

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: P1245471

Luminaire Tested: PRLX-UNA-S-930-12L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-S-930-12L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

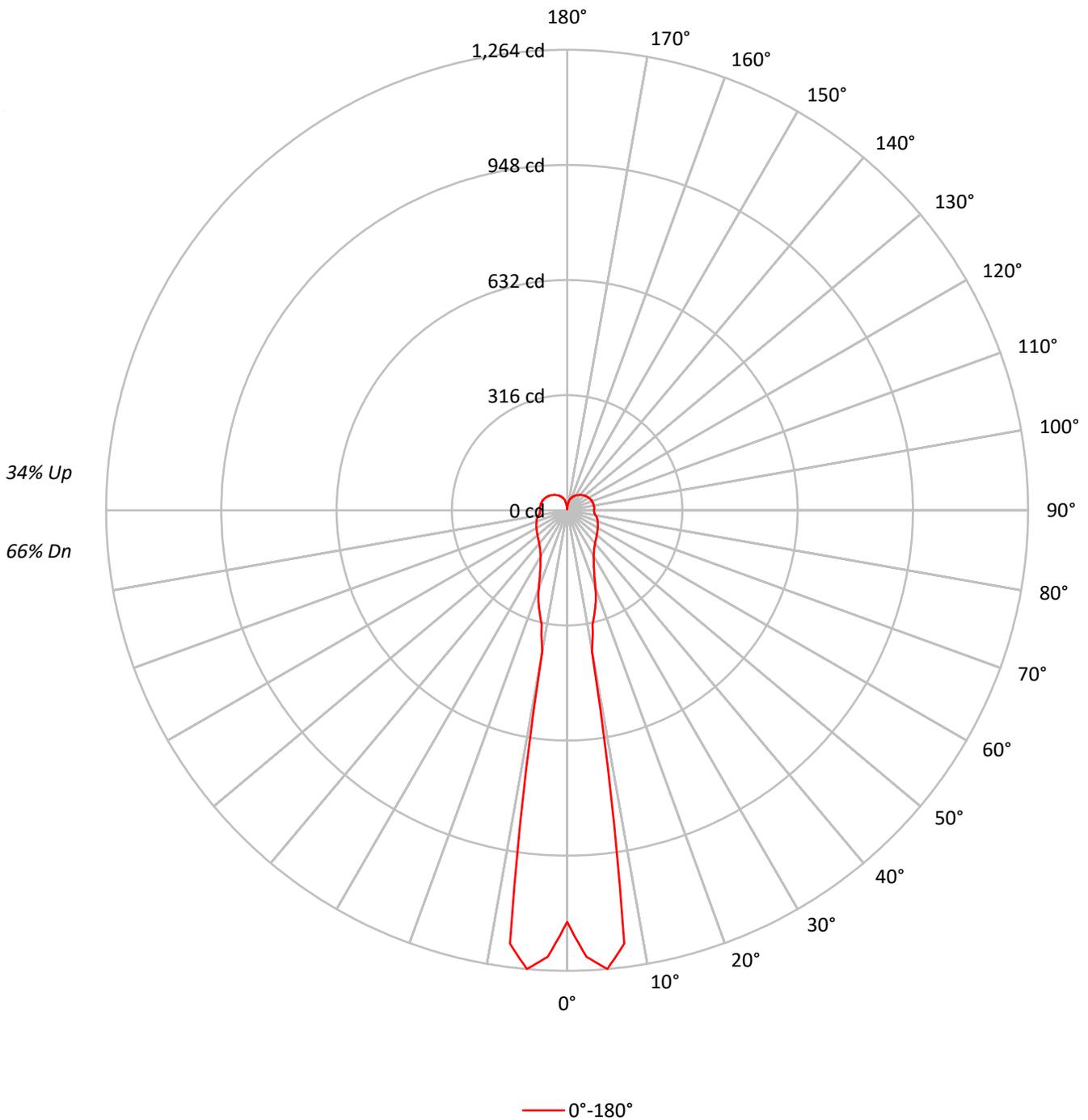
Lumens per Lamp: N/A
Luminaire Lumens: 1181.8 lumens
Efficiency: N/A
Efficacy: 40.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 28.9
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	111	111	111	111	105	105	105	105	92	92	92		81	81	81		71	71	71	66
1	99	94	89	84	93	88	84	80	78	74	71		68	65	63		59	57	55	51
2	90	81	74	68	84	77	70	65	68	63	58		59	55	52		52	49	46	42
3	82	72	64	57	77	68	60	55	60	54	49		53	48	44		46	43	40	36
4	76	64	56	49	71	61	53	47	54	48	43		48	43	39		42	38	35	32
5	70	58	49	43	66	55	47	41	49	43	38		44	38	34		38	34	31	28
6	65	53	44	38	61	50	42	37	45	39	34		40	35	31		36	32	28	26
7	61	48	40	35	57	46	39	33	42	35	31		37	32	28		33	29	26	24
8	57	45	37	31	54	43	35	30	39	33	28		35	30	26		31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26		33	28	24		30	26	23	21
10	51	39	32	27	48	37	31	26	34	28	24		31	26	23		28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55351
5°	51363
10°	13757
15°	8973
20°	6311
25°	4408
30°	3436
35°	2876
40°	2523
45°	2280
50°	2091
55°	1946
60°	1841
65°	1752
70°	1677
75°	1614
80°	1523
85°	1481

