

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: P1245310

Luminaire Tested: PRLX-UNA-L-927-27L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-927-27L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

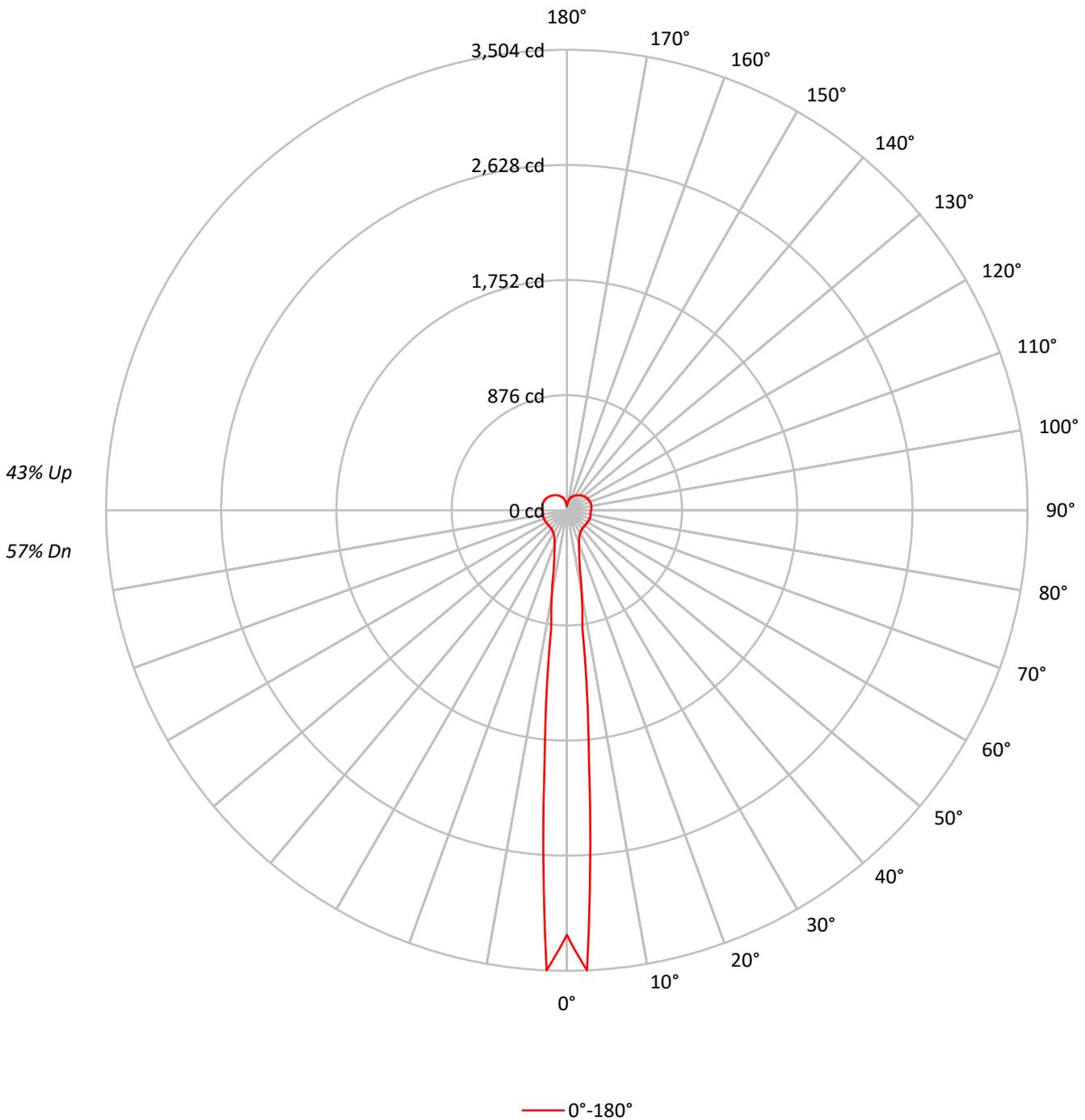
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2400.9 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 69.4
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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	57
1	96	90	85	80	88	83	79	75	71	68	64		60	57	55		49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51		51	47	44		42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43		45	40	37		37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37		40	35	31		33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32		36	31	28		30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28		33	28	25		28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25		31	26	22		26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23		29	24	20		24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21		27	22	19		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	21	17		22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102160
5°	47882
10°	13459
15°	6324
20°	4167
25°	3095
30°	2547
35°	2224
40°	2007
45°	1884
50°	1796
55°	1749
60°	1716
65°	1709
70°	1705
75°	1712
80°	1694
85°	1719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1884 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	6.0
10°-20°	107.9	4.5
20°-30°	105.2	4.4
30°-40°	119.7	5.0
40°-50°	139.8	5.8
50°-60°	162.2	6.8
60°-70°	182.2	7.6
70°-80°	195.7	8.2
80°-90°	199.8	8.3
90°-100°	205.0	8.5
100°-110°	200.6	8.4
110°-120°	183.3	7.6
120°-130°	156.3	6.5
130°-140°	123.2	5.1
140°-150°	88.1	3.7
150°-160°	55.4	2.3
160°-170°	27.0	1.1
170°-180°	5.5	0.2
0°-30°	357.0	14.9
0°-40°	476.7	19.9
0°-60°	778.7	32.4
0°-90°	1356.5	56.5
90°-120°	588.9	24.5
90°-150°	956.5	39.8
90°-180°	1044.0	43.5
0°-180°	2400.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3229	
5°	1941	144
15°	363	108
25°	224	105
35°	190	120
45°	180	140
55°	180	162
65°	184	182
75°	186	196
85°	183	149
90°	185	101
95°	188	154
105°	190	201
115°	185	183
125°	174	156
135°	159	123
145°	140	88
155°	119	55
165°	94	27
175°	49	6
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3229.2
2.5°	3504.2
5°	1941.2
7.5°	900.2
10°	661.7
12.5°	455.5
15°	363.1
17.5°	309.4
20°	271.8
22.5°	243.9
25°	224.5
27.5°	211.6
30°	202.0
32.5°	195.5
35°	190.1
37.5°	185.8
40°	182.6
42.5°	181.5
45°	180.5
47.5°	179.4
50°	179.4
52.5°	180.5
55°	180.5
57.5°	181.5
60°	181.5
62.5°	182.6
65°	183.7
67.5°	184.8
70°	184.8
72.5°	185.8
75°	185.8
77.5°	184.8
80°	182.6
82.5°	182.6
85°	182.6
87.5°	183.7
90°	184.8
92.5°	186.9
95°	188.0
97.5°	189.1
100°	190.1
102.5°	190.1
105°	190.1
107.5°	189.1
110°	188.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	186.9
115°	184.8
117.5°	182.6
120°	180.5
122.5°	177.3
125°	174.0
127.5°	170.8
130°	167.6
132.5°	163.3
135°	159.0
137.5°	154.7
140°	149.3
142.5°	145.0
145°	139.7
147.5°	135.4
150°	130.0
152.5°	124.6
155°	119.2
157.5°	113.9
160°	107.4
162.5°	102.1
165°	94.5
167.5°	85.9
170°	75.2
172.5°	63.4
175°	49.4
177.5°	36.5
180°	32.2



