

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: P1245164

Luminaire Tested: PRLX-NIM-M-930-07L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-M-930-07L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

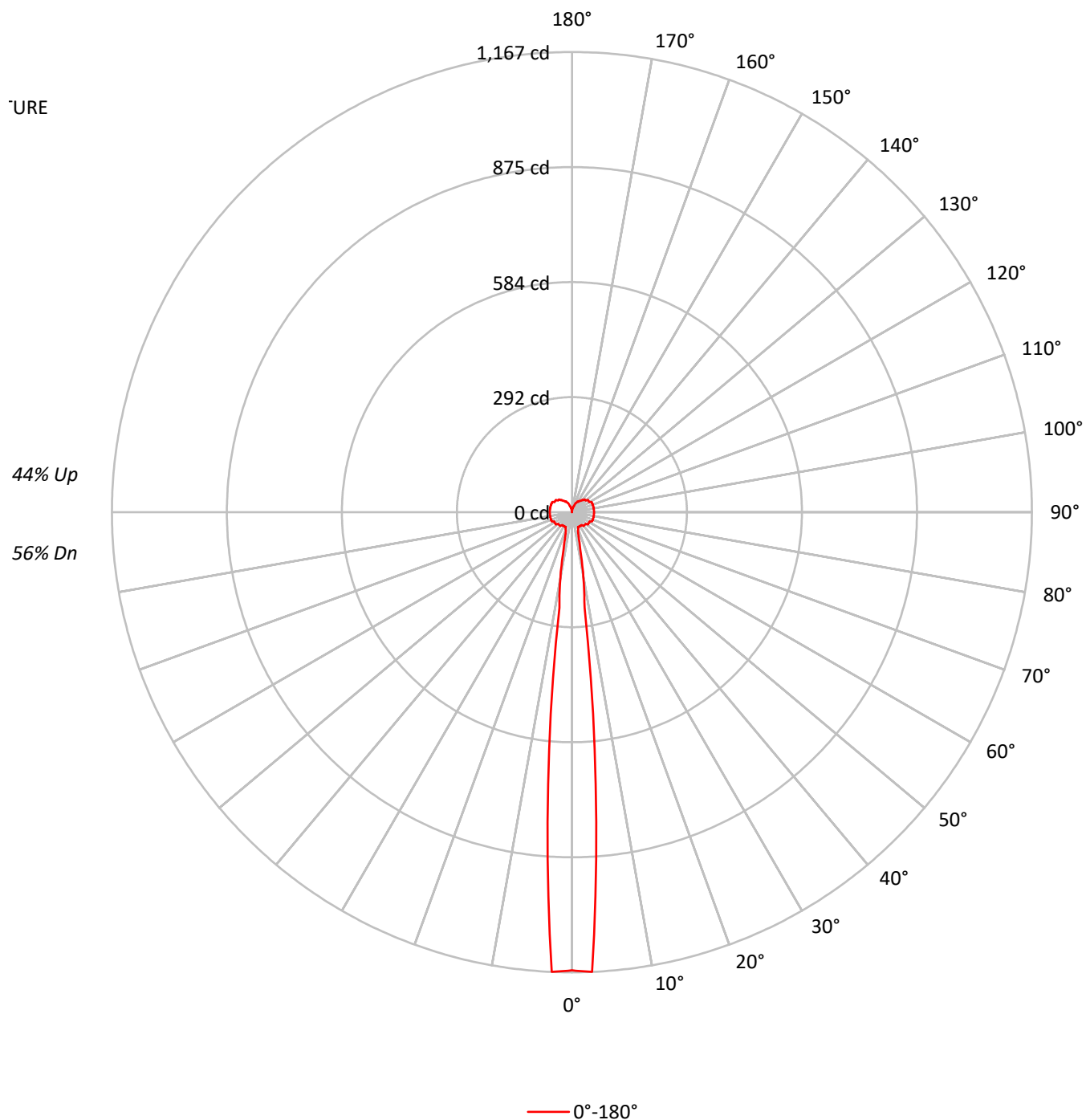
Lumens per Lamp: N/A
Luminaire Lumens: 661.5 lumens
Efficiency: N/A
Efficacy: 22.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 28.9
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: P1245164

CATALOG NUMBER: PRLX-NIM-M-930-07L-U-NL

Luminous Intensity Polar Plot



TEST NUMBER: P1245164

CATALOG NUMBER: PRLX-NIM-M-930-07L-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	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	
1	95	89	83	78		88	82	77	73		70	66	63		58	55	53		48	46	44	
2	85	76	68	62		78	70	63	58		60	54	50		50	46	42		40	37	35	
3	77	66	58	51		71	61	54	47		52	46	41		43	39	35		35	32	29	
4	71	59	50	43		65	54	46	40		46	40	35		39	34	30		32	28	25	
5	65	52	43	37		60	49	41	35		42	35	30		35	30	26		29	25	22	
6	60	47	39	32		56	44	36	30		38	31	27		32	27	23		27	23	20	
7	56	43	35	29		52	40	33	27		35	29	24		30	25	21		25	21	18	
8	53	40	32	26		49	37	30	25		32	26	22		28	23	19		23	19	16	
9	49	37	29	24		46	34	27	22		30	24	20		26	21	18		22	18	15	
10	47	34	27	22		43	32	25	21		28	22	19		24	20	17		21	17	15	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59539
5°	26100
10°	5038
15°	1656
20°	992
25°	782
30°	707
35°	650
40°	681
45°	642
50°	612
55°	653
60°	634
65°	682
70°	673
75°	669
80°	670
85°	676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 687 cd/sqm

