

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: P1245436

Luminaire Tested: PRLX-UNA-M-940-04L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245436
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-940-04L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

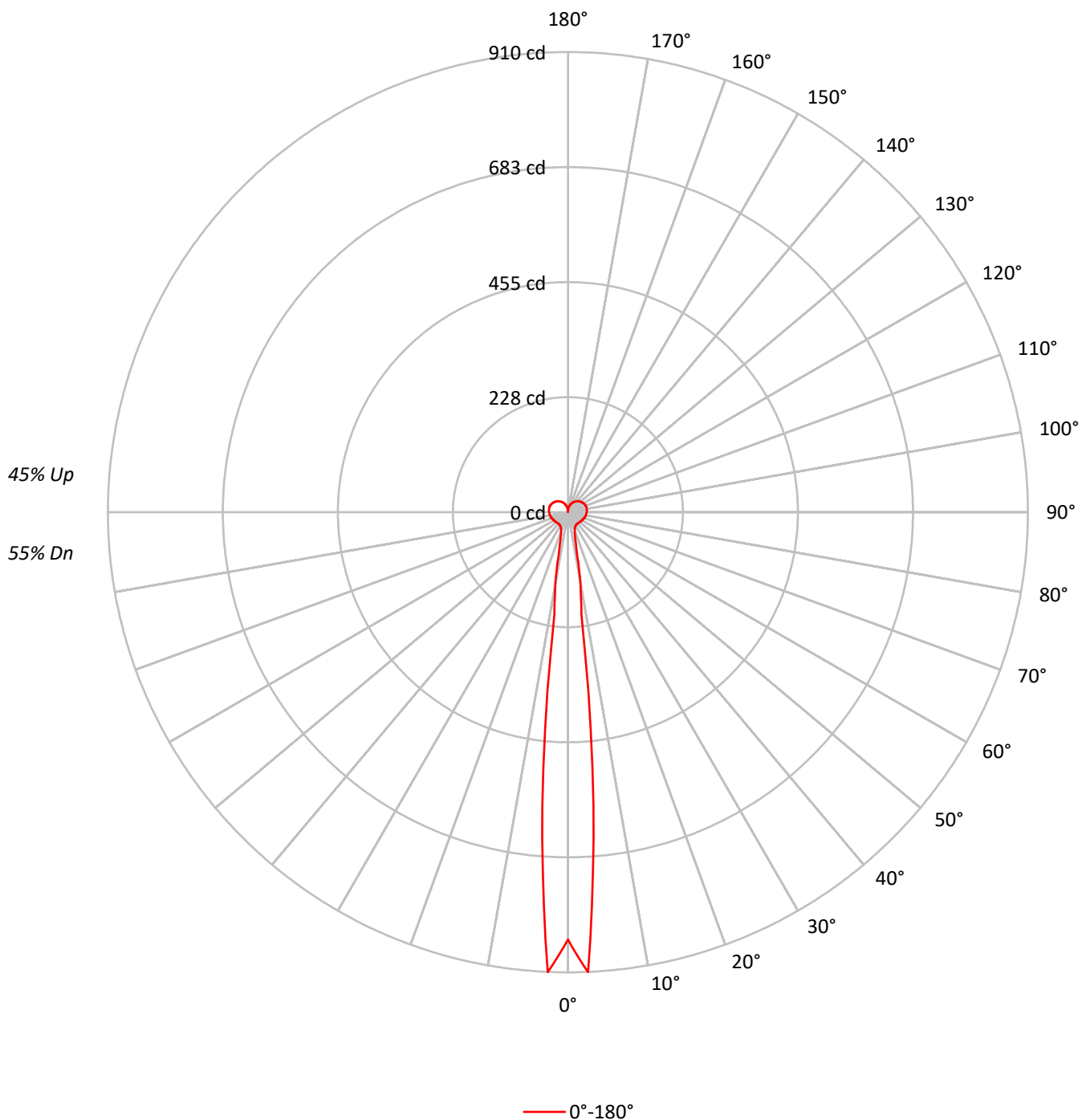
Lumens per Lamp: N/A
Luminaire Lumens: 452.6 lumens
Efficiency: N/A
Efficacy: 27.9 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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

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Luminous Intensity Polar Plot





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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	0		
R																				
C	0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55	
R	1	95	90	84	79	88	83	78	74	70	67	64	59	56	54	48	46	45	39	
C	2	86	77	70	63	79	71	65	59	61	56	51	51	47	43	42	39	36	31	
R	3	78	68	59	53	72	63	55	49	53	48	43	45	40	36	37	33	30	26	
C	4	72	60	51	45	66	56	48	42	48	42	37	40	35	32	33	30	27	23	
R	5	67	54	45	39	61	50	43	37	43	37	32	37	32	28	31	27	24	21	
C	6	62	49	41	34	57	46	38	33	40	33	29	34	29	25	28	25	22	19	
R	7	58	45	37	31	53	42	35	29	37	31	26	31	27	23	27	23	20	17	
C	8	54	41	34	28	50	39	32	27	34	28	24	29	25	21	25	21	19	16	
R	9	51	38	31	26	47	36	29	25	32	26	22	28	23	20	24	20	17	15	
C	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°	43304
5°	21920
10°	4208
15°	1414
20°	843
25°	644
30°	530
35°	478
40°	436
45°	420
50°	408
55°	400
60°	403
65°	401
70°	410
75°	422
80°	430
85°	441

