

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: P1244833

Luminaire Tested: PRLX-MIN-L-935-02L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244833
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-935-02L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

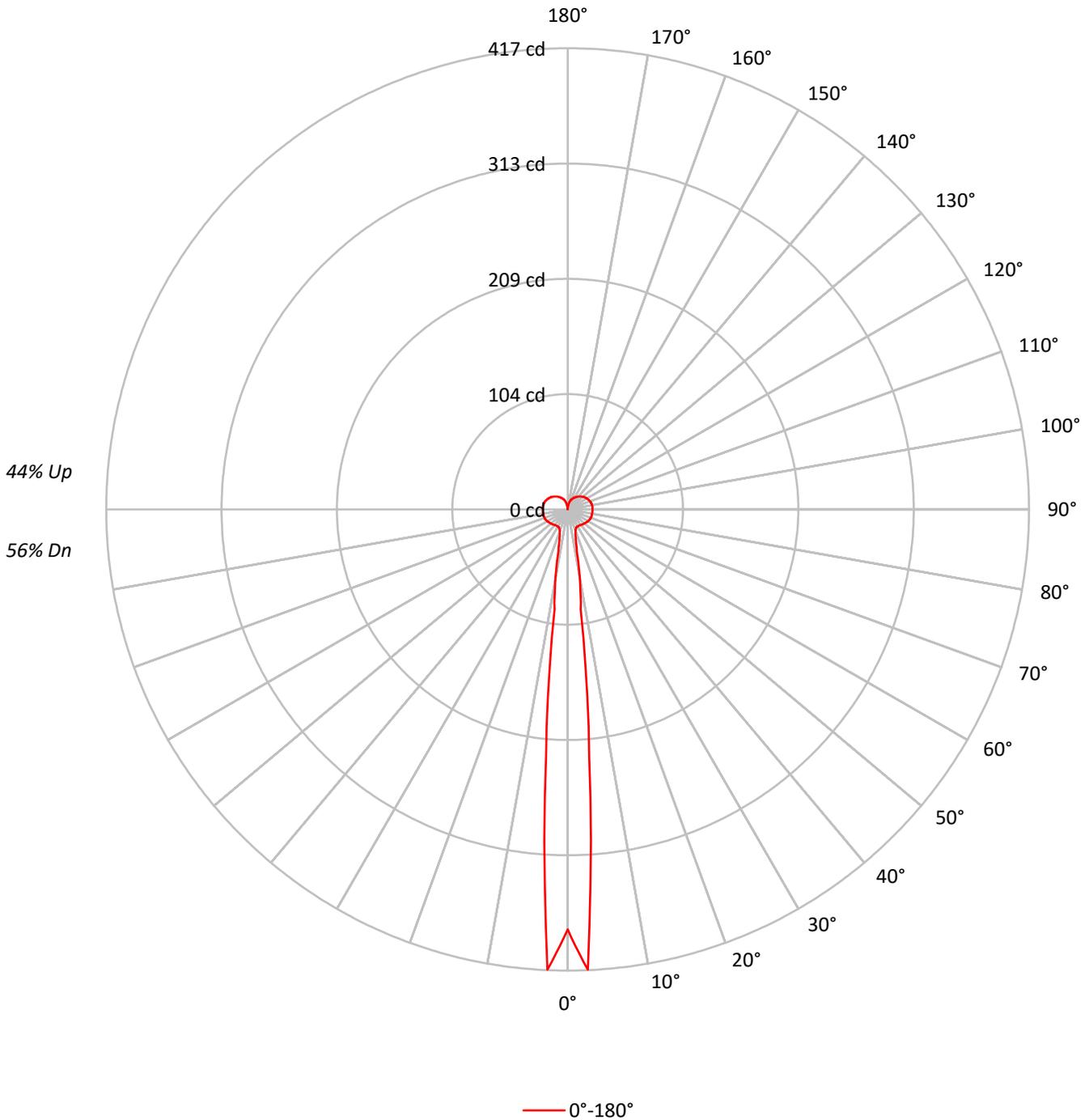
Lumens per Lamp: N/A
Luminaire Lumens: 262.1 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
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					
RC	80					70						30								10	0				
RW	70	50	30	10		70	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°	12015
5°	5510
10°	1283
15°	491
20°	317
25°	252
30°	224
35°	209
40°	202
45°	199
50°	197
55°	199
60°	200
65°	203
70°	205
75°	207
80°	208
85°	212

