

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: P1245056

Luminaire Tested: PRLX-NIM-L-930-23L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245056
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-930-23L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

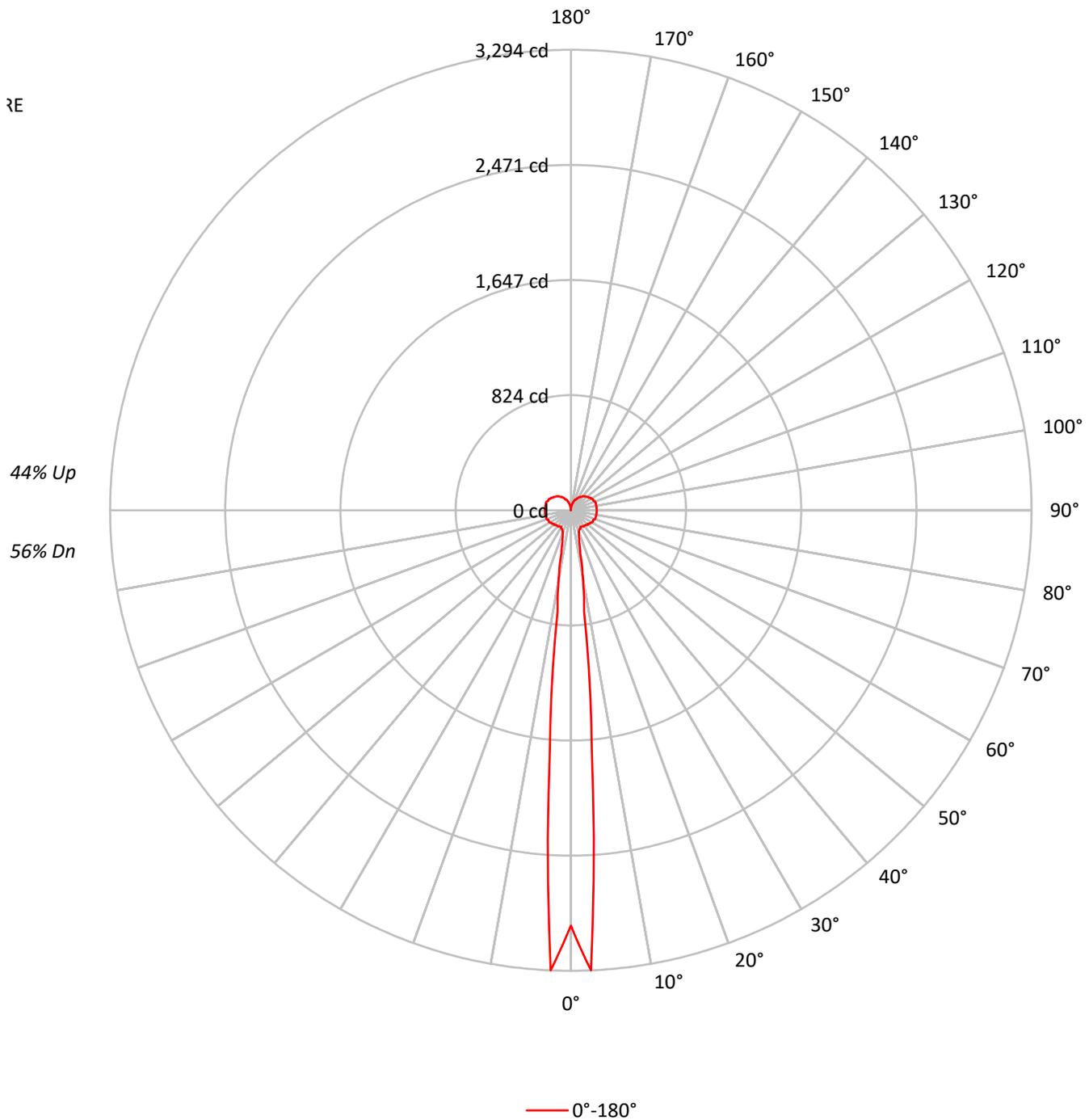
Lumens per Lamp: N/A
Luminaire Lumens: 2146.9 lumens
Efficiency: N/A
Efficacy: 36.9 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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	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°	93982
5°	42554
10°	10133
15°	4016
20°	2546
25°	2035
30°	1745
35°	1619
40°	1622
45°	1541
50°	1570
55°	1609
60°	1658
65°	1631
70°	1702
75°	1700
80°	1712
85°	1737

