

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: P1244806

Luminaire Tested: PRLX-MIN-L-927-27L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244806
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-927-27L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

Summary

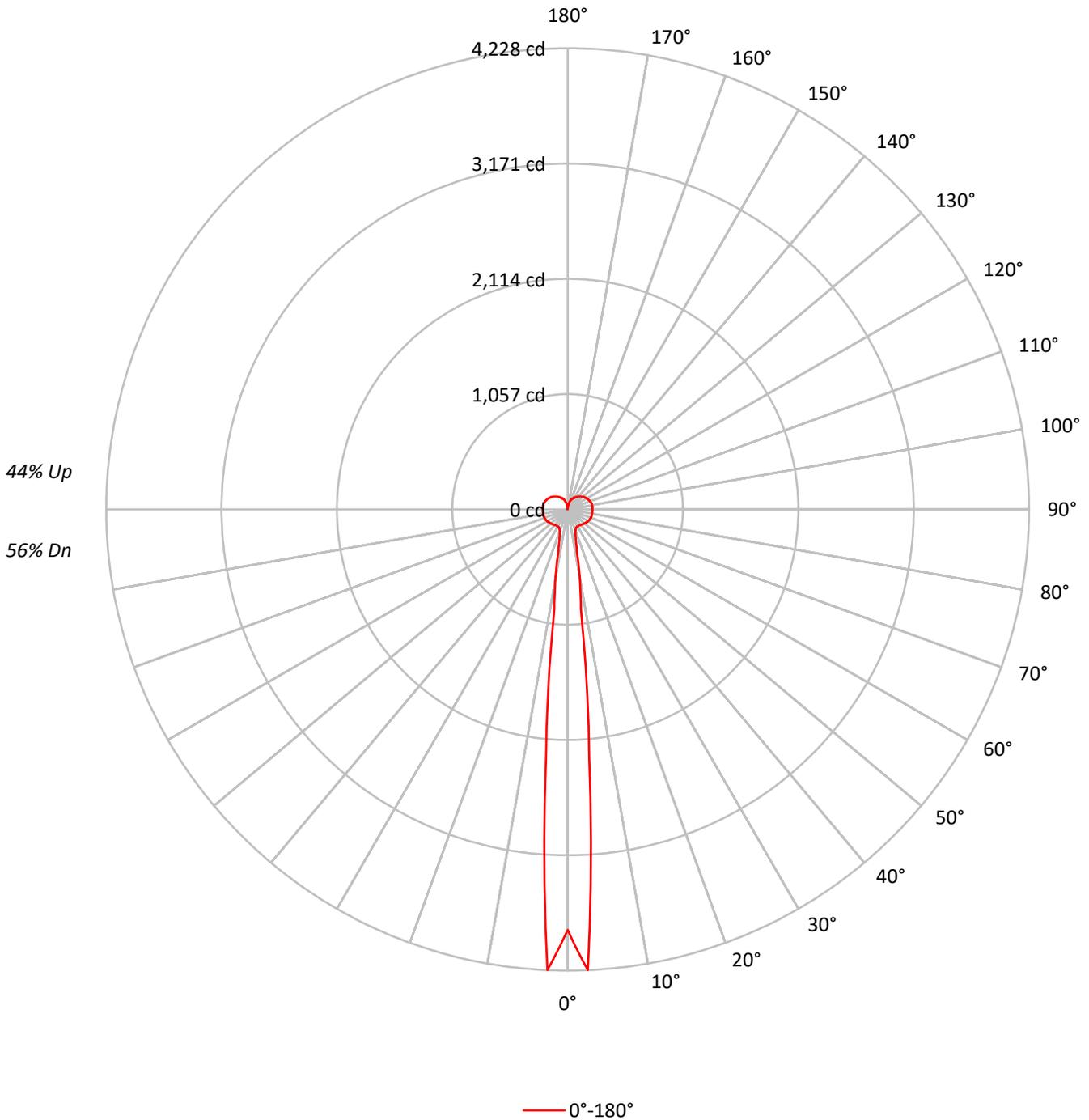
Lumens per Lamp: N/A
Luminaire Lumens: 2659.0 lumens
Efficiency: N/A
Efficacy: 38.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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	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°	121933
5°	55916
10°	13034
15°	4976
20°	3213
25°	2558
30°	2272
35°	2125
40°	2054
45°	2021
50°	2005
55°	2018
60°	2032
65°	2062
70°	2081
75°	2104
80°	2106
85°	2149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2198 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.6	6.1
10°-20°	89.5	3.4
20°-30°	87.2	3.3
30°-40°	114.4	4.3
40°-50°	150.1	5.6
50°-60°	186.9	7.0
60°-70°	219.7	8.3
70°-80°	240.3	9.0
80°-90°	248.6	9.3
90°-100°	248.9	9.4
100°-110°	236.6	8.9
110°-120°	209.3	7.9
120°-130°	172.3	6.5
130°-140°	130.0	4.9
140°-150°	87.9	3.3
150°-160°	51.5	1.9
160°-170°	21.2	0.8
170°-180°	2.1	0.1
0°-30°	339.3	12.8
0°-40°	453.7	17.1
0°-60°	790.7	29.7
0°-90°	1499.2	56.4
90°-120°	694.8	26.1
90°-150°	1085.1	40.8
90°-180°	1160.0	43.6
0°-180°	2659.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3854	
5°	2267	163
15°	286	90
25°	186	87
35°	182	114
45°	194	150
55°	208	187
65°	222	220
75°	228	240
85°	228	186
90°	228	125
95°	228	186
105°	224	237
115°	211	209
125°	192	172
135°	168	130
145°	139	88
155°	111	51
165°	75	21
175°	11	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3854.2
2.5°	4228.1
5°	2266.9
7.5°	922.5
10°	640.8
12.5°	392.5
15°	285.7
17.5°	237.6
20°	209.6
22.5°	194.9
25°	185.6
27.5°	181.6
30°	180.2
32.5°	180.2
35°	181.6
37.5°	182.9
40°	186.9
42.5°	189.6
45°	193.6
47.5°	197.6
50°	200.3
52.5°	204.3
55°	208.3
57.5°	212.3
60°	214.9
62.5°	218.9
65°	221.6
67.5°	224.3
70°	225.6
72.5°	227.0
75°	228.3
77.5°	227.0
80°	227.0
82.5°	227.0
85°	228.3
87.5°	228.3
90°	228.3
92.5°	228.3
95°	228.3
97.5°	228.3
100°	227.0
102.5°	225.6
105°	224.3
107.5°	221.6
110°	218.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	214.9
115°	210.9
117.5°	206.9
120°	201.6
122.5°	197.6
125°	192.2
127.5°	186.9
130°	180.2
132.5°	174.9
135°	168.2
137.5°	160.2
140°	153.5
142.5°	146.9
145°	138.8
147.5°	132.2
150°	125.5
152.5°	117.5
155°	110.8
157.5°	102.8
160°	94.8
162.5°	85.4
165°	74.8
167.5°	60.1
170°	41.4
172.5°	25.4
175°	10.7
177.5°	2.7
180°	1.3



