

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: P1244893

Luminaire Tested: PRLX-MIN-M-927-07L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244893
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-927-07L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

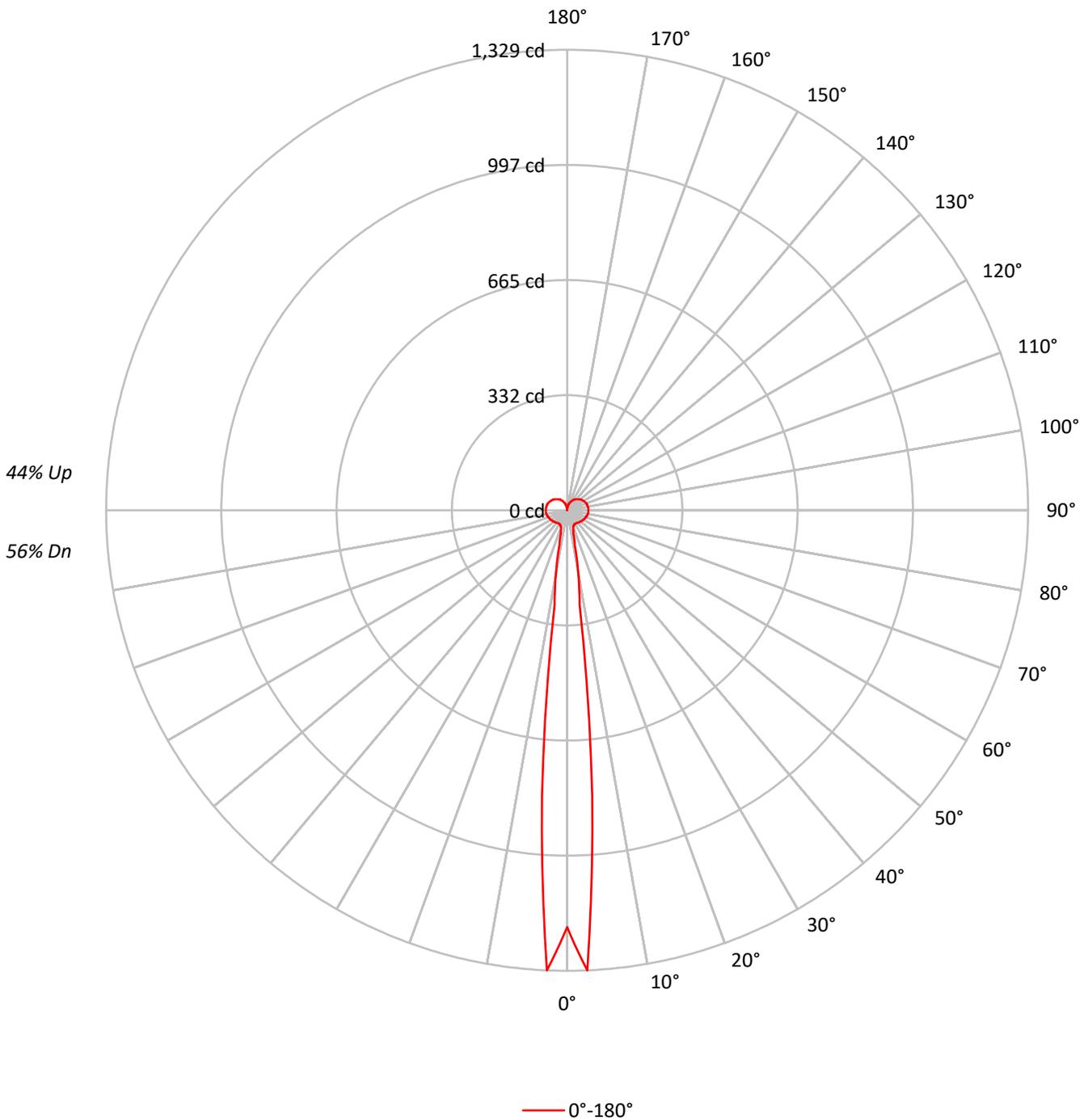
Lumens per Lamp: N/A
Luminaire Lumens: 708.1 lumens
Efficiency: N/A
Efficacy: 24.5 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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: P1244893

CATALOG NUMBER: PRLX-MIN-M-927-07L-U-PS

Luminous Intensity Polar Plot





TEST NUMBER: P1244893

CATALOG NUMBER: PRLX-MIN-M-927-07L-U-PS

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	30
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°	61661
5°	31169
10°	5586
15°	1776
20°	1114
25°	903
30°	785
35°	721
40°	699
45°	682
50°	674
55°	671
60°	674
65°	680
70°	692
75°	709
80°	721
85°	739

