

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: P1244936

Luminaire Tested: PRLX-MIN-M-940-07L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244936
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-940-07L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

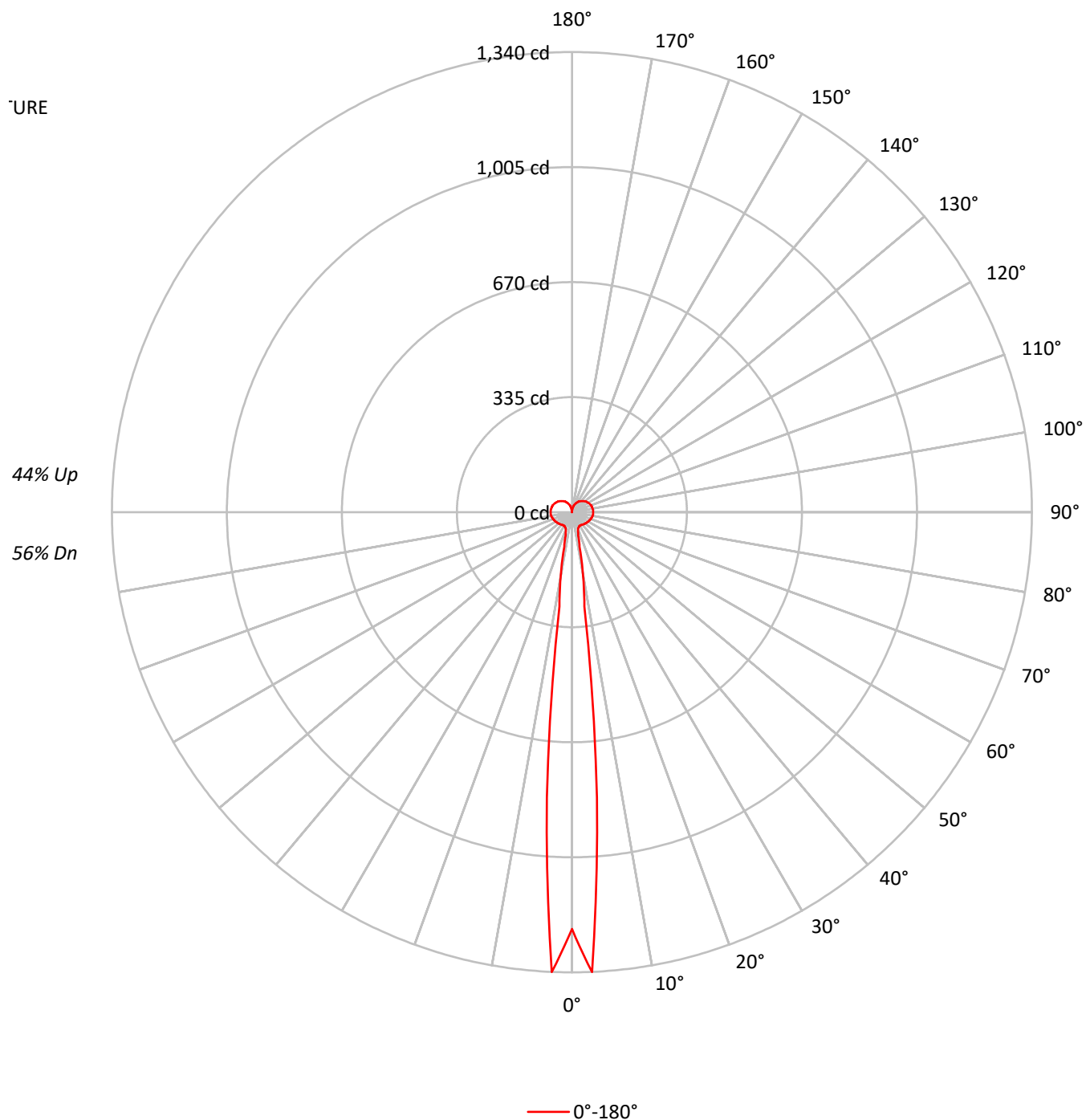
Lumens per Lamp: N/A
Luminaire Lumens: 714.0 lumens
Efficiency: N/A
Efficacy: 24.7 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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: P1244936

CATALOG NUMBER: PRLX-MIN-M-940-07L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1244936

CATALOG NUMBER: PRLX-MIN-M-940-07L-U-NL

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°	62183
5°	31433
10°	5634
15°	1791
20°	1122
25°	910
30°	792
35°	728
40°	705
45°	689
50°	679
55°	677
60°	679
65°	686
70°	698
75°	715
80°	727
85°	745