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 217 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	6.1
10°-20°	8.8	3.4
20°-30°	8.6	3.3
30°-40°	11.3	4.3
40°-50°	14.8	5.6
50°-60°	18.4	7.0
60°-70°	21.6	8.3
70°-80°	23.7	9.0
80°-90°	24.5	9.4
90°-100°	24.5	9.4
100°-110°	23.3	8.9
110°-120°	20.6	7.9
120°-130°	17.0	6.5
130°-140°	12.8	4.9
140°-150°	8.7	3.3
150°-160°	5.1	1.9
160°-170°	2.1	0.8
170°-180°	0.2	0.1
0°-30°	33.4	12.8
0°-40°	44.7	17.1
0°-60°	77.9	29.7
0°-90°	147.8	56.4
90°-120°	68.5	26.1
90°-150°	107.0	40.8
90°-180°	114.0	43.5
0°-180°	262.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	380	
5°	223	16
15°	28	9
25°	18	9
35°	18	11
45°	19	15
55°	20	18
65°	22	22
75°	22	24
85°	22	18
90°	22	12
95°	22	18
105°	22	23
115°	21	21
125°	19	17
135°	17	13
145°	14	9
155°	11	5
165°	7	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	379.8
2.5°	416.6
5°	223.4
7.5°	90.9
10°	63.1
12.5°	38.7
15°	28.2
17.5°	23.4
20°	20.7
22.5°	19.2
25°	18.3
27.5°	17.9
30°	17.8
32.5°	17.8
35°	17.9
37.5°	18.0
40°	18.4
42.5°	18.7
45°	19.1
47.5°	19.5
50°	19.7
52.5°	20.1
55°	20.5
57.5°	20.9
60°	21.2
62.5°	21.6
65°	21.8
67.5°	22.1
70°	22.2
72.5°	22.4
75°	22.5
77.5°	22.4
80°	22.4
82.5°	22.4
85°	22.5
87.5°	22.5
90°	22.5
92.5°	22.5
95°	22.5
97.5°	22.5
100°	22.4
102.5°	22.2
105°	22.1
107.5°	21.8
110°	21.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	21.2
115°	20.8
117.5°	20.4
120°	19.9
122.5°	19.5
125°	18.9
127.5°	18.4
130°	17.8
132.5°	17.2
135°	16.6
137.5°	15.8
140°	15.1
142.5°	14.5
145°	13.7
147.5°	13.0
150°	12.4
152.5°	11.6
155°	10.9
157.5°	10.1
160°	9.3
162.5°	8.4
165°	7.4
167.5°	5.9
170°	4.1
172.5°	2.5
175°	1.1
177.5°	0.3
180°	0.1



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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	2.0	3.0	2.9	4.0	5.1	2.0	3.0	2.9	4.0	5.1
	3H	5.0	6.0	5.9	6.9	8.1	5.0	6.0	5.9	6.9	8.1
	4H	6.4	7.4	7.3	8.3	9.5	6.4	7.4	7.3	8.3	9.5
	6H	7.8	8.7	8.8	9.6	10.8	7.8	8.7	8.8	9.6	10.8
	8H	8.5	9.3	9.4	10.3	11.5	8.5	9.3	9.4	10.3	11.5
	12H	9.2	10.0	10.1	10.9	12.1	9.2	10.0	10.1	10.9	12.1
4H	2H	2.8	3.7	3.7	4.6	5.8	2.8	3.7	3.7	4.6	5.8
	3H	6.0	6.8	6.9	7.7	8.9	6.0	6.8	6.9	7.7	8.9
	4H	7.5	8.3	8.5	9.2	10.5	7.5	8.3	8.5	9.2	10.5
	6H	9.1	9.8	10.0	10.7	12.0	9.1	9.8	10.0	10.7	12.0
	8H	9.9	10.5	10.8	11.5	12.7	9.9	10.5	10.8	11.5	12.7
	12H	10.6	11.2	11.6	12.2	13.4	10.6	11.2	11.6	12.2	13.4
8H	4H	8.1	8.7	9.0	9.6	10.9	8.1	8.7	9.0	9.6	10.9
	6H	9.8	10.4	10.8	11.4	12.6	9.8	10.4	10.8	11.4	12.6
	8H	10.7	11.2	11.7	12.2	13.5	10.7	11.2	11.7	12.2	13.5
	12H	11.7	12.1	12.6	13.1	14.4	11.7	12.1	12.6	13.1	14.4
12H	4H	8.2	8.7	9.1	9.7	11.0	8.2	8.7	9.1	9.7	11.0
	6H	10.0	10.5	11.0	11.5	12.8	10.0	10.5	11.0	11.5	12.8
	8H	11.0	11.4	12.0	12.4	13.7	11.0	11.4	12.0	12.4	13.7

(END OF REPORT)