

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: P1245338

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245338
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: Prenalux
Catalog Number: PRLX-UNA-L-935-05L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

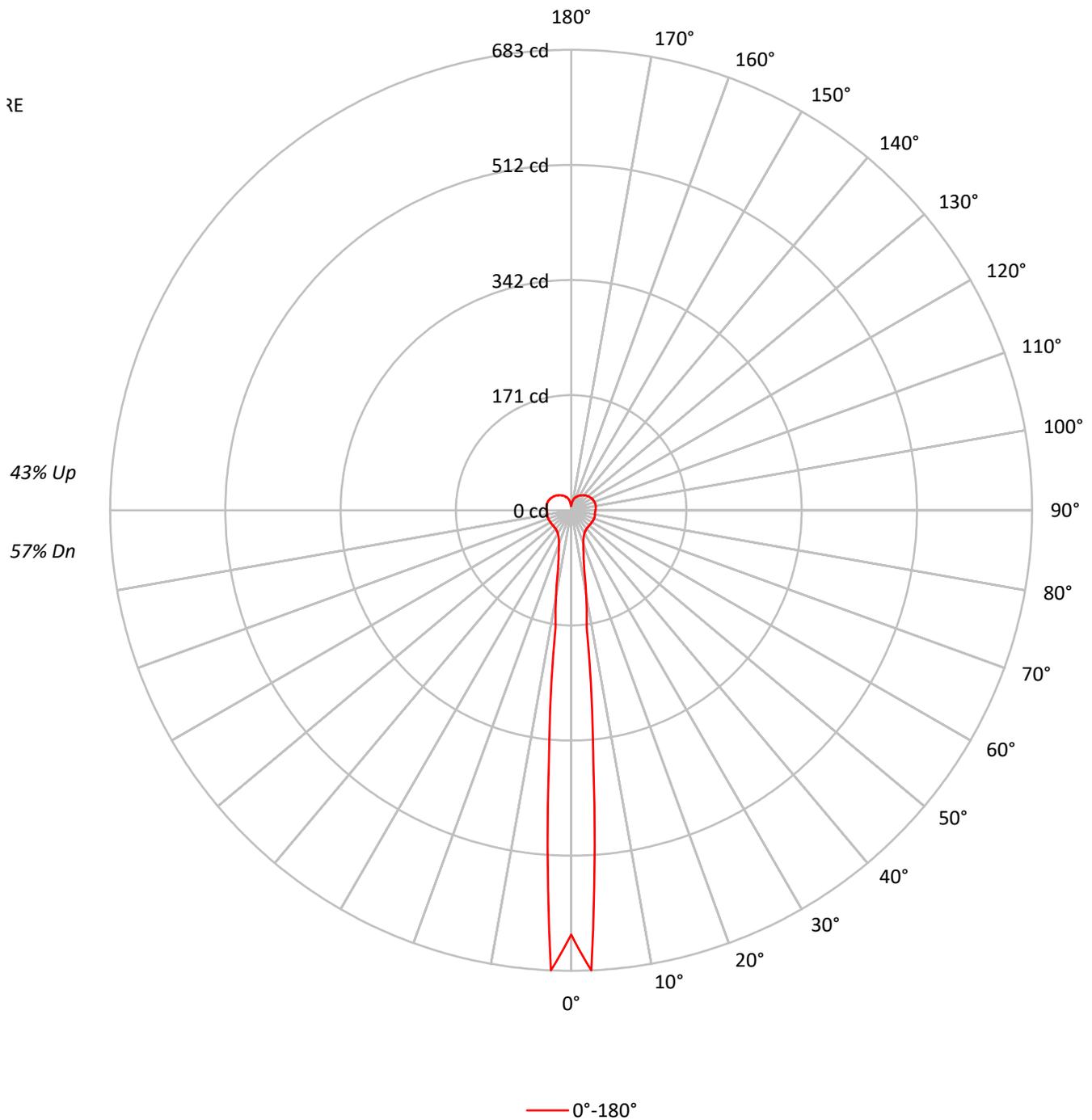
Lumens per Lamp: N/A
Luminaire Lumens: 468.0 lumens
Efficiency: N/A
Efficacy: 31.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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	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	57
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°	19912
5°	9334
10°	2624
15°	1233
20°	813
25°	604
30°	497
35°	434
40°	391
45°	367
50°	350
55°	341
60°	335
65°	333
70°	332
75°	334
80°	330
85°	335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 367 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	6.0
10°-20°	21.0	4.5
20°-30°	20.5	4.4
30°-40°	23.3	5.0
40°-50°	27.3	5.8
50°-60°	31.6	6.8
60°-70°	35.5	7.6
70°-80°	38.1	8.1
80°-90°	39.0	8.3
90°-100°	39.9	8.5
100°-110°	39.1	8.4
110°-120°	35.7	7.6
120°-130°	30.4	6.5
130°-140°	24.0	5.1
140°-150°	17.2	3.7
150°-160°	10.8	2.3
160°-170°	5.3	1.1
170°-180°	1.1	0.2
0°-30°	69.6	14.9
0°-40°	92.9	19.9
0°-60°	151.8	32.4
0°-90°	264.5	56.5
90°-120°	114.8	24.5
90°-150°	186.4	39.8
90°-180°	204.0	43.6
0°-180°	468.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	629	
5°	378	28
15°	71	21
25°	44	21
35°	37	23
45°	35	27
55°	35	32
65°	36	36
75°	36	38
85°	36	29
90°	36	20
95°	37	30
105°	37	39
115°	36	36
125°	34	30
135°	31	24
145°	27	17
155°	23	11
165°	18	5
175°	10	1
180°	6	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	629.4
2.5°	683.0
5°	378.4
7.5°	175.5
10°	129.0
12.5°	88.8
15°	70.8
17.5°	60.3
20°	53.0
22.5°	47.5
25°	43.8
27.5°	41.3
30°	39.4
32.5°	38.1
35°	37.1
37.5°	36.2
40°	35.6
42.5°	35.4
45°	35.2
47.5°	35.0
50°	35.0
52.5°	35.2
55°	35.2
57.5°	35.4
60°	35.4
62.5°	35.6
65°	35.8
67.5°	36.0
70°	36.0
72.5°	36.2
75°	36.2
77.5°	36.0
80°	35.6
82.5°	35.6
85°	35.6
87.5°	35.8
90°	36.0
92.5°	36.4
95°	36.6
97.5°	36.9
100°	37.1
102.5°	37.1
105°	37.1
107.5°	36.9
110°	36.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	36.4
115°	36.0
117.5°	35.6
120°	35.2
122.5°	34.5
125°	33.9
127.5°	33.3
130°	32.7
132.5°	31.8
135°	31.0
137.5°	30.2
140°	29.1
142.5°	28.3
145°	27.2
147.5°	26.4
150°	25.3
152.5°	24.3
155°	23.2
157.5°	22.2
160°	20.9
162.5°	19.9
165°	18.4
167.5°	16.8
170°	14.7
172.5°	12.4
175°	9.6
177.5°	7.1
180°	6.3



