

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: P1244783

Luminaire Tested: PRLX-MIN-L-927-02L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-927-02L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

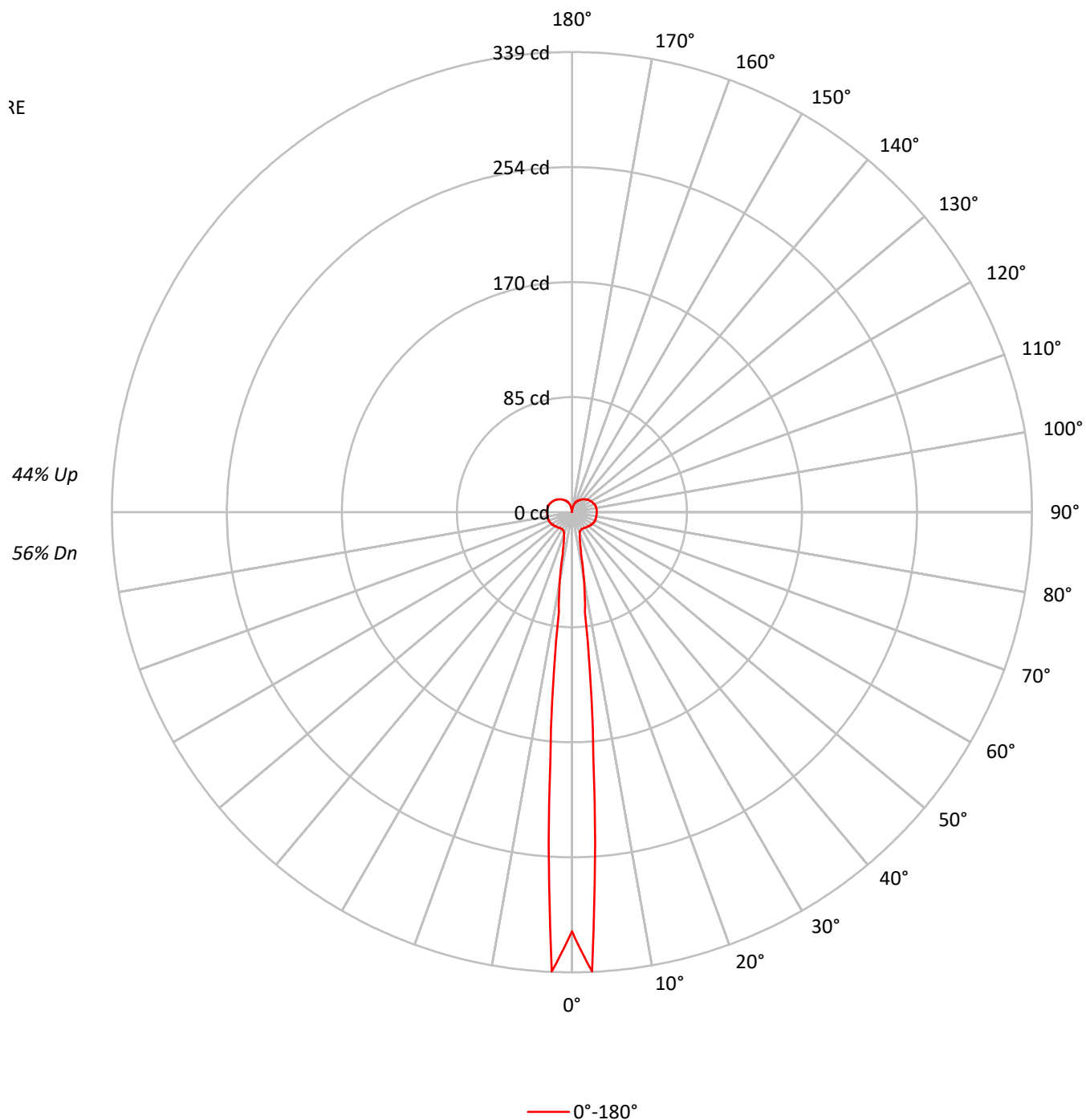
Lumens per Lamp: N/A
Luminaire Lumens: 213.1 lumens
Efficiency: N/A
Efficacy: 38.0 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
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: P1244783

CATALOG NUMBER: PRLX-MIN-L-927-02L-U-NL

Luminous Intensity Polar Plot



TEST NUMBER: P1244783

CATALOG NUMBER: PRLX-MIN-L-927-02L-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	50	30	10
RCR																				
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62			56
1	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44			39
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35			30
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29			25
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25			21
5	65	52	43	36	60	48	40	34	41	35	30	35	30	26	29	25	22			18
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19			16
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18			15
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16			14
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15			13
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14			12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	9766
5°	4479
10°	1043
15°	399
20°	258
25°	205
30°	182
35°	170
40°	165
45°	162
50°	160
55°	162
60°	163
65°	166
70°	167
75°	169
80°	169
85°	172

