

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: P1245088

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245088
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-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

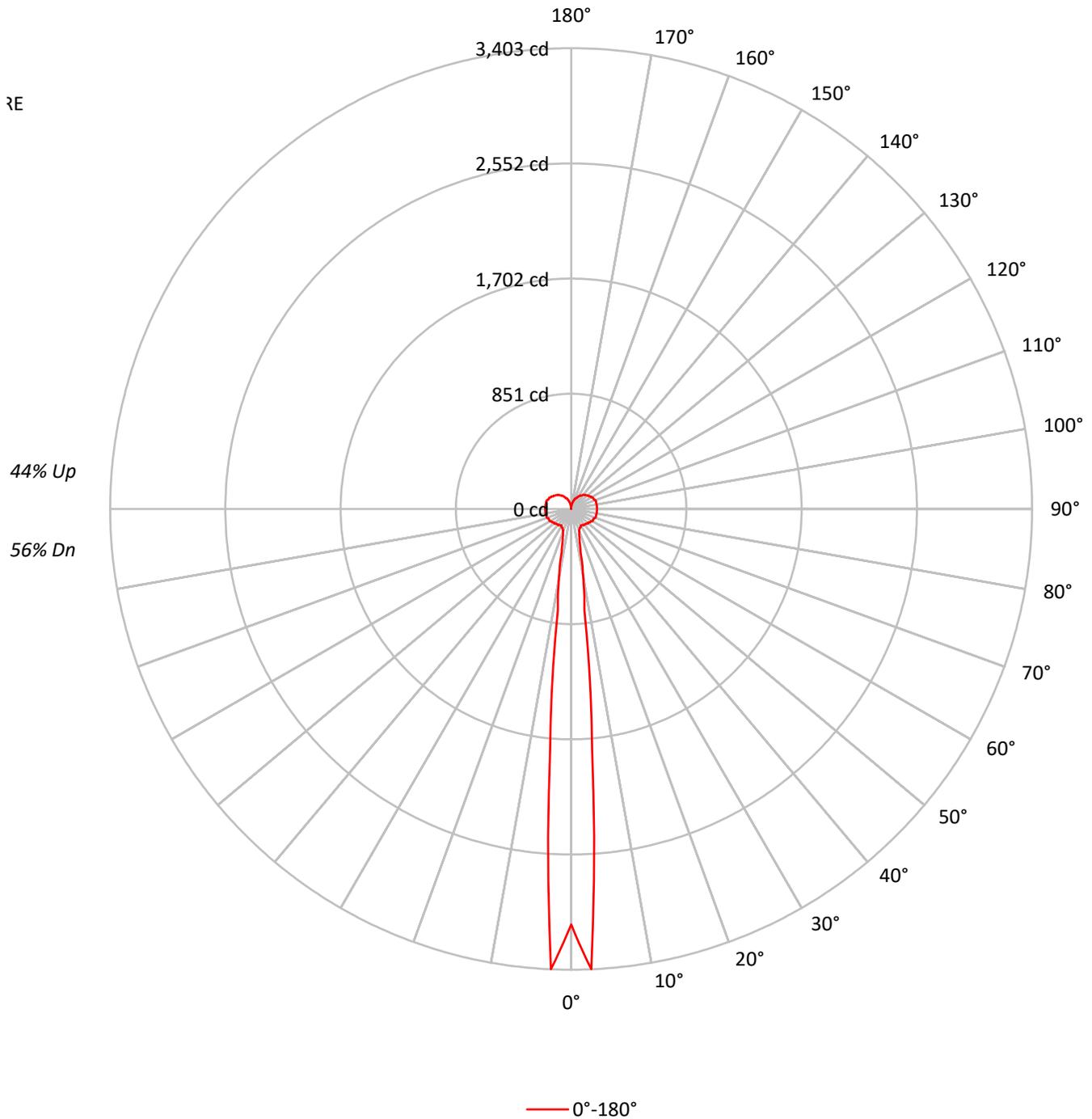
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2218.0 lumens
Efficiency: N/A
Efficacy: 38.1 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	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°	97092
5°	43962
10°	10469
15°	4150
20°	2631
25°	2102
30°	1803
35°	1673
40°	1676
45°	1592
50°	1622
55°	1663
60°	1712
65°	1685
70°	1758
75°	1757
80°	1768
85°	1794

