

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: P1244903

Luminaire Tested: PRLX-MIN-M-930-06L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-M-930-06L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

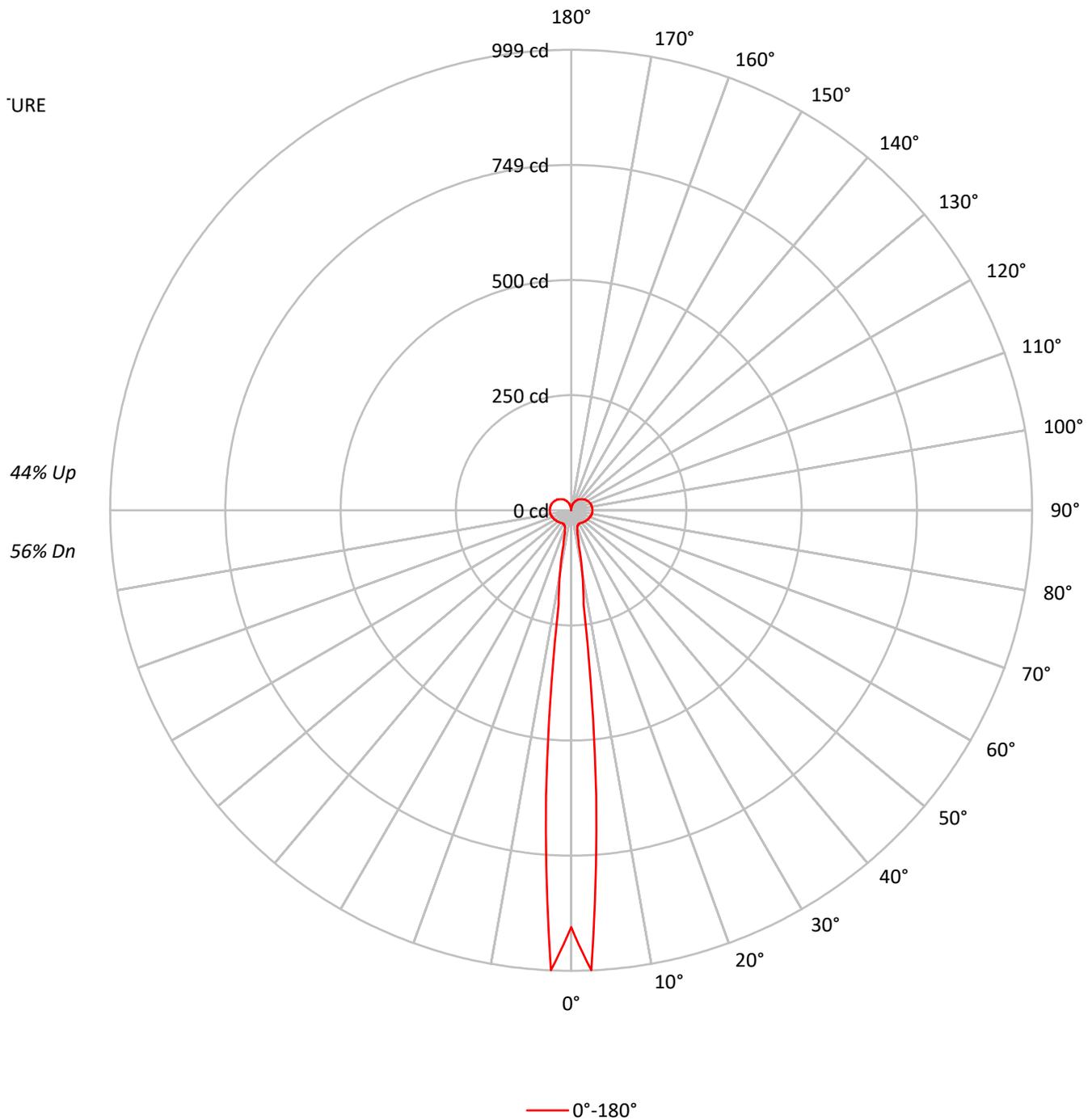
Lumens per Lamp: N/A
Luminaire Lumens: 531.9 lumens
Efficiency: N/A
Efficacy: 25.0 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 21.3
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: P1244903

CATALOG NUMBER: PRLX-MIN-M-930-06L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1244903

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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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	95	89	84	79	88	82	78	73	70	66	63		59	56	53		48	46	44	39
2	86	76	69	62	79	71	64	58	60	55	50		50	46	42		41	38	35	31
3	78	67	58	51	71	62	54	48	52	46	41		44	39	35		36	32	29	25
4	71	59	50	43	65	55	47	41	47	40	35		39	34	30		32	28	25	22
5	66	53	44	37	60	49	41	35	42	36	31		36	31	27		29	26	22	19
6	61	48	39	33	56	45	37	31	38	32	27		33	28	24		27	23	20	17
7	57	44	35	29	52	41	33	28	35	29	25		30	25	22		25	21	19	16
8	53	40	32	27	49	38	30	25	33	27	22		28	23	20		24	20	17	15
9	50	37	29	24	46	35	28	23	31	25	21		26	22	18		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	20	17		21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46333
5°	23422
10°	4196
15°	1336
20°	837
25°	678
30°	589
35°	541
40°	525
45°	513
50°	506
55°	505
60°	506
65°	511
70°	521
75°	533
80°	542
85°	554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 564 cd/sqm