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 751 cd/sqm

TEST NUMBER: P1244893

CATALOG NUMBER: PRLX-MIN-M-927-07L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	7.5
10°-20°	23.2	3.3
20°-30°	21.9	3.1
30°-40°	28.8	4.1
40°-50°	37.9	5.3
50°-60°	47.0	6.6
60°-70°	55.5	7.8
70°-80°	62.8	8.9
80°-90°	66.8	9.4
90°-100°	66.8	9.4
100°-110°	63.2	8.9
110°-120°	56.3	8.0
120°-130°	46.5	6.6
130°-140°	35.1	5.0
140°-150°	24.0	3.4
150°-160°	13.5	1.9
160°-170°	5.4	0.8
170°-180°	0.5	0.1
0°-30°	98.0	13.8
0°-40°	126.8	17.9
0°-60°	211.7	29.9
0°-90°	396.8	56.0
90°-120°	186.3	26.3
90°-150°	291.9	41.2
90°-180°	311.0	43.9
0°-180°	708.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1203	
5°	828	53
15°	71	23
25°	47	22
35°	45	29
45°	49	38
55°	52	47
65°	56	56
75°	60	63
85°	61	50
90°	61	34
95°	61	50
105°	60	63
115°	57	56
125°	52	46
135°	45	35
145°	38	24
155°	29	14
165°	19	5
175°	2	0
180°	0	

TEST NUMBER: P1244893

CATALOG NUMBER: PRLX-MIN-M-927-07L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	1203.2
2.5°	1329.3
5°	827.6
7.5°	274.4
10°	186.5
12.5°	102.1
15°	71.0
17.5°	58.6
20°	51.5
22.5°	48.8
25°	47.1
27.5°	45.3
30°	45.3
32.5°	45.3
35°	45.3
37.5°	46.2
40°	47.1
42.5°	48.0
45°	48.8
47.5°	49.7
50°	50.6
52.5°	51.5
55°	52.4
57.5°	53.3
60°	54.2
62.5°	55.1
65°	55.9
67.5°	56.8
70°	57.7
72.5°	58.6
75°	59.5
77.5°	60.4
80°	60.4
82.5°	61.3
85°	61.3
87.5°	61.3
90°	61.3
92.5°	61.3
95°	61.3
97.5°	61.3
100°	60.4
102.5°	60.4
105°	59.5
107.5°	59.5
110°	58.6

TEST NUMBER: P1244893

CATALOG NUMBER: PRLX-MIN-M-927-07L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	57.7
115°	56.8
117.5°	55.9
120°	54.2
122.5°	53.3
125°	51.5
127.5°	50.6
130°	48.8
132.5°	47.1
135°	45.3
137.5°	43.5
140°	41.7
142.5°	40.0
145°	38.2
147.5°	36.4
150°	33.7
152.5°	31.1
155°	29.3
157.5°	26.6
160°	24.0
162.5°	22.2
165°	18.6
167.5°	15.1
170°	10.7
172.5°	6.2
175°	1.8
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	6.0	7.0	6.9	7.9	9.1	6.0	7.0	6.9	7.9	9.1
	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	12.4	13.6	10.5	11.4	11.4	12.4	13.6
	6H	12.0	12.9	12.9	13.8	15.0	12.0	12.9	12.9	13.8	15.0
	8H	12.7	13.5	13.6	14.5	15.7	12.7	13.5	13.6	14.5	15.7
	12H	13.4	14.2	14.3	15.1	16.4	13.4	14.2	14.3	15.1	16.4
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	11.7	13.0	10.0	10.8	10.9	11.7	13.0
	4H	11.6	12.4	12.6	13.3	14.6	11.6	12.4	12.6	13.3	14.6
	6H	13.3	13.9	14.2	14.9	16.2	13.3	13.9	14.2	14.9	16.2
	8H	14.1	14.7	15.0	15.7	16.9	14.1	14.7	15.0	15.7	16.9
	12H	14.9	15.4	15.8	16.4	17.7	14.9	15.4	15.8	16.4	17.7
8H	4H	12.2	12.8	13.1	13.8	15.0	12.2	12.8	13.1	13.8	15.0
	6H	14.0	14.5	15.0	15.6	16.8	14.0	14.5	15.0	15.6	16.8
	8H	15.0	15.4	15.9	16.4	17.7	15.0	15.4	15.9	16.4	17.7
	12H	15.9	16.4	16.9	17.4	18.7	15.9	16.4	16.9	17.4	18.7
12H	4H	12.3	12.9	13.2	13.8	15.1	12.3	12.9	13.2	13.8	15.1
	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)