

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: P1245349

Luminaire Tested: PRLX-UNA-L-935-16L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-935-16L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

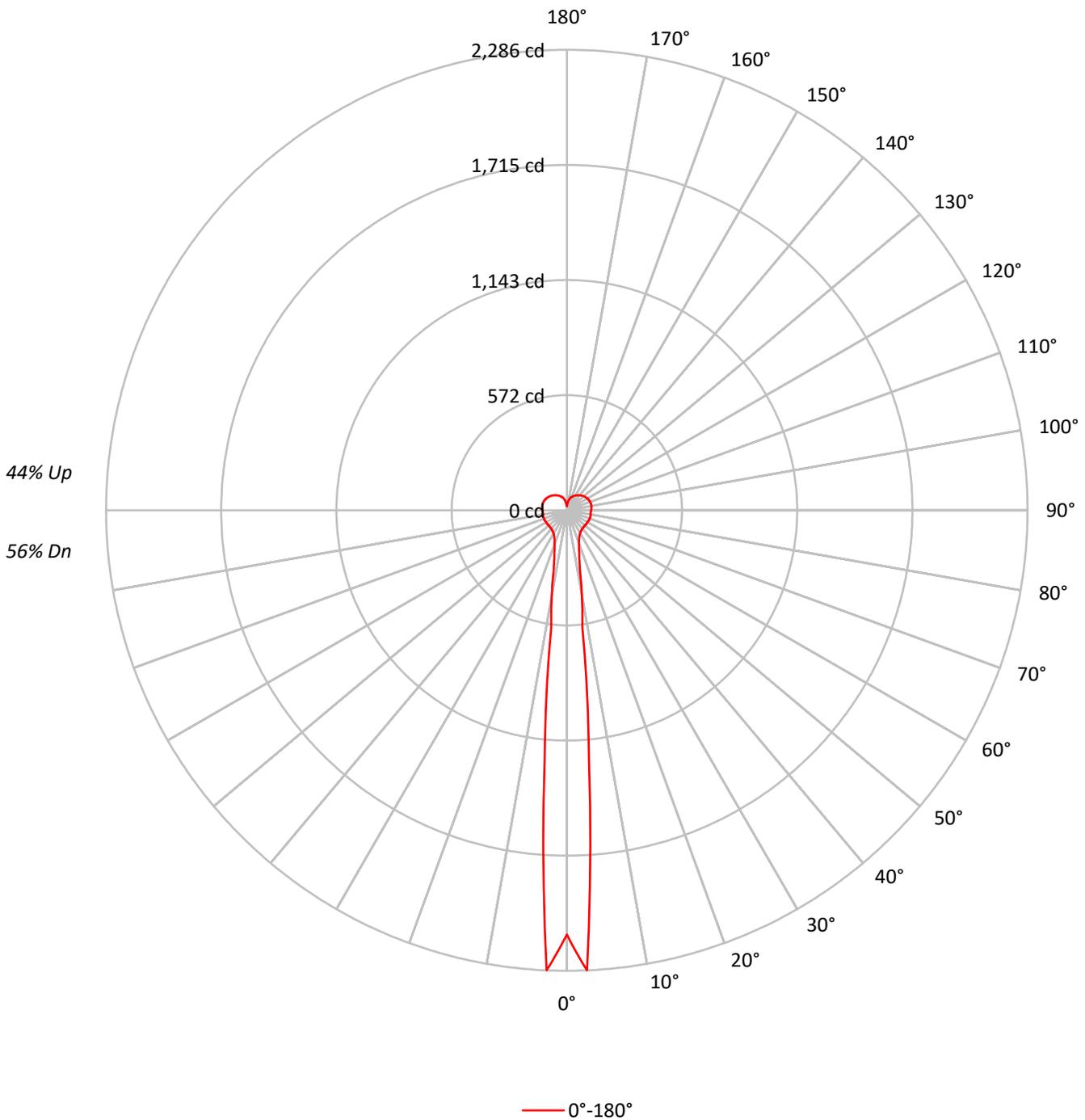
Lumens per Lamp: N/A
Luminaire Lumens: 1565.9 lumens
Efficiency: N/A
Efficacy: 40.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
Input Voltage (V): NR
Input Current (Ain): 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	96	90	85	80	88	83	79	75	71	68	64		60	57	55		49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51		51	47	44		42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43		45	40	37		37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37		40	35	31		33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32		36	31	28		30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28		33	28	25		28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25		31	26	22		26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23		29	24	20		24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21		27	22	19		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	21	17		22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66632
5°	31230
10°	8779
15°	4124
20°	2718
25°	2018
30°	1661
35°	1451
40°	1309
45°	1229
50°	1171
55°	1140
60°	1120
65°	1114
70°	1111
75°	1117
80°	1105
85°	1121

