

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: P1245086

Luminaire Tested: PRLX-NIM-L-935-20L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245086
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-935-20L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

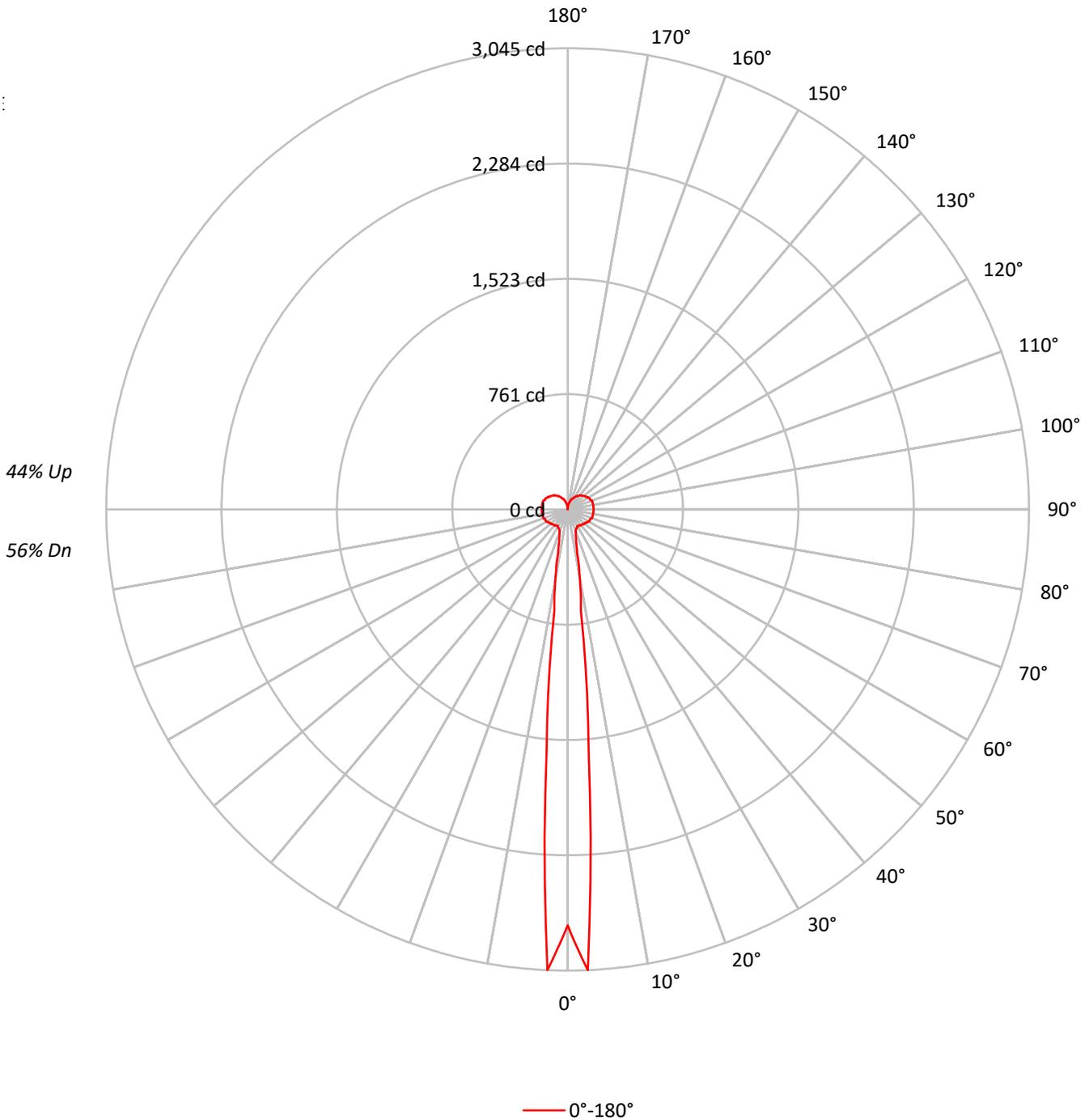
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1985.0 lumens
Efficiency: N/A
Efficacy: 40.8 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°	86892
5°	39345
10°	9368
15°	3713
20°	2353
25°	1882
30°	1613
35°	1496
40°	1500
45°	1425
50°	1452
55°	1487
60°	1533
65°	1508
70°	1574
75°	1572
80°	1583
85°	1606