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 176 cd/sqm

TEST NUMBER: P1244783

CATALOG NUMBER: PRLX-MIN-L-927-02L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	6.1
10°-20°	7.2	3.4
20°-30°	7.0	3.3
30°-40°	9.2	4.3
40°-50°	12.0	5.6
50°-60°	15.0	7.0
60°-70°	17.6	8.3
70°-80°	19.3	9.0
80°-90°	19.9	9.4
90°-100°	20.0	9.4
100°-110°	19.0	8.9
110°-120°	16.8	7.9
120°-130°	13.8	6.5
130°-140°	10.4	4.9
140°-150°	7.0	3.3
150°-160°	4.1	1.9
160°-170°	1.7	0.8
170°-180°	0.2	0.1
0°-30°	27.2	12.8
0°-40°	36.3	17.1
0°-60°	63.3	29.7
0°-90°	120.1	56.4
90°-120°	55.7	26.1
90°-150°	86.9	40.8
90°-180°	93.0	43.7
0°-180°	213.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	309	
5°	182	13
15°	23	7
25°	15	7
35°	14	9
45°	16	12
55°	17	15
65°	18	18
75°	18	19
85°	18	15
90°	18	10
95°	18	15
105°	18	19
115°	17	17
125°	15	14
135°	14	10
145°	11	7
155°	9	4
165°	6	2
175°	1	0
180°	0	

TEST NUMBER: P1244783

CATALOG NUMBER: PRLX-MIN-L-927-02L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	308.7
2.5°	338.7
5°	181.6
7.5°	73.9
10°	51.3
12.5°	31.4
15°	22.9
17.5°	19.0
20°	16.8
22.5°	15.6
25°	14.9
27.5°	14.5
30°	14.4
32.5°	14.4
35°	14.5
37.5°	14.7
40°	15.0
42.5°	15.2
45°	15.5
47.5°	15.8
50°	16.0
52.5°	16.4
55°	16.7
57.5°	17.0
60°	17.2
62.5°	17.5
65°	17.8
67.5°	18.0
70°	18.1
72.5°	18.2
75°	18.3
77.5°	18.2
80°	18.2
82.5°	18.2
85°	18.3
87.5°	18.3
90°	18.3
92.5°	18.3
95°	18.3
97.5°	18.3
100°	18.2
102.5°	18.1
105°	18.0
107.5°	17.8
110°	17.5

TEST NUMBER: P1244783

CATALOG NUMBER: PRLX-MIN-L-927-02L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	17.2
115°	16.9
117.5°	16.6
120°	16.1
122.5°	15.8
125°	15.4
127.5°	15.0
130°	14.4
132.5°	14.0
135°	13.5
137.5°	12.8
140°	12.3
142.5°	11.8
145°	11.1
147.5°	10.6
150°	10.1
152.5°	9.4
155°	8.9
157.5°	8.2
160°	7.6
162.5°	6.8
165°	6.0
167.5°	4.8
170°	3.3
172.5°	2.0
175°	0.9
177.5°	0.2
180°	0.1

TEST NUMBER: P1244783

CATALOG NUMBER: PRLX-MIN-L-927-02L-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	1.3	2.3	2.2	3.2	4.4	1.3	2.3	2.2	3.2	4.4
	3H	4.3	5.3	5.2	6.2	7.4	4.3	5.3	5.2	6.2	7.4
	4H	5.7	6.6	6.6	7.6	8.8	5.7	6.6	6.6	7.6	8.8
	6H	7.1	8.0	8.0	8.9	10.1	7.1	8.0	8.0	8.9	10.1
	8H	7.8	8.6	8.7	9.6	10.8	7.8	8.6	8.7	9.6	10.8
	12H	8.5	9.2	9.4	10.2	11.4	8.5	9.2	9.4	10.2	11.4
4H	2H	2.1	3.0	3.0	3.9	5.1	2.1	3.0	3.0	3.9	5.1
	3H	5.3	6.0	6.2	7.0	8.2	5.3	6.0	6.2	7.0	8.2
	4H	6.8	7.6	7.8	8.5	9.8	6.8	7.6	7.8	8.5	9.8
	6H	8.4	9.1	9.3	10.0	11.3	8.4	9.1	9.3	10.0	11.3
	8H	9.2	9.8	10.1	10.7	12.0	9.2	9.8	10.1	10.7	12.0
	12H	9.9	10.5	10.9	11.5	12.7	9.9	10.5	10.9	11.5	12.7
8H	4H	7.3	8.0	8.3	8.9	10.2	7.3	8.0	8.3	8.9	10.2
	6H	9.1	9.6	10.1	10.6	11.9	9.1	9.6	10.1	10.6	11.9
	8H	10.0	10.5	11.0	11.5	12.8	10.0	10.5	11.0	11.5	12.8
	12H	10.9	11.4	11.9	12.4	13.7	10.9	11.4	11.9	12.4	13.7
12H	4H	7.4	8.0	8.4	9.0	10.3	7.4	8.0	8.4	9.0	10.3
	6H	9.3	9.8	10.3	10.8	12.0	9.3	9.8	10.3	10.8	12.0
	8H	10.3	10.7	11.2	11.7	13.0	10.3	10.7	11.2	11.7	13.0

(END OF REPORT)