

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: P1245031

Luminaire Tested: PRLX-NIM-L-930-02L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245031
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-930-02L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

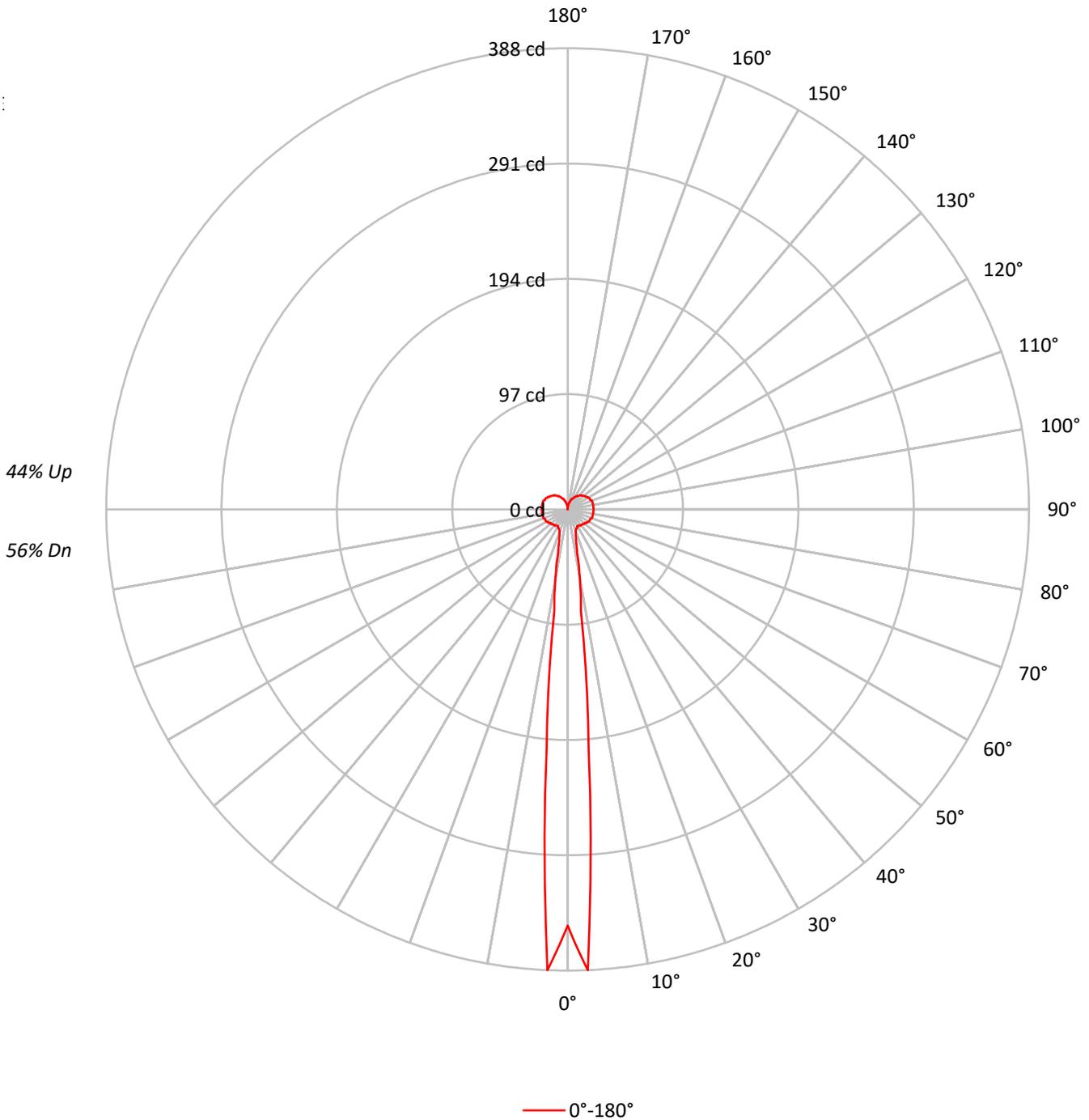
Lumens per Lamp: N/A
Luminaire Lumens: 252.9 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
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

TEST NUMBER: P1245031

CATALOG NUMBER: PRLX-NIM-L-930-02L-U-LF

Luminous Intensity Polar Plot





TEST NUMBER: P1245031

CATALOG NUMBER: PRLX-NIM-L-930-02L-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°	11076
5°	5015
10°	1194
15°	474
20°	300
25°	240
30°	206
35°	191
40°	191
45°	182
50°	185
55°	190
60°	196
65°	193
70°	200
75°	200
80°	201
85°	204

