

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: P1245477

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245477
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-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

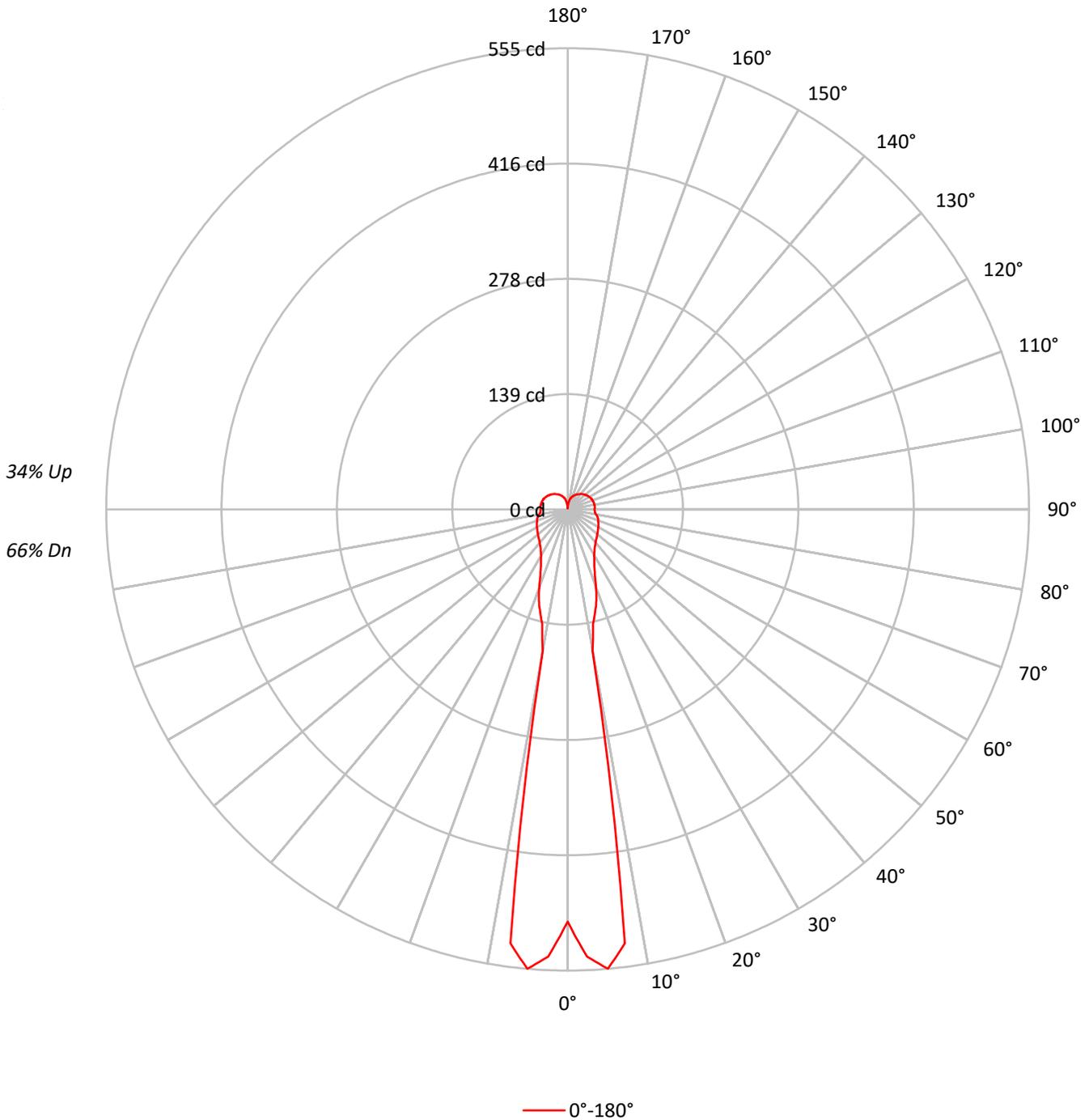
Lumens per Lamp: N/A
Luminaire Lumens: 519.0 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

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

TEST NUMBER: P1245477

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

Luminous Intensity Polar Plot





TEST NUMBER: P1245477

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

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	111	111	111	111	105	105	105	105	92	92	92	81	81	81	71	71	71	66
1	99	94	89	84	93	88	84	80	78	74	71	68	65	63	59	57	55	51
2	90	81	74	68	84	77	70	65	68	63	58	59	55	52	52	49	46	42
3	82	72	64	57	77	68	60	55	60	54	49	53	48	44	46	43	40	36
4	76	64	56	49	71	61	53	47	54	48	43	48	43	39	42	38	35	32
5	70	58	49	43	66	55	47	41	49	43	38	44	38	34	38	34	31	28
6	65	53	44	38	61	50	42	37	45	39	34	40	35	31	36	32	28	26
7	61	48	40	35	57	46	39	33	42	35	31	37	32	28	33	29	26	24
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26	33	28	24	30	26	23	21
10	51	39	32	27	48	37	30	26	34	28	24	31	26	23	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24303
5°	22552
10°	6040
15°	3942
20°	2771
25°	1936
30°	1508
35°	1263
40°	1108
45°	1000
50°	918
55°	855
60°	809
65°	769
70°	736
75°	709
80°	670
85°	650

