

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: P1245087

Luminaire Tested: PRLX-NIM-L-935-23L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245087
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-935-23L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

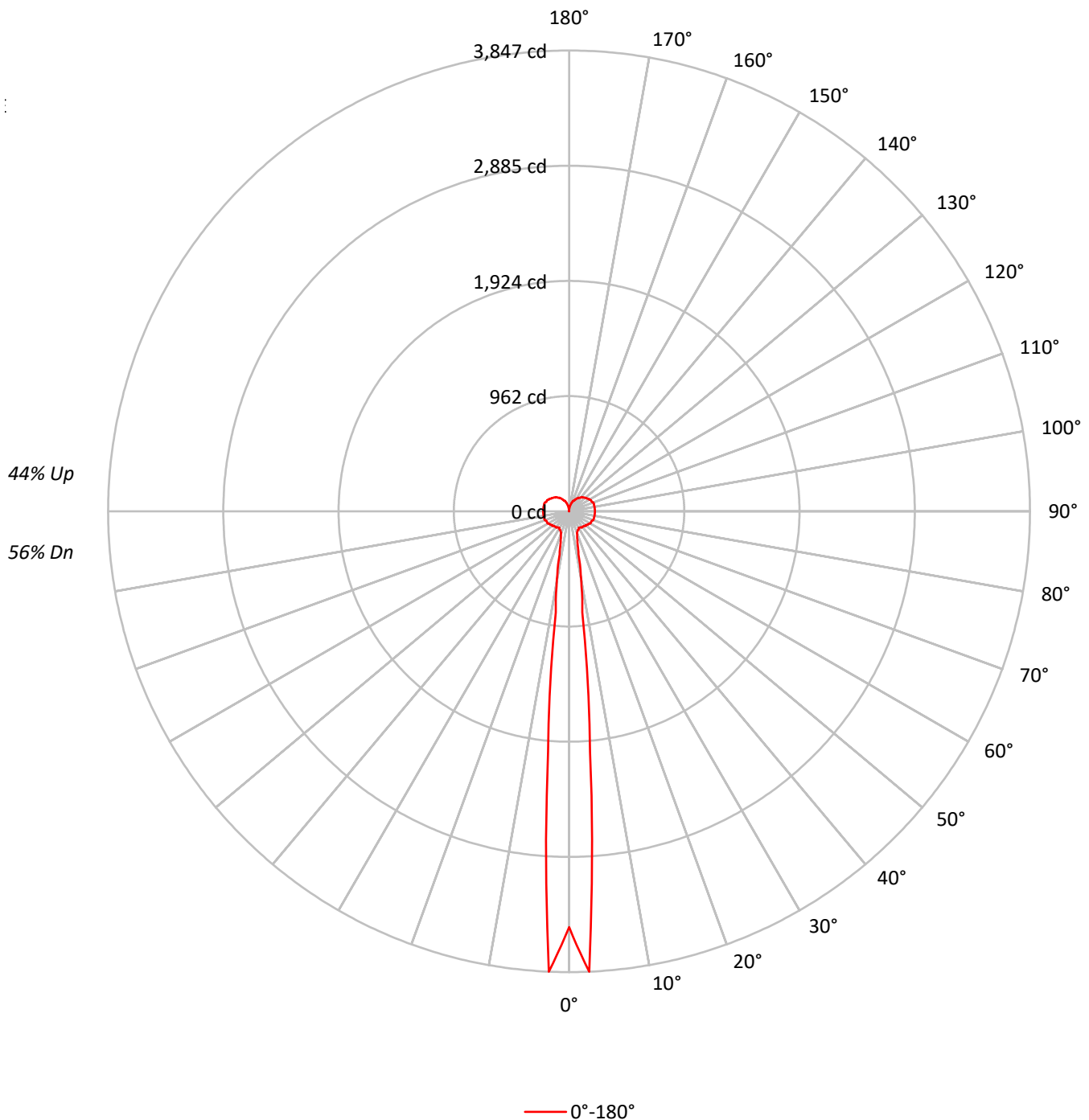
Lumens per Lamp: N/A
Luminaire Lumens: 2507.8 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 58.2
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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10	
RCR																						
0	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	
1	95	89	83	78		87	82	77	73		70	66	62		58	55	53		48	45	43	
2	85	76	68	61		78	70	63	57		59	54	49		49	45	42		40	37	34	
3	77	66	57	50		71	61	53	47		52	45	40		43	38	34		35	31	28	
4	71	58	49	42		65	54	46	40		46	39	34		38	33	29		31	27	24	
5	65	52	43	36		60	48	40	34		41	35	30		34	29	25		28	24	21	
6	60	47	38	32		55	44	36	30		37	31	26		31	26	22		26	22	19	
7	56	43	34	28		51	40	32	27		34	28	23		29	24	20		24	20	17	
8	52	39	31	25		48	36	29	24		32	25	21		27	22	18		23	19	16	
9	49	36	28	23		45	34	27	22		29	23	19		25	20	17		21	17	15	
10	46	33	26	21		43	31	25	20		27	22	18		24	19	16		20	16	14	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109784
5°	49710
10°	11838
15°	4692
20°	2974
25°	2377
30°	2039
35°	1892
40°	1895
45°	1800
50°	1834
55°	1880
60°	1937
65°	1905
70°	1988
75°	1986
80°	1999
85°	2029

