

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: P1245007

Luminaire Tested: PRLX-NIM-L-927-09L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-927-09L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

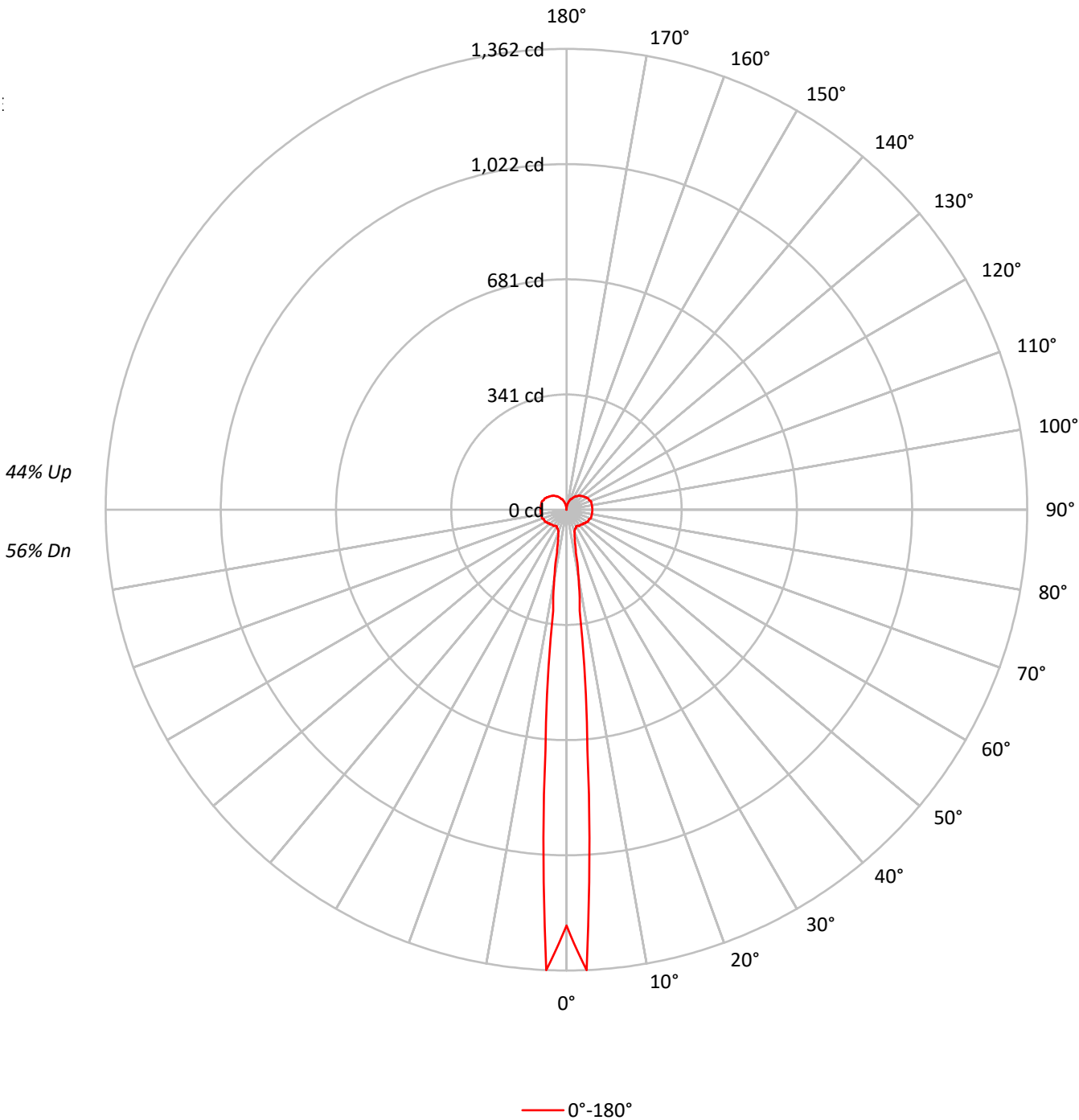
Lumens per Lamp: N/A
Luminaire Lumens: 888.0 lumens
Efficiency: N/A
Efficacy: 39.3 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 22.6
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	
RCR																						
0	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	
1	95	89	83	78		87	82	77	73		70	66	62		58	55	53		48	45	43	
2	85	76	68	61		78	70	63	57		59	54	49		49	45	42		40	37	34	
3	77	66	57	50		71	61	53	47		52	45	40		43	38	34		35	31	28	
4	71	58	49	42		65	54	46	40		46	39	34		38	33	29		31	27	24	
5	65	52	43	36		60	48	40	34		41	35	30		34	29	25		28	24	21	
6	60	47	38	32		55	44	36	30		37	31	26		31	26	22		26	22	19	
7	56	43	34	28		51	40	32	27		34	28	23		29	24	20		24	20	17	
8	52	39	31	25		48	36	29	24		32	25	21		27	22	18		23	19	16	
9	49	36	28	23		45	34	27	22		29	23	19		25	20	17		21	17	15	
10	46	33	26	21		43	31	25	20		27	22	18		24	19	16		20	16	14	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38872
5°	17602
10°	4192
15°	1662
20°	1053
25°	842
30°	721
35°	669
40°	672
45°	638
50°	650
55°	666
60°	686
65°	674
70°	704
75°	703
80°	708
85°	718