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1776 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	5.9
10°-20°	71.6	3.3
20°-30°	69.6	3.2
30°-40°	89.3	4.2
40°-50°	117.1	5.5
50°-60°	147.1	6.9
60°-70°	175.2	8.2
70°-80°	195.2	9.1
80°-90°	201.3	9.4
90°-100°	201.3	9.4
100°-110°	195.2	9.1
110°-120°	174.1	8.1
120°-130°	142.9	6.7
130°-140°	109.2	5.1
140°-150°	73.5	3.4
150°-160°	40.4	1.9
160°-170°	16.2	0.8
170°-180°	2.0	0.1
0°-30°	267.1	12.4
0°-40°	356.4	16.6
0°-60°	620.6	28.9
0°-90°	1192.2	55.5
90°-120°	570.6	26.6
90°-150°	896.1	41.7
90°-180°	955.0	44.5
0°-180°	2146.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2971	
5°	1725	126
15°	231	72
25°	148	70
35°	138	89
45°	148	117
55°	166	147
65°	175	175
75°	184	195
85°	184	151
90°	184	101
95°	184	151
105°	184	195
115°	175	174
125°	157	143
135°	138	109
145°	120	73
155°	83	40
165°	55	16
175°	9	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2970.7
2.5°	3293.7
5°	1725.2
7.5°	728.8
10°	498.2
12.5°	313.7
15°	230.6
17.5°	193.7
20°	166.1
22.5°	156.8
25°	147.6
27.5°	147.6
30°	138.4
32.5°	138.4
35°	138.4
37.5°	147.6
40°	147.6
42.5°	147.6
45°	147.6
47.5°	156.8
50°	156.8
52.5°	156.8
55°	166.1
57.5°	166.1
60°	175.3
62.5°	175.3
65°	175.3
67.5°	175.3
70°	184.5
72.5°	184.5
75°	184.5
77.5°	184.5
80°	184.5
82.5°	184.5
85°	184.5
87.5°	184.5
90°	184.5
92.5°	184.5
95°	184.5
97.5°	184.5
100°	184.5
102.5°	184.5
105°	184.5
107.5°	184.5
110°	184.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	175.3
115°	175.3
117.5°	175.3
120°	166.1
122.5°	166.1
125°	156.8
127.5°	156.8
130°	147.6
132.5°	147.6
135°	138.4
137.5°	138.4
140°	129.2
142.5°	119.9
145°	119.9
147.5°	110.7
150°	101.5
152.5°	92.3
155°	83.0
157.5°	83.0
160°	73.8
162.5°	64.6
165°	55.4
167.5°	46.1
170°	36.9
172.5°	27.7
175°	9.2
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	9.1	10.1	10.0	11.1	12.2	9.1	10.1	10.0	11.1	12.2
	3H	12.2	13.1	13.1	14.0	15.2	12.2	13.1	13.1	14.0	15.2
	4H	13.7	14.6	14.6	15.5	16.7	13.7	14.6	14.6	15.5	16.7
	6H	15.1	15.9	16.0	16.9	18.1	15.1	15.9	16.0	16.9	18.1
	8H	15.8	16.6	16.7	17.5	18.8	15.8	16.6	16.7	17.5	18.8
	12H	16.4	17.2	17.4	18.2	19.4	16.4	17.2	17.4	18.2	19.4
4H	2H	9.9	10.8	10.8	11.7	13.0	9.9	10.8	10.8	11.7	13.0
	3H	13.2	13.9	14.1	14.9	16.1	13.2	13.9	14.1	14.9	16.1
	4H	14.8	15.5	15.7	16.5	17.7	14.8	15.5	15.7	16.5	17.7
	6H	16.4	17.0	17.3	18.0	19.3	16.4	17.0	17.3	18.0	19.3
	8H	17.1	17.8	18.1	18.7	20.0	17.1	17.8	18.1	18.7	20.0
	12H	17.9	18.5	18.9	19.5	20.7	17.9	18.5	18.9	19.5	20.7
8H	4H	15.3	15.9	16.2	16.9	18.2	15.3	15.9	16.2	16.9	18.2
	6H	17.1	17.6	18.1	18.6	19.9	17.1	17.6	18.1	18.6	19.9
	8H	18.0	18.5	19.0	19.5	20.8	18.0	18.5	19.0	19.5	20.8
	12H	19.0	19.4	19.9	20.4	21.7	19.0	19.4	19.9	20.4	21.7
12H	4H	15.4	16.0	16.4	17.0	18.2	15.4	16.0	16.4	17.0	18.2
	6H	17.3	17.8	18.3	18.8	20.1	17.3	17.8	18.3	18.8	20.1
	8H	18.3	18.7	19.3	19.7	21.0	18.3	18.7	19.3	19.7	21.0

(END OF REPORT)