

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: P1244842

Luminaire Tested: PRLX-MIN-L-935-12L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244842
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: Prenalux
Catalog Number: PRLX-MIN-L-935-12L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

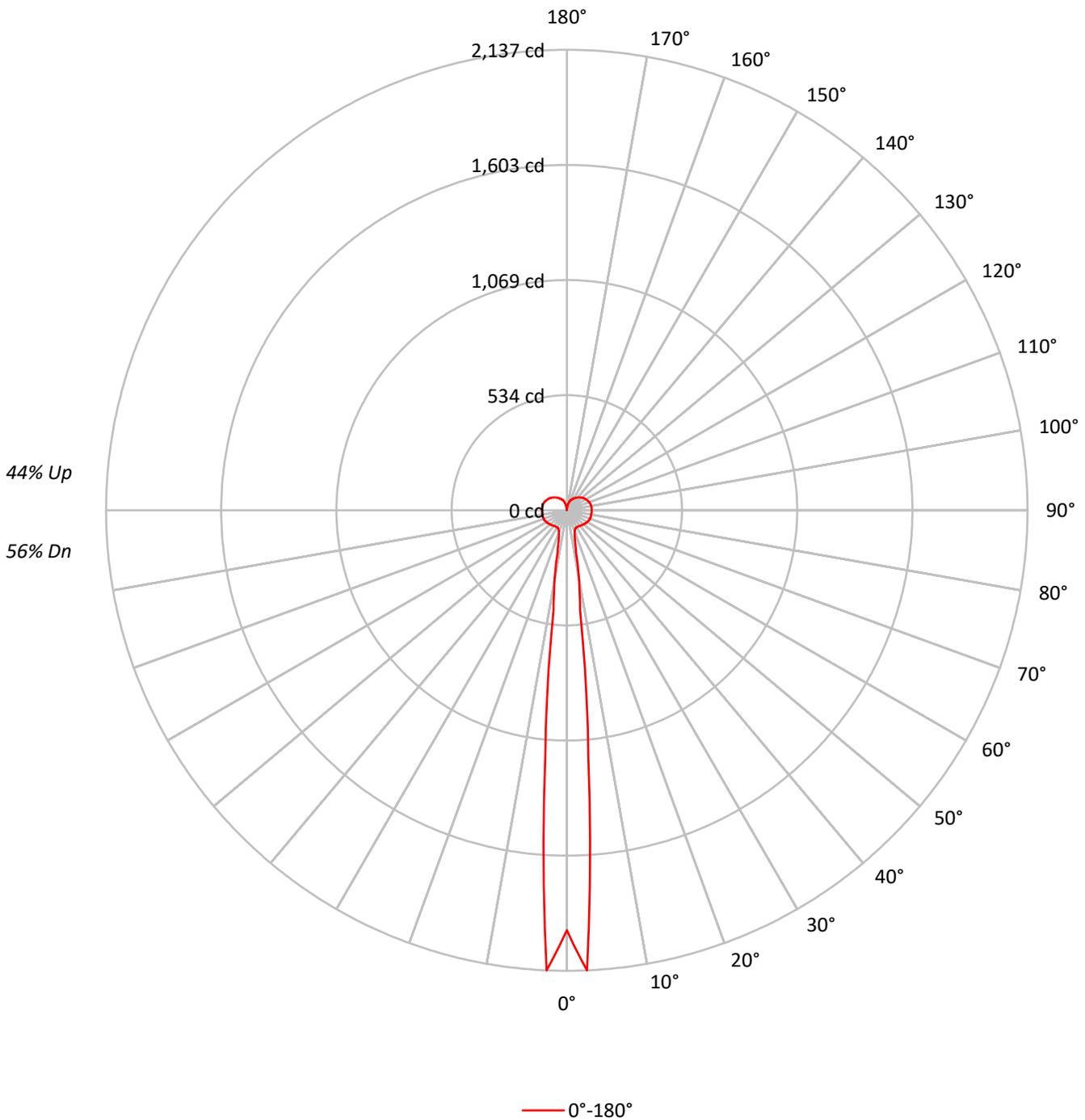
Lumens per Lamp: N/A
Luminaire Lumens: 1344.0 lumens
Efficiency: N/A
Efficacy: 44.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 30.5
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°	61631
5°	28262
10°	6588
15°	2515
20°	1624
25°	1293
30°	1149
35°	1074
40°	1039
45°	1021
50°	1013
55°	1020
60°	1027
65°	1042
70°	1052
75°	1064
80°	1064
85°	1086

