

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: P1245464

Luminaire Tested: PRLX-UNA-S-930-07L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245464
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-930-07L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

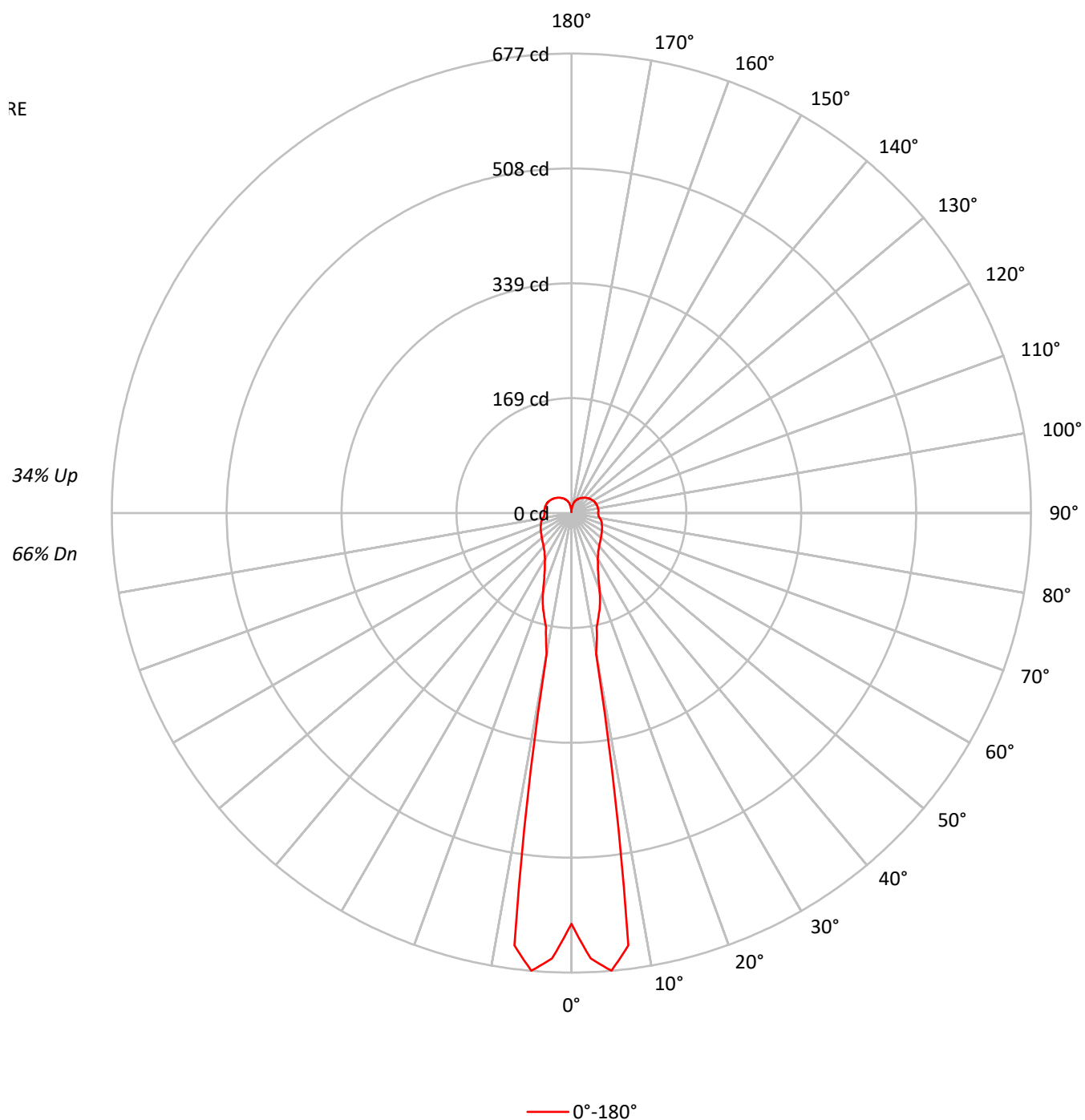
Lumens per Lamp: N/A
Luminaire Lumens: 633.0 lumens
Efficiency: N/A
Efficacy: 39.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 16.2
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: P1245464

CATALOG NUMBER: PRLX-UNA-S-930-07L-U-NL

Luminous Intensity Polar Plot



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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°	29643
5°	27506
10°	7368
15°	4806
20°	3378
25°	2362
30°	1840
35°	1539
40°	1352
45°	1221
50°	1119
55°	1042
60°	986
65°	939
70°	898
75°	865
80°	817
85°	793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1221 cd/sqm