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 456 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	8.3
10°-20°	18.0	4.0
20°-30°	15.6	3.4
30°-40°	18.7	4.1
40°-50°	23.1	5.1
50°-60°	28.1	6.2
60°-70°	32.8	7.3
70°-80°	37.2	8.2
80°-90°	39.9	8.8
90°-100°	41.0	9.1
100°-110°	39.9	8.8
110°-120°	36.3	8.0
120°-130°	30.5	6.7
130°-140°	23.6	5.2
140°-150°	16.3	3.6
150°-160°	9.5	2.1
160°-170°	4.0	0.9
170°-180°	0.6	0.1
0°-30°	71.1	15.7
0°-40°	89.8	19.8
0°-60°	141.0	31.2
0°-90°	251.0	55.5
90°-120°	117.2	25.9
90°-150°	187.5	41.4
90°-180°	202.0	44.6
0°-180°	452.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	845	
5°	582	38
15°	56	18
25°	34	16
35°	30	19
45°	30	23
55°	31	28
65°	33	33
75°	35	37
85°	37	30
90°	37	20
95°	38	31
105°	38	40
115°	37	36
125°	34	31
135°	31	24
145°	26	16
155°	20	9
165°	14	4
175°	4	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	845.0
2.5°	910.5
5°	582.0
7.5°	203.0
10°	140.5
12.5°	80.5
15°	56.5
17.5°	45.6
20°	39.0
22.5°	35.4
25°	33.6
27.5°	31.8
30°	30.6
32.5°	30.0
35°	30.0
37.5°	29.4
40°	29.4
42.5°	29.4
45°	30.0
47.5°	30.0
50°	30.6
52.5°	30.6
55°	31.2
57.5°	31.8
60°	32.4
62.5°	32.4
65°	33.0
67.5°	33.6
70°	34.2
72.5°	34.8
75°	35.4
77.5°	35.4
80°	36.0
82.5°	36.6
85°	36.6
87.5°	36.6
90°	37.2
92.5°	37.2
95°	37.8
97.5°	37.8
100°	37.8
102.5°	37.8
105°	37.8
107.5°	37.8
110°	37.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	37.2
115°	36.6
117.5°	36.0
120°	35.4
122.5°	34.8
125°	34.2
127.5°	33.0
130°	32.4
132.5°	31.2
135°	30.6
137.5°	29.4
140°	28.2
142.5°	27.0
145°	25.8
147.5°	24.6
150°	23.4
152.5°	21.6
155°	20.4
157.5°	18.6
160°	17.4
162.5°	15.6
165°	13.8
167.5°	12.0
170°	10.2
172.5°	7.2
175°	4.2
177.5°	1.8
180°	0.6

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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	4.0	5.0	4.9	5.9	7.1	4.0	5.0	4.9	5.9	7.1
	3H	7.0	7.9	7.9	8.8	10.0	7.0	7.9	7.9	8.8	10.0
	4H	8.5	9.3	9.4	10.3	11.5	8.5	9.3	9.4	10.3	11.5
	6H	9.9	10.8	10.9	11.7	12.9	9.9	10.8	10.9	11.7	12.9
	8H	10.7	11.4	11.6	12.4	13.6	10.7	11.4	11.6	12.4	13.6
	12H	11.3	12.1	12.3	13.1	14.3	11.3	12.1	12.3	13.1	14.3
4H	2H	4.7	5.6	5.7	6.5	7.8	4.7	5.6	5.7	6.5	7.8
	3H	7.9	8.7	8.9	9.7	10.9	7.9	8.7	8.9	9.7	10.9
	4H	9.6	10.3	10.5	11.2	12.5	9.6	10.3	10.5	11.2	12.5
	6H	11.2	11.8	12.2	12.8	14.1	11.2	11.8	12.2	12.8	14.1
	8H	12.0	12.6	13.0	13.6	14.9	12.0	12.6	13.0	13.6	14.9
	12H	12.8	13.4	13.8	14.4	15.6	12.8	13.4	13.8	14.4	15.6
8H	4H	10.1	10.7	11.0	11.7	12.9	10.1	10.7	11.0	11.7	12.9
	6H	11.9	12.5	12.9	13.5	14.7	11.9	12.5	12.9	13.5	14.7
	8H	12.9	13.4	13.9	14.4	15.6	12.9	13.4	13.9	14.4	15.6
	12H	13.9	14.3	14.9	15.3	16.6	13.9	14.3	14.9	15.3	16.6
12H	4H	10.2	10.8	11.2	11.8	13.0	10.2	10.8	11.2	11.8	13.0
	6H	12.1	12.6	13.1	13.6	14.9	12.1	12.6	13.1	13.6	14.9
	8H	13.2	13.6	14.2	14.6	15.9	13.2	13.6	14.2	14.6	15.9

(END OF REPORT)