

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: P1245092

Luminaire Tested: PRLX-NIM-L-935-27L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245092
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-935-27L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

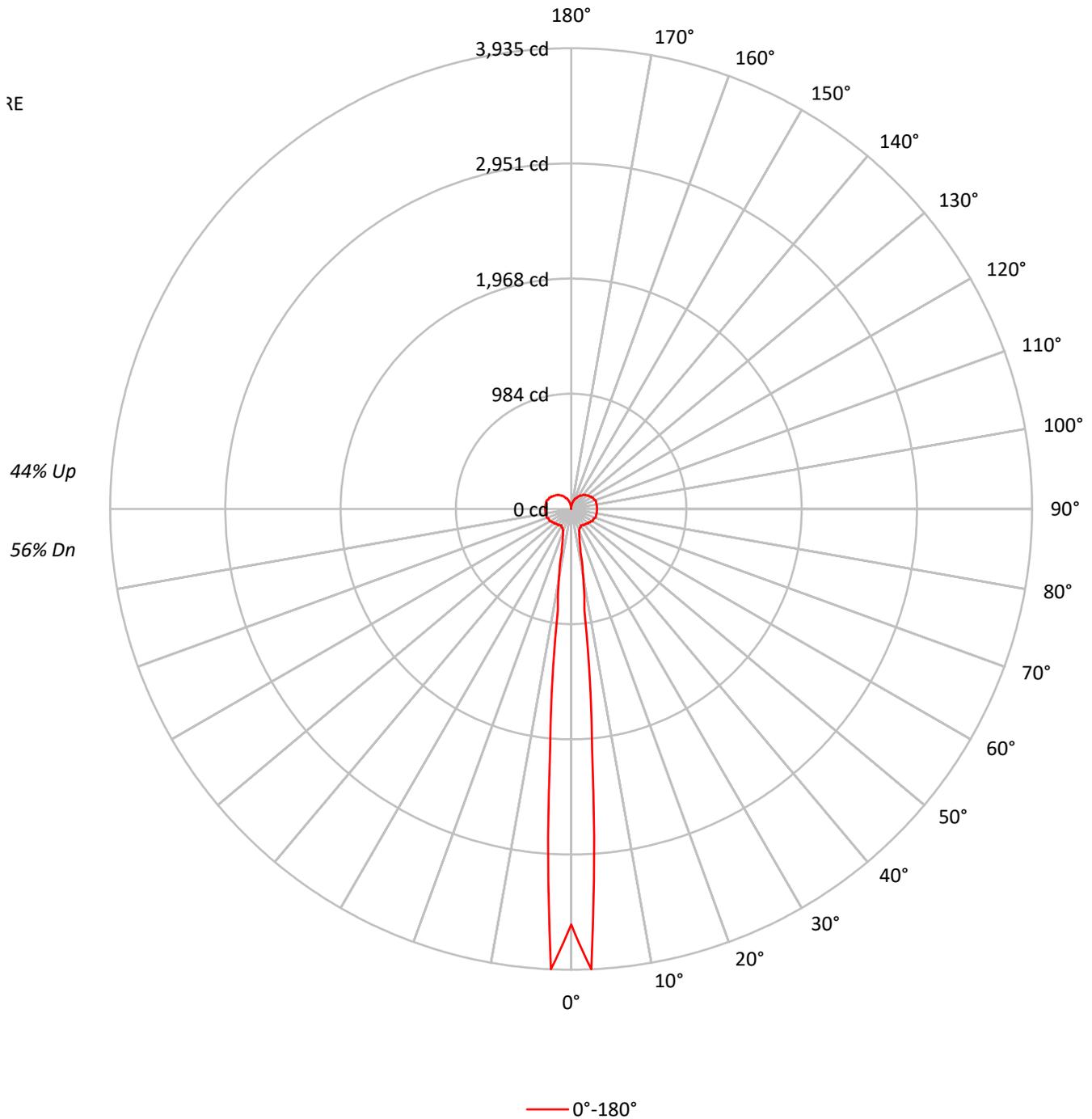
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2564.9 lumens
Efficiency: N/A
Efficacy: 37.0 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): 69.4
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°	112281
5°	50839
10°	12106
15°	4800
20°	3042
25°	2432
30°	2084
35°	1934
40°	1939
45°	1841
50°	1876
55°	1922
60°	1980
65°	1948
70°	2033
75°	2031
80°	2045
85°	2075