TEST NUMBER: P1245464

CATALOG NUMBER: PRLX-UNA-S-930-07L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	8.4
10°-20°	43.8	6.9
20°-30°	43.5	6.9
30°-40°	43.7	6.9
40°-50°	46.4	7.3
50°-60°	48.6	7.7
60°-70°	49.4	7.8
70°-80°	48.1	7.6
80°-90°	44.0	7.0
90°-100°	43.5	6.9
100°-110°	41.7	6.6
110°-120°	37.7	6.0
120°-130°	31.6	5.0
130°-140°	24.5	3.9
140°-150°	17.2	2.7
150°-160°	10.5	1.7
160°-170°	4.8	0.8
170°-180°	0.8	0.1
0°-30°	140.5	22.2
0°-40°	184.2	29.1
0°-60°	279.2	44.1
0°-90°	420.7	66.5
90°-120°	122.9	19.4
90°-150°	196.2	31.0
90°-180°	212.0	33.5
0°-180°	633.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	605	
5°	677	53
15°	156	44
25°	93	44
35°	69	44
45°	60	46
55°	54	49
65°	50	49
75°	46	48
85°	40	33
90°	40	22
95°	40	33
105°	40	42
115°	38	38
125°	35	32
135°	32	24
145°	27	17
155°	22	11
165°	17	5
175°	6	1
180°	2	

TEST NUMBER: P1245464

CATALOG NUMBER: PRLX-UNA-S-930-07L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	605.1
2.5°	657.0
5°	676.8
7.5°	642.6
10°	210.8
12.5°	172.3
15°	155.7
17.5°	140.2
20°	121.4
22.5°	104.3
25°	92.6
27.5°	84.5
30°	77.6
32.5°	73.3
35°	69.0
37.5°	66.3
40°	63.7
42.5°	61.5
45°	59.9
47.5°	58.3
50°	56.7
52.5°	55.6
55°	54.0
57.5°	53.0
60°	51.9
62.5°	50.8
65°	49.8
67.5°	48.7
70°	47.6
72.5°	47.1
75°	45.5
77.5°	44.4
80°	42.3
82.5°	40.7
85°	40.1
87.5°	39.6
90°	39.6
92.5°	39.6
95°	40.1
97.5°	40.1
100°	39.6
102.5°	39.6
105°	39.6
107.5°	39.1
110°	39.1

TEST NUMBER: P1245464

CATALOG NUMBER: PRLX-UNA-S-930-07L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.5
115°	38.0
117.5°	37.5
120°	36.9
122.5°	35.8
125°	35.3
127.5°	34.2
130°	33.7
132.5°	32.6
135°	31.6
137.5°	30.5
140°	29.4
142.5°	28.4
145°	27.3
147.5°	26.2
150°	25.1
152.5°	24.1
155°	22.5
157.5°	21.4
160°	19.8
162.5°	18.7
165°	17.1
167.5°	15.0
170°	12.3
172.5°	9.6
175°	6.4
177.5°	3.2
180°	1.6

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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	8.2	9.3	9.0	10.1	11.1	8.2	9.3	9.0	10.1	11.1
	3H	10.6	11.6	11.4	12.4	13.5	10.6	11.6	11.4	12.4	13.5
	4H	11.8	12.7	12.6	13.6	14.6	11.8	12.7	12.6	13.6	14.6
	6H	12.9	13.8	13.7	14.6	15.7	12.9	13.8	13.7	14.6	15.7
	8H	13.4	14.2	14.2	15.1	16.2	13.4	14.2	14.2	15.1	16.2
	12H	13.9	14.7	14.8	15.6	16.7	13.9	14.7	14.8	15.6	16.7
4H	2H	8.8	9.7	9.6	10.6	11.6	8.8	9.7	9.6	10.6	11.6
	3H	11.5	12.3	12.3	13.1	14.2	11.5	12.3	12.3	13.1	14.2
	4H	12.8	13.5	13.6	14.4	15.5	12.8	13.5	13.6	14.4	15.5
	6H	14.1	14.7	14.9	15.6	16.7	14.1	14.7	14.9	15.6	16.7
	8H	14.7	15.3	15.5	16.2	17.3	14.7	15.3	15.5	16.2	17.3
	12H	15.3	15.8	16.1	16.7	17.8	15.3	15.8	16.1	16.7	17.8
8H	4H	13.2	13.8	14.1	14.7	15.8	13.2	13.8	14.1	14.7	15.8
	6H	14.7	15.2	15.6	16.1	17.2	14.7	15.2	15.6	16.1	17.2
	8H	15.4	15.9	16.3	16.8	17.9	15.4	15.9	16.3	16.8	17.9
	12H	16.2	16.6	17.1	17.5	18.7	16.2	16.6	17.1	17.5	18.7
12H	4H	13.3	13.9	14.2	14.8	15.9	13.3	13.9	14.2	14.8	15.9
	6H	14.8	15.3	15.7	16.2	17.4	14.8	15.3	15.7	16.2	17.4
	8H	15.6	16.0	16.5	17.0	18.1	15.6	16.0	16.5	17.0	18.1

(END OF REPORT)