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 735 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	5.9
10°-20°	29.6	3.3
20°-30°	28.8	3.2
30°-40°	36.9	4.2
40°-50°	48.5	5.5
50°-60°	60.8	6.9
60°-70°	72.5	8.2
70°-80°	80.7	9.1
80°-90°	83.2	9.4
90°-100°	83.2	9.4
100°-110°	80.7	9.1
110°-120°	72.0	8.1
120°-130°	59.1	6.7
130°-140°	45.1	5.1
140°-150°	30.4	3.4
150°-160°	16.7	1.9
160°-170°	6.7	0.8
170°-180°	0.8	0.1
0°-30°	110.5	12.4
0°-40°	147.4	16.6
0°-60°	256.7	28.9
0°-90°	493.1	55.5
90°-120°	236.0	26.6
90°-150°	370.6	41.7
90°-180°	395.0	44.5
0°-180°	888.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1229	
5°	714	52
15°	95	30
25°	61	29
35°	57	37
45°	61	48
55°	69	61
65°	72	72
75°	76	81
85°	76	62
90°	76	42
95°	76	62
105°	76	81
115°	72	72
125°	65	59
135°	57	45
145°	50	30
155°	34	17
165°	23	7
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1228.7
2.5°	1362.3
5°	713.6
7.5°	301.5
10°	206.1
12.5°	129.7
15°	95.4
17.5°	80.1
20°	68.7
22.5°	64.9
25°	61.1
27.5°	61.1
30°	57.2
32.5°	57.2
35°	57.2
37.5°	61.1
40°	61.1
42.5°	61.1
45°	61.1
47.5°	64.9
50°	64.9
52.5°	64.9
55°	68.7
57.5°	68.7
60°	72.5
62.5°	72.5
65°	72.5
67.5°	72.5
70°	76.3
72.5°	76.3
75°	76.3
77.5°	76.3
80°	76.3
82.5°	76.3
85°	76.3
87.5°	76.3
90°	76.3
92.5°	76.3
95°	76.3
97.5°	76.3
100°	76.3
102.5°	76.3
105°	76.3
107.5°	76.3
110°	76.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	72.5
115°	72.5
117.5°	72.5
120°	68.7
122.5°	68.7
125°	64.9
127.5°	64.9
130°	61.1
132.5°	61.1
135°	57.2
137.5°	57.2
140°	53.4
142.5°	49.6
145°	49.6
147.5°	45.8
150°	42.0
152.5°	38.2
155°	34.3
157.5°	34.3
160°	30.5
162.5°	26.7
165°	22.9
167.5°	19.1
170°	15.3
172.5°	11.4
175°	3.8
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	7.1	6.9	8.0	9.2	6.0	7.1	6.9	8.0	9.2
	3H	9.1	10.0	10.0	11.0	12.2	9.1	10.0	10.0	11.0	12.2
	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	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	8.7	9.9	6.8	7.7	7.7	8.7	9.9
	3H	10.1	10.9	11.0	11.8	13.1	10.1	10.9	11.0	11.8	13.1
	4H	11.7	12.5	12.6	13.4	14.7	11.7	12.5	12.6	13.4	14.7
	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	15.0	15.7	16.9	14.1	14.7	15.0	15.7	16.9
	12H	14.8	15.4	15.8	16.4	17.7	14.8	15.4	15.8	16.4	17.7
8H	4H	12.2	12.9	13.2	13.8	15.1	12.2	12.9	13.2	13.8	15.1
	6H	14.0	14.6	15.0	15.6	16.8	14.0	14.6	15.0	15.6	16.8
	8H	14.9	15.4	15.9	16.4	17.7	14.9	15.4	15.9	16.4	17.7
	12H	15.9	16.3	16.9	17.3	18.6	15.9	16.3	16.9	17.3	18.6
12H	4H	12.3	12.9	13.3	13.9	15.2	12.3	12.9	13.3	13.9	15.2
	6H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0
	8H	15.2	15.6	16.2	16.6	18.0	15.2	15.6	16.2	16.6	18.0

(END OF REPORT)