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1835 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	5.9
10°-20°	74.0	3.3
20°-30°	71.9	3.2
30°-40°	92.2	4.2
40°-50°	121.0	5.5
50°-60°	152.0	6.9
60°-70°	181.0	8.2
70°-80°	201.6	9.1
80°-90°	208.0	9.4
90°-100°	208.0	9.4
100°-110°	201.6	9.1
110°-120°	179.8	8.1
120°-130°	147.7	6.7
130°-140°	112.8	5.1
140°-150°	75.9	3.4
150°-160°	41.7	1.9
160°-170°	16.8	0.8
170°-180°	2.0	0.1
0°-30°	276.0	12.4
0°-40°	368.2	16.6
0°-60°	641.1	28.9
0°-90°	1231.7	55.5
90°-120°	589.4	26.6
90°-150°	925.8	41.7
90°-180°	986.0	44.5
0°-180°	2218.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3069	
5°	1782	130
15°	238	74
25°	152	72
35°	143	92
45°	152	121
55°	172	152
65°	181	181
75°	191	202
85°	191	156
90°	191	104
95°	191	156
105°	191	202
115°	181	180
125°	162	148
135°	143	113
145°	124	76
155°	86	42
165°	57	17
175°	10	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3069.0
2.5°	3402.6
5°	1782.3
7.5°	752.9
10°	514.7
12.5°	324.1
15°	238.3
17.5°	200.2
20°	171.6
22.5°	162.0
25°	152.5
27.5°	152.5
30°	143.0
32.5°	143.0
35°	143.0
37.5°	152.5
40°	152.5
42.5°	152.5
45°	152.5
47.5°	162.0
50°	162.0
52.5°	162.0
55°	171.6
57.5°	171.6
60°	181.1
62.5°	181.1
65°	181.1
67.5°	181.1
70°	190.6
72.5°	190.6
75°	190.6
77.5°	190.6
80°	190.6
82.5°	190.6
85°	190.6
87.5°	190.6
90°	190.6
92.5°	190.6
95°	190.6
97.5°	190.6
100°	190.6
102.5°	190.6
105°	190.6
107.5°	190.6
110°	190.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	181.1
115°	181.1
117.5°	181.1
120°	171.6
122.5°	171.6
125°	162.0
127.5°	162.0
130°	152.5
132.5°	152.5
135°	143.0
137.5°	143.0
140°	133.4
142.5°	123.9
145°	123.9
147.5°	114.4
150°	104.8
152.5°	95.3
155°	85.8
157.5°	85.8
160°	76.2
162.5°	66.7
165°	57.2
167.5°	47.7
170°	38.1
172.5°	28.6
175°	9.5
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	9.2	10.2	10.1	11.2	12.4	9.2	10.2	10.1	11.2	12.4
	3H	12.3	13.2	13.2	14.2	15.4	12.3	13.2	13.2	14.2	15.4
	4H	13.8	14.7	14.7	15.6	16.8	13.8	14.7	14.7	15.6	16.8
	6H	15.2	16.1	16.1	17.0	18.2	15.2	16.1	16.1	17.0	18.2
	8H	15.9	16.7	16.8	17.7	18.9	15.9	16.7	16.8	17.7	18.9
	12H	16.6	17.3	17.5	18.3	19.5	16.6	17.3	17.5	18.3	19.5
4H	2H	10.0	10.9	10.9	11.9	13.1	10.0	10.9	10.9	11.9	13.1
	3H	13.3	14.1	14.2	15.0	16.3	13.3	14.1	14.2	15.0	16.3
	4H	14.9	15.6	15.8	16.6	17.8	14.9	15.6	15.8	16.6	17.8
	6H	16.5	17.1	17.4	18.1	19.4	16.5	17.1	17.4	18.1	19.4
	8H	17.3	17.9	18.2	18.9	20.1	17.3	17.9	18.2	18.9	20.1
	12H	18.0	18.6	19.0	19.6	20.9	18.0	18.6	19.0	19.6	20.9
8H	4H	15.4	16.0	16.4	17.0	18.3	15.4	16.0	16.4	17.0	18.3
	6H	17.2	17.7	18.2	18.8	20.0	17.2	17.7	18.2	18.8	20.0
	8H	18.1	18.6	19.1	19.6	20.9	18.1	18.6	19.1	19.6	20.9
	12H	19.1	19.5	20.0	20.5	21.8	19.1	19.5	20.0	20.5	21.8
12H	4H	15.5	16.1	16.5	17.1	18.4	15.5	16.1	16.5	17.1	18.4
	6H	17.4	17.9	18.4	18.9	20.2	17.4	17.9	18.4	18.9	20.2
	8H	18.4	18.8	19.4	19.8	21.1	18.4	18.8	19.4	19.8	21.1

(END OF REPORT)