

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: P1245476

Luminaire Tested: PRLX-UNA-S-935-05L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-S-935-05L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

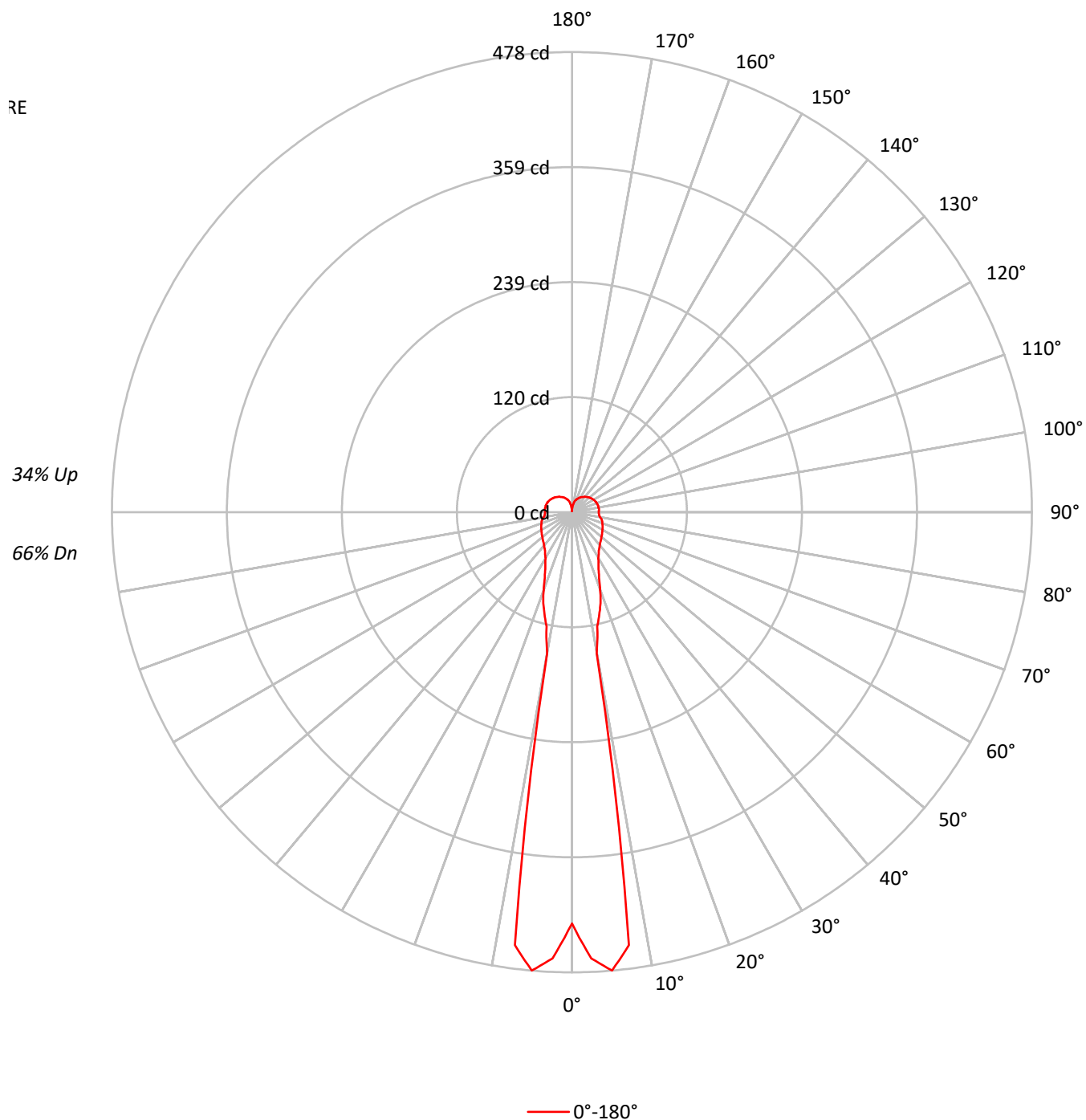
Lumens per Lamp: N/A
Luminaire Lumens: 447.0 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 11.1
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	
RCR																						
0	111	111	111	111		105	105	105	105		92	92	92		81	81	81		71	71	71	
1	99	94	89	84		93	88	84	80		78	74	71		68	65	63		59	57	55	
2	90	81	74	68		84	77	70	65		68	63	58		59	55	52		52	49	46	
3	82	72	64	57		77	68	60	55		60	54	49		53	48	44		46	43	40	
4	76	64	56	49		71	61	53	47		54	48	43		48	43	39		42	38	35	
5	70	58	49	43		66	55	47	41		49	43	38		44	38	34		38	34	31	
6	65	53	44	38		61	50	42	37		45	39	34		40	35	31		36	32	28	
7	61	48	40	35		57	46	39	33		42	35	31		37	32	28		33	29	26	
8	57	45	37	31		54	43	35	30		39	33	28		35	30	26		31	27	24	
9	54	42	34	29		51	40	33	28		36	30	26		33	28	24		30	26	23	
10	51	39	32	27		48	37	31	26		34	28	24		31	26	23		28	24	21	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20932
5°	19422
10°	5204
15°	3392
20°	2387
25°	1668
30°	1299
35°	1087
40°	955
45°	862
50°	790
55°	737
60°	695
65°	662
70°	634
75°	610
80°	575
85°	559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 862 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	8.4
10°-20°	30.9	6.9
20°-30°	30.7	6.9
30°-40°	30.8	6.9
40°-50°	32.7	7.3
50°-60°	34.3	7.7
60°-70°	34.8	7.8
70°-80°	33.9	7.6
80°-90°	31.1	6.9
90°-100°	30.7	6.9
100°-110°	29.5	6.6
110°-120°	26.6	6.0
120°-130°	22.3	5.0
130°-140°	17.3	3.9
140°-150°	12.1	2.7
150°-160°	7.4	1.7
160°-170°	3.4	0.8
170°-180°	0.6	0.1
0°-30°	99.2	22.2
0°-40°	130.1	29.1
0°-60°	197.2	44.1
0°-90°	297.0	66.5
90°-120°	86.8	19.4
90°-150°	138.5	31.0
90°-180°	150.0	33.6
0°-180°	447.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	427	
5°	478	38
15°	110	31
25°	65	31
35°	49	31
45°	42	33
55°	38	34
65°	35	35
75°	32	34
85°	28	23
90°	28	15
95°	28	23
105°	28	29
115°	27	27
125°	25	22
135°	22	17
145°	19	12
155°	16	7
165°	12	3
175°	4	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	427.3
2.5°	463.9
5°	477.9
7.5°	453.7
10°	148.9
12.5°	121.7
15°	109.9
17.5°	99.0
20°	85.8
22.5°	73.7
25°	65.4
27.5°	59.7
30°	54.8
32.5°	51.8
35°	48.7
37.5°	46.8
40°	45.0
42.5°	43.4
45°	42.3
47.5°	41.2
50°	40.0
52.5°	39.3
55°	38.2
57.5°	37.4
60°	36.6
62.5°	35.9
65°	35.1
67.5°	34.4
70°	33.6
72.5°	33.2
75°	32.1
77.5°	31.4
80°	29.8
82.5°	28.7
85°	28.3
87.5°	28.0
90°	28.0
92.5°	28.0
95°	28.3
97.5°	28.3
100°	28.0
102.5°	28.0
105°	28.0
107.5°	27.6
110°	27.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	27.2
115°	26.8
117.5°	26.4
120°	26.1
122.5°	25.3
125°	24.9
127.5°	24.2
130°	23.8
132.5°	23.0
135°	22.3
137.5°	21.5
140°	20.8
142.5°	20.0
145°	19.3
147.5°	18.5
150°	17.8
152.5°	17.0
155°	15.9
157.5°	15.1
160°	14.0
162.5°	13.2
165°	12.1
167.5°	10.6
170°	8.7
172.5°	6.8
175°	4.5
177.5°	2.3
180°	1.1

