

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: P1245391

Luminaire Tested: PRLX-UNA-M-927-04L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-M-927-04L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

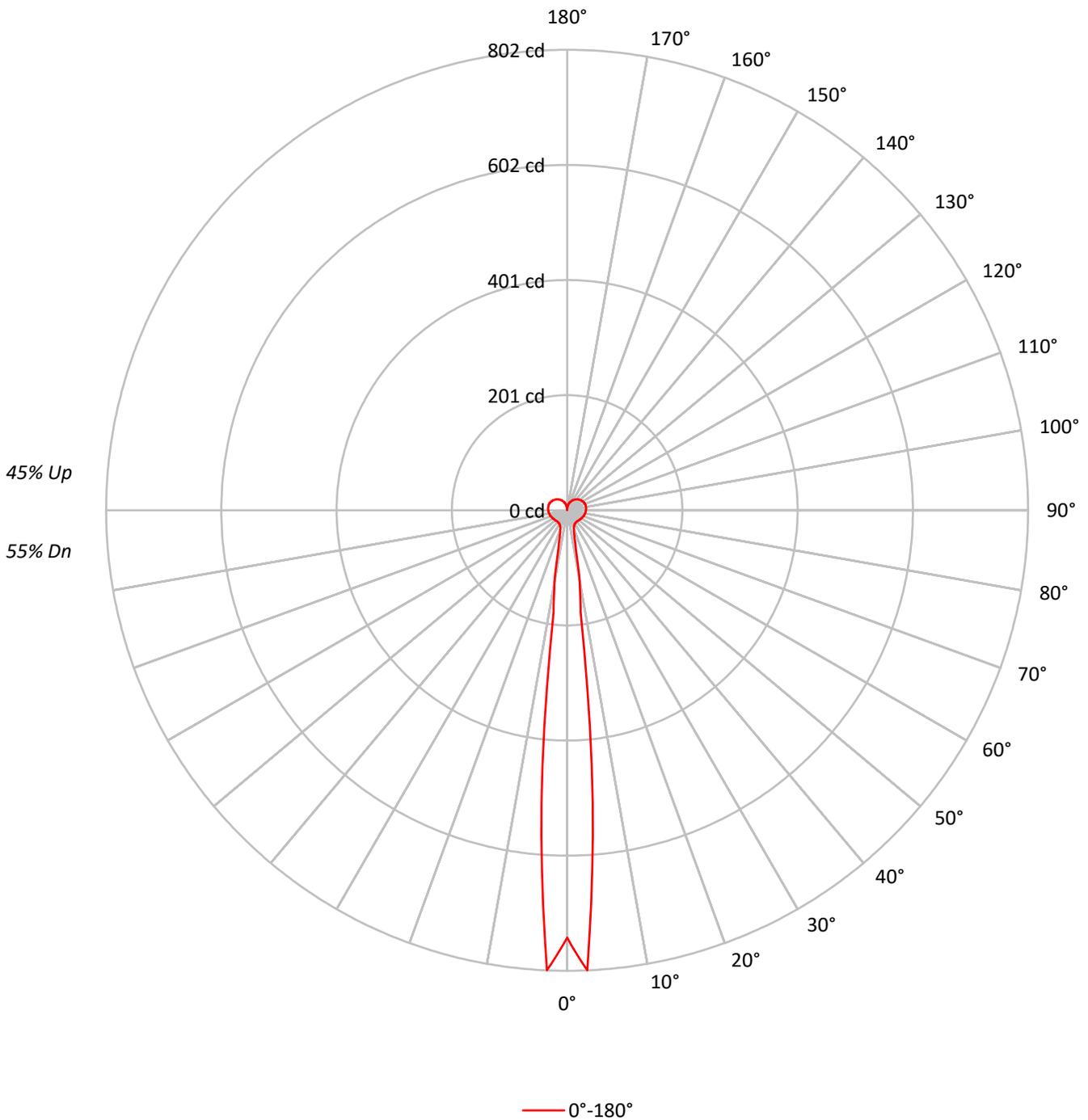
Lumens per Lamp: N/A
Luminaire Lumens: 399.0 lumens
Efficiency: N/A
Efficacy: 24.6 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 16.2
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: P1245391

CATALOG NUMBER: PRLX-UNA-M-927-04L-U-PS

Luminous Intensity Polar Plot





TEST NUMBER: P1245391

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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	95	90	84	79	88	83	78	74	70	67	64	59	56	54	48	46	45	39
2	86	77	70	63	79	71	65	59	61	56	51	51	47	43	42	39	36	31
3	78	68	59	53	72	63	55	49	53	48	43	45	40	36	37	33	30	26
4	72	60	51	45	66	56	48	42	48	42	37	40	35	32	33	30	27	23
5	67	54	45	39	61	50	43	37	43	37	32	37	32	28	30	27	24	21
6	62	49	41	34	57	46	38	33	40	33	29	34	29	25	28	25	22	19
7	58	45	37	31	53	42	35	29	37	31	26	31	27	23	27	23	20	17
8	54	41	34	28	50	39	32	27	34	28	24	29	25	21	25	21	19	16
9	51	38	31	26	47	36	29	25	32	26	22	28	23	20	24	20	17	15
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38143
5°	19306
10°	3708
15°	1243
20°	744
25°	567
30°	468
35°	420
40°	384
45°	369
50°	360
55°	352
60°	356
65°	354
70°	362
75°	372
80°	378
85°	389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 402 cd/sqm



