

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: P1245485

Luminaire Tested: PRLX-UNA-S-935-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245485
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-935-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

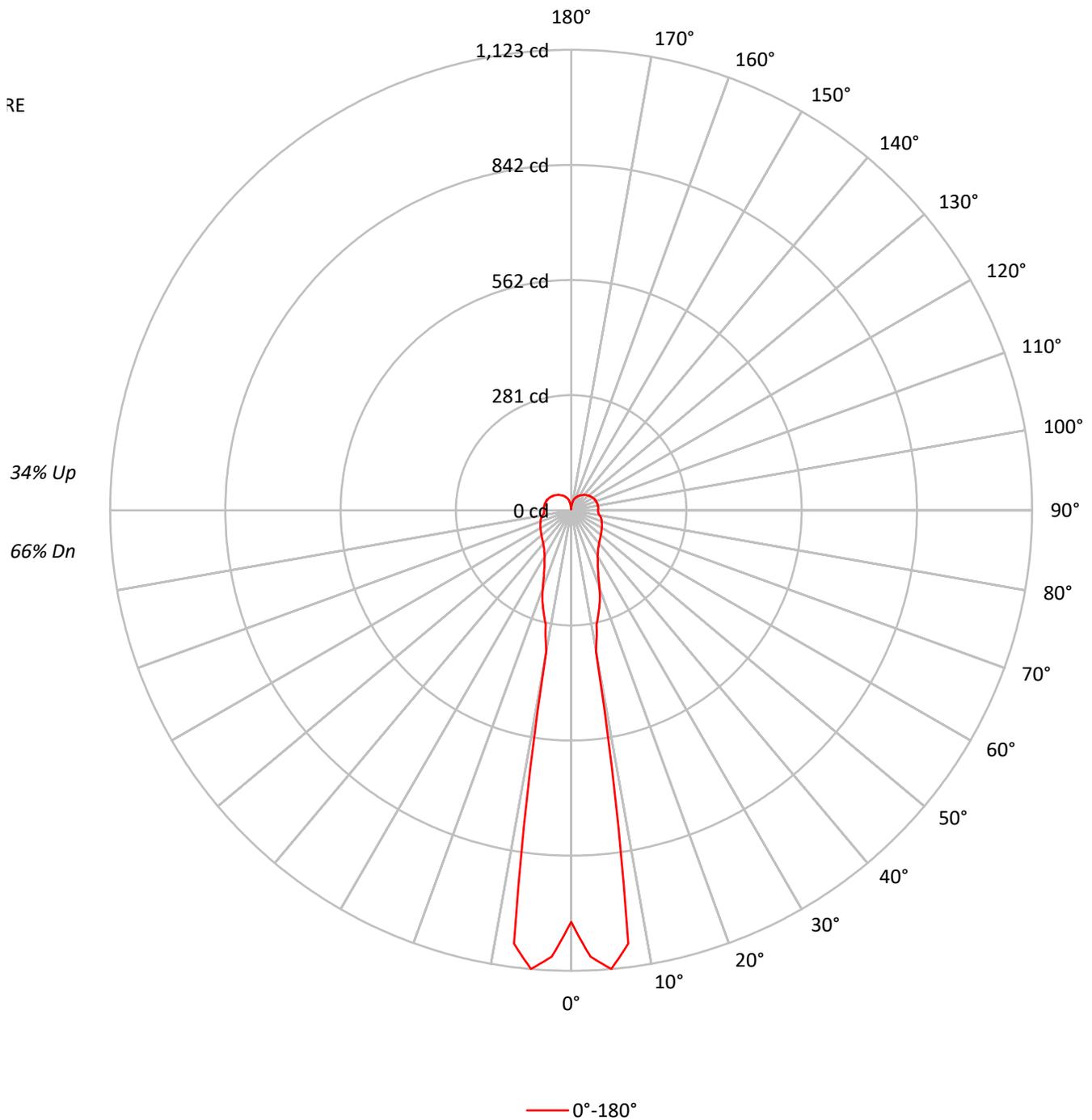
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1050.1 lumens
Efficiency: N/A
Efficacy: 36.3 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): 28.9
Input Voltage (V): NR
Input Current (A_{in}): 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: P1245485
CATALOG NUMBER: PRLX-UNA-S-935-12L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1245485

CATALOG NUMBER: PRLX-UNA-S-935-12L-U-NL

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°	49169
5°	45628
10°	12223
15°	7973
20°	5607
25°	3915
30°	3052
35°	2555
40°	2241
45°	2025
50°	1858
55°	1728
60°	1636
65°	1556
70°	1490
75°	1433
80°	1353
85°	1317