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 757 cd/sqm

TEST NUMBER: P1244936

CATALOG NUMBER: PRLX-MIN-M-940-07L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	7.5
10°-20°	23.4	3.3
20°-30°	22.0	3.1
30°-40°	29.0	4.1
40°-50°	38.2	5.3
50°-60°	47.4	6.6
60°-70°	56.0	7.8
70°-80°	63.4	8.9
80°-90°	67.3	9.4
90°-100°	67.3	9.4
100°-110°	63.7	8.9
110°-120°	56.8	8.0
120°-130°	46.8	6.6
130°-140°	35.5	5.0
140°-150°	24.2	3.4
150°-160°	13.7	1.9
160°-170°	5.4	0.8
170°-180°	0.5	0.1
0°-30°	98.8	13.8
0°-40°	127.8	17.9
0°-60°	213.4	29.9
0°-90°	400.1	56.0
90°-120°	187.8	26.3
90°-150°	294.3	41.2
90°-180°	314.0	44.0
0°-180°	714.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1213	
5°	835	53
15°	72	23
25°	48	22
35°	46	29
45°	49	38
55°	53	47
65°	56	56
75°	60	63
85°	62	50
90°	62	34
95°	62	50
105°	60	64
115°	57	57
125°	52	47
135°	46	35
145°	38	24
155°	30	14
165°	19	5
175°	2	0
180°	0	

TEST NUMBER: P1244936

CATALOG NUMBER: PRLX-MIN-M-940-07L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	1213.4
2.5°	1340.5
5°	834.6
7.5°	276.7
10°	188.1
12.5°	103.0
15°	71.6
17.5°	59.1
20°	51.9
22.5°	49.3
25°	47.5
27.5°	45.7
30°	45.7
32.5°	45.7
35°	45.7
37.5°	46.6
40°	47.5
42.5°	48.4
45°	49.3
47.5°	50.1
50°	51.0
52.5°	51.9
55°	52.8
57.5°	53.7
60°	54.6
62.5°	55.5
65°	56.4
67.5°	57.3
70°	58.2
72.5°	59.1
75°	60.0
77.5°	60.9
80°	60.9
82.5°	61.8
85°	61.8
87.5°	61.8
90°	61.8
92.5°	61.8
95°	61.8
97.5°	61.8
100°	60.9
102.5°	60.9
105°	60.0
107.5°	60.0
110°	59.1

TEST NUMBER: P1244936

CATALOG NUMBER: PRLX-MIN-M-940-07L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	58.2
115°	57.3
117.5°	56.4
120°	54.6
122.5°	53.7
125°	51.9
127.5°	51.0
130°	49.3
132.5°	47.5
135°	45.7
137.5°	43.9
140°	42.1
142.5°	40.3
145°	38.5
147.5°	36.7
150°	34.0
152.5°	31.3
155°	29.6
157.5°	26.9
160°	24.2
162.5°	22.4
165°	18.8
167.5°	15.2
170°	10.7
172.5°	6.3
175°	1.8
177.5°	0.0
180°	0.0

TEST NUMBER: P1244936

CATALOG NUMBER: PRLX-MIN-M-940-07L-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	6.0	7.0	6.9	8.0	9.1	6.0	7.0	6.9	8.0	9.1
	3H	9.1	10.0	10.0	10.9	12.1	9.1	10.0	10.0	10.9	12.1
	4H	10.6	11.5	11.5	12.4	13.6	10.6	11.5	11.5	12.4	13.6
	6H	12.0	12.9	13.0	13.8	15.0	12.0	12.9	13.0	13.8	15.0
	8H	12.7	13.6	13.7	14.5	15.7	12.7	13.6	13.7	14.5	15.7
	12H	13.4	14.2	14.4	15.2	16.4	13.4	14.2	14.4	15.2	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	11.8	13.0	10.0	10.8	10.9	11.8	13.0
	4H	11.7	12.4	12.6	13.4	14.6	11.7	12.4	12.6	13.4	14.6
	6H	13.3	14.0	14.2	14.9	16.2	13.3	14.0	14.2	14.9	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	15.5	15.9	16.5	17.7	14.9	15.5	15.9	16.5	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	14.6	15.0	15.6	16.8	14.0	14.6	15.0	15.6	16.8
	8H	15.0	15.5	16.0	16.5	17.7	15.0	15.5	16.0	16.5	17.7
	12H	16.0	16.4	16.9	17.4	18.7	16.0	16.4	16.9	17.4	18.7
12H	4H	12.3	12.9	13.3	13.9	15.1	12.3	12.9	13.3	13.9	15.1
	6H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0
	8H	15.3	15.7	16.2	16.7	18.0	15.3	15.7	16.2	16.7	18.0

(END OF REPORT)