

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: P1245023

Luminaire Tested: PRLX-NIM-L-927-23L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245023
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-927-23L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

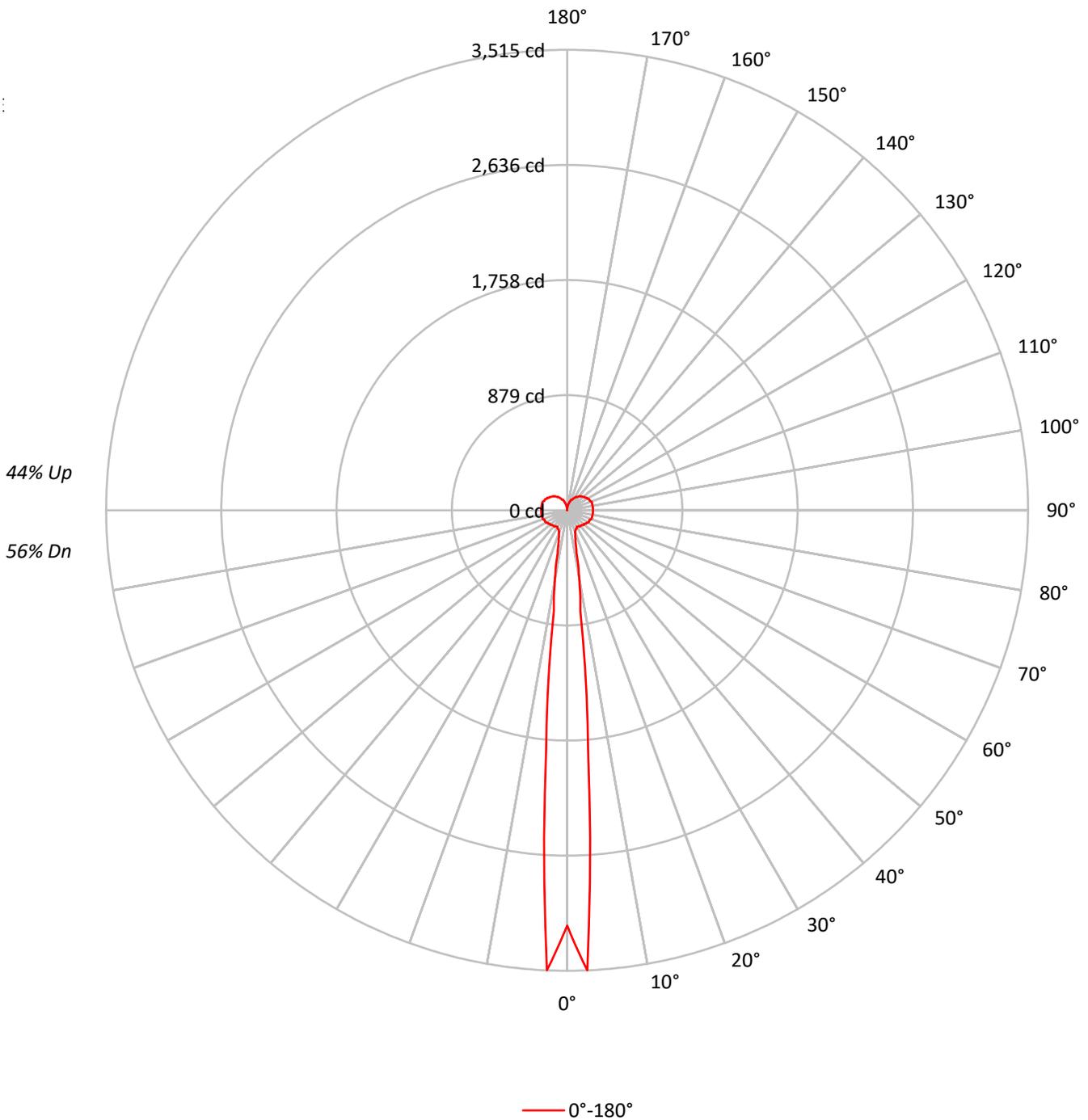
Lumens per Lamp: N/A
Luminaire Lumens: 2291.0 lumens
Efficiency: N/A
Efficacy: 39.4 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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

TEST NUMBER: P1245023

CATALOG NUMBER: PRLX-NIM-L-927-23L-U-LF

Luminous Intensity Polar Plot





TEST NUMBER: P1245023

CATALOG NUMBER: PRLX-NIM-L-927-23L-U-LF

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°	100287
5°	45410
10°	10813
15°	4286
20°	2717
25°	2171
30°	1862
35°	1728
40°	1731
45°	1644
50°	1676
55°	1717
60°	1768
65°	1740
70°	1816
75°	1815
80°	1827
85°	1854