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2122 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	5.9
10°-20°	85.5	3.3
20°-30°	83.2	3.2
30°-40°	106.6	4.2
40°-50°	140.0	5.5
50°-60°	175.7	6.9
60°-70°	209.3	8.2
70°-80°	233.2	9.1
80°-90°	240.5	9.4
90°-100°	240.5	9.4
100°-110°	233.2	9.1
110°-120°	207.9	8.1
120°-130°	170.8	6.7
130°-140°	130.4	5.1
140°-150°	87.8	3.4
150°-160°	48.2	1.9
160°-170°	19.4	0.8
170°-180°	2.4	0.1
0°-30°	319.1	12.4
0°-40°	425.8	16.6
0°-60°	741.5	28.9
0°-90°	1424.4	55.5
90°-120°	681.6	26.6
90°-150°	1070.5	41.7
90°-180°	1141.0	44.5
0°-180°	2564.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3549	
5°	2061	150
15°	276	86
25°	176	83
35°	165	107
45°	176	140
55°	198	176
65°	209	209
75°	220	233
85°	220	180
90°	220	121
95°	220	180
105°	220	233
115°	209	208
125°	187	171
135°	165	130
145°	143	88
155°	99	48
165°	66	19
175°	11	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3549.1
2.5°	3934.9
5°	2061.1
7.5°	870.7
10°	595.2
12.5°	374.8
15°	275.6
17.5°	231.5
20°	198.4
22.5°	187.4
25°	176.4
27.5°	176.4
30°	165.3
32.5°	165.3
35°	165.3
37.5°	176.4
40°	176.4
42.5°	176.4
45°	176.4
47.5°	187.4
50°	187.4
52.5°	187.4
55°	198.4
57.5°	198.4
60°	209.4
62.5°	209.4
65°	209.4
67.5°	209.4
70°	220.4
72.5°	220.4
75°	220.4
77.5°	220.4
80°	220.4
82.5°	220.4
85°	220.4
87.5°	220.4
90°	220.4
92.5°	220.4
95°	220.4
97.5°	220.4
100°	220.4
102.5°	220.4
105°	220.4
107.5°	220.4
110°	220.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	209.4
115°	209.4
117.5°	209.4
120°	198.4
122.5°	198.4
125°	187.4
127.5°	187.4
130°	176.4
132.5°	176.4
135°	165.3
137.5°	165.3
140°	154.3
142.5°	143.3
145°	143.3
147.5°	132.3
150°	121.2
152.5°	110.2
155°	99.2
157.5°	99.2
160°	88.2
162.5°	77.2
165°	66.1
167.5°	55.1
170°	44.1
172.5°	33.1
175°	11.0
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	9.7	10.8	10.6	11.7	12.9	9.7	10.8	10.6	11.7	12.9
	3H	12.8	13.7	13.7	14.7	15.9	12.8	13.7	13.7	14.7	15.9
	4H	14.3	15.2	15.2	16.1	17.3	14.3	15.2	15.2	16.1	17.3
	6H	15.7	16.6	16.6	17.5	18.7	15.7	16.6	16.6	17.5	18.7
	8H	16.4	17.2	17.3	18.2	19.4	16.4	17.2	17.3	18.2	19.4
	12H	17.1	17.8	18.0	18.8	20.0	17.1	17.8	18.0	18.8	20.0
4H	2H	10.5	11.4	11.4	12.4	13.6	10.5	11.4	11.4	12.4	13.6
	3H	13.8	14.6	14.7	15.5	16.8	13.8	14.6	14.7	15.5	16.8
	4H	15.4	16.1	16.3	17.1	18.3	15.4	16.1	16.3	17.1	18.3
	6H	17.0	17.7	17.9	18.6	19.9	17.0	17.7	17.9	18.6	19.9
	8H	17.8	18.4	18.7	19.4	20.6	17.8	18.4	18.7	19.4	20.6
	12H	18.5	19.1	19.5	20.1	21.4	18.5	19.1	19.5	20.1	21.4
8H	4H	15.9	16.5	16.9	17.5	18.8	15.9	16.5	16.9	17.5	18.8
	6H	17.7	18.3	18.7	19.3	20.5	17.7	18.3	18.7	19.3	20.5
	8H	18.6	19.1	19.6	20.1	21.4	18.6	19.1	19.6	20.1	21.4
	12H	19.6	20.0	20.6	21.0	22.3	19.6	20.0	20.6	21.0	22.3
12H	4H	16.0	16.6	17.0	17.6	18.9	16.0	16.6	17.0	17.6	18.9
	6H	17.9	18.4	18.9	19.4	20.7	17.9	18.4	18.9	19.4	20.7
	8H	18.9	19.3	19.9	20.3	21.6	18.9	19.3	19.9	20.3	21.6

(END OF REPORT)