

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: P1245018

Luminaire Tested: PRLX-NIM-L-927-16L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245018
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-927-16L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

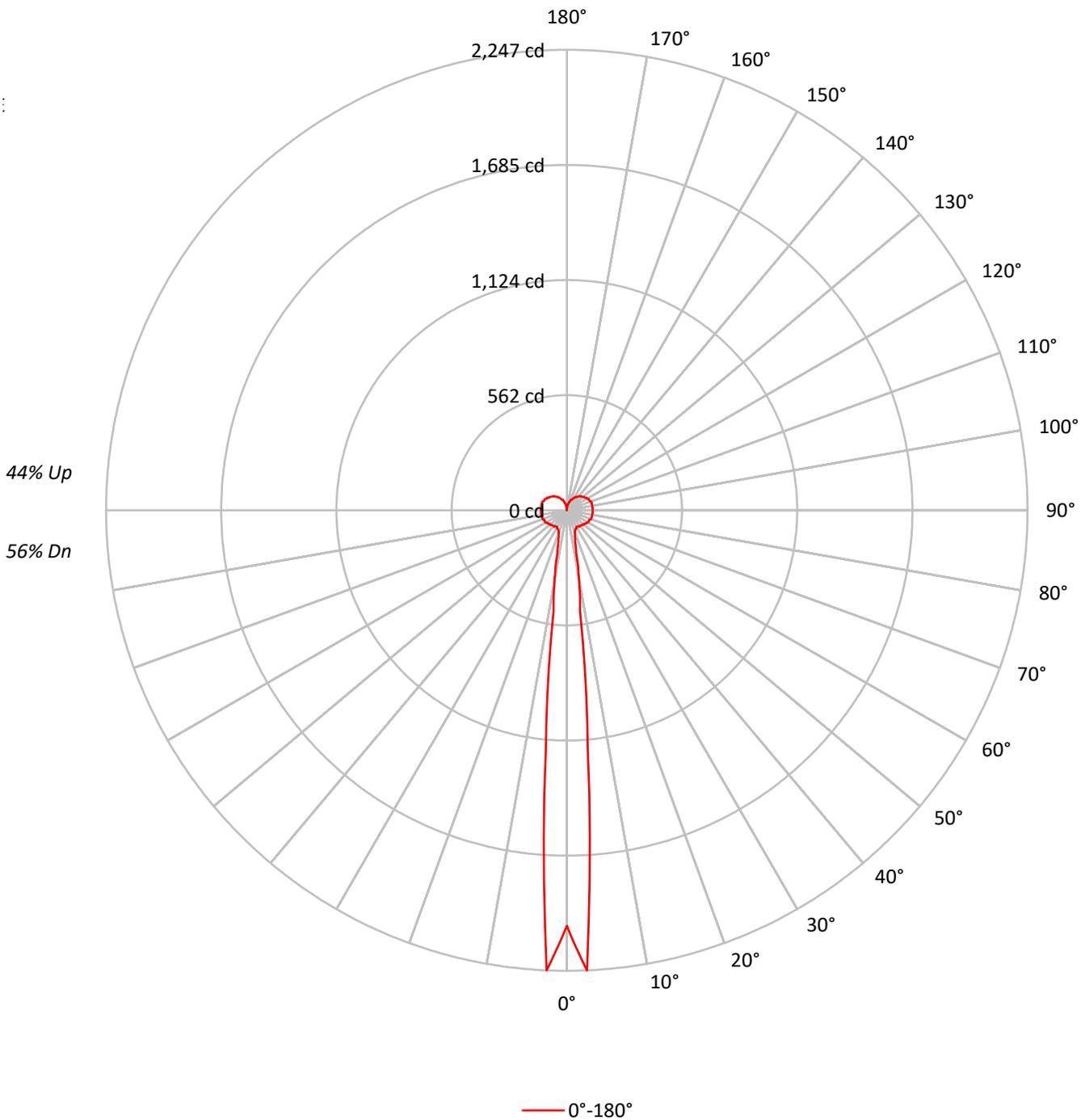
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1464.9 lumens
Efficiency: N/A
Efficacy: 37.8 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): 38.8
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°	64130
5°	29037
10°	6913
15°	2741
20°	1737
25°	1388
30°	1190
35°	1105
40°	1107
45°	1051
50°	1071
55°	1098
60°	1131
65°	1113
70°	1161
75°	1160
80°	1168
85°	1185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1212 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	5.9
10°-20°	48.8	3.3
20°-30°	47.5	3.2
30°-40°	60.9	4.2
40°-50°	79.9	5.5
50°-60°	100.3	6.9
60°-70°	119.5	8.2
70°-80°	133.2	9.1
80°-90°	137.4	9.4
90°-100°	137.4	9.4
100°-110°	133.2	9.1
110°-120°	118.8	8.1
120°-130°	97.5	6.7
130°-140°	74.5	5.1
140°-150°	50.1	3.4
150°-160°	27.6	1.9
160°-170°	11.1	0.8
170°-180°	1.4	0.1
0°-30°	182.2	12.4
0°-40°	243.1	16.6
0°-60°	423.4	28.9
0°-90°	813.5	55.5
90°-120°	389.3	26.6
90°-150°	611.4	41.7
90°-180°	651.0	44.4
0°-180°	1464.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2027	
5°	1177	86
15°	157	49
25°	101	47
35°	94	61
45°	101	80
55°	113	100
65°	120	120
75°	126	133
85°	126	103
90°	126	69
95°	126	103
105°	126	133
115°	120	119
125°	107	98
135°	94	74
145°	82	50
155°	57	28
165°	38	11
175°	6	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2027.1
2.5°	2247.4
5°	1177.2
7.5°	497.3
10°	339.9
12.5°	214.0
15°	157.4
17.5°	132.2
20°	113.3
22.5°	107.0
25°	100.7
27.5°	100.7
30°	94.4
32.5°	94.4
35°	94.4
37.5°	100.7