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1896 cd/sqm



TEST NUMBER: P1245023

CATALOG NUMBER: PRLX-NIM-L-927-23L-U-LF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	5.9
10°-20°	76.4	3.3
20°-30°	74.3	3.2
30°-40°	95.3	4.2
40°-50°	125.0	5.5
50°-60°	156.9	6.9
60°-70°	186.9	8.2
70°-80°	208.3	9.1
80°-90°	214.8	9.4
90°-100°	214.8	9.4
100°-110°	208.3	9.1
110°-120°	185.7	8.1
120°-130°	152.5	6.7
130°-140°	116.5	5.1
140°-150°	78.4	3.4
150°-160°	43.1	1.9
160°-170°	17.3	0.8
170°-180°	2.1	0.1
0°-30°	285.0	12.4
0°-40°	380.3	16.6
0°-60°	662.2	28.9
0°-90°	1272.2	55.5
90°-120°	608.8	26.6
90°-150°	956.3	41.7
90°-180°	1019.0	44.5
0°-180°	2291.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3170	
5°	1841	134
15°	246	76
25°	158	74
35°	148	95
45°	158	125
55°	177	157
65°	187	187
75°	197	208
85°	197	161
90°	197	108
95°	197	161
105°	197	208
115°	187	186
125°	167	153
135°	148	116
145°	128	78
155°	89	43
165°	59	17
175°	10	2
180°	0	

TEST NUMBER: P1245023

CATALOG NUMBER: PRLX-NIM-L-927-23L-U-LF

CANDELA DISTRIBUTION (FULL):

0°	
0°	3170.0
2.5°	3514.6
5°	1841.0
7.5°	777.7
10°	531.6
12.5°	334.7
15°	246.1
17.5°	206.7
20°	177.2
22.5°	167.4
25°	157.5
27.5°	157.5
30°	147.7
32.5°	147.7
35°	147.7
37.5°	157.5
40°	157.5
42.5°	157.5
45°	157.5
47.5°	167.4
50°	167.4
52.5°	167.4
55°	177.2
57.5°	177.2
60°	187.0
62.5°	187.0
65°	187.0
67.5°	187.0
70°	196.9
72.5°	196.9
75°	196.9
77.5°	196.9
80°	196.9
82.5°	196.9
85°	196.9
87.5°	196.9
90°	196.9
92.5°	196.9
95°	196.9
97.5°	196.9
100°	196.9
102.5°	196.9
105°	196.9
107.5°	196.9
110°	196.9

TEST NUMBER: P1245023

CATALOG NUMBER: PRLX-NIM-L-927-23L-U-LF

CANDELA DISTRIBUTION (continued):

	0°
112.5°	187.0
115°	187.0
117.5°	187.0
120°	177.2
122.5°	177.2
125°	167.4
127.5°	167.4
130°	157.5
132.5°	157.5
135°	147.7
137.5°	147.7
140°	137.8
142.5°	128.0
145°	128.0
147.5°	118.1
150°	108.3
152.5°	98.4
155°	88.6
157.5°	88.6
160°	78.8
162.5°	68.9
165°	59.1
167.5°	49.2
170°	39.4
172.5°	29.5
175°	9.8
177.5°	0.0
180°	0.0



TEST NUMBER: P1245023

CATALOG NUMBER: PRLX-NIM-L-927-23L-U-LF

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	9.3	10.4	10.2	11.3	12.5	9.3	10.4	10.2	11.3	12.5
	3H	12.4	13.3	13.3	14.3	15.5	12.4	13.3	13.3	14.3	15.5
	4H	13.9	14.8	14.8	15.7	16.9	13.9	14.8	14.8	15.7	16.9
	6H	15.3	16.2	16.2	17.1	18.3	15.3	16.2	16.2	17.1	18.3
	8H	16.0	16.8	16.9	17.8	19.0	16.0	16.8	16.9	17.8	19.0
	12H	16.7	17.4	17.6	18.4	19.7	16.7	17.4	17.6	18.4	19.7
4H	2H	10.1	11.0	11.0	12.0	13.2	10.1	11.0	11.0	12.0	13.2
	3H	13.4	14.2	14.3	15.1	16.4	13.4	14.2	14.3	15.1	16.4
	4H	15.0	15.7	15.9	16.7	18.0	15.0	15.7	15.9	16.7	18.0
	6H	16.6	17.3	17.5	18.2	19.5	16.6	17.3	17.5	18.2	19.5
	8H	17.4	18.0	18.3	19.0	20.2	17.4	18.0	18.3	19.0	20.2
	12H	18.1	18.7	19.1	19.7	21.0	18.1	18.7	19.1	19.7	21.0
8H	4H	15.5	16.2	16.5	17.1	18.4	15.5	16.2	16.5	17.1	18.4
	6H	17.3	17.9	18.3	18.9	20.1	17.3	17.9	18.3	18.9	20.1
	8H	18.2	18.7	19.2	19.7	21.0	18.2	18.7	19.2	19.7	21.0
	12H	19.2	19.6	20.2	20.6	21.9	19.2	19.6	20.2	20.6	21.9
12H	4H	15.6	16.2	16.6	17.2	18.5	15.6	16.2	16.6	17.2	18.5
	6H	17.5	18.0	18.5	19.0	20.3	17.5	18.0	18.5	19.0	20.3
	8H	18.5	18.9	19.5	19.9	21.3	18.5	18.9	19.5	19.9	21.3

(END OF REPORT)