

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: P1245247

Luminaire Tested: PRLX-NIM-S-935-02L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-S-935-02L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

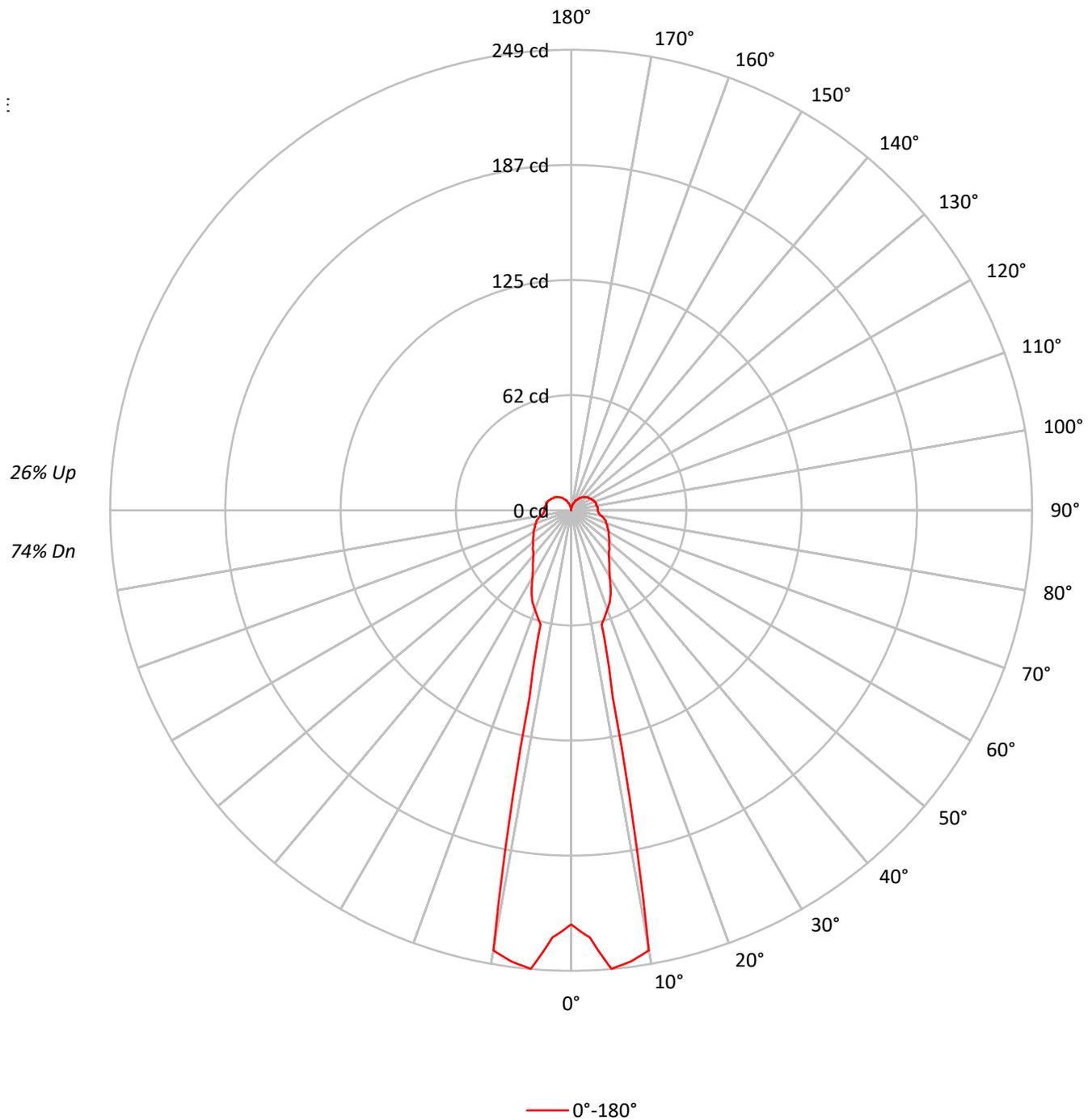
Lumens per Lamp: N/A
Luminaire Lumens: 266.0 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 6.3
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: P1245247

CATALOG NUMBER: PRLX-NIM-S-935-02L-U-LF

Luminous Intensity Polar Plot





TEST NUMBER: P1245247

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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	113	113	113	113	107	107	107	107	96	96	96		87	87	87		78	78	78	74
1	101	96	91	87	96	91	87	83	82	79	76		74	71	69		66	64	62	58
2	92	84	77	71	87	80	73	68	72	67	63		65	61	57		58	55	52	49
3	85	74	66	60	80	71	64	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	64	56	50	58	52	47		52	47	43		47	43	40	37
5	72	60	52	46	69	58	50	44	53	46	41		48	43	39		44	39	36	33
6	68	55	47	41	64	53	45	40	48	42	37		44	39	35		41	36	33	30
7	63	51	43	37	60	49	41	36	45	39	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	36	31		39	33	30		36	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		34	29	26	24
10	53	41	34	29	51	40	33	28	37	31	27		34	29	26		32	28	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7087
5°	6992
10°	6148
15°	1493
20°	1246
25°	1038
30°	819
35°	680
40°	582
45°	526
50°	477
55°	439
60°	415
65°	385
70°	365
75°	348
80°	314
85°	300

