

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: P1245068

Luminaire Tested: PRLX-NIM-L-935-05L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-935-05L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

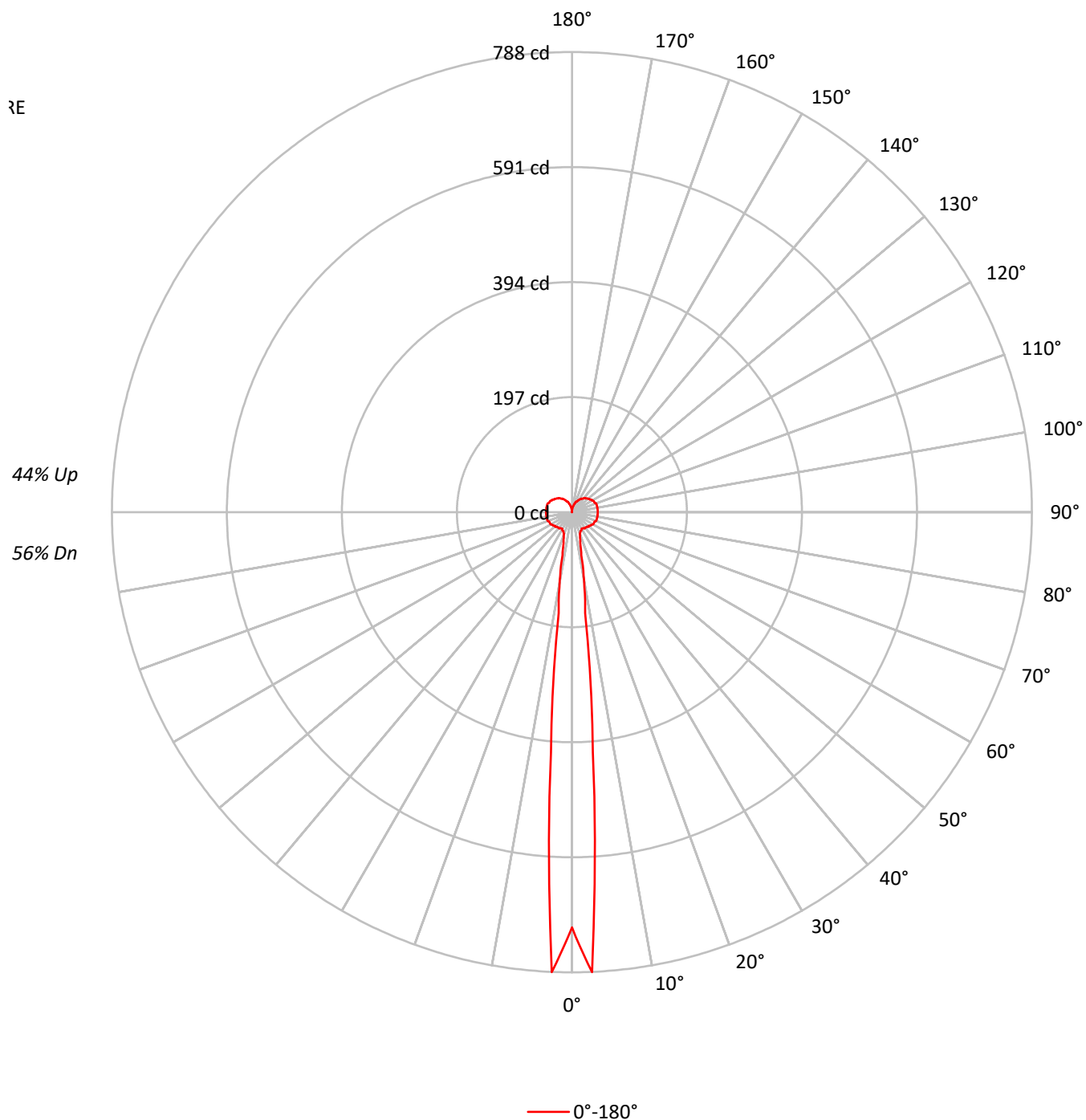
Lumens per Lamp: N/A
Luminaire Lumens: 514.1 lumens
Efficiency: N/A
Efficacy: 34.7 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 14.8
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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56		
1	95	89	83	78	87	82	77	73	70	66	62	58	55	53	48	45	43	38		
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34	30		
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28	24		
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24	20		
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21	18		
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19	16		
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17	15		
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16	13		
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15	12		
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	22500
5°	10187
10°	2427
15°	961
20°	610
25°	487
30°	417
35°	387
40°	388
45°	368
50°	375
55°	386
60°	397
65°	391
70°	408
75°	407
80°	410
85°	416