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2025 cd/sqm



TEST NUMBER: P1245485

CATALOG NUMBER: PRLX-UNA-S-935-12L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	8.4
10°-20°	72.7	6.9
20°-30°	72.2	6.9
30°-40°	72.5	6.9
40°-50°	76.9	7.3
50°-60°	80.7	7.7
60°-70°	81.9	7.8
70°-80°	79.8	7.6
80°-90°	73.0	7.0
90°-100°	72.2	6.9
100°-110°	69.2	6.6
110°-120°	62.6	6.0
120°-130°	52.4	5.0
130°-140°	40.6	3.9
140°-150°	28.5	2.7
150°-160°	17.5	1.7
160°-170°	8.0	0.8
170°-180°	1.3	0.1
0°-30°	233.1	22.2
0°-40°	305.6	29.1
0°-60°	463.2	44.1
0°-90°	697.8	66.5
90°-120°	203.9	19.4
90°-150°	325.4	31.0
90°-180°	352.0	33.5
0°-180°	1050.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1004	
5°	1123	88
15°	258	73
25°	154	72
35°	114	72
45°	99	77
55°	90	81
65°	82	82
75°	75	80
85°	67	55
90°	66	36
95°	67	54
105°	66	69
115°	63	63
125°	59	52
135°	52	41
145°	45	29
155°	37	17
165°	28	8
175°	11	1
180°	3	

TEST NUMBER: P1245485

CATALOG NUMBER: PRLX-UNA-S-935-12L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	1003.7
2.5°	1089.8
5°	1122.7
7.5°	1065.9
10°	349.7
12.5°	285.8
15°	258.3
17.5°	232.5
20°	201.5
22.5°	173.1
25°	153.5
27.5°	140.2
30°	128.7
32.5°	121.6
35°	114.5
37.5°	110.0
40°	105.6
42.5°	102.1
45°	99.4
47.5°	96.7
50°	94.1
52.5°	92.3
55°	89.6
57.5°	87.9
60°	86.1
62.5°	84.3
65°	82.5
67.5°	80.8
70°	79.0
72.5°	78.1
75°	75.4
77.5°	73.7
80°	70.1
82.5°	67.4
85°	66.6
87.5°	65.7
90°	65.7
92.5°	65.7
95°	66.6
97.5°	66.6
100°	65.7
102.5°	65.7
105°	65.7
107.5°	64.8
110°	64.8

TEST NUMBER: P1245485

CATALOG NUMBER: PRLX-UNA-S-935-12L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	63.9
115°	63.0
117.5°	62.1
120°	61.2
122.5°	59.5
125°	58.6
127.5°	56.8
130°	55.9
132.5°	54.1
135°	52.4
137.5°	50.6
140°	48.8
142.5°	47.0
145°	45.3
147.5°	43.5
150°	41.7
152.5°	39.9
155°	37.3
157.5°	35.5
160°	32.8
162.5°	31.1
165°	28.4
167.5°	24.8
170°	20.4
172.5°	16.0
175°	10.6
177.5°	5.3
180°	2.7



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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	9.9	11.0	10.7	11.8	12.8	9.9	11.0	10.7	11.8	12.8
	3H	12.4	13.4	13.2	14.2	15.2	12.4	13.4	13.2	14.2	15.2
	4H	13.5	14.5	14.4	15.3	16.4	13.5	14.5	14.4	15.3	16.4
	6H	14.7	15.5	15.5	16.4	17.4	14.7	15.5	15.5	16.4	17.4
	8H	15.2	16.0	16.0	16.9	17.9	15.2	16.0	16.0	16.9	17.9
	12H	15.7	16.5	16.5	17.3	18.4	15.7	16.5	16.5	17.3	18.4
4H	2H	10.6	11.5	11.4	12.3	13.4	10.6	11.5	11.4	12.3	13.4
	3H	13.2	14.0	14.1	14.9	16.0	13.2	14.0	14.1	14.9	16.0
	4H	14.5	15.3	15.4	16.2	17.2	14.5	15.3	15.4	16.2	17.2
	6H	15.8	16.5	16.7	17.4	18.5	15.8	16.5	16.7	17.4	18.5
	8H	16.4	17.0	17.3	17.9	19.0	16.4	17.0	17.3	17.9	19.0
	12H	17.0	17.6	17.9	18.5	19.6	17.0	17.6	17.9	18.5	19.6
8H	4H	15.0	15.6	15.8	16.5	17.6	15.0	15.6	15.8	16.5	17.6
	6H	16.4	17.0	17.3	17.9	19.0	16.4	17.0	17.3	17.9	19.0
	8H	17.2	17.6	18.1	18.6	19.7	17.2	17.6	18.1	18.6	19.7
	12H	17.9	18.4	18.8	19.3	20.4	17.9	18.4	18.8	19.3	20.4
12H	4H	15.0	15.6	15.9	16.5	17.6	15.0	15.6	15.9	16.5	17.6
	6H	16.6	17.1	17.5	18.0	19.1	16.6	17.1	17.5	18.0	19.1
	8H	17.4	17.8	18.3	18.7	19.9	17.4	17.8	18.3	18.7	19.9

(END OF REPORT)