

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: P1245081

Luminaire Tested: PRLX-NIM-L-935-16L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245081
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-935-16L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

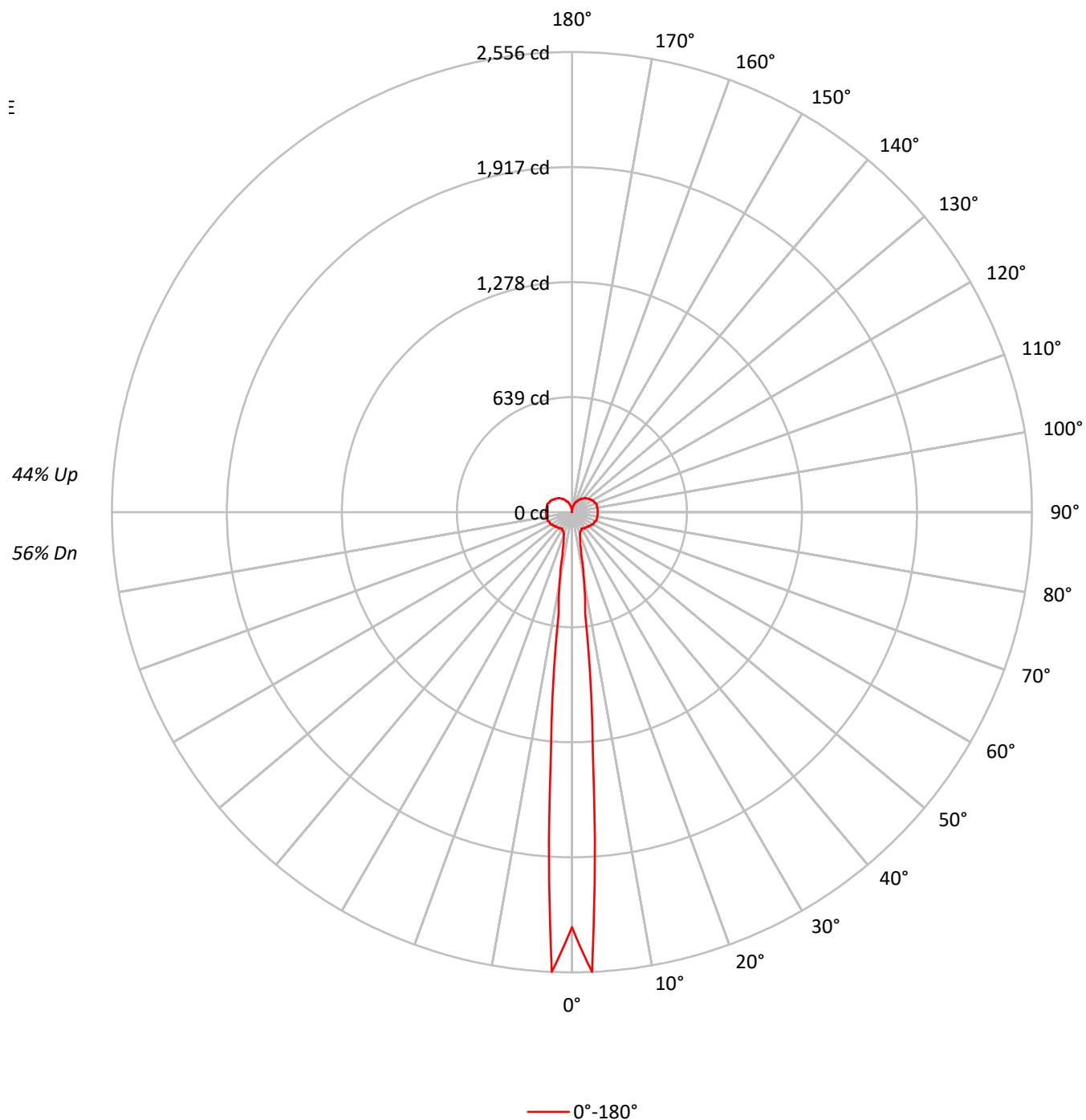
Lumens per Lamp: N/A
Luminaire Lumens: 1666.0 lumens
Efficiency: N/A
Efficacy: 42.9 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
Input Voltage (V): NR
Input Current (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				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°	72928
5°	33020
10°	7863
15°	3118
20°	1976
25°	1578
30°	1354
35°	1257
40°	1259
45°	1195
50°	1218
55°	1249
60°	1286
65°	1265
70°	1321
75°	1320
80°	1329
85°	1348