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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	3.7	4.7	4.6	5.6	6.8	3.7	4.7	4.6	5.6	6.8
	3H	6.5	7.4	7.4	8.4	9.6	6.5	7.4	7.4	8.4	9.6
	4H	7.9	8.8	8.8	9.7	10.9	7.9	8.8	8.8	9.7	10.9
	6H	9.2	10.1	10.2	11.0	12.2	9.2	10.1	10.2	11.0	12.2
	8H	9.9	10.7	10.8	11.6	12.8	9.9	10.7	10.8	11.6	12.8
	12H	10.5	11.3	11.4	12.2	13.5	10.5	11.3	11.4	12.2	13.5
4H	2H	4.4	5.3	5.3	6.2	7.4	4.4	5.3	5.3	6.2	7.4
	3H	7.4	8.2	8.4	9.2	10.4	7.4	8.2	8.4	9.2	10.4
	4H	9.0	9.7	9.9	10.6	11.9	9.0	9.7	9.9	10.6	11.9
	6H	10.5	11.1	11.4	12.1	13.3	10.5	11.1	11.4	12.1	13.3
	8H	11.2	11.8	12.1	12.8	14.0	11.2	11.8	12.1	12.8	14.0
	12H	11.9	12.5	12.9	13.5	14.7	11.9	12.5	12.9	13.5	14.7
8H	4H	9.5	10.1	10.4	11.0	12.3	9.5	10.1	10.4	11.0	12.3
	6H	11.2	11.7	12.1	12.7	13.9	11.2	11.7	12.1	12.7	13.9
	8H	12.0	12.5	13.0	13.5	14.8	12.0	12.5	13.0	13.5	14.8
	12H	13.0	13.4	13.9	14.4	15.7	13.0	13.4	13.9	14.4	15.7
12H	4H	9.6	10.1	10.5	11.1	12.3	9.6	10.1	10.5	11.1	12.3
	6H	11.3	11.8	12.3	12.8	14.1	11.3	11.8	12.3	12.8	14.1
	8H	12.3	12.7	13.3	13.7	15.0	12.3	12.7	13.3	13.7	15.0

(END OF REPORT)