

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: P1245293

Luminaire Tested: PRLX-UNA-L-927-09L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-927-09L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

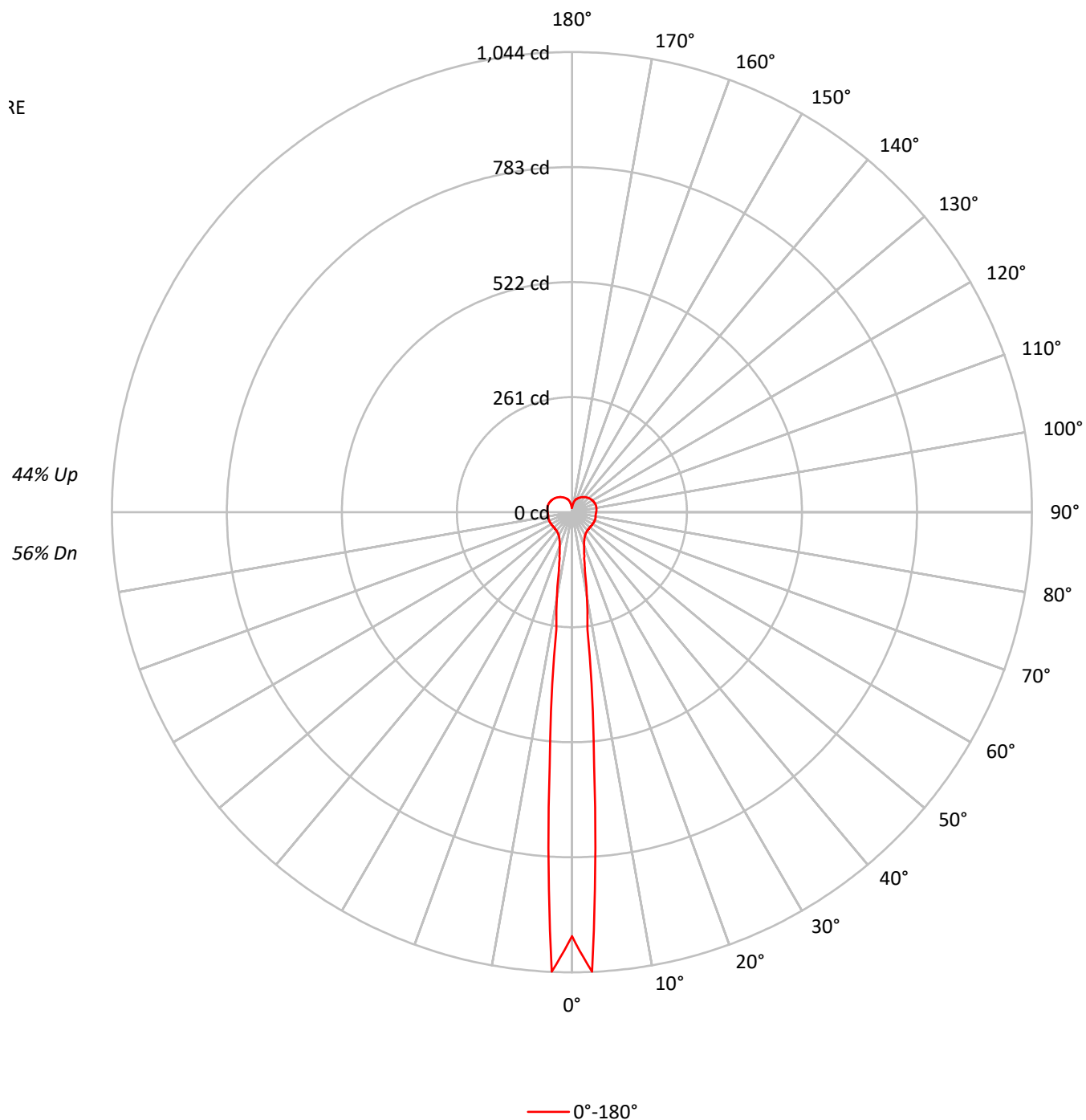
Lumens per Lamp: N/A
Luminaire Lumens: 714.9 lumens
Efficiency: N/A
Efficacy: 31.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 22.6
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: P1245293

CATALOG NUMBER: PRLX-UNA-L-927-09L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1245293

CATALOG NUMBER: PRLX-UNA-L-927-09L-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	0		
RCR																				
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56		
1	96	90	85	80	88	83	79	75	71	68	64	60	57	55	49	47	46	40		
2	86	77	70	63	80	72	65	59	61	56	51	51	47	44	42	39	37	32		
3	79	68	59	52	72	63	55	49	54	48	43	45	40	37	37	34	31	27		
4	72	60	51	44	66	56	48	42	48	41	37	40	35	31	33	30	27	23		
5	66	54	45	38	61	50	42	36	43	37	32	36	31	28	30	27	23	20		
6	61	48	40	34	57	45	37	32	39	33	28	33	28	25	28	24	21	18		
7	57	44	36	30	53	41	34	28	36	30	25	31	26	22	26	22	19	17		
8	53	41	33	27	49	38	31	26	33	27	23	29	24	20	24	21	18	15		
9	50	37	30	25	46	35	28	23	31	25	21	27	22	19	23	19	16	14		
10	47	35	27	22	44	33	26	21	29	23	19	25	21	17	22	18	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30422
5°	14259
10°	4009
15°	1883
20°	1240
25°	922
30°	758
35°	662
40°	598
45°	561
50°	535
55°	520
60°	512
65°	509
70°	507
75°	510
80°	505
85°	512

