

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: P1245159

Luminaire Tested: PRLX-NIM-M-930-06L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245159
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-930-06L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, LAYERED FINE SHADE TEXTU
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

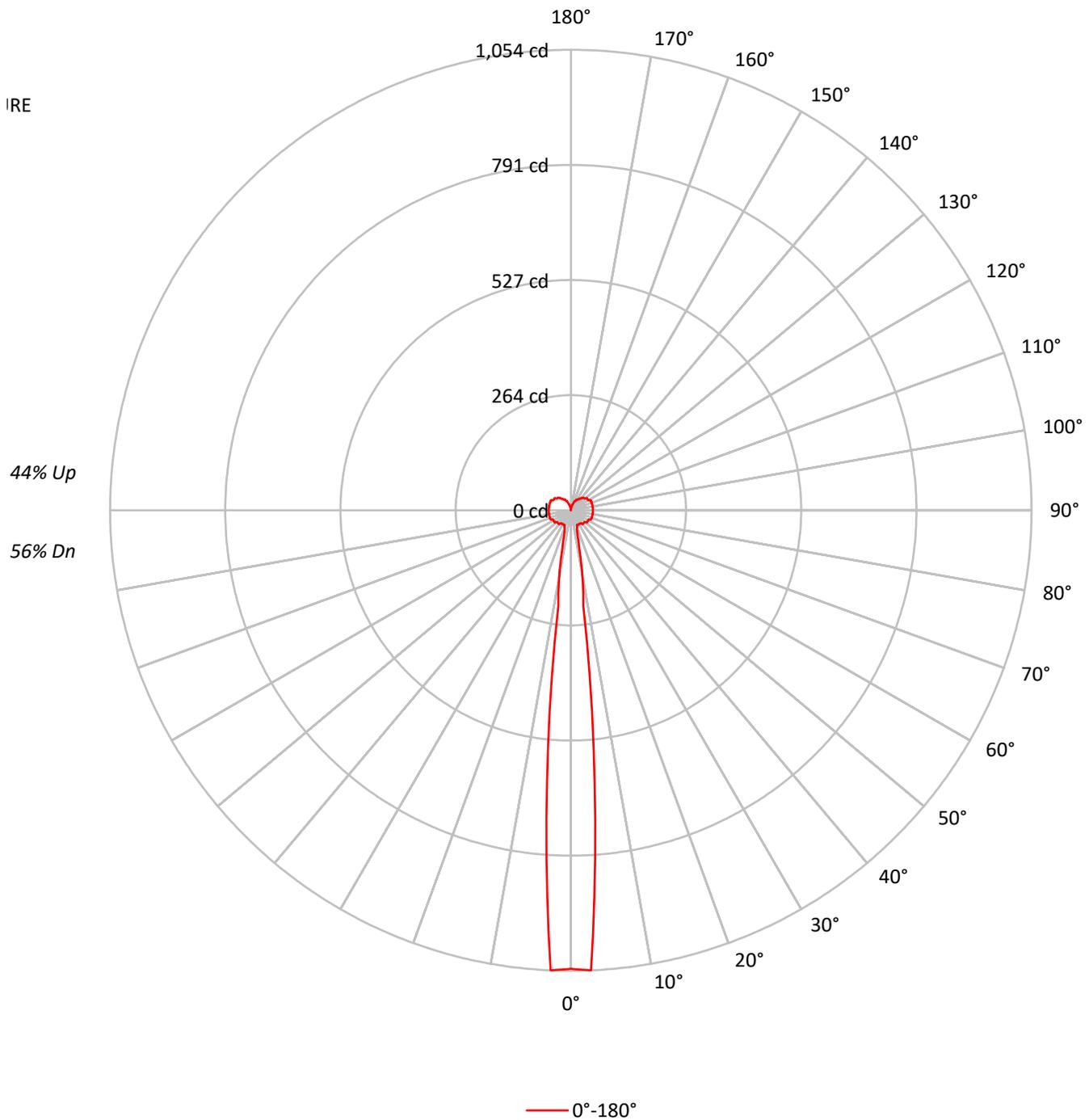
Lumens per Lamp: N/A
Luminaire Lumens: 596.7 lumens
Efficiency: N/A
Efficacy: 28.0 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 21.3
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	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°	53774
5°	23573
10°	4550
15°	1496
20°	895
25°	705
30°	638
35°	586
40°	614
45°	579
50°	552
55°	589
60°	572
65°	616
70°	607
75°	603
80°	604
85°	610