TEST NUMBER: P1245391

CATALOG NUMBER: PRLX-UNA-M-927-04L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	8.3
10°-20°	15.9	4.0
20°-30°	13.7	3.4
30°-40°	16.5	4.1
40°-50°	20.4	5.1
50°-60°	24.8	6.2
60°-70°	29.0	7.3
70°-80°	32.8	8.2
80°-90°	35.2	8.8
90°-100°	36.1	9.1
100°-110°	35.2	8.8
110°-120°	32.0	8.0
120°-130°	26.9	6.7
130°-140°	20.8	5.2
140°-150°	14.3	3.6
150°-160°	8.3	2.1
160°-170°	3.5	0.9
170°-180°	0.5	0.1
0°-30°	62.6	15.7
0°-40°	79.1	19.8
0°-60°	124.3	31.1
0°-90°	221.3	55.5
90°-120°	103.3	25.9
90°-150°	165.3	41.4
90°-180°	178.0	44.6
0°-180°	399.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	744	
5°	513	33
15°	50	16
25°	30	14
35°	26	17
45°	26	20
55°	28	25
65°	29	29
75°	31	33
85°	32	26
90°	33	18
95°	33	27
105°	33	35
115°	32	32
125°	30	27
135°	27	21
145°	23	14
155°	18	8
165°	12	4
175°	4	1
180°	0	

TEST NUMBER: P1245391

CATALOG NUMBER: PRLX-UNA-M-927-04L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	744.3
2.5°	801.9
5°	512.6
7.5°	178.8
10°	123.8
12.5°	70.9
15°	49.7
17.5°	40.2
20°	34.4
22.5°	31.2
25°	29.6
27.5°	28.0
30°	27.0
32.5°	26.4
35°	26.4
37.5°	25.9
40°	25.9
42.5°	25.9
45°	26.4
47.5°	26.4
50°	27.0
52.5°	27.0
55°	27.5
57.5°	28.0
60°	28.6
62.5°	28.6
65°	29.1
67.5°	29.6
70°	30.2
72.5°	30.7
75°	31.2
77.5°	31.2
80°	31.7
82.5°	32.3
85°	32.3
87.5°	32.3
90°	32.8
92.5°	32.8
95°	33.3
97.5°	33.3
100°	33.3
102.5°	33.3
105°	33.3
107.5°	33.3
110°	32.8

TEST NUMBER: P1245391

CATALOG NUMBER: PRLX-UNA-M-927-04L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	32.8
115°	32.3
117.5°	31.7
120°	31.2
122.5°	30.7
125°	30.2
127.5°	29.1
130°	28.6
132.5°	27.5
135°	27.0
137.5°	25.9
140°	24.9
142.5°	23.8
145°	22.7
147.5°	21.7
150°	20.6
152.5°	19.0
155°	18.0
157.5°	16.4
160°	15.3
162.5°	13.8
165°	12.2
167.5°	10.6
170°	9.0
172.5°	6.3
175°	3.7
177.5°	1.6
180°	0.5



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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	3.5	4.5	4.4	5.5	6.6	3.5	4.5	4.4	5.5	6.6
	3H	6.5	7.5	7.4	8.4	9.6	6.5	7.5	7.4	8.4	9.6
	4H	8.0	8.9	8.9	9.8	11.1	8.0	8.9	8.9	9.8	11.1
	6H	9.5	10.3	10.4	11.3	12.5	9.5	10.3	10.4	11.3	12.5
	8H	10.2	11.0	11.1	12.0	13.2	10.2	11.0	11.1	12.0	13.2
	12H	10.9	11.7	11.9	12.6	13.9	10.9	11.7	11.9	12.6	13.9
4H	2H	4.3	5.2	5.2	6.1	7.3	4.3	5.2	5.2	6.1	7.3
	3H	7.5	8.3	8.4	9.2	10.5	7.5	8.3	8.4	9.2	10.5
	4H	9.1	9.8	10.1	10.8	12.1	9.1	9.8	10.1	10.8	12.1
	6H	10.8	11.4	11.7	12.4	13.6	10.8	11.4	11.7	12.4	13.6
	8H	11.6	12.2	12.5	13.2	14.4	11.6	12.2	12.5	13.2	14.4
	12H	12.4	12.9	13.4	13.9	15.2	12.4	12.9	13.4	13.9	15.2
8H	4H	9.7	10.3	10.6	11.2	12.5	9.7	10.3	10.6	11.2	12.5
	6H	11.5	12.0	12.5	13.0	14.3	11.5	12.0	12.5	13.0	14.3
	8H	12.5	12.9	13.4	13.9	15.2	12.5	12.9	13.4	13.9	15.2
	12H	13.4	13.9	14.4	14.9	16.2	13.4	13.9	14.4	14.9	16.2
12H	4H	9.8	10.3	10.7	11.3	12.6	9.8	10.3	10.7	11.3	12.6
	6H	11.7	12.2	12.7	13.2	14.5	11.7	12.2	12.7	13.2	14.5
	8H	12.7	13.2	13.7	14.2	15.5	12.7	13.2	13.7	14.2	15.5

(END OF REPORT)