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 426 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	5.9
10°-20°	17.1	3.3
20°-30°	16.6	3.2
30°-40°	21.3	4.2
40°-50°	28.0	5.4
50°-60°	35.2	6.9
60°-70°	42.0	8.2
70°-80°	46.8	9.1
80°-90°	48.2	9.4
90°-100°	48.2	9.4
100°-110°	46.8	9.1
110°-120°	41.7	8.1
120°-130°	34.2	6.7
130°-140°	26.1	5.1
140°-150°	17.6	3.4
150°-160°	9.7	1.9
160°-170°	3.9	0.8
170°-180°	0.5	0.1
0°-30°	63.9	12.4
0°-40°	85.3	16.6
0°-60°	148.5	28.9
0°-90°	285.5	55.5
90°-120°	136.7	26.6
90°-150°	214.6	41.7
90°-180°	229.0	44.5
0°-180°	514.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	711	
5°	413	30
15°	55	17
25°	35	17
35°	33	21
45°	35	28
55°	40	35
65°	42	42
75°	44	47
85°	44	36
90°	44	24
95°	44	36
105°	44	47
115°	42	42
125°	38	34
135°	33	26
145°	29	18
155°	20	10
165°	13	4
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	711.2
2.5°	788.5
5°	413.0
7.5°	174.5
10°	119.3
12.5°	75.1
15°	55.2
17.5°	46.4
20°	39.8
22.5°	37.5
25°	35.3
27.5°	35.3
30°	33.1
32.5°	33.1
35°	33.1
37.5°	35.3
40°	35.3
42.5°	35.3
45°	35.3
47.5°	37.5
50°	37.5
52.5°	37.5
55°	39.8
57.5°	39.8
60°	42.0
62.5°	42.0
65°	42.0
67.5°	42.0
70°	44.2
72.5°	44.2
75°	44.2
77.5°	44.2
80°	44.2
82.5°	44.2
85°	44.2
87.5°	44.2
90°	44.2
92.5°	44.2
95°	44.2
97.5°	44.2
100°	44.2
102.5°	44.2
105°	44.2
107.5°	44.2
110°	44.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	42.0
115°	42.0
117.5°	42.0
120°	39.8
122.5°	39.8
125°	37.5
127.5°	37.5
130°	35.3
132.5°	35.3
135°	33.1
137.5°	33.1
140°	30.9
142.5°	28.7
145°	28.7
147.5°	26.5
150°	24.3
152.5°	22.1
155°	19.9
157.5°	19.9
160°	17.7
162.5°	15.5
165°	13.3
167.5°	11.0
170°	8.8
172.5°	6.6
175°	2.2
177.5°	0.0
180°	0.0

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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	4.1	5.2	5.0	6.1	7.3	4.1	5.2	5.0	6.1	7.3
	3H	7.2	8.2	8.1	9.1	10.3	7.2	8.2	8.1	9.1	10.3
	4H	8.7	9.6	9.6	10.5	11.7	8.7	9.6	9.6	10.5	11.7
	6H	10.1	11.0	11.1	11.9	13.2	10.1	11.0	11.1	11.9	13.2
	8H	10.8	11.6	11.7	12.6	13.8	10.8	11.6	11.7	12.6	13.8
	12H	11.5	12.3	12.4	13.2	14.5	11.5	12.3	12.4	13.2	14.5
4H	2H	4.9	5.8	5.8	6.8	8.0	4.9	5.8	5.8	6.8	8.0
	3H	8.2	9.0	9.1	9.9	11.2	8.2	9.0	9.1	9.9	11.2
	4H	9.8	10.6	10.7	11.5	12.8	9.8	10.6	10.7	11.5	12.8
	6H	11.4	12.1	12.4	13.1	14.3	11.4	12.1	12.4	13.1	14.3
	8H	12.2	12.8	13.1	13.8	15.0	12.2	12.8	13.1	13.8	15.0
	12H	12.9	13.5	13.9	14.5	15.8	12.9	13.5	13.9	14.5	15.8
8H	4H	10.3	11.0	11.3	11.9	13.2	10.3	11.0	11.3	11.9	13.2
	6H	12.1	12.7	13.1	13.7	14.9	12.1	12.7	13.1	13.7	14.9
	8H	13.1	13.5	14.0	14.5	15.8	13.1	13.5	14.0	14.5	15.8
	12H	14.0	14.4	15.0	15.4	16.7	14.0	14.4	15.0	15.4	16.7
12H	4H	10.5	11.0	11.4	12.0	13.3	10.5	11.0	11.4	12.0	13.3
	6H	12.3	12.8	13.3	13.8	15.1	12.3	12.8	13.3	13.8	15.1
	8H	13.3	13.7	14.3	14.7	16.1	13.3	13.7	14.3	14.7	16.1

(END OF REPORT)