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 2075 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	5.9
10°-20°	83.6	3.3
20°-30°	81.3	3.2
30°-40°	104.3	4.2
40°-50°	136.8	5.5
50°-60°	171.8	6.9
60°-70°	204.7	8.2
70°-80°	228.0	9.1
80°-90°	235.1	9.4
90°-100°	235.1	9.4
100°-110°	228.0	9.1
110°-120°	203.4	8.1
120°-130°	167.0	6.7
130°-140°	127.5	5.1
140°-150°	85.8	3.4
150°-160°	47.1	1.9
160°-170°	19.0	0.8
170°-180°	2.3	0.1
0°-30°	312.0	12.4
0°-40°	416.3	16.6
0°-60°	724.9	28.9
0°-90°	1392.7	55.5
90°-120°	666.5	26.6
90°-150°	1046.8	41.7
90°-180°	1115.0	44.5
0°-180°	2507.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3470	
5°	2015	147
15°	269	84
25°	172	81
35°	162	104
45°	172	137
55°	194	172
65°	205	205
75°	216	228
85°	216	176
90°	216	118
95°	216	176
105°	216	228
115°	205	203
125°	183	167
135°	162	128
145°	140	86
155°	97	47
165°	65	19
175°	11	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3470.2
2.5°	3847.4
5°	2015.3
7.5°	851.4
10°	582.0
12.5°	366.4
15°	269.4
17.5°	226.3
20°	194.0
22.5°	183.2
25°	172.4
27.5°	172.4
30°	161.7
32.5°	161.7
35°	161.7
37.5°	172.4
40°	172.4
42.5°	172.4
45°	172.4
47.5°	183.2
50°	183.2
52.5°	183.2
55°	194.0
57.5°	194.0
60°	204.8
62.5°	204.8
65°	204.8
67.5°	204.8
70°	215.5
72.5°	215.5
75°	215.5
77.5°	215.5
80°	215.5
82.5°	215.5
85°	215.5
87.5°	215.5
90°	215.5
92.5°	215.5
95°	215.5
97.5°	215.5
100°	215.5
102.5°	215.5
105°	215.5
107.5°	215.5
110°	215.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	204.8
115°	204.8
117.5°	204.8
120°	194.0
122.5°	194.0
125°	183.2
127.5°	183.2
130°	172.4
132.5°	172.4
135°	161.7
137.5°	161.7
140°	150.9
142.5°	140.1
145°	140.1
147.5°	129.3
150°	118.5
152.5°	107.8
155°	97.0
157.5°	97.0
160°	86.2
162.5°	75.4
165°	64.7
167.5°	53.9
170°	43.1
172.5°	32.3
175°	10.8
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	9.6	10.7	10.5	11.6	12.8	9.6	10.7	10.5	11.6	12.8
	3H	12.7	13.7	13.6	14.6	15.8	12.7	13.7	13.6	14.6	15.8
	4H	14.2	15.1	15.1	16.0	17.3	14.2	15.1	15.1	16.0	17.3
	6H	15.6	16.5	16.6	17.4	18.7	15.6	16.5	16.6	17.4	18.7
	8H	16.3	17.1	17.2	18.1	19.3	16.3	17.1	17.2	18.1	19.3
	12H	17.0	17.8	17.9	18.7	20.0	17.0	17.8	17.9	18.7	20.0
4H	2H	10.4	11.3	11.3	12.3	13.5	10.4	11.3	11.3	12.3	13.5
	3H	13.7	14.5	14.6	15.5	16.7	13.7	14.5	14.6	15.5	16.7
	4H	15.3	16.1	16.3	17.0	18.3	15.3	16.1	16.3	17.0	18.3
	6H	16.9	17.6	17.9	18.6	19.8	16.9	17.6	17.9	18.6	19.8
	8H	17.7	18.3	18.6	19.3	20.5	17.7	18.3	18.6	19.3	20.5
	12H	18.5	19.0	19.4	20.0	21.3	18.5	19.0	19.4	20.0	21.3
8H	4H	15.8	16.5	16.8	17.4	18.7	15.8	16.5	16.8	17.4	18.7
	6H	17.6	18.2	18.6	19.2	20.4	17.6	18.2	18.6	19.2	20.4
	8H	18.6	19.0	19.5	20.0	21.3	18.6	19.0	19.5	20.0	21.3
	12H	19.5	19.9	20.5	20.9	22.2	19.5	19.9	20.5	20.9	22.2
12H	4H	16.0	16.5	16.9	17.5	18.8	16.0	16.5	16.9	17.5	18.8
	6H	17.8	18.3	18.8	19.3	20.6	17.8	18.3	18.8	19.3	20.6
	8H	18.8	19.3	19.8	20.3	21.6	18.8	19.3	19.8	20.3	21.6

(END OF REPORT)