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1111 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	6.1
10°-20°	45.2	3.4
20°-30°	44.1	3.3
30°-40°	57.8	4.3
40°-50°	75.8	5.6
50°-60°	94.4	7.0
60°-70°	111.1	8.3
70°-80°	121.4	9.0
80°-90°	125.6	9.3
90°-100°	125.8	9.4
100°-110°	119.6	8.9
110°-120°	105.8	7.9
120°-130°	87.1	6.5
130°-140°	65.7	4.9
140°-150°	44.4	3.3
150°-160°	26.0	1.9
160°-170°	10.7	0.8
170°-180°	1.0	0.1
0°-30°	171.5	12.8
0°-40°	229.3	17.1
0°-60°	399.6	29.7
0°-90°	757.7	56.4
90°-120°	351.2	26.1
90°-150°	548.5	40.8
90°-180°	586.0	43.6
0°-180°	1344.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1948	
5°	1146	82
15°	144	45
25°	94	44
35°	92	58
45°	98	76
55°	105	94
65°	112	111
75°	115	121
85°	115	94
90°	115	63
95°	115	94
105°	113	120
115°	107	106
125°	97	87
135°	85	66
145°	70	44
155°	56	26
165°	38	11
175°	5	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1948.1
2.5°	2137.1
5°	1145.8
7.5°	466.3
10°	323.9
12.5°	198.4
15°	144.4
17.5°	120.1
20°	105.9
22.5°	98.5
25°	93.8
27.5°	91.8
30°	91.1
32.5°	91.1
35°	91.8
37.5°	92.4
40°	94.5
42.5°	95.8
45°	97.8
47.5°	99.9
50°	101.2
52.5°	103.2
55°	105.3
57.5°	107.3
60°	108.6
62.5°	110.7
65°	112.0
67.5°	113.4
70°	114.0
72.5°	114.7
75°	115.4
77.5°	114.7
80°	114.7
82.5°	114.7
85°	115.4
87.5°	115.4
90°	115.4
92.5°	115.4
95°	115.4
97.5°	115.4
100°	114.7
102.5°	114.0
105°	113.4
107.5°	112.0
110°	110.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	108.6
115°	106.6
117.5°	104.6
120°	101.9
122.5°	99.9
125°	97.2
127.5°	94.5
130°	91.1
132.5°	88.4
135°	85.0
137.5°	81.0
140°	77.6
142.5°	74.2
145°	70.2
147.5°	66.8
150°	63.4
152.5°	59.4
155°	56.0
157.5°	52.0
160°	47.9
162.5°	43.2
165°	37.8
167.5°	30.4
170°	20.9
172.5°	12.8
175°	5.4
177.5°	1.3
180°	0.7



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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	7.7	8.7	8.6	9.6	10.8	7.7	8.7	8.6	9.6	10.8
	3H	10.7	11.6	11.6	12.6	13.8	10.7	11.6	11.6	12.6	13.8
	4H	12.1	13.0	13.0	14.0	15.2	12.1	13.0	13.0	14.0	15.2
	6H	13.5	14.4	14.4	15.3	16.5	13.5	14.4	14.4	15.3	16.5
	8H	14.2	15.0	15.1	16.0	17.2	14.2	15.0	15.1	16.0	17.2
	12H	14.8	15.6	15.8	16.6	17.8	14.8	15.6	15.8	16.6	17.8
4H	2H	8.5	9.4	9.4	10.3	11.5	8.5	9.4	9.4	10.3	11.5
	3H	11.6	12.4	12.6	13.4	14.6	11.6	12.4	12.6	13.4	14.6
	4H	13.2	14.0	14.1	14.9	16.2	13.2	14.0	14.1	14.9	16.2
	6H	14.8	15.4	15.7	16.4	17.7	14.8	15.4	15.7	16.4	17.7
	8H	15.5	16.2	16.5	17.1	18.4	15.5	16.2	16.5	17.1	18.4
	12H	16.3	16.9	17.3	17.9	19.1	16.3	16.9	17.3	17.9	19.1
8H	4H	13.7	14.4	14.7	15.3	16.6	13.7	14.4	14.7	15.3	16.6
	6H	15.5	16.0	16.5	17.0	18.3	15.5	16.0	16.5	17.0	18.3
	8H	16.4	16.9	17.4	17.9	19.1	16.4	16.9	17.4	17.9	19.1
	12H	17.3	17.8	18.3	18.8	20.1	17.3	17.8	18.3	18.8	20.1
12H	4H	13.8	14.4	14.8	15.4	16.7	13.8	14.4	14.8	15.4	16.7
	6H	15.7	16.2	16.7	17.2	18.4	15.7	16.2	16.7	17.2	18.4
	8H	16.7	17.1	17.6	18.1	19.4	16.7	17.1	17.6	18.1	19.4

(END OF REPORT)