

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: P1245339

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245339
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-935-05L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

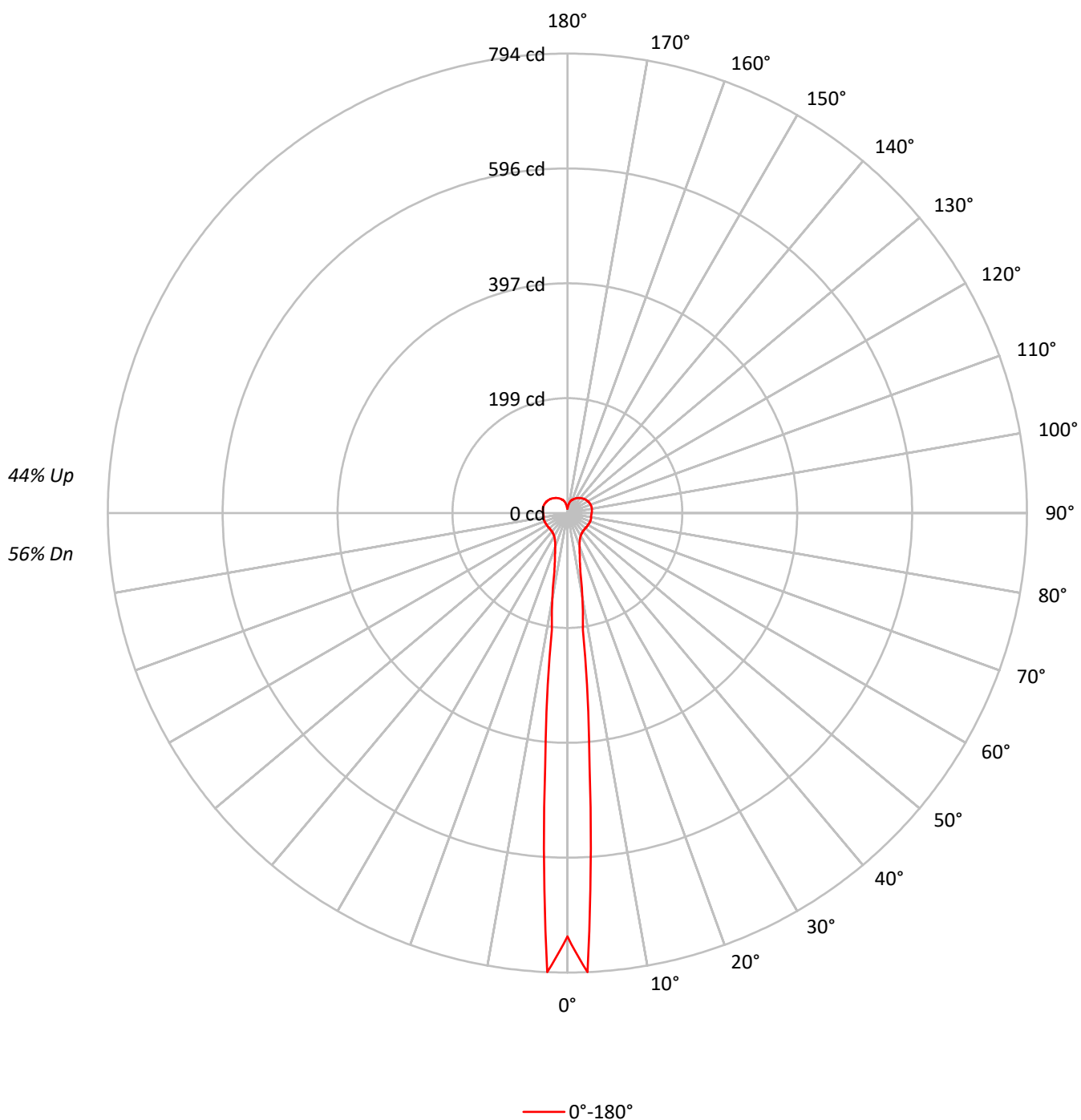
Lumens per Lamp: N/A
Luminaire Lumens: 544.1 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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

TEST NUMBER: P1245339

CATALOG NUMBER: PRLX-UNA-L-935-05L-U-OW

Luminous Intensity Polar Plot





TEST NUMBER: P1245339

CATALOG NUMBER: PRLX-UNA-L-935-05L-U-OW

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	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°	23148
5°	10848
10°	3049
15°	1433
20°	944
25°	702
30°	577
35°	504
40°	455
45°	427
50°	406
55°	396
60°	389
65°	387
70°	386
75°	388
80°	384
85°	390