TEST NUMBER: P1244903

CATALOG NUMBER: PRLX-MIN-M-930-06L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	7.5
10°-20°	17.4	3.3
20°-30°	16.4	3.1
30°-40°	21.6	4.1
40°-50°	28.5	5.3
50°-60°	35.3	6.6
60°-70°	41.7	7.8
70°-80°	47.2	8.9
80°-90°	50.1	9.4
90°-100°	50.1	9.4
100°-110°	47.5	8.9
110°-120°	42.3	8.0
120°-130°	34.9	6.6
130°-140°	26.4	5.0
140°-150°	18.1	3.4
150°-160°	10.2	1.9
160°-170°	4.0	0.8
170°-180°	0.4	0.1
0°-30°	73.6	13.8
0°-40°	95.2	17.9
0°-60°	159.0	29.9
0°-90°	298.1	56.0
90°-120°	139.9	26.3
90°-150°	219.3	41.2
90°-180°	234.0	44.0
0°-180°	531.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	904	
5°	622	40
15°	53	17
25°	35	16
35°	34	22
45°	37	28
55°	39	35
65°	42	42
75°	45	47
85°	46	38
90°	46	25
95°	46	38
105°	45	47
115°	43	42
125°	39	35
135°	34	26
145°	29	18
155°	22	10
165°	14	4
175°	1	0
180°	0	

TEST NUMBER: P1244903

CATALOG NUMBER: PRLX-MIN-M-930-06L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	904.1
2.5°	998.8
5°	621.9
7.5°	206.2
10°	140.1
12.5°	76.7
15°	53.4
17.5°	44.0
20°	38.7
22.5°	36.7
25°	35.4
27.5°	34.0
30°	34.0
32.5°	34.0
35°	34.0
37.5°	34.7
40°	35.4
42.5°	36.0
45°	36.7
47.5°	37.4
50°	38.0
52.5°	38.7
55°	39.4
57.5°	40.0
60°	40.7
62.5°	41.4
65°	42.0
67.5°	42.7
70°	43.4
72.5°	44.0
75°	44.7
77.5°	45.4
80°	45.4
82.5°	46.0
85°	46.0
87.5°	46.0
90°	46.0
92.5°	46.0
95°	46.0
97.5°	46.0
100°	45.4
102.5°	45.4
105°	44.7
107.5°	44.7
110°	44.0

TEST NUMBER: P1244903

CATALOG NUMBER: PRLX-MIN-M-930-06L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	43.4
115°	42.7
117.5°	42.0
120°	40.7
122.5°	40.0
125°	38.7
127.5°	38.0
130°	36.7
132.5°	35.4
135°	34.0
137.5°	32.7
140°	31.4
142.5°	30.0
145°	28.7
147.5°	27.4
150°	25.4
152.5°	23.4
155°	22.0
157.5°	20.0
160°	18.0
162.5°	16.7
165°	14.0
167.5°	11.3
170°	8.0
172.5°	4.7
175°	1.3
177.5°	0.0
180°	0.0



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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	5.0	6.0	5.9	6.9	8.1	5.0	6.0	5.9	6.9	8.1
	3H	8.0	9.0	8.9	9.9	11.1	8.0	9.0	8.9	9.9	11.1
	4H	9.5	10.4	10.4	11.4	12.6	9.5	10.4	10.4	11.4	12.6
	6H	11.0	11.9	11.9	12.8	14.0	11.0	11.9	11.9	12.8	14.0
	8H	11.7	12.5	12.6	13.5	14.7	11.7	12.5	12.6	13.5	14.7
	12H	12.4	13.2	13.3	14.1	15.4	12.4	13.2	13.3	14.1	15.4
4H	2H	5.8	6.7	6.7	7.6	8.8	5.8	6.7	6.7	7.6	8.8
	3H	9.0	9.8	9.9	10.7	12.0	9.0	9.8	9.9	10.7	12.0
	4H	10.6	11.4	11.6	12.3	13.6	10.6	11.4	11.6	12.3	13.6
	6H	12.3	12.9	13.2	13.9	15.2	12.3	12.9	13.2	13.9	15.2
	8H	13.1	13.7	14.0	14.7	15.9	13.1	13.7	14.0	14.7	15.9
	12H	13.9	14.5	14.8	15.4	16.7	13.9	14.5	14.8	15.4	16.7
8H	4H	11.2	11.8	12.1	12.8	14.0	11.2	11.8	12.1	12.8	14.0
	6H	13.0	13.6	14.0	14.6	15.8	13.0	13.6	14.0	14.6	15.8
	8H	14.0	14.5	14.9	15.5	16.7	14.0	14.5	14.9	15.5	16.7
	12H	14.9	15.4	15.9	16.4	17.7	14.9	15.4	15.9	16.4	17.7
12H	4H	11.3	11.9	12.3	12.8	14.1	11.3	11.9	12.3	12.8	14.1
	6H	13.2	13.7	14.2	14.7	16.0	13.2	13.7	14.2	14.7	16.0
	8H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0

(END OF REPORT)