40°	100.7
42.5°	100.7
45°	100.7
47.5°	107.0
50°	107.0
52.5°	107.0
55°	113.3
57.5°	113.3
60°	119.6
62.5°	119.6
65°	119.6
67.5°	119.6
70°	125.9
72.5°	125.9
75°	125.9
77.5°	125.9
80°	125.9
82.5°	125.9
85°	125.9
87.5°	125.9
90°	125.9
92.5°	125.9
95°	125.9
97.5°	125.9
100°	125.9
102.5°	125.9
105°	125.9
107.5°	125.9
110°	125.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	119.6
115°	119.6
117.5°	119.6
120°	113.3
122.5°	113.3
125°	107.0
127.5°	107.0
130°	100.7
132.5°	100.7
135°	94.4
137.5°	94.4
140°	88.1
142.5°	81.8
145°	81.8
147.5°	75.5
150°	69.2
152.5°	63.0
155°	56.7
157.5°	56.7
160°	50.4
162.5°	44.1
165°	37.8
167.5°	31.5
170°	25.2
172.5°	18.9
175°	6.3
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	7.8	8.8	8.7	9.7	10.9	7.8	8.8	8.7	9.7	10.9
	3H	10.8	11.8	11.7	12.7	13.9	10.8	11.8	11.7	12.7	13.9
	4H	12.3	13.2	13.2	14.2	15.4	12.3	13.2	13.2	14.2	15.4
	6H	13.8	14.6	14.7	15.6	16.8	13.8	14.6	14.7	15.6	16.8
	8H	14.4	15.3	15.4	16.2	17.4	14.4	15.3	15.4	16.2	17.4
	12H	15.1	15.9	16.0	16.8	18.1	15.1	15.9	16.0	16.8	18.1
4H	2H	8.6	9.5	9.5	10.4	11.6	8.6	9.5	9.5	10.4	11.6
	3H	11.8	12.6	12.8	13.6	14.8	11.8	12.6	12.8	13.6	14.8
	4H	13.5	14.2	14.4	15.1	16.4	13.5	14.2	14.4	15.1	16.4
	6H	15.0	15.7	16.0	16.7	17.9	15.0	15.7	16.0	16.7	17.9
	8H	15.8	16.4	16.8	17.4	18.7	15.8	16.4	16.8	17.4	18.7
	12H	16.6	17.2	17.5	18.1	19.4	16.6	17.2	17.5	18.1	19.4
8H	4H	14.0	14.6	14.9	15.6	16.8	14.0	14.6	14.9	15.6	16.8
	6H	15.8	16.3	16.7	17.3	18.6	15.8	16.3	16.7	17.3	18.6
	8H	16.7	17.2	17.7	18.2	19.4	16.7	17.2	17.7	18.2	19.4
	12H	17.6	18.1	18.6	19.1	20.4	17.6	18.1	18.6	19.1	20.4
12H	4H	14.1	14.7	15.1	15.6	16.9	14.1	14.7	15.1	15.6	16.9
	6H	16.0	16.4	16.9	17.4	18.7	16.0	16.4	16.9	17.4	18.7
	8H	17.0	17.4	17.9	18.4	19.7	17.0	17.4	17.9	18.4	19.7

(END OF REPORT)