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1000 cd/sqm

TEST NUMBER: P1245477

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	8.4
10°-20°	35.9	6.9
20°-30°	35.7	6.9
30°-40°	35.8	6.9
40°-50°	38.0	7.3
50°-60°	39.9	7.7
60°-70°	40.5	7.8
70°-80°	39.4	7.6
80°-90°	36.1	7.0
90°-100°	35.7	6.9
100°-110°	34.2	6.6
110°-120°	30.9	6.0
120°-130°	25.9	5.0
130°-140°	20.1	3.9
140°-150°	14.1	2.7
150°-160°	8.6	1.7
160°-170°	4.0	0.8
170°-180°	0.7	0.1
0°-30°	115.2	22.2
0°-40°	151.0	29.1
0°-60°	228.9	44.1
0°-90°	344.9	66.5
90°-120°	100.8	19.4
90°-150°	160.9	31.0
90°-180°	174.0	33.5
0°-180°	519.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	496	
5°	555	44
15°	128	36
25°	76	36
35°	57	36
45°	49	38
55°	44	40
65°	41	40
75°	37	39
85°	33	27
90°	32	18
95°	33	27
105°	32	34
115°	31	31
125°	29	26
135°	26	20
145°	22	14
155°	18	9
165°	14	4
175°	5	1
180°	1	

TEST NUMBER: P1245477

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	496.1
2.5°	538.7
5°	554.9
7.5°	526.8
10°	172.8
12.5°	141.2
15°	127.7
17.5°	114.9
20°	99.6
22.5°	85.5
25°	75.9
27.5°	69.3
30°	63.6
32.5°	60.1
35°	56.6
37.5°	54.4
40°	52.2
42.5°	50.4
45°	49.1
47.5°	47.8
50°	46.5
52.5°	45.6
55°	44.3
57.5°	43.4
60°	42.6
62.5°	41.7
65°	40.8
67.5°	39.9
70°	39.0
72.5°	38.6
75°	37.3
77.5°	36.4
80°	34.7
82.5°	33.3
85°	32.9
87.5°	32.5
90°	32.5
92.5°	32.5
95°	32.9
97.5°	32.9
100°	32.5
102.5°	32.5
105°	32.5
107.5°	32.0
110°	32.0

TEST NUMBER: P1245477

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	31.6
115°	31.1
117.5°	30.7
120°	30.3
122.5°	29.4
125°	29.0
127.5°	28.1
130°	27.6
132.5°	26.8
135°	25.9
137.5°	25.0
140°	24.1
142.5°	23.2
145°	22.4
147.5°	21.5
150°	20.6
152.5°	19.7
155°	18.4
157.5°	17.5
160°	16.2
162.5°	15.4
165°	14.0
167.5°	12.3
170°	10.1
172.5°	7.9
175°	5.3
177.5°	2.6
180°	1.3



TEST NUMBER: P1245477

CATALOG NUMBER: PRLX-UNA-S-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	7.5	8.6	8.3	9.4	10.4	7.5	8.6	8.3	9.4	10.4
	3H	9.9	10.9	10.7	11.7	12.8	9.9	10.9	10.7	11.7	12.8
	4H	11.1	12.0	11.9	12.9	13.9	11.1	12.0	11.9	12.9	13.9
	6H	12.2	13.1	13.0	13.9	15.0	12.2	13.1	13.0	13.9	15.0
	8H	12.7	13.5	13.6	14.4	15.5	12.7	13.5	13.6	14.4	15.5
	12H	13.2	14.0	14.1	14.9	16.0	13.2	14.0	14.1	14.9	16.0
4H	2H	8.1	9.0	8.9	9.9	10.9	8.1	9.0	8.9	9.9	10.9
	3H	10.8	11.6	11.6	12.4	13.5	10.8	11.6	11.6	12.4	13.5
	4H	12.1	12.8	12.9	13.7	14.8	12.1	12.8	12.9	13.7	14.8
	6H	13.4	14.0	14.2	14.9	16.0	13.4	14.0	14.2	14.9	16.0
	8H	14.0	14.6	14.8	15.5	16.6	14.0	14.6	14.8	15.5	16.6
	12H	14.6	15.1	15.4	16.0	17.2	14.6	15.1	15.4	16.0	17.2
8H	4H	12.5	13.1	13.4	14.0	15.1	12.5	13.1	13.4	14.0	15.1
	6H	14.0	14.5	14.9	15.4	16.5	14.0	14.5	14.9	15.4	16.5
	8H	14.7	15.2	15.6	16.1	17.2	14.7	15.2	15.6	16.1	17.2
	12H	15.5	15.9	16.4	16.8	18.0	15.5	15.9	16.4	16.8	18.0
12H	4H	12.6	13.2	13.5	14.1	15.2	12.6	13.2	13.5	14.1	15.2
	6H	14.1	14.6	15.0	15.5	16.7	14.1	14.6	15.0	15.5	16.7
	8H	14.9	15.4	15.8	16.3	17.4	14.9	15.4	15.8	16.3	17.4

(END OF REPORT)