7
170°	43.9
172.5°	26.9
175°	11.3
177.5°	2.8
180°	1.4



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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	10.3	11.3	11.1	12.2	13.4	10.3	11.3	11.1	12.2	13.4
	3H	13.3	14.2	14.2	15.1	16.3	13.3	14.2	14.2	15.1	16.3
	4H	14.7	15.6	15.6	16.5	17.7	14.7	15.6	15.6	16.5	17.7
	6H	16.1	17.0	17.0	17.9	19.1	16.1	17.0	17.0	17.9	19.1
	8H	16.8	17.6	17.7	18.5	19.7	16.8	17.6	17.7	18.5	19.7
	12H	17.4	18.2	18.3	19.2	20.4	17.4	18.2	18.3	19.2	20.4
4H	2H	11.0	12.0	11.9	12.9	14.1	11.0	12.0	11.9	12.9	14.1
	3H	14.2	15.0	15.1	16.0	17.2	14.2	15.0	15.1	16.0	17.2
	4H	15.8	16.5	16.7	17.5	18.7	15.8	16.5	16.7	17.5	18.7
	6H	17.4	18.0	18.3	19.0	20.2	17.4	18.0	18.3	19.0	20.2
	8H	18.1	18.7	19.1	19.7	21.0	18.1	18.7	19.1	19.7	21.0
	12H	18.9	19.5	19.8	20.4	21.7	18.9	19.5	19.8	20.4	21.7
8H	4H	16.3	16.9	17.2	17.9	19.2	16.3	16.9	17.2	17.9	19.2
	6H	18.1	18.6	19.0	19.6	20.9	18.1	18.6	19.0	19.6	20.9
	8H	19.0	19.5	19.9	20.5	21.7	19.0	19.5	19.9	20.5	21.7
	12H	19.9	20.3	20.9	21.3	22.6	19.9	20.3	20.9	21.3	22.6
12H	4H	16.4	17.0	17.4	18.0	19.2	16.4	17.0	17.4	18.0	19.2
	6H	18.3	18.7	19.2	19.7	21.0	18.3	18.7	19.2	19.7	21.0
	8H	19.2	19.7	20.2	20.7	22.0	19.2	19.7	20.2	20.7	22.0

(END OF REPORT)