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 209 cd/sqm

TEST NUMBER: P1245031

CATALOG NUMBER: PRLX-NIM-L-930-02L-U-LF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	5.9
10°-20°	8.4	3.3
20°-30°	8.2	3.2
30°-40°	10.5	4.2
40°-50°	13.8	5.5
50°-60°	17.4	6.9
60°-70°	20.7	8.2
70°-80°	23.0	9.1
80°-90°	23.7	9.4
90°-100°	23.7	9.4
100°-110°	23.0	9.1
110°-120°	20.5	8.1
120°-130°	16.9	6.7
130°-140°	12.9	5.1
140°-150°	8.6	3.4
150°-160°	4.8	1.9
160°-170°	1.9	0.8
170°-180°	0.2	0.1
0°-30°	31.5	12.4
0°-40°	42.0	16.6
0°-60°	73.2	28.9
0°-90°	140.5	55.5
90°-120°	67.2	26.6
90°-150°	105.5	41.7
90°-180°	112.0	44.3
0°-180°	252.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	350	
5°	203	15
15°	27	8
25°	17	8
35°	16	11
45°	17	14
55°	20	17
65°	21	21
75°	22	23
85°	22	18
90°	22	12
95°	22	18
105°	22	23
115°	21	21
125°	18	17
135°	16	13
145°	14	9
155°	10	5
165°	6	2
175°	1	0
180°	0	

TEST NUMBER: P1245031

CATALOG NUMBER: PRLX-NIM-L-930-02L-U-LF

CANDELA DISTRIBUTION (FULL):

0°	
0°	350.1
2.5°	388.1
5°	203.3
7.5°	85.9
10°	58.7
12.5°	37.0
15°	27.2
17.5°	22.8
20°	19.6
22.5°	18.5
25°	17.4
27.5°	17.4
30°	16.3
32.5°	16.3
35°	16.3
37.5°	17.4
40°	17.4
42.5°	17.4
45°	17.4
47.5°	18.5
50°	18.5
52.5°	18.5
55°	19.6
57.5°	19.6
60°	20.7
62.5°	20.7
65°	20.7
67.5°	20.7
70°	21.7
72.5°	21.7
75°	21.7
77.5°	21.7
80°	21.7
82.5°	21.7
85°	21.7
87.5°	21.7
90°	21.7
92.5°	21.7
95°	21.7
97.5°	21.7
100°	21.7
102.5°	21.7
105°	21.7
107.5°	21.7
110°	21.7



TEST NUMBER: P1245031

CATALOG NUMBER: PRLX-NIM-L-930-02L-U-LF

CANDELA DISTRIBUTION (continued):

	0°
112.5°	20.7
115°	20.7
117.5°	20.7
120°	19.6
122.5°	19.6
125°	18.5
127.5°	18.5
130°	17.4
132.5°	17.4
135°	16.3
137.5°	16.3
140°	15.2
142.5°	14.1
145°	14.1
147.5°	13.0
150°	12.0
152.5°	10.9
155°	9.8
157.5°	9.8
160°	8.7
162.5°	7.6
165°	6.5
167.5°	5.4
170°	4.3
172.5°	3.3
175°	1.1
177.5°	0.0
180°	0.0



TEST NUMBER: P1245031

CATALOG NUMBER: PRLX-NIM-L-930-02L-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	1.7	2.7	2.6	3.6	4.8	1.7	2.7	2.6	3.6	4.8
	3H	4.7	5.7	5.6	6.6	7.8	4.7	5.7	5.6	6.6	7.8
	4H	6.2	7.1	7.1	8.1	9.3	6.2	7.1	7.1	8.1	9.3
	6H	7.7	8.5	8.6	9.5	10.7	7.7	8.5	8.6	9.5	10.7
	8H	8.3	9.2	9.3	10.1	11.3	8.3	9.2	9.3	10.1	11.3
	12H	9.0	9.8	9.9	10.7	12.0	9.0	9.8	9.9	10.7	12.0
4H	2H	2.5	3.4	3.4	4.3	5.5	2.5	3.4	3.4	4.3	5.5
	3H	5.7	6.5	6.7	7.5	8.7	5.7	6.5	6.7	7.5	8.7
	4H	7.3	8.1	8.3	9.0	10.3	7.3	8.1	8.3	9.0	10.3
	6H	8.9	9.6	9.9	10.6	11.8	8.9	9.6	9.9	10.6	11.8
	8H	9.7	10.3	10.7	11.3	12.6	9.7	10.3	10.7	11.3	12.6
	12H	10.5	11.0	11.4	12.0	13.3	10.5	11.0	11.4	12.0	13.3
8H	4H	7.9	8.5	8.8	9.5	10.7	7.9	8.5	8.8	9.5	10.7
	6H	9.7	10.2	10.6	11.2	12.5	9.7	10.2	10.6	11.2	12.5
	8H	10.6	11.1	11.6	12.1	13.3	10.6	11.1	11.6	12.1	13.3
	12H	11.5	11.9	12.5	12.9	14.3	11.5	11.9	12.5	12.9	14.3
12H	4H	8.0	8.6	8.9	9.5	10.8	8.0	8.6	8.9	9.5	10.8
	6H	9.8	10.3	10.8	11.3	12.6	9.8	10.3	10.8	11.3	12.6
	8H	10.8	11.3	11.8	12.3	13.6	10.8	11.3	11.8	12.3	13.6

(END OF REPORT)