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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	7.0	8.0	7.8	8.9	9.9	7.0	8.0	7.8	8.9	9.9
	3H	9.4	10.4	10.2	11.2	12.3	9.4	10.4	10.2	11.2	12.3
	4H	10.6	11.5	11.4	12.4	13.4	10.6	11.5	11.4	12.4	13.4
	6H	11.7	12.6	12.5	13.4	14.5	11.7	12.6	12.5	13.4	14.5
	8H	12.2	13.0	13.0	13.9	15.0	12.2	13.0	13.0	13.9	15.0
	12H	12.7	13.5	13.5	14.4	15.4	12.7	13.5	13.5	14.4	15.4
4H	2H	7.6	8.5	8.4	9.4	10.4	7.6	8.5	8.4	9.4	10.4
	3H	10.3	11.1	11.1	11.9	13.0	10.3	11.1	11.1	11.9	13.0
	4H	11.6	12.3	12.4	13.2	14.3	11.6	12.3	12.4	13.2	14.3
	6H	12.9	13.5	13.7	14.4	15.5	12.9	13.5	13.7	14.4	15.5
	8H	13.4	14.1	14.3	15.0	16.1	13.4	14.1	14.3	15.0	16.1
	12H	14.0	14.6	14.9	15.5	16.6	14.0	14.6	14.9	15.5	16.6
8H	4H	12.0	12.6	12.9	13.5	14.6	12.0	12.6	12.9	13.5	14.6
	6H	13.5	14.0	14.3	14.9	16.0	13.5	14.0	14.3	14.9	16.0
	8H	14.2	14.7	15.1	15.6	16.7	14.2	14.7	15.1	15.6	16.7
	12H	15.0	15.4	15.9	16.3	17.5	15.0	15.4	15.9	16.3	17.5
12H	4H	12.1	12.6	13.0	13.5	14.7	12.1	12.6	13.0	13.5	14.7
	6H	13.6	14.1	14.5	15.0	16.1	13.6	14.1	14.5	15.0	16.1
	8H	14.4	14.8	15.3	15.7	16.9	14.4	14.8	15.3	15.7	16.9

(END OF REPORT)