

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: P1245143

Luminaire Tested: PRLX-NIM-M-927-07L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245143
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-927-07L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, LAYERED FINE SHADE TEXTU
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

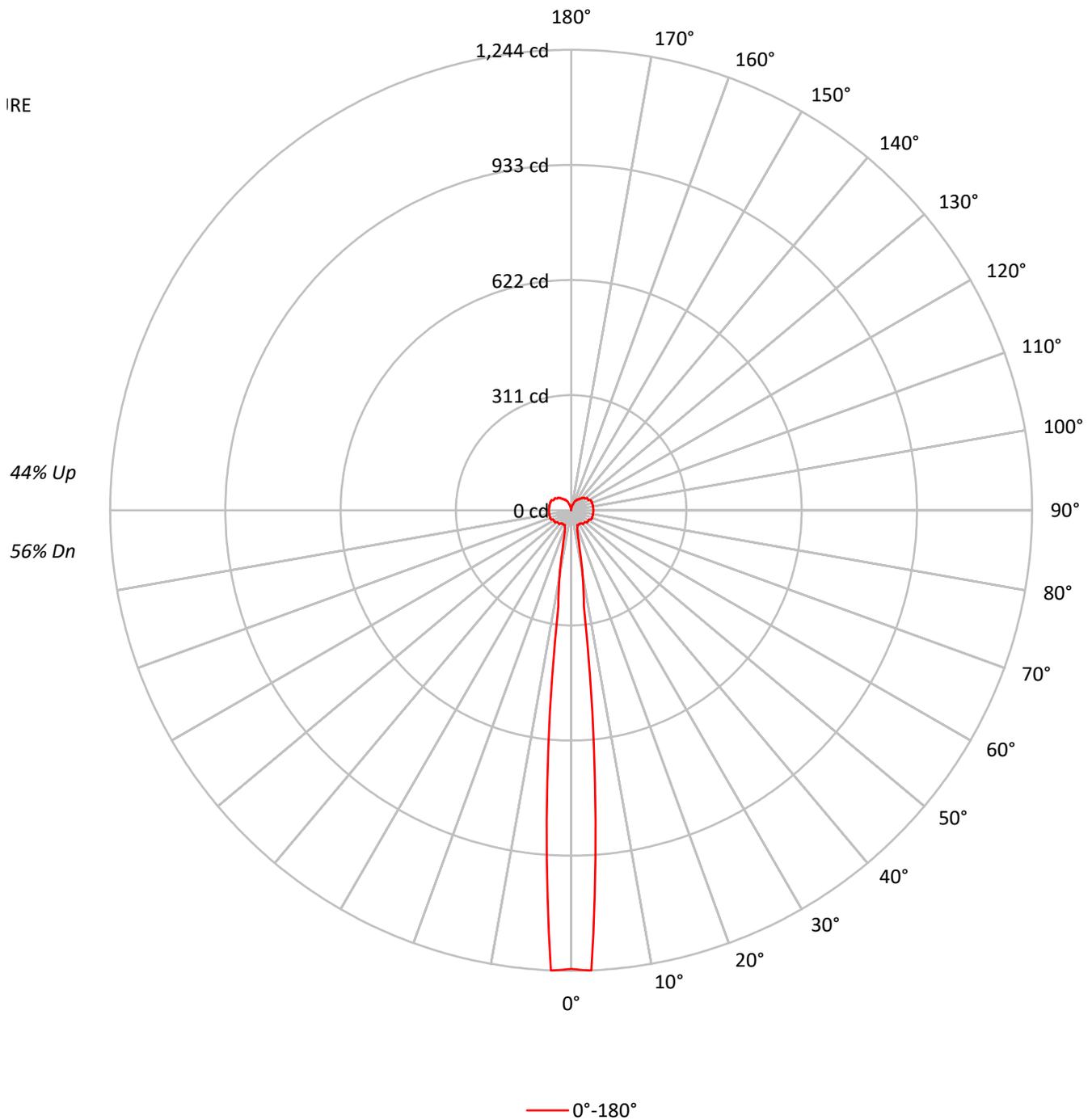
Lumens per Lamp: N/A
Luminaire Lumens: 705.0 lumens
Efficiency: N/A
Efficacy: 24.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (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: P1245143

CATALOG NUMBER: PRLX-NIM-M-927-07L-U-LF

Luminous Intensity Polar Plot





TEST NUMBER: P1245143

CATALOG NUMBER: PRLX-NIM-M-927-07L-U-LF

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	108	108	108	108	101	101	101	101	86	86	86		73	73	73		61	61	61	56
1	95	89	83	78	88	82	77	73	70	66	63		58	55	53		48	46	44	38
2	85	76	68	62	78	70	63	58	60	54	50		50	46	42		40	37	35	30
3	77	66	58	51	71	61	54	47	52	46	41		43	39	35		35	32	29	25
4	71	59	50	43	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	37	60	49	41	35	42	35	30		35	30	26		29	25	22	18
6	60	47	39	32	56	44	36	30	38	32	27		32	27	23		27	23	20	17
7	56	43	35	29	52	40	33	27	35	29	24		30	25	21		25	21	18	15
8	53	40	32	26	49	37	30	25	32	26	22		28	23	19		23	19	17	14
9	49	37	29	24	46	34	27	22	30	24	20		26	21	18		22	18	15	13
10	47	34	27	22	43	32	25	21	28	22	19		24	20	17		21	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	63500
5°	27836
10°	5370
15°	1769
20°	1057
25°	834
30°	754
35°	693
40°	725
45°	684
50°	651
55°	696
60°	675
65°	727
70°	717
75°	713
80°	714
85°	720

