

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: P1245022

Luminaire Tested: PRLX-NIM-L-927-20L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245022
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-927-20L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE
LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

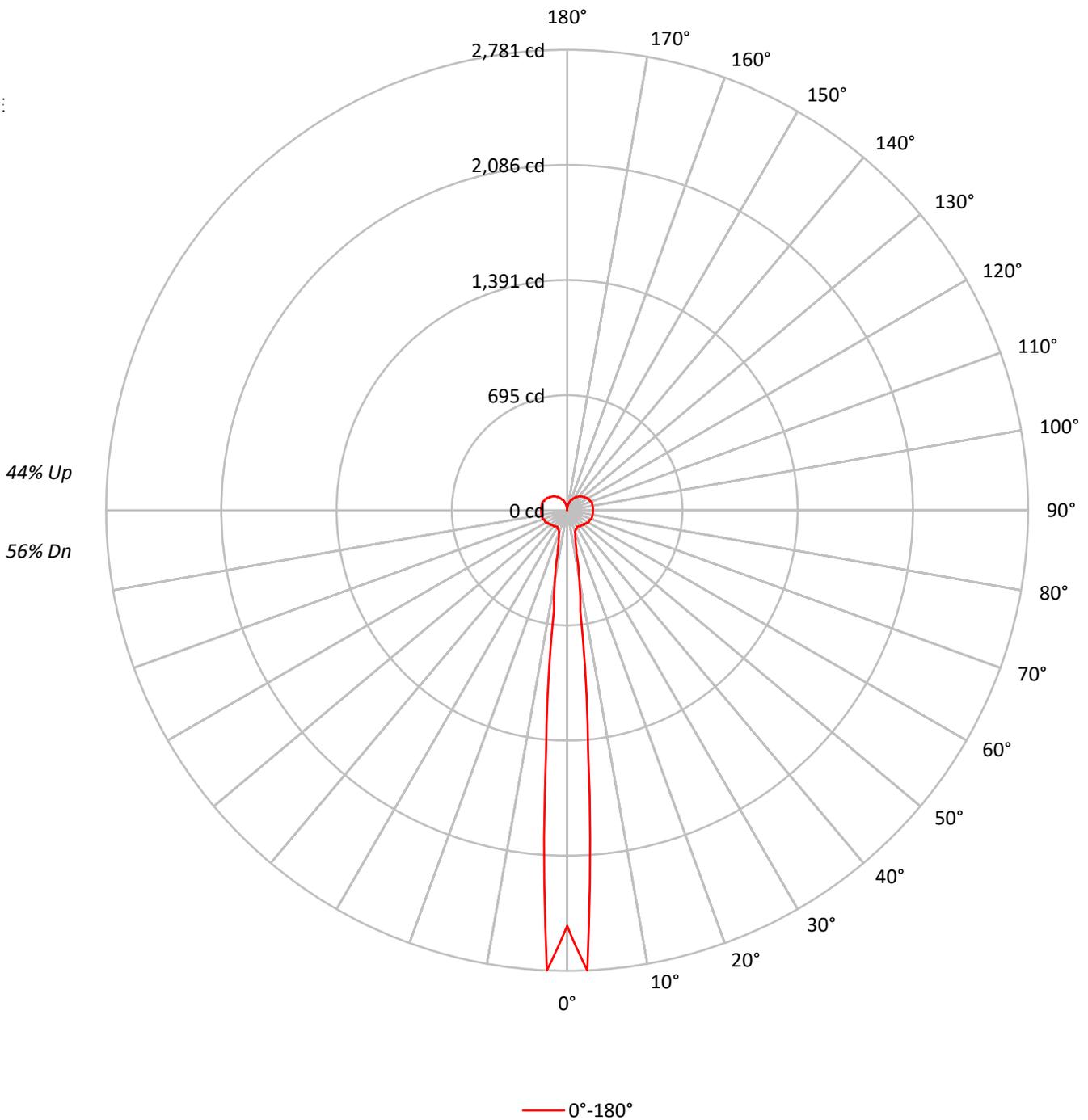
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1812.9 lumens
Efficiency: N/A
Efficacy: 37.3 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): 48.6
Input Voltage (V): NR
Input Current (A_{in}): 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	87	82	77	73	70	66	62	58	55	53	48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79363
5°	35936
10°	8557
15°	3393
20°	2149
25°	1719
30°	1474
35°	1368
40°	1371
45°	1302
50°	1326
55°	1358
60°	1399
65°	1377
70°	1437
75°	1436
80°	1446
85°	1467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1500 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	5.9
10°-20°	60.4	3.3
20°-30°	58.8	3.2
30°-40°	75.4	4.2
40°-50°	98.9	5.5
50°-60°	124.2	6.8
60°-70°	147.9	8.2
70°-80°	164.8	9.1
80°-90°	170.0	9.4
90°-100°	170.0	9.4
100°-110°	164.8	9.1
110°-120°	147.0	8.1
120°-130°	120.7	6.7
130°-140°	92.2	5.1
140°-150°	62.0	3.4
150°-160°	34.1	1.9
160°-170°	13.7	0.8
170°-180°	1.7	0.1
0°-30°	225.6	12.4
0°-40°	301.0	16.6
0°-60°	524.1	28.9
0°-90°	1006.8	55.5
90°-120°	481.8	26.6
90°-150°	756.7	41.7
90°-180°	806.0	44.5
0°-180°	1812.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2509	
5°	1457	106
15°	195	60
25°	125	59
35°	117	75
45°	125	99
55°	140	124
65°	148	148
75°	156	165
85°	156	127
90°	156	85
95°	156	127
105°	156	165
115°	148	147
125°	132	121
135°	117	92
145°	101	62
155°	70	34
165°	47	14
175°	8	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2508.6
2.5°	2781.3
5°	1456.9
7.5°	615.5
10°	420.7
12.5°	264.9
15°	194.8