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 561 cd/sqm

TEST NUMBER: P1245293

CATALOG NUMBER: PRLX-UNA-L-927-09L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	6.0
10°-20°	32.1	4.5
20°-30°	31.3	4.4
30°-40°	35.6	5.0
40°-50°	41.6	5.8
50°-60°	48.3	6.8
60°-70°	54.3	7.6
70°-80°	58.3	8.1
80°-90°	59.5	8.3
90°-100°	61.0	8.5
100°-110°	59.7	8.4
110°-120°	54.6	7.6
120°-130°	46.5	6.5
130°-140°	36.7	5.1
140°-150°	26.3	3.7
150°-160°	16.5	2.3
160°-170°	8.0	1.1
170°-180°	1.7	0.2
0°-30°	106.3	14.9
0°-40°	141.9	19.9
0°-60°	231.9	32.4
0°-90°	403.9	56.5
90°-120°	175.4	24.5
90°-150°	284.8	39.8
90°-180°	311.0	43.5
0°-180°	714.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	962	
5°	578	43
15°	108	32
25°	67	31
35°	57	36
45°	54	42
55°	54	48
65°	55	54
75°	55	58
85°	54	44
90°	55	30
95°	56	46
105°	57	60
115°	55	55
125°	52	47
135°	47	37
145°	42	26
155°	36	17
165°	28	8
175°	15	2
180°	10	

TEST NUMBER: P1245293

CATALOG NUMBER: PRLX-UNA-L-927-09L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	961.6
2.5°	1043.5
5°	578.1
7.5°	268.1
10°	197.1
12.5°	135.6
15°	108.1
17.5°	92.1
20°	80.9
22.5°	72.6
25°	66.9
27.5°	63.0
30°	60.1
32.5°	58.2
35°	56.6
37.5°	55.3
40°	54.4
42.5°	54.1
45°	53.7
47.5°	53.4
50°	53.4
52.5°	53.7
55°	53.7
57.5°	54.1
60°	54.1
62.5°	54.4
65°	54.7
67.5°	55.0
70°	55.0
72.5°	55.3
75°	55.3
77.5°	55.0
80°	54.4
82.5°	54.4
85°	54.4
87.5°	54.7
90°	55.0
92.5°	55.7
95°	56.0
97.5°	56.3
100°	56.6
102.5°	56.6
105°	56.6
107.5°	56.3
110°	56.0

TEST NUMBER: P1245293

CATALOG NUMBER: PRLX-UNA-L-927-09L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	55.7
115°	55.0
117.5°	54.4
120°	53.7
122.5°	52.8
125°	51.8
127.5°	50.9
130°	49.9
132.5°	48.6
135°	47.3
137.5°	46.1
140°	44.5
142.5°	43.2
145°	41.6
147.5°	40.3
150°	38.7
152.5°	37.1
155°	35.5
157.5°	33.9
160°	32.0
162.5°	30.4
165°	28.2
167.5°	25.6
170°	22.4
172.5°	18.9
175°	14.7
177.5°	10.9
180°	9.6

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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	5.2	6.2	6.0	7.1	8.3	5.2	6.2	6.0	7.1	8.3
	3H	8.0	8.9	8.9	9.8	11.0	8.0	8.9	8.9	9.8	11.0
	4H	9.4	10.3	10.3	11.2	12.4	9.4	10.3	10.3	11.2	12.4
	6H	10.7	11.5	11.6	12.5	13.7	10.7	11.5	11.6	12.5	13.7
	8H	11.3	12.1	12.3	13.1	14.3	11.3	12.1	12.3	13.1	14.3
	12H	12.0	12.7	12.9	13.7	14.9	12.0	12.7	12.9	13.7	14.9
4H	2H	5.9	6.8	6.8	7.7	8.9	5.9	6.8	6.8	7.7	8.9
	3H	8.9	9.7	9.8	10.6	11.9	8.9	9.7	9.8	10.6	11.9
	4H	10.4	11.2	11.4	12.1	13.3	10.4	11.2	11.4	12.1	13.3
	6H	11.9	12.6	12.9	13.6	14.8	11.9	12.6	12.9	13.6	14.8
	8H	12.7	13.3	13.6	14.3	15.5	12.7	13.3	13.6	14.3	15.5
	12H	13.4	14.0	14.4	14.9	16.2	13.4	14.0	14.4	14.9	16.2
8H	4H	10.9	11.5	11.9	12.5	13.8	10.9	11.5	11.9	12.5	13.8
	6H	12.6	13.2	13.6	14.2	15.4	12.6	13.2	13.6	14.2	15.4
	8H	13.5	14.0	14.5	15.0	16.2	13.5	14.0	14.5	15.0	16.2
	12H	14.4	14.8	15.4	15.8	17.1	14.4	14.8	15.4	15.8	17.1
12H	4H	11.0	11.6	12.0	12.6	13.8	11.0	11.6	12.0	12.6	13.8
	6H	12.8	13.3	13.8	14.3	15.6	12.8	13.3	13.8	14.3	15.6
	8H	13.8	14.2	14.7	15.2	16.5	13.8	14.2	14.7	15.2	16.5

(END OF REPORT)