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 1379 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	5.9
10°-20°	55.5	3.3
20°-30°	54.0	3.2
30°-40°	69.3	4.2
40°-50°	90.9	5.5
50°-60°	114.1	6.9
60°-70°	135.9	8.2
70°-80°	151.5	9.1
80°-90°	156.2	9.4
90°-100°	156.2	9.4
100°-110°	151.5	9.1
110°-120°	135.1	8.1
120°-130°	110.9	6.7
130°-140°	84.7	5.1
140°-150°	57.0	3.4
150°-160°	31.3	1.9
160°-170°	12.6	0.8
170°-180°	1.5	0.1
0°-30°	207.3	12.4
0°-40°	276.5	16.6
0°-60°	481.5	28.9
0°-90°	925.2	55.5
90°-120°	442.8	26.6
90°-150°	695.4	41.7
90°-180°	741.0	44.5
0°-180°	1666.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2305	
5°	1339	98
15°	179	56
25°	114	54
35°	107	69
45°	114	91
55°	129	114
65°	136	136
75°	143	151
85°	143	117
90°	143	78
95°	143	117
105°	143	151
115°	136	135
125°	122	111
135°	107	85
145°	93	57
155°	64	31
165°	43	13
175°	7	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2305.2
2.5°	2555.8
5°	1338.7
7.5°	565.6
10°	386.6
12.5°	243.4
15°	179.0
17.5°	150.3
20°	128.9
22.5°	121.7
25°	114.5
27.5°	114.5
30°	107.4
32.5°	107.4
35°	107.4
37.5°	114.5
40°	114.5
42.5°	114.5
45°	114.5
47.5°	121.7
50°	121.7
52.5°	121.7
55°	128.9
57.5°	128.9
60°	136.0
62.5°	136.0
65°	136.0
67.5°	136.0
70°	143.2
72.5°	143.2
75°	143.2
77.5°	143.2
80°	143.2
82.5°	143.2
85°	143.2
87.5°	143.2
90°	143.2
92.5°	143.2
95°	143.2
97.5°	143.2
100°	143.2
102.5°	143.2
105°	143.2
107.5°	143.2
110°	143.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	136.0
115°	136.0
117.5°	136.0
120°	128.9
122.5°	128.9
125°	121.7
127.5°	121.7
130°	114.5
132.5°	114.5
135°	107.4
137.5°	107.4
140°	100.2
142.5°	93.1
145°	93.1
147.5°	85.9
150°	78.7
152.5°	71.6
155°	64.4
157.5°	64.4
160°	57.3
162.5°	50.1
165°	43.0
167.5°	35.8
170°	28.6
172.5°	21.5
175°	7.2
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	8.2	9.3	9.1	10.2	11.4	8.2	9.3	9.1	10.2	11.4
	3H	11.3	12.2	12.2	13.2	14.4	11.3	12.2	12.2	13.2	14.4
	4H	12.8	13.7	13.7	14.6	15.8	12.8	13.7	13.7	14.6	15.8
	6H	14.2	15.1	15.1	16.0	17.2	14.2	15.1	15.1	16.0	17.2
	8H	14.9	15.7	15.8	16.7	17.9	14.9	15.7	15.8	16.7	17.9
	12H	15.6	16.3	16.5	17.3	18.5	15.6	16.3	16.5	17.3	18.5
4H	2H	9.0	9.9	9.9	10.9	12.1	9.0	9.9	9.9	10.9	12.1
	3H	12.3	13.1	13.2	14.0	15.3	12.3	13.1	13.2	14.0	15.3
	4H	13.9	14.6	14.8	15.6	16.8	13.9	14.6	14.8	15.6	16.8
	6H	15.5	16.2	16.4	17.1	18.4	15.5	16.2	16.4	17.1	18.4
	8H	16.3	16.9	17.2	17.9	19.1	16.3	16.9	17.2	17.9	19.1
	12H	17.0	17.6	18.0	18.6	19.9	17.0	17.6	18.0	18.6	19.9
8H	4H	14.4	15.0	15.4	16.0	17.3	14.4	15.0	15.4	16.0	17.3
	6H	16.2	16.8	17.2	17.8	19.0	16.2	16.8	17.2	17.8	19.0
	8H	17.1	17.6	18.1	18.6	19.9	17.1	17.6	18.1	18.6	19.9
	12H	18.1	18.5	19.1	19.5	20.8	18.1	18.5	19.1	19.5	20.8
12H	4H	14.5	15.1	15.5	16.1	17.4	14.5	15.1	15.5	16.1	17.4
	6H	16.4	16.9	17.4	17.9	19.2	16.4	16.9	17.4	17.9	19.2
	8H	17.4	17.8	18.4	18.8	20.1	17.4	17.8	18.4	18.8	20.1

(END OF REPORT)