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1642 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	5.9
10°-20°	66.2	3.3
20°-30°	64.4	3.2
30°-40°	82.5	4.2
40°-50°	108.3	5.5
50°-60°	136.0	6.8
60°-70°	162.0	8.2
70°-80°	180.5	9.1
80°-90°	186.1	9.4
90°-100°	186.1	9.4
100°-110°	180.5	9.1
110°-120°	161.0	8.1
120°-130°	132.1	6.7
130°-140°	100.9	5.1
140°-150°	67.9	3.4
150°-160°	37.3	1.9
160°-170°	15.0	0.8
170°-180°	1.8	0.1
0°-30°	246.9	12.4
0°-40°	329.5	16.6
0°-60°	573.7	28.9
0°-90°	1102.3	55.5
90°-120°	527.6	26.6
90°-150°	828.5	41.7
90°-180°	883.0	44.5
0°-180°	1985.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2747	
5°	1595	116
15°	213	66
25°	136	64
35°	128	83
45°	136	108
55°	154	136
65°	162	162
75°	171	180
85°	171	139
90°	171	94
95°	171	139
105°	171	180
115°	162	161
125°	145	132
135°	128	101
145°	111	68
155°	77	37
165°	51	15
175°	8	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2746.6
2.5°	3045.1
5°	1595.1
7.5°	673.9
10°	460.6
12.5°	290.0
15°	213.2
17.5°	179.1
20°	153.5
22.5°	145.0
25°	136.5
27.5°	136.5
30°	127.9
32.5°	127.9
35°	127.9
37.5°	136.5
40°	136.5
42.5°	136.5
45°	136.5
47.5°	145.0
50°	145.0
52.5°	145.0
55°	153.5
57.5°	153.5
60°	162.1
62.5°	162.1
65°	162.1
67.5°	162.1
70°	170.6
72.5°	170.6
75°	170.6
77.5°	170.6
80°	170.6
82.5°	170.6
85°	170.6
87.5°	170.6
90°	170.6
92.5°	170.6
95°	170.6
97.5°	170.6
100°	170.6
102.5°	170.6
105°	170.6
107.5°	170.6
110°	170.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	162.1
115°	162.1
117.5°	162.1
120°	153.5
122.5°	153.5
125°	145.0
127.5°	145.0
130°	136.5
132.5°	136.5
135°	127.9
137.5°	127.9
140°	119.4
142.5°	110.9
145°	110.9
147.5°	102.4
150°	93.8
152.5°	85.3
155°	76.8
157.5°	76.8
160°	68.2
162.5°	59.7
165°	51.2
167.5°	42.6
170°	34.1
172.5°	25.6
175°	8.5
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	8.8	9.9	9.7	10.8	12.0	8.8	9.9	9.7	10.8	12.0
	3H	11.9	12.8	12.8	13.8	15.0	11.9	12.8	12.8	13.8	15.0
	4H	13.4	14.3	14.3	15.2	16.4	13.4	14.3	14.3	15.2	16.4
	6H	14.8	15.7	15.7	16.6	17.8	14.8	15.7	15.7	16.6	17.8
	8H	15.5	16.3	16.4	17.3	18.5	15.5	16.3	16.4	17.3	18.5
	12H	16.2	16.9	17.1	17.9	19.2	16.2	16.9	17.1	17.9	19.2
4H	2H	9.6	10.5	10.5	11.5	12.7	9.6	10.5	10.5	11.5	12.7
	3H	12.9	13.7	13.8	14.6	15.9	12.9	13.7	13.8	14.6	15.9
	4H	14.5	15.2	15.4	16.2	17.5	14.5	15.2	15.4	16.2	17.5
	6H	16.1	16.8	17.0	17.7	19.0	16.1	16.8	17.0	17.7	19.0
	8H	16.9	17.5	17.8	18.5	19.7	16.9	17.5	17.8	18.5	19.7
	12H	17.6	18.2	18.6	19.2	20.5	17.6	18.2	18.6	19.2	20.5
8H	4H	15.0	15.7	16.0	16.6	17.9	15.0	15.7	16.0	16.6	17.9
	6H	16.8	17.4	17.8	18.4	19.6	16.8	17.4	17.8	18.4	19.6
	8H	17.7	18.2	18.7	19.2	20.5	17.7	18.2	18.7	19.2	20.5
	12H	18.7	19.1	19.7	20.1	21.4	18.7	19.1	19.7	20.1	21.4
12H	4H	15.1	15.7	16.1	16.7	18.0	15.1	15.7	16.1	16.7	18.0
	6H	17.0	17.5	18.0	18.5	19.8	17.0	17.5	18.0	18.5	19.8
	8H	18.0	18.4	19.0	19.4	20.8	18.0	18.4	19.0	19.4	20.8

(END OF REPORT)