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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	9.4	10.4	10.2	11.3	12.5	9.4	10.4	10.2	11.3	12.5
	3H	12.2	13.1	13.1	14.1	15.2	12.2	13.1	13.1	14.1	15.2
	4H	13.6	14.5	14.5	15.4	16.6	13.6	14.5	14.5	15.4	16.6
	6H	14.9	15.8	15.8	16.7	17.9	14.9	15.8	15.8	16.7	17.9
	8H	15.6	16.4	16.5	17.3	18.5	15.6	16.4	16.5	17.3	18.5
	12H	16.2	16.9	17.1	17.9	19.1	16.2	16.9	17.1	17.9	19.1
4H	2H	10.1	11.0	11.0	11.9	13.1	10.1	11.0	11.0	11.9	13.1
	3H	13.1	13.9	14.0	14.8	16.1	13.1	13.9	14.0	14.8	16.1
	4H	14.6	15.4	15.6	16.3	17.6	14.6	15.4	15.6	16.3	17.6
	6H	16.2	16.8	17.1	17.8	19.0	16.2	16.8	17.1	17.8	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	20.4	17.6	18.2	18.6	19.2	20.4
8H	4H	15.1	15.7	16.1	16.7	18.0	15.1	15.7	16.1	16.7	18.0
	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	18.6	19.1	19.6	20.0	21.4	18.6	19.1	19.6	20.0	21.4
12H	4H	15.2	15.8	16.2	16.8	18.0	15.2	15.8	16.2	16.8	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	20.7	18.0	18.4	19.0	19.4	20.7

(END OF REPORT)