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 427 cd/sqm

TEST NUMBER: P1245339

CATALOG NUMBER: PRLX-UNA-L-935-05L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	6.0
10°-20°	24.5	4.5
20°-30°	23.8	4.4
30°-40°	27.1	5.0
40°-50°	31.7	5.8
50°-60°	36.7	6.8
60°-70°	41.3	7.6
70°-80°	44.4	8.2
80°-90°	45.3	8.3
90°-100°	46.5	8.5
100°-110°	45.5	8.4
110°-120°	41.6	7.6
120°-130°	35.4	6.5
130°-140°	27.9	5.1
140°-150°	20.0	3.7
150°-160°	12.6	2.3
160°-170°	6.1	1.1
170°-180°	1.3	0.2
0°-30°	80.9	14.9
0°-40°	108.0	19.9
0°-60°	176.4	32.4
0°-90°	307.4	56.5
90°-120°	133.5	24.5
90°-150°	216.8	39.8
90°-180°	237.0	43.6
0°-180°	544.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	732	
5°	440	33
15°	82	24
25°	51	24
35°	43	27
45°	41	32
55°	41	37
65°	42	41
75°	42	44
85°	41	34
90°	42	23
95°	43	35
105°	43	45
115°	42	42
125°	39	35
135°	36	28
145°	32	20
155°	27	13
165°	21	6
175°	11	1
180°	7	

TEST NUMBER: P1245339

CATALOG NUMBER: PRLX-UNA-L-935-05L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	731.7
2.5°	794.0
5°	439.8
7.5°	204.0
10°	149.9
12.5°	103.2
15°	82.3
17.5°	70.1
20°	61.6
22.5°	55.3
25°	50.9
27.5°	47.9
30°	45.8
32.5°	44.3
35°	43.1
37.5°	42.1
40°	41.4
42.5°	41.1
45°	40.9
47.5°	40.6
50°	40.6
52.5°	40.9
55°	40.9
57.5°	41.1
60°	41.1
62.5°	41.4
65°	41.6
67.5°	41.9
70°	41.9
72.5°	42.1
75°	42.1
77.5°	41.9
80°	41.4
82.5°	41.4
85°	41.4
87.5°	41.6
90°	41.9
92.5°	42.4
95°	42.6
97.5°	42.8
100°	43.1
102.5°	43.1
105°	43.1
107.5°	42.8
110°	42.6

TEST NUMBER: P1245339

CATALOG NUMBER: PRLX-UNA-L-935-05L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	42.4
115°	41.9
117.5°	41.4
120°	40.9
122.5°	40.2
125°	39.4
127.5°	38.7
130°	38.0
132.5°	37.0
135°	36.0
137.5°	35.0
140°	33.8
142.5°	32.9
145°	31.6
147.5°	30.7
150°	29.5
152.5°	28.2
155°	27.0
157.5°	25.8
160°	24.3
162.5°	23.1
165°	21.4
167.5°	19.5
170°	17.0
172.5°	14.4
175°	11.2
177.5°	8.3
180°	7.3

TEST NUMBER: P1245339

CATALOG NUMBER: PRLX-UNA-L-935-05L-U-OW

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	4.2	5.2	5.1	6.1	7.3	4.2	5.2	5.1	6.1	7.3
	3H	7.0	8.0	7.9	8.9	10.1	7.0	8.0	7.9	8.9	10.1
	4H	8.4	9.3	9.3	10.2	11.4	8.4	9.3	9.3	10.2	11.4
	6H	9.8	10.6	10.7	11.5	12.7	9.8	10.6	10.7	11.5	12.7
	8H	10.4	11.2	11.3	12.1	13.4	10.4	11.2	11.3	12.1	13.4
	12H	11.0	11.8	12.0	12.7	14.0	11.0	11.8	12.0	12.7	14.0
4H	2H	4.9	5.8	5.8	6.7	7.9	4.9	5.8	5.8	6.7	7.9
	3H	8.0	8.7	8.9	9.7	10.9	8.0	8.7	8.9	9.7	10.9
	4H	9.5	10.2	10.4	11.2	12.4	9.5	10.2	10.4	11.2	12.4
	6H	11.0	11.6	11.9	12.6	13.8	11.0	11.6	11.9	12.6	13.8
	8H	11.7	12.3	12.7	13.3	14.6	11.7	12.3	12.7	13.3	14.6
	12H	12.5	13.0	13.4	14.0	15.3	12.5	13.0	13.4	14.0	15.3
8H	4H	10.0	10.6	10.9	11.6	12.8	10.0	10.6	10.9	11.6	12.8
	6H	11.7	12.2	12.7	13.2	14.5	11.7	12.2	12.7	13.2	14.5
	8H	12.6	13.0	13.5	14.0	15.3	12.6	13.0	13.5	14.0	15.3
	12H	13.5	13.9	14.5	14.9	16.2	13.5	13.9	14.5	14.9	16.2
12H	4H	10.1	10.6	11.0	11.6	12.9	10.1	10.6	11.0	11.6	12.9
	6H	11.9	12.3	12.8	13.3	14.6	11.9	12.3	12.8	13.3	14.6
	8H	12.8	13.2	13.8	14.2	15.5	12.8	13.2	13.8	14.2	15.5

(END OF REPORT)