

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: P1245458

Luminaire Tested: PRLX-UNA-S-930-02L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245458
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-930-02L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

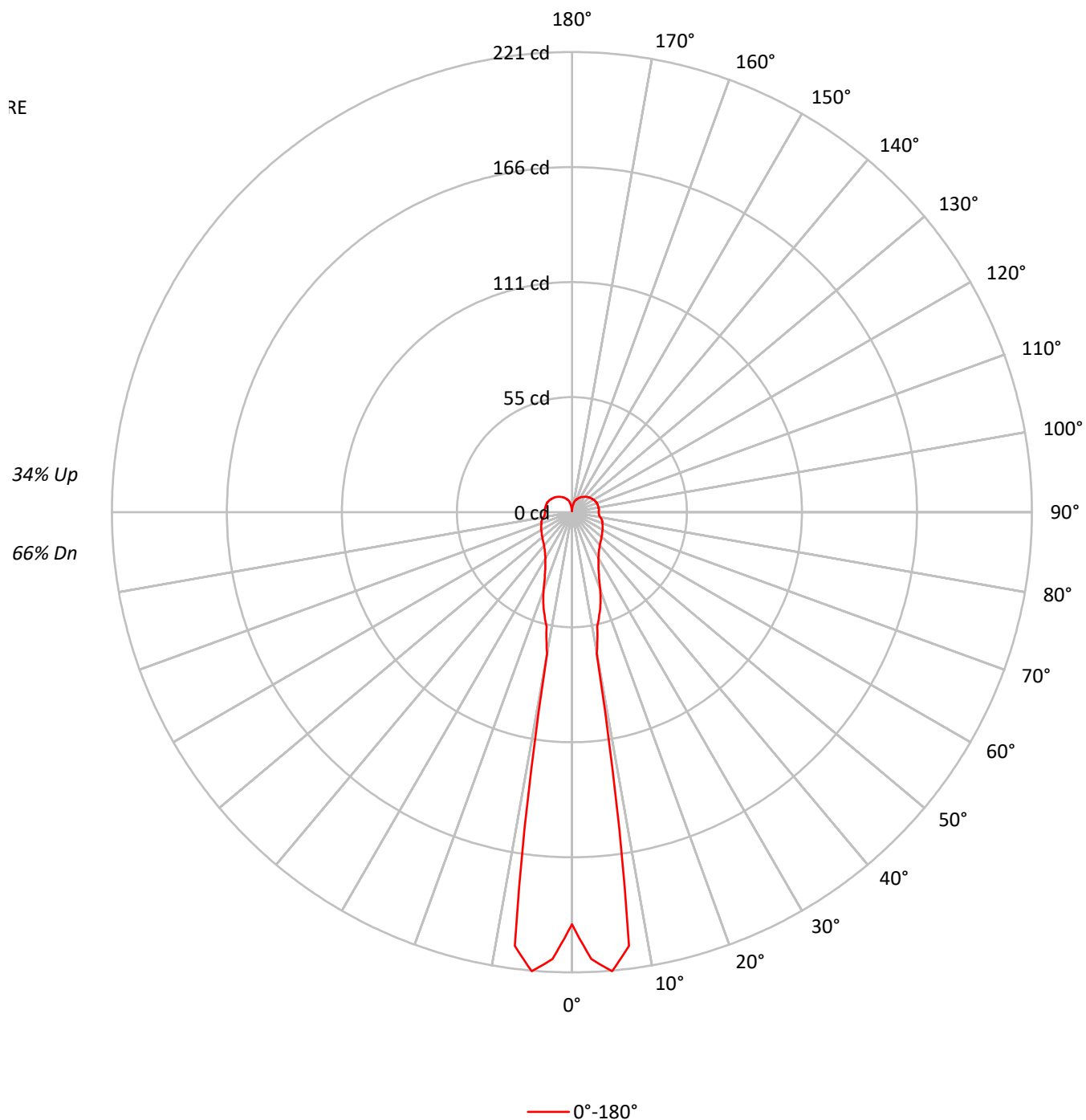
Lumens per Lamp: N/A
Luminaire Lumens: 206.9 lumens
Efficiency: N/A
Efficacy: 32.8 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 6.3
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: P1245458

CATALOG NUMBER: PRLX-UNA-S-930-02L-U-NL

Luminous Intensity Polar Plot



TEST NUMBER: P1245458

CATALOG NUMBER: PRLX-UNA-S-930-02L-U-NL

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	
RCR																						
0	111	111	111	111		105	105	105	105		92	92	92		81	81	81		71	71	71	
1	99	94	89	84		93	88	84	80		78	74	71		68	65	63		59	57	55	
2	90	81	74	68		84	77	70	65		68	63	58		59	55	52		52	49	46	
3	82	72	64	57		77	68	60	55		60	54	49		53	48	44		46	43	40	
4	76	64	56	49		71	61	53	47		54	48	43		48	43	39		42	38	35	
5	70	58	49	43		66	55	47	41		49	43	38		44	38	34		39	34	31	
6	65	53	44	38		61	50	42	37		45	39	34		40	35	31		36	32	28	
7	61	48	40	35		57	46	39	33		42	35	31		37	32	28		33	29	26	
8	57	45	37	31		54	43	35	30		39	33	28		35	30	26		31	27	24	
9	54	42	34	29		51	40	33	28		36	30	26		33	28	24		30	26	23	
10	51	39	32	27		48	37	31	26		34	28	24		31	26	23		28	24	21	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	9695
5°	8994
10°	2408
15°	1571
20°	1105
25°	773
30°	602
35°	504
40°	441
45°	399
50°	365
55°	341
60°	323
65°	307
70°	294
75°	283
80°	266
85°	259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 399 cd/sqm

