

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: P1244851

Luminaire Tested: PRLX-MIN-L-935-23L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-935-23L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

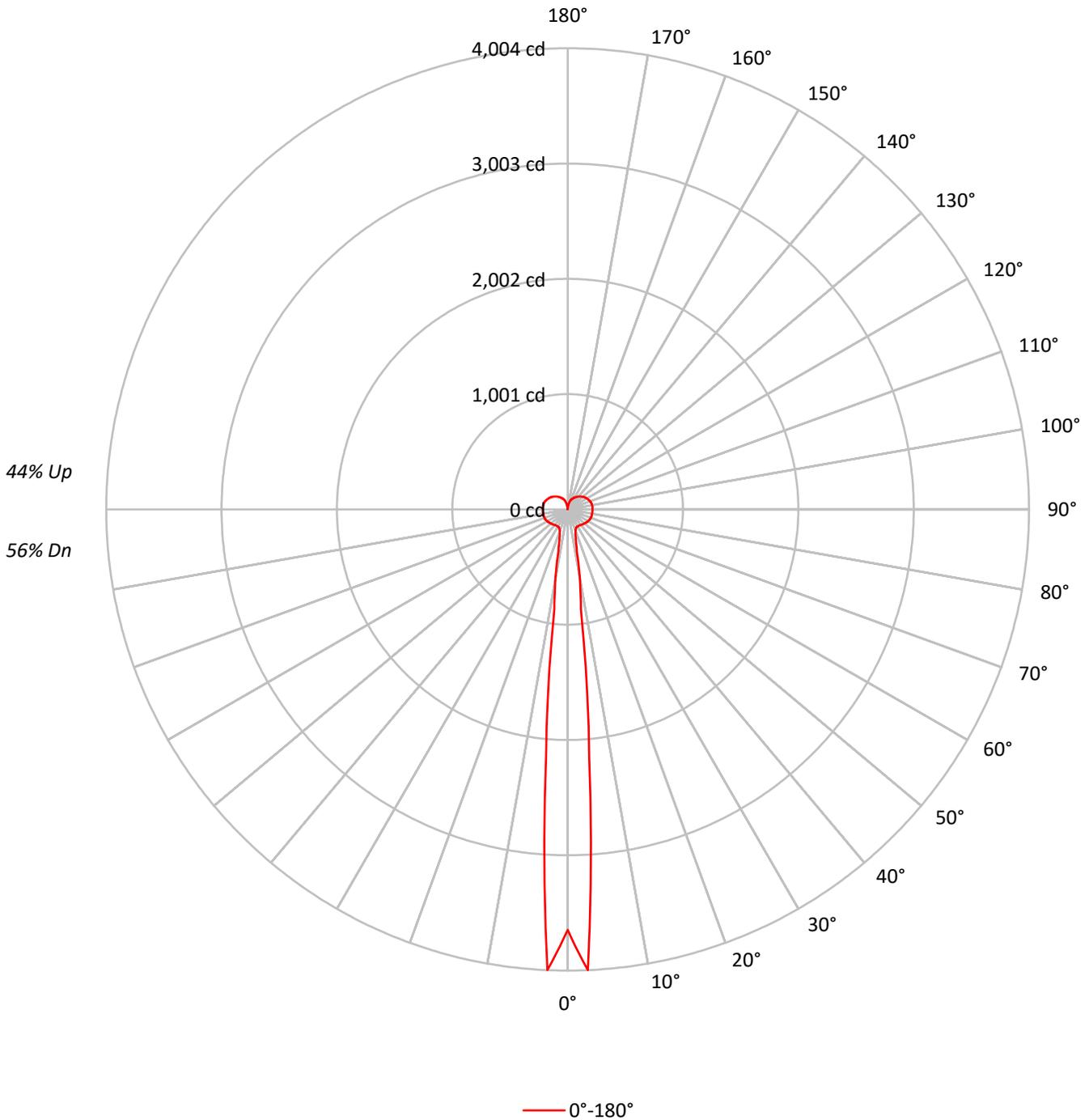
Lumens per Lamp: N/A
Luminaire Lumens: 2518.0 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (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	56
1	95	89	83	78	88	82	77	73	70	66	63		59	56	53		48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50		50	46	42		41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41		43	39	35		36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	36	60	48	40	34	41	35	30		35	30	26		29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26		32	27	23		27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24		29	24	21		25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21		27	22	19		23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20		26	21	17		22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18		24	19	16		21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115469
5°	52951
10°	12342
15°	4711
20°	3043
25°	2422
30°	2152
35°	2011
40°	1946
45°	1913
50°	1898
55°	1911
60°	1924
65°	1953
70°	1971
75°	1992
80°	1994
85°	2035