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 733 cd/sqm



TEST NUMBER: P1245143

CATALOG NUMBER: PRLX-NIM-M-927-07L-U-LF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	7.0
10°-20°	22.6	3.2
20°-30°	20.4	2.9
30°-40°	27.8	3.9
40°-50°	37.9	5.4
50°-60°	48.1	6.8
60°-70°	57.4	8.1
70°-80°	63.3	9.0
80°-90°	65.2	9.3
90°-100°	65.2	9.3
100°-110°	63.3	9.0
110°-120°	58.7	8.3
120°-130°	48.1	6.8
130°-140°	36.4	5.2
140°-150°	23.2	3.3
150°-160°	13.4	1.9
160°-170°	4.4	0.6
170°-180°	0.4	0.1
0°-30°	92.3	13.1
0°-40°	120.1	17.0
0°-60°	206.1	29.2
0°-90°	391.9	55.6
90°-120°	187.2	26.6
90°-150°	294.9	41.8
90°-180°	313.0	44.4
0°-180°	705.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1239	
5°	739	49
15°	71	23
25°	44	20
35°	44	28
45°	49	38
55°	54	48
65°	60	57
75°	60	63
85°	60	49
90°	60	33
95°	60	49
105°	60	63
115°	60	59
125°	54	48
135°	49	36
145°	38	23
155°	27	13
165°	16	4
175°	0	0
180°	0	

TEST NUMBER: P1245143

CATALOG NUMBER: PRLX-NIM-M-927-07L-U-LF

CANDELA DISTRIBUTION (FULL):

0°	
0°	1239.1
2.5°	1244.5
5°	739.1
7.5°	260.9
10°	179.3
12.5°	103.3
15°	70.7
17.5°	54.3
20°	48.9
22.5°	43.5
25°	43.5
27.5°	43.5
30°	43.5
32.5°	43.5
35°	43.5
37.5°	43.5
40°	48.9
42.5°	48.9
45°	48.9
47.5°	48.9
50°	48.9
52.5°	54.3
55°	54.3
57.5°	54.3
60°	54.3
62.5°	54.3
65°	59.8
67.5°	59.8
70°	59.8
72.5°	59.8
75°	59.8
77.5°	59.8
80°	59.8
82.5°	59.8
85°	59.8
87.5°	59.8
90°	59.8
92.5°	59.8
95°	59.8
97.5°	59.8
100°	59.8
102.5°	59.8
105°	59.8
107.5°	59.8
110°	59.8

TEST NUMBER: P1245143

CATALOG NUMBER: PRLX-NIM-M-927-07L-U-LF

CANDELA DISTRIBUTION (continued):

	0°
112.5°	59.8
115°	59.8
117.5°	59.8
120°	54.3
122.5°	54.3
125°	54.3
127.5°	54.3
130°	48.9
132.5°	48.9
135°	48.9
137.5°	43.5
140°	43.5
142.5°	38.0
145°	38.0
147.5°	32.6
150°	32.6
152.5°	32.6
155°	27.2
157.5°	27.2
160°	21.7
162.5°	16.3
165°	16.3
167.5°	10.9
170°	10.9
172.5°	5.4
175°	0.0
177.5°	0.0
180°	0.0

TEST NUMBER: P1245143

CATALOG NUMBER: PRLX-NIM-M-927-07L-U-LF

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	6.1	7.1	7.0	8.1	9.2	6.1	7.1	7.0	8.1	9.2
	3H	9.3	10.2	10.2	11.1	12.3	9.3	10.2	10.2	11.1	12.3
	4H	10.7	11.6	11.6	12.5	13.7	10.7	11.6	11.6	12.5	13.7
	6H	12.1	12.9	13.0	13.9	15.1	12.1	12.9	13.0	13.9	15.1
	8H	12.8	13.6	13.7	14.5	15.8	12.8	13.6	13.7	14.5	15.8
	12H	13.4	14.2	14.3	15.1	16.4	13.4	14.2	14.3	15.1	16.4
4H	2H	7.0	7.9	7.9	8.8	10.0	7.0	7.9	7.9	8.8	10.0
	3H	10.2	11.0	11.2	12.0	13.2	10.2	11.0	11.2	12.0	13.2
	4H	11.8	12.5	12.7	13.5	14.7	11.8	12.5	12.7	13.5	14.7
	6H	13.4	14.0	14.3	15.0	16.2	13.4	14.0	14.3	15.0	16.2
	8H	14.1	14.7	15.1	15.7	17.0	14.1	14.7	15.1	15.7	17.0
	12H	14.9	15.4	15.8	16.4	17.7	14.9	15.4	15.8	16.4	17.7
8H	4H	12.3	12.9	13.3	13.9	15.2	12.3	12.9	13.3	13.9	15.2
	6H	14.1	14.6	15.0	15.6	16.9	14.1	14.6	15.0	15.6	16.9
	8H	15.0	15.5	15.9	16.5	17.7	15.0	15.5	15.9	16.5	17.7
	12H	15.9	16.3	16.9	17.3	18.6	15.9	16.3	16.9	17.3	18.6
12H	4H	12.4	13.0	13.4	14.0	15.2	12.4	13.0	13.4	14.0	15.2
	6H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0
	8H	15.2	15.7	16.2	16.7	18.0	15.2	15.7	16.2	16.7	18.0

(END OF REPORT)