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 526 cd/sqm

TEST NUMBER: P1245247

CATALOG NUMBER: PRLX-NIM-S-935-02L-U-LF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	8.7
10°-20°	24.6	9.3
20°-30°	22.9	8.6
30°-40°	22.6	8.5
40°-50°	22.5	8.5
50°-60°	22.4	8.4
60°-70°	21.6	8.1
70°-80°	19.6	7.4
80°-90°	16.3	6.1
90°-100°	15.6	5.9
100°-110°	14.6	5.5
110°-120°	12.9	4.8
120°-130°	10.5	3.9
130°-140°	7.8	2.9
140°-150°	5.0	1.9
150°-160°	2.6	1.0
160°-170°	0.9	0.3
170°-180°	0.1	0.0
0°-30°	70.8	26.6
0°-40°	93.4	35.1
0°-60°	138.3	52.0
0°-90°	195.9	73.6
90°-120°	43.2	16.2
90°-150°	66.5	25.0
90°-180°	70.0	26.3
0°-180°	266.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	224	
5°	249	23
15°	64	25
25°	50	23
35°	36	23
45°	29	23
55°	25	22
65°	22	22
75°	19	20
85°	15	12
90°	14	8
95°	14	12
105°	14	15
115°	13	13
125°	12	10
135°	10	8
145°	8	5
155°	6	3
165°	3	1
175°	0	0
180°	0	

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CATALOG NUMBER: PRLX-NIM-S-935-02L-U-LF

CANDELA DISTRIBUTION (FULL):

0°	
0°	224.0
2.5°	231.2
5°	248.9
7.5°	246.1
10°	241.7
12.5°	103.6
15°	63.8
17.5°	60.4
20°	57.1
22.5°	54.2
25°	50.4
27.5°	46.0
30°	41.7
32.5°	38.4
35°	36.0
37.5°	33.6
40°	31.7
42.5°	30.2
45°	29.3
47.5°	27.8
50°	26.9
52.5°	25.9
55°	24.9
57.5°	24.0
60°	23.5
62.5°	22.5
65°	21.6
67.5°	21.1
70°	20.1
72.5°	19.7
75°	18.7
77.5°	17.7
80°	16.3
82.5°	15.3
85°	14.9
87.5°	14.4
90°	14.4
92.5°	14.4
95°	14.4
97.5°	14.4
100°	13.9
102.5°	13.9
105°	13.9
107.5°	13.9
110°	13.4



TEST NUMBER: P1245247

CATALOG NUMBER: PRLX-NIM-S-935-02L-U-LF

CANDELA DISTRIBUTION (continued):

	0°
112.5°	13.4
115°	13.0
117.5°	12.5
120°	12.5
122.5°	12.0
125°	11.5
127.5°	11.5
130°	11.0
132.5°	10.6
135°	10.1
137.5°	9.6
140°	9.1
142.5°	8.6
145°	8.2
147.5°	7.2
150°	6.7
152.5°	6.2
155°	5.8
157.5°	4.8
160°	4.3
162.5°	3.8
165°	2.9
167.5°	2.4
170°	1.9
172.5°	1.0
175°	0.5
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	5.7	6.8	6.4	7.6	8.5	5.7	6.8	6.4	7.6	8.5
	3H	8.0	9.0	8.7	9.8	10.7	8.0	9.0	8.7	9.8	10.7
	4H	9.1	10.1	9.8	10.8	11.8	9.1	10.1	9.8	10.8	11.8
	6H	10.0	11.0	10.8	11.7	12.7	10.0	11.0	10.8	11.7	12.7
	8H	10.5	11.3	11.2	12.1	13.1	10.5	11.3	11.2	12.1	13.1
	12H	10.9	11.7	11.7	12.5	13.5	10.9	11.7	11.7	12.5	13.5
4H	2H	6.3	7.3	7.0	8.0	9.0	6.3	7.3	7.0	8.0	9.0
	3H	8.8	9.7	9.6	10.5	11.4	8.8	9.7	9.6	10.5	11.4
	4H	10.0	10.8	10.8	11.6	12.6	10.0	10.8	10.8	11.6	12.6
	6H	11.2	11.9	12.0	12.7	13.7	11.2	11.9	12.0	12.7	13.7
	8H	11.7	12.3	12.5	13.1	14.1	11.7	12.3	12.5	13.1	14.1
	12H	12.2	12.8	13.0	13.6	14.6	12.2	12.8	13.0	13.6	14.6
8H	4H	10.4	11.1	11.2	11.9	12.9	10.4	11.1	11.2	11.9	12.9
	6H	11.7	12.3	12.5	13.1	14.1	11.7	12.3	12.5	13.1	14.1
	8H	12.4	12.9	13.2	13.7	14.7	12.4	12.9	13.2	13.7	14.7
	12H	13.0	13.5	13.9	14.3	15.4	13.0	13.5	13.9	14.3	15.4
12H	4H	10.5	11.1	11.3	11.9	12.9	10.5	11.1	11.3	11.9	12.9
	6H	11.8	12.3	12.7	13.2	14.2	11.8	12.3	12.7	13.2	14.2
	8H	12.5	13.0	13.4	13.8	14.9	12.5	13.0	13.4	13.8	14.9

(END OF REPORT)