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 620 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	7.0
10°-20°	19.1	3.2
20°-30°	17.3	2.9
30°-40°	23.5	3.9
40°-50°	32.1	5.4
50°-60°	40.8	6.8
60°-70°	48.6	8.1
70°-80°	53.5	9.0
80°-90°	55.2	9.3
90°-100°	55.2	9.3
100°-110°	53.5	9.0
110°-120°	49.7	8.3
120°-130°	40.8	6.8
130°-140°	30.8	5.2
140°-150°	19.6	3.3
150°-160°	11.3	1.9
160°-170°	3.7	0.6
170°-180°	0.4	0.1
0°-30°	78.1	13.1
0°-40°	101.6	17.0
0°-60°	174.5	29.2
0°-90°	331.8	55.6
90°-120°	158.4	26.5
90°-150°	249.6	41.8
90°-180°	265.0	44.4
0°-180°	596.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1049	
5°	626	42
15°	60	19
25°	37	17
35°	37	24
45°	41	32
55°	46	41
65°	51	49
75°	51	54
85°	51	41
90°	51	28
95°	51	41
105°	51	54
115°	51	50
125°	46	41
135°	41	31
145°	32	20
155°	23	11
165°	14	4
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1049.3
2.5°	1053.9
5°	625.9
7.5°	220.9
10°	151.9
12.5°	87.4
15°	59.8
17.5°	46.0
20°	41.4
22.5°	36.8
25°	36.8
27.5°	36.8
30°	36.8
32.5°	36.8
35°	36.8
37.5°	36.8
40°	41.4
42.5°	41.4
45°	41.4
47.5°	41.4
50°	41.4
52.5°	46.0
55°	46.0
57.5°	46.0
60°	46.0
62.5°	46.0
65°	50.6
67.5°	50.6
70°	50.6
72.5°	50.6
75°	50.6
77.5°	50.6
80°	50.6
82.5°	50.6
85°	50.6
87.5°	50.6
90°	50.6
92.5°	50.6
95°	50.6
97.5°	50.6
100°	50.6
102.5°	50.6
105°	50.6
107.5°	50.6
110°	50.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.6
115°	50.6
117.5°	50.6
120°	46.0
122.5°	46.0
125°	46.0
127.5°	46.0
130°	41.4
132.5°	41.4
135°	41.4
137.5°	36.8
140°	36.8
142.5°	32.2
145°	32.2
147.5°	27.6
150°	27.6
152.5°	27.6
155°	23.0
157.5°	23.0
160°	18.4
162.5°	13.8
165°	13.8
167.5°	9.2
170°	9.2
172.5°	4.6
175°	0.0
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	5.5	6.6	6.4	7.5	8.7	5.5	6.6	6.4	7.5	8.7
	3H	8.7	9.6	9.6	10.6	11.8	8.7	9.6	9.6	10.6	11.8
	4H	10.1	11.0	11.0	12.0	13.2	10.1	11.0	11.0	12.0	13.2
	6H	11.5	12.4	12.4	13.3	14.5	11.5	12.4	12.4	13.3	14.5
	8H	12.2	13.0	13.1	13.9	15.2	12.2	13.0	13.1	13.9	15.2
	12H	12.8	13.6	13.8	14.6	15.8	12.8	13.6	13.8	14.6	15.8
4H	2H	6.4	7.3	7.3	8.2	9.4	6.4	7.3	7.3	8.2	9.4
	3H	9.7	10.4	10.6	11.4	12.6	9.7	10.4	10.6	11.4	12.6
	4H	11.2	12.0	12.2	12.9	14.2	11.2	12.0	12.2	12.9	14.2
	6H	12.8	13.4	13.7	14.4	15.7	12.8	13.4	13.7	14.4	15.7
	8H	13.5	14.2	14.5	15.1	16.4	13.5	14.2	14.5	15.1	16.4
	12H	14.3	14.9	15.3	15.8	17.1	14.3	14.9	15.3	15.8	17.1
8H	4H	11.7	12.3	12.7	13.3	14.6	11.7	12.3	12.7	13.3	14.6
	6H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3
	8H	14.4	14.9	15.4	15.9	17.1	14.4	14.9	15.4	15.9	17.1
	12H	15.3	15.7	16.3	16.7	18.1	15.3	15.7	16.3	16.7	18.1
12H	4H	11.8	12.4	12.8	13.4	14.7	11.8	12.4	12.8	13.4	14.7
	6H	13.7	14.1	14.6	15.1	16.4	13.7	14.1	14.6	15.1	16.4
	8H	14.6	15.1	15.6	16.1	17.4	14.6	15.1	15.6	16.1	17.4

(END OF REPORT)