TEST NUMBER: P1245458

CATALOG NUMBER: PRLX-UNA-S-930-02L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	8.4
10°-20°	14.3	6.9
20°-30°	14.2	6.9
30°-40°	14.3	6.9
40°-50°	15.2	7.3
50°-60°	15.9	7.7
60°-70°	16.1	7.8
70°-80°	15.7	7.6
80°-90°	14.4	6.9
90°-100°	14.2	6.9
100°-110°	13.6	6.6
110°-120°	12.3	6.0
120°-130°	10.3	5.0
130°-140°	8.0	3.9
140°-150°	5.6	2.7
150°-160°	3.4	1.7
160°-170°	1.6	0.8
170°-180°	0.3	0.1
0°-30°	45.9	22.2
0°-40°	60.2	29.1
0°-60°	91.3	44.1
0°-90°	137.5	66.5
90°-120°	40.1	19.4
90°-150°	64.1	31.0
90°-180°	69.0	33.4
0°-180°	206.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	198	
5°	221	17
15°	51	14
25°	30	14
35°	23	14
45°	20	15
55°	18	16
65°	16	16
75°	15	16
85°	13	11
90°	13	7
95°	13	11
105°	13	14
115°	12	12
125°	12	10
135°	10	8
145°	9	6
155°	7	3
165°	6	2
175°	2	0
180°	0	

TEST NUMBER: P1245458

CATALOG NUMBER: PRLX-UNA-S-930-02L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	197.9
2.5°	214.8
5°	221.3
7.5°	210.1
10°	68.9
12.5°	56.3
15°	50.9
17.5°	45.8
20°	39.7
22.5°	34.1
25°	30.3
27.5°	27.6
30°	25.4
32.5°	24.0
35°	22.6
37.5°	21.7
40°	20.8
42.5°	20.1
45°	19.6
47.5°	19.1
50°	18.5
52.5°	18.2
55°	17.7
57.5°	17.3
60°	17.0
62.5°	16.6
65°	16.3
67.5°	15.9
70°	15.6
72.5°	15.4
75°	14.9
77.5°	14.5
80°	13.8
82.5°	13.3
85°	13.1
87.5°	12.9
90°	12.9
92.5°	12.9
95°	13.1
97.5°	13.1
100°	12.9
102.5°	12.9
105°	12.9
107.5°	12.8
110°	12.8

TEST NUMBER: P1245458

CATALOG NUMBER: PRLX-UNA-S-930-02L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.6
115°	12.4
117.5°	12.2
120°	12.1
122.5°	11.7
125°	11.5
127.5°	11.2
130°	11.0
132.5°	10.7
135°	10.3
137.5°	10.0
140°	9.6
142.5°	9.3
145°	8.9
147.5°	8.6
150°	8.2
152.5°	7.9
155°	7.3
157.5°	7.0
160°	6.5
162.5°	6.1
165°	5.6
167.5°	4.9
170°	4.0
172.5°	3.1
175°	2.1
177.5°	1.0
180°	0.5

TEST NUMBER: P1245458

CATALOG NUMBER: PRLX-UNA-S-930-02L-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	4.3	5.4	5.1	6.2	7.2	4.3	5.4	5.1	6.2	7.2
	3H	6.7	7.7	7.5	8.6	9.6	6.7	7.7	7.5	8.6	9.6
	4H	7.9	8.8	8.7	9.7	10.7	7.9	8.8	8.7	9.7	10.7
	6H	9.0	9.9	9.8	10.7	11.8	9.0	9.9	9.8	10.7	11.8
	8H	9.5	10.4	10.4	11.2	12.3	9.5	10.4	10.4	11.2	12.3
	12H	10.0	10.8	10.9	11.7	12.8	10.0	10.8	10.9	11.7	12.8
4H	2H	4.9	5.9	5.7	6.7	7.7	4.9	5.9	5.7	6.7	7.7
	3H	7.6	8.4	8.4	9.3	10.3	7.6	8.4	8.4	9.3	10.3
	4H	8.9	9.7	9.7	10.5	11.6	8.9	9.7	9.7	10.5	11.6
	6H	10.2	10.8	11.0	11.7	12.8	10.2	10.8	11.0	11.7	12.8
	8H	10.8	11.4	11.6	12.3	13.4	10.8	11.4	11.6	12.3	13.4
	12H	11.4	11.9	12.3	12.8	14.0	11.4	11.9	12.3	12.8	14.0
8H	4H	9.3	10.0	10.2	10.8	11.9	9.3	10.0	10.2	10.8	11.9
	6H	10.8	11.3	11.7	12.2	13.4	10.8	11.3	11.7	12.2	13.4
	8H	11.5	12.0	12.4	12.9	14.0	11.5	12.0	12.4	12.9	14.0
	12H	12.3	12.7	13.2	13.6	14.8	12.3	12.7	13.2	13.6	14.8
12H	4H	9.4	10.0	10.3	10.9	12.0	9.4	10.0	10.3	10.9	12.0
	6H	10.9	11.4	11.8	12.3	13.5	10.9	11.4	11.8	12.3	13.5
	8H	11.7	12.2	12.6	13.1	14.2	11.7	12.2	12.6	13.1	14.2

(END OF REPORT)