TEST NUMBER: P1245164

CATALOG NUMBER: PRLX-NIM-M-930-07L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	7.0
10°-20°	21.2	3.2
20°-30°	19.1	2.9
30°-40°	26.1	3.9
40°-50°	35.5	5.4
50°-60°	45.2	6.8
60°-70°	53.8	8.1
70°-80°	59.3	9.0
80°-90°	61.2	9.3
90°-100°	61.2	9.3
100°-110°	59.3	9.0
110°-120°	55.1	8.3
120°-130°	45.2	6.8
130°-140°	34.1	5.2
140°-150°	21.8	3.3
150°-160°	12.5	1.9
160°-170°	4.1	0.6
170°-180°	0.4	0.1
0°-30°	86.5	13.1
0°-40°	112.6	17.0
0°-60°	193.4	29.2
0°-90°	367.7	55.6
90°-120°	175.6	26.5
90°-150°	276.7	41.8
90°-180°	294.0	44.4
0°-180°	661.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1162	
5°	693	46
15°	66	21
25°	41	19
35°	41	26
45°	46	36
55°	51	45
65°	56	54
75°	56	59
85°	56	46
90°	56	31
95°	56	46
105°	56	59
115°	56	55
125°	51	45
135°	46	34
145°	36	22
155°	26	13
165°	15	4
175°	0	0
180°	0	

TEST NUMBER: P1245164

CATALOG NUMBER: PRLX-NIM-M-930-07L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	1161.8
2.5°	1166.9
5°	693.0
7.5°	244.6
10°	168.2
12.5°	96.8
15°	66.2
17.5°	51.0
20°	45.9
22.5°	40.8
25°	40.8
27.5°	40.8
30°	40.8
32.5°	40.8
35°	40.8
37.5°	40.8
40°	45.9
42.5°	45.9
45°	45.9
47.5°	45.9
50°	45.9
52.5°	51.0
55°	51.0
57.5°	51.0
60°	51.0
62.5°	51.0
65°	56.1
67.5°	56.1
70°	56.1
72.5°	56.1
75°	56.1
77.5°	56.1
80°	56.1
82.5°	56.1
85°	56.1
87.5°	56.1
90°	56.1
92.5°	56.1
95°	56.1
97.5°	56.1
100°	56.1
102.5°	56.1
105°	56.1
107.5°	56.1
110°	56.1

TEST NUMBER: P1245164

CATALOG NUMBER: PRLX-NIM-M-930-07L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	56.1
115°	56.1
117.5°	56.1
120°	51.0
122.5°	51.0
125°	51.0
127.5°	51.0
130°	45.9
132.5°	45.9
135°	45.9
137.5°	40.8
140°	40.8
142.5°	35.7
145°	35.7
147.5°	30.6
150°	30.6
152.5°	30.6
155°	25.5
157.5°	25.5
160°	20.4
162.5°	15.3
165°	15.3
167.5°	10.2
170°	10.2
172.5°	5.1
175°	0.0
177.5°	0.0
180°	0.0

TEST NUMBER: P1245164

CATALOG NUMBER: PRLX-NIM-M-930-07L-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	5.9	6.9	6.8	7.9	9.0	5.9	6.9	6.8	7.9	9.0
	3H	9.0	10.0	9.9	10.9	12.1	9.0	10.0	9.9	10.9	12.1
	4H	10.5	11.4	11.4	12.3	13.5	10.5	11.4	11.4	12.3	13.5
	6H	11.9	12.7	12.8	13.7	14.9	11.9	12.7	12.8	13.7	14.9
	8H	12.5	13.3	13.5	14.3	15.5	12.5	13.3	13.5	14.3	15.5
	12H	13.2	14.0	14.1	14.9	16.2	13.2	14.0	14.1	14.9	16.2
4H	2H	6.8	7.7	7.7	8.6	9.8	6.8	7.7	7.7	8.6	9.8
	3H	10.0	10.8	10.9	11.8	13.0	10.0	10.8	10.9	11.8	13.0
	4H	11.6	12.3	12.5	13.3	14.5	11.6	12.3	12.5	13.3	14.5
	6H	13.1	13.8	14.1	14.8	16.0	13.1	13.8	14.1	14.8	16.0
	8H	13.9	14.5	14.8	15.5	16.8	13.9	14.5	14.8	15.5	16.8
	12H	14.6	15.2	15.6	16.2	17.5	14.6	15.2	15.6	16.2	17.5
8H	4H	12.1	12.7	13.0	13.7	14.9	12.1	12.7	13.0	13.7	14.9
	6H	13.8	14.4	14.8	15.4	16.6	13.8	14.4	14.8	15.4	16.6
	8H	14.7	15.2	15.7	16.2	17.5	14.7	15.2	15.7	16.2	17.5
	12H	15.7	16.1	16.7	17.1	18.4	15.7	16.1	16.7	17.1	18.4
12H	4H	12.2	12.8	13.2	13.8	15.0	12.2	12.8	13.2	13.8	15.0
	6H	14.0	14.5	15.0	15.5	16.8	14.0	14.5	15.0	15.5	16.8
	8H	15.0	15.4	16.0	16.4	17.8	15.0	15.4	16.0	16.4	17.8

(END OF REPORT)