

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: P1245488

Luminaire Tested: PRLX-UNA-S-940-02L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245488
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-940-02L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

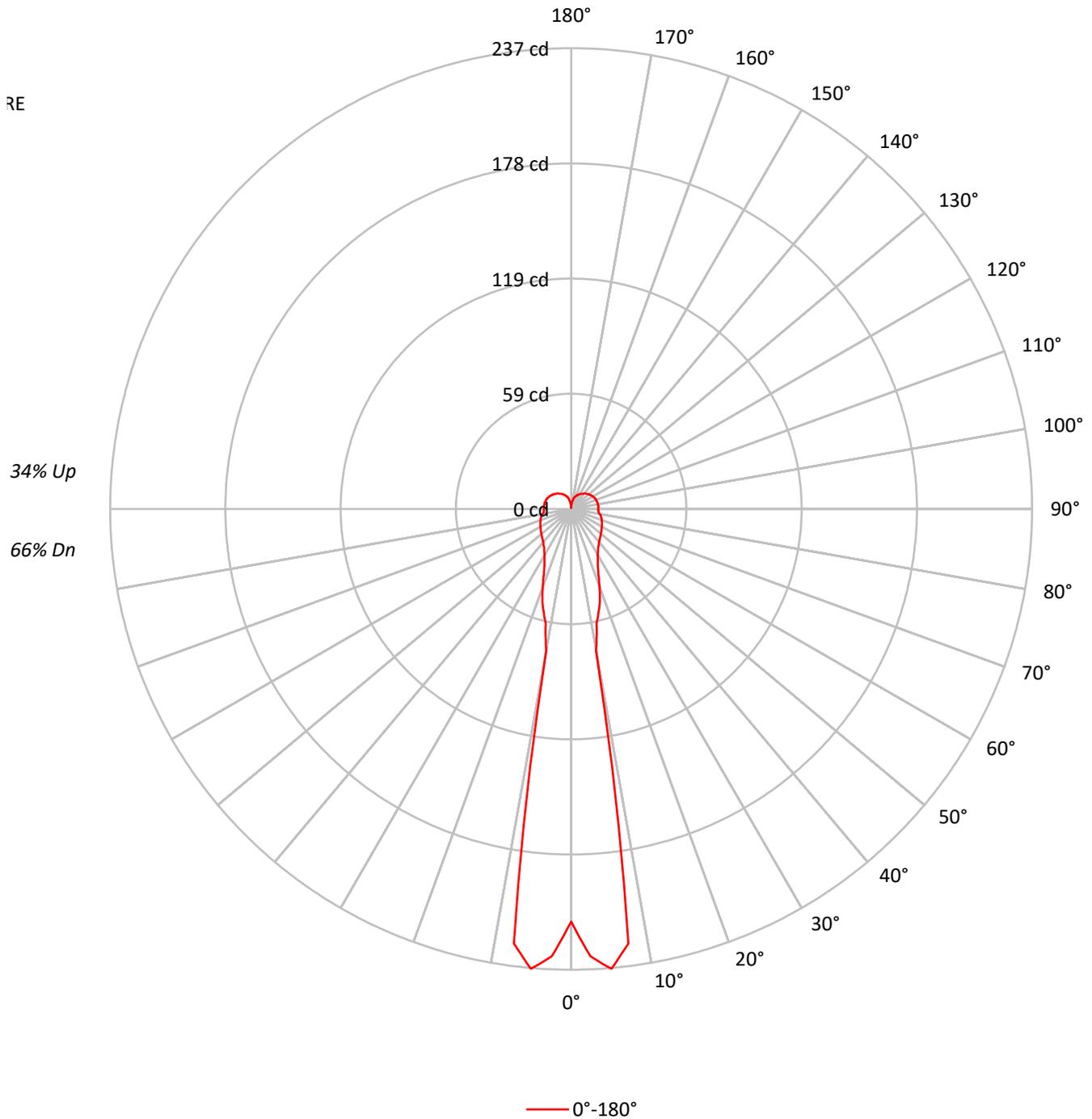
Lumens per Lamp: N/A
Luminaire Lumens: 222.0 lumens
Efficiency: N/A
Efficacy: 35.2 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 6.3
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: P1245488

CATALOG NUMBER: PRLX-UNA-S-940-02L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1245488

CATALOG NUMBER: PRLX-UNA-S-940-02L-U-NL

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20						20								20					
RC	80					70						30								10	0				
RW	70	50	30	10		70	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°	10395
5°	9648
10°	2583
15°	1685
20°	1185
25°	829
30°	645
35°	540
40°	473
45°	428
50°	393
55°	367
60°	346
65°	330
70°	315
75°	302
80°	286
85°	279