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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	10.1	11.1	10.9	12.0	13.2	10.1	11.1	10.9	12.0	13.2
	3H	13.1	14.0	14.0	14.9	16.1	13.1	14.0	14.0	14.9	16.1
	4H	14.5	15.4	15.4	16.3	17.5	14.5	15.4	15.4	16.3	17.5
	6H	15.9	16.8	16.8	17.7	18.9	15.9	16.8	16.8	17.7	18.9
	8H	16.6	17.4	17.5	18.3	19.5	16.6	17.4	17.5	18.3	19.5
	12H	17.2	18.0	18.1	19.0	20.2	17.2	18.0	18.1	19.0	20.2
4H	2H	10.8	11.8	11.7	12.7	13.9	10.8	11.8	11.7	12.7	13.9
	3H	14.0	14.8	14.9	15.8	17.0	14.0	14.8	14.9	15.8	17.0
	4H	15.6	16.3	16.5	17.3	18.5	15.6	16.3	16.5	17.3	18.5
	6H	17.2	17.8	18.1	18.8	20.0	17.2	17.8	18.1	18.8	20.0
	8H	17.9	18.5	18.9	19.5	20.8	17.9	18.5	18.9	19.5	20.8
	12H	18.7	19.2	19.6	20.2	21.5	18.7	19.2	19.6	20.2	21.5
8H	4H	16.1	16.7	17.0	17.7	19.0	16.1	16.7	17.0	17.7	19.0
	6H	17.9	18.4	18.8	19.4	20.7	17.9	18.4	18.8	19.4	20.7
	8H	18.8	19.3	19.7	20.3	21.5	18.8	19.3	19.7	20.3	21.5
	12H	19.7	20.1	20.7	21.1	22.4	19.7	20.1	20.7	21.1	22.4
12H	4H	16.2	16.8	17.2	17.8	19.0	16.2	16.8	17.2	17.8	19.0
	6H	18.0	18.5	19.0	19.5	20.8	18.0	18.5	19.0	19.5	20.8
	8H	19.0	19.5	20.0	20.5	21.8	19.0	19.5	20.0	20.5	21.8

(END OF REPORT)