17.5°	163.6
20°	140.2
22.5°	132.4
25°	124.7
27.5°	124.7
30°	116.9
32.5°	116.9
35°	116.9
37.5°	124.7
40°	124.7
42.5°	124.7
45°	124.7
47.5°	132.4
50°	132.4
52.5°	132.4
55°	140.2
57.5°	140.2
60°	148.0
62.5°	148.0
65°	148.0
67.5°	148.0
70°	155.8
72.5°	155.8
75°	155.8
77.5°	155.8
80°	155.8
82.5°	155.8
85°	155.8
87.5°	155.8
90°	155.8
92.5°	155.8
95°	155.8
97.5°	155.8
100°	155.8
102.5°	155.8
105°	155.8
107.5°	155.8
110°	155.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	148.0
115°	148.0
117.5°	148.0
120°	140.2
122.5°	140.2
125°	132.4
127.5°	132.4
130°	124.7
132.5°	124.7
135°	116.9
137.5°	116.9
140°	109.1
142.5°	101.3
145°	101.3
147.5°	93.5
150°	85.7
152.5°	77.9
155°	70.1
157.5°	70.1
160°	62.3
162.5°	54.5
165°	46.7
167.5°	39.0
170°	31.2
172.5°	23.4
175°	7.8
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	8.5	9.5	9.4	10.5	11.6	8.5	9.5	9.4	10.5	11.6
	3H	11.6	12.5	12.5	13.5	14.7	11.6	12.5	12.5	13.5	14.7
	4H	13.1	14.0	14.0	14.9	16.1	13.1	14.0	14.0	14.9	16.1
	6H	14.5	15.4	15.4	16.3	17.5	14.5	15.4	15.4	16.3	17.5
	8H	15.2	16.0	16.1	17.0	18.2	15.2	16.0	16.1	17.0	18.2
	12H	15.9	16.6	16.8	17.6	18.8	15.9	16.6	16.8	17.6	18.8
4H	2H	9.3	10.2	10.2	11.1	12.4	9.3	10.2	10.2	11.1	12.4
	3H	12.6	13.4	13.5	14.3	15.5	12.6	13.4	13.5	14.3	15.5
	4H	14.2	14.9	15.1	15.9	17.1	14.2	14.9	15.1	15.9	17.1
	6H	15.8	16.4	16.7	17.4	18.7	15.8	16.4	16.7	17.4	18.7
	8H	16.6	17.2	17.5	18.2	19.4	16.6	17.2	17.5	18.2	19.4
	12H	17.3	17.9	18.3	18.9	20.2	17.3	17.9	18.3	18.9	20.2
8H	4H	14.7	15.3	15.7	16.3	17.6	14.7	15.3	15.7	16.3	17.6
	6H	16.5	17.0	17.5	18.1	19.3	16.5	17.0	17.5	18.1	19.3
	8H	17.4	17.9	18.4	18.9	20.2	17.4	17.9	18.4	18.9	20.2
	12H	18.4	18.8	19.3	19.8	21.1	18.4	18.8	19.3	19.8	21.1
12H	4H	14.8	15.4	15.8	16.4	17.7	14.8	15.4	15.8	16.4	17.7
	6H	16.7	17.2	17.7	18.2	19.5	16.7	17.2	17.7	18.2	19.5
	8H	17.7	18.1	18.7	19.1	20.4	17.7	18.1	18.7	19.1	20.4

(END OF REPORT)