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2082 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.0	6.1
10°-20°	84.8	3.4
20°-30°	82.6	3.3
30°-40°	108.4	4.3
40°-50°	142.1	5.6
50°-60°	176.9	7.0
60°-70°	208.1	8.3
70°-80°	227.5	9.0
80°-90°	235.4	9.3
90°-100°	235.7	9.4
100°-110°	224.1	8.9
110°-120°	198.2	7.9
120°-130°	163.2	6.5
130°-140°	123.2	4.9
140°-150°	83.2	3.3
150°-160°	48.7	1.9
160°-170°	20.1	0.8
170°-180°	2.0	0.1
0°-30°	321.3	12.8
0°-40°	429.7	17.1
0°-60°	748.7	29.7
0°-90°	1419.6	56.4
90°-120°	658.0	26.1
90°-150°	1027.6	40.8
90°-180°	1098.0	43.6
0°-180°	2518.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3650	
5°	2147	154
15°	270	85
25°	176	83
35°	172	108
45°	183	142
55°	197	177
65°	210	208
75°	216	228
85°	216	176
90°	216	119
95°	216	176
105°	212	224
115°	200	198
125°	182	163
135°	159	123
145°	132	83
155°	105	49
165°	71	20
175°	10	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3649.9
2.5°	4003.8
5°	2146.7
7.5°	873.6
10°	606.8
12.5°	371.7
15°	270.5
17.5°	225.0
20°	198.5
22.5°	184.6
25°	175.7
27.5°	171.9
30°	170.7
32.5°	170.7
35°	171.9
37.5°	173.2
40°	177.0
42.5°	179.5
45°	183.3
47.5°	187.1
50°	189.6
52.5°	193.4
55°	197.2
57.5°	201.0
60°	203.5
62.5°	207.3
65°	209.9
67.5°	212.4
70°	213.7
72.5°	214.9
75°	216.2
77.5°	214.9
80°	214.9
82.5°	214.9
85°	216.2
87.5°	216.2
90°	216.2
92.5°	216.2
95°	216.2
97.5°	216.2
100°	214.9
102.5°	213.7
105°	212.4
107.5°	209.9
110°	207.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	203.5
115°	199.7
117.5°	196.0
120°	190.9
122.5°	187.1
125°	182.1
127.5°	177.0
130°	170.7
132.5°	165.6
135°	159.3
137.5°	151.7
140°	145.4
142.5°	139.1
145°	131.5
147.5°	125.2
150°	118.8
152.5°	111.3
155°	104.9
157.5°	97.3
160°	89.8
162.5°	80.9
165°	70.8
167.5°	56.9
170°	39.2
172.5°	24.0
175°	10.1
177.5°	2.5
180°	1.3



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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	9.9	10.9	10.8	11.8	13.0	9.9	10.9	10.8	11.8	13.0
	3H	12.9	13.8	13.8	14.8	15.9	12.9	13.8	13.8	14.8	15.9
	4H	14.3	15.2	15.2	16.2	17.4	14.3	15.2	15.2	16.2	17.4
	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	18.1	19.4	16.4	17.2	17.3	18.1	19.4
	12H	17.0	17.8	18.0	18.8	20.0	17.0	17.8	18.0	18.8	20.0
4H	2H	10.7	11.6	11.6	12.5	13.7	10.7	11.6	11.6	12.5	13.7
	3H	13.8	14.6	14.7	15.6	16.8	13.8	14.6	14.7	15.6	16.8
	4H	15.4	16.2	16.3	17.1	18.3	15.4	16.2	16.3	17.1	18.3
	6H	17.0	17.6	17.9	18.6	19.8	17.0	17.6	17.9	18.6	19.8
	8H	17.7	18.3	18.7	19.3	20.6	17.7	18.3	18.7	19.3	20.6
	12H	18.5	19.1	19.4	20.0	21.3	18.5	19.1	19.4	20.0	21.3
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	18.2	18.6	19.2	20.5	17.7	18.2	18.6	19.2	20.5
	8H	18.6	19.1	19.6	20.1	21.3	18.6	19.1	19.6	20.1	21.3
	12H	19.5	20.0	20.5	20.9	22.3	19.5	20.0	20.5	20.9	22.3
12H	4H	16.0	16.6	17.0	17.6	18.8	16.0	16.6	17.0	17.6	18.8
	6H	17.9	18.3	18.8	19.3	20.6	17.9	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)