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1229 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	6.0
10°-20°	70.4	4.5
20°-30°	68.6	4.4
30°-40°	78.1	5.0
40°-50°	91.2	5.8
50°-60°	105.8	6.8
60°-70°	118.8	7.6
70°-80°	127.7	8.2
80°-90°	130.3	8.3
90°-100°	133.7	8.5
100°-110°	130.8	8.4
110°-120°	119.6	7.6
120°-130°	101.9	6.5
130°-140°	80.4	5.1
140°-150°	57.5	3.7
150°-160°	36.2	2.3
160°-170°	17.6	1.1
170°-180°	3.6	0.2
0°-30°	232.9	14.9
0°-40°	310.9	19.9
0°-60°	507.9	32.4
0°-90°	884.7	56.5
90°-120°	384.0	24.5
90°-150°	623.8	39.8
90°-180°	681.0	43.5
0°-180°	1565.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2106	
5°	1266	94
15°	237	70
25°	146	69
35°	124	78
45°	118	91
55°	118	106
65°	120	119
75°	121	128
85°	119	97
90°	120	66
95°	123	100
105°	124	131
115°	120	120
125°	114	102
135°	104	80
145°	91	57
155°	78	36
165°	62	18
175°	32	4
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2106.2
2.5°	2285.6
5°	1266.1
7.5°	587.2
10°	431.6
12.5°	297.1
15°	236.8
17.5°	201.8
20°	177.3
22.5°	159.0
25°	146.4
27.5°	138.0
30°	131.7
32.5°	127.5
35°	124.0
37.5°	121.2
40°	119.1
42.5°	118.4
45°	117.7
47.5°	117.0
50°	117.0
52.5°	117.7
55°	117.7
57.5°	118.4
60°	118.4
62.5°	119.1
65°	119.8
67.5°	120.5
70°	120.5
72.5°	121.2
75°	121.2
77.5°	120.5
80°	119.1
82.5°	119.1
85°	119.1
87.5°	119.8
90°	120.5
92.5°	121.9
95°	122.6
97.5°	123.3
100°	124.0
102.5°	124.0
105°	124.0
107.5°	123.3
110°	122.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	121.9
115°	120.5
117.5°	119.1
120°	117.7
122.5°	115.6
125°	113.5
127.5°	111.4
130°	109.3
132.5°	106.5
135°	103.7
137.5°	100.9
140°	97.4
142.5°	94.6
145°	91.1
147.5°	88.3
150°	84.8
152.5°	81.3
155°	77.8
157.5°	74.3
160°	70.1
162.5°	66.6
165°	61.7
167.5°	56.1
170°	49.0
172.5°	41.3
175°	32.2
177.5°	23.8
180°	21.0



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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	7.9	8.9	8.8	9.8	11.0	7.9	8.9	8.8	9.8	11.0
	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	13.9	15.1	12.1	13.0	13.0	13.9	15.1
	6H	13.4	14.3	14.4	15.2	16.4	13.4	14.3	14.4	15.2	16.4
	8H	14.1	14.9	15.0	15.8	17.0	14.1	14.9	15.0	15.8	17.0
	12H	14.7	15.5	15.6	16.4	17.7	14.7	15.5	15.6	16.4	17.7
4H	2H	8.6	9.5	9.5	10.4	11.6	8.6	9.5	9.5	10.4	11.6
	3H	11.6	12.4	12.6	13.4	14.6	11.6	12.4	12.6	13.4	14.6
	4H	13.2	13.9	14.1	14.8	16.1	13.2	13.9	14.1	14.8	16.1
	6H	14.7	15.3	15.6	16.3	17.5	14.7	15.3	15.6	16.3	17.5
	8H	15.4	16.0	16.3	17.0	18.2	15.4	16.0	16.3	17.0	18.2
	12H	16.1	16.7	17.1	17.7	18.9	16.1	16.7	17.1	17.7	18.9
8H	4H	13.7	14.3	14.6	15.2	16.5	13.7	14.3	14.6	15.2	16.5
	6H	15.4	15.9	16.3	16.9	18.1	15.4	15.9	16.3	16.9	18.1
	8H	16.2	16.7	17.2	17.7	19.0	16.2	16.7	17.2	17.7	19.0
	12H	17.1	17.6	18.1	18.6	19.9	17.1	17.6	18.1	18.6	19.9
12H	4H	13.8	14.3	14.7	15.3	16.5	13.8	14.3	14.7	15.3	16.5
	6H	15.5	16.0	16.5	17.0	18.3	15.5	16.0	16.5	17.0	18.3
	8H	16.5	16.9	17.5	17.9	19.2	16.5	16.9	17.5	17.9	19.2

(END OF REPORT)