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 428 cd/sqm

TEST NUMBER: P1245488

CATALOG NUMBER: PRLX-UNA-S-940-02L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	8.4
10°-20°	15.4	6.9
20°-30°	15.3	6.9
30°-40°	15.3	6.9
40°-50°	16.3	7.3
50°-60°	17.1	7.7
60°-70°	17.3	7.8
70°-80°	16.9	7.6
80°-90°	15.5	7.0
90°-100°	15.3	6.9
100°-110°	14.6	6.6
110°-120°	13.2	5.9
120°-130°	11.1	5.0
130°-140°	8.6	3.9
140°-150°	6.0	2.7
150°-160°	3.7	1.7
160°-170°	1.7	0.8
170°-180°	0.3	0.1
0°-30°	49.3	22.2
0°-40°	64.6	29.1
0°-60°	98.0	44.1
0°-90°	147.6	66.5
90°-120°	43.1	19.4
90°-150°	68.8	31.0
90°-180°	74.0	33.3
0°-180°	222.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	212	
5°	237	19
15°	55	15
25°	32	15
35°	24	15
45°	21	16
55°	19	17
65°	18	17
75°	16	17
85°	14	12
90°	14	8
95°	14	11
105°	14	15
115°	13	13
125°	12	11
135°	11	9
145°	10	6
155°	8	4
165°	6	2
175°	2	0
180°	1	

TEST NUMBER: P1245488

CATALOG NUMBER: PRLX-UNA-S-940-02L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	212.2
2.5°	230.4
5°	237.4
7.5°	225.4
10°	73.9
12.5°	60.4
15°	54.6
17.5°	49.2
20°	42.6
22.5°	36.6
25°	32.5
27.5°	29.6
30°	27.2
32.5°	25.7
35°	24.2
37.5°	23.3
40°	22.3
42.5°	21.6
45°	21.0
47.5°	20.5
50°	19.9
52.5°	19.5
55°	19.0
57.5°	18.6
60°	18.2
62.5°	17.8
65°	17.5
67.5°	17.1
70°	16.7
72.5°	16.5
75°	15.9
77.5°	15.6
80°	14.8
82.5°	14.3
85°	14.1
87.5°	13.9
90°	13.9
92.5°	13.9
95°	14.1
97.5°	14.1
100°	13.9
102.5°	13.9
105°	13.9
107.5°	13.7
110°	13.7

TEST NUMBER: P1245488

CATALOG NUMBER: PRLX-UNA-S-940-02L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	13.5
115°	13.3
117.5°	13.1
120°	12.9
122.5°	12.6
125°	12.4
127.5°	12.0
130°	11.8
132.5°	11.4
135°	11.1
137.5°	10.7
140°	10.3
142.5°	9.9
145°	9.6
147.5°	9.2
150°	8.8
152.5°	8.4
155°	7.9
157.5°	7.5
160°	6.9
162.5°	6.6
165°	6.0
167.5°	5.3
170°	4.3
172.5°	3.4
175°	2.3
177.5°	1.1
180°	0.6



TEST NUMBER: P1245488

CATALOG NUMBER: PRLX-UNA-S-940-02L-U-NL

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	4.5	5.6	5.3	6.4	7.5	4.5	5.6	5.3	6.4	7.5
	3H	7.0	8.0	7.8	8.8	9.8	7.0	8.0	7.8	8.8	9.8
	4H	8.1	9.1	9.0	9.9	11.0	8.1	9.1	9.0	9.9	11.0
	6H	9.3	10.1	10.1	11.0	12.0	9.3	10.1	10.1	11.0	12.0
	8H	9.8	10.6	10.6	11.5	12.5	9.8	10.6	10.6	11.5	12.5
	12H	10.3	11.1	11.1	11.9	13.0	10.3	11.1	11.1	11.9	13.0
4H	2H	5.2	6.1	6.0	6.9	8.0	5.2	6.1	6.0	6.9	8.0
	3H	7.8	8.6	8.7	9.5	10.6	7.8	8.6	8.7	9.5	10.6
	4H	9.1	9.9	10.0	10.8	11.8	9.1	9.9	10.0	10.8	11.8
	6H	10.4	11.1	11.3	12.0	13.1	10.4	11.1	11.3	12.0	13.1
	8H	11.0	11.6	11.9	12.5	13.6	11.0	11.6	11.9	12.5	13.6
	12H	11.6	12.2	12.5	13.1	14.2	11.6	12.2	12.5	13.1	14.2
8H	4H	9.6	10.2	10.4	11.1	12.2	9.6	10.2	10.4	11.1	12.2
	6H	11.0	11.6	11.9	12.5	13.6	11.0	11.6	11.9	12.5	13.6
	8H	11.8	12.2	12.7	13.2	14.3	11.8	12.2	12.7	13.2	14.3
	12H	12.5	13.0	13.4	13.9	15.0	12.5	13.0	13.4	13.9	15.0
12H	4H	9.6	10.2	10.5	11.1	12.2	9.6	10.2	10.5	11.1	12.2
	6H	11.2	11.7	12.1	12.6	13.7	11.2	11.7	12.1	12.6	13.7
	8H	12.0	12.4	12.9	13.3	14.5	12.0	12.4	12.9	13.3	14.5

(END OF REPORT)