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2280 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	8.4
10°-20°	81.8	6.9
20°-30°	81.2	6.9
30°-40°	81.6	6.9
40°-50°	86.6	7.3
50°-60°	90.8	7.7
60°-70°	92.2	7.8
70°-80°	89.8	7.6
80°-90°	82.1	6.9
90°-100°	81.2	6.9
100°-110°	77.8	6.6
110°-120°	70.4	6.0
120°-130°	59.0	5.0
130°-140°	45.7	3.9
140°-150°	32.1	2.7
150°-160°	19.7	1.7
160°-170°	9.1	0.8
170°-180°	1.5	0.1
0°-30°	262.4	22.2
0°-40°	344.0	29.1
0°-60°	521.4	44.1
0°-90°	785.5	66.5
90°-120°	229.4	19.4
90°-150°	366.1	31.0
90°-180°	396.0	33.5
0°-180°	1181.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1130	
5°	1264	99
15°	291	82
25°	173	81
35°	129	82
45°	112	87
55°	101	91
65°	93	92
75°	85	90
85°	75	62
90°	74	41
95°	75	61
105°	74	78
115°	71	70
125°	66	59
135°	59	46
145°	51	32
155°	42	20
165°	32	9
175°	12	1
180°	3	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1129.9
2.5°	1226.8
5°	1263.8
7.5°	1199.8
10°	393.6
12.5°	321.7
15°	290.7
17.5°	261.7
20°	226.8
22.5°	194.8
25°	172.8
27.5°	157.8
30°	144.9
32.5°	136.9
35°	128.9
37.5°	123.9
40°	118.9
42.5°	114.9
45°	111.9
47.5°	108.9
50°	105.9
52.5°	103.9
55°	100.9
57.5°	98.9
60°	96.9
62.5°	94.9
65°	92.9
67.5°	90.9
70°	88.9
72.5°	87.9
75°	84.9
77.5°	82.9
80°	78.9
82.5°	75.9
85°	74.9
87.5°	73.9
90°	73.9
92.5°	73.9
95°	74.9
97.5°	74.9
100°	73.9
102.5°	73.9
105°	73.9
107.5°	72.9
110°	72.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	71.9
115°	70.9
117.5°	69.9
120°	68.9
122.5°	66.9
125°	65.9
127.5°	63.9
130°	62.9
132.5°	60.9
135°	58.9
137.5°	56.9
140°	54.9
142.5°	52.9
145°	51.0
147.5°	49.0
150°	47.0
152.5°	45.0
155°	42.0
157.5°	40.0
160°	37.0
162.5°	35.0
165°	32.0
167.5°	28.0
170°	23.0
172.5°	18.0
175°	12.0
177.5°	6.0
180°	3.0



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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	10.3	11.4	11.1	12.2	13.3	10.3	11.4	11.1	12.2	13.3
	3H	12.8	13.8	13.6	14.6	15.6	12.8	13.8	13.6	14.6	15.6
	4H	14.0	14.9	14.8	15.7	16.8	14.0	14.9	14.8	15.7	16.8
	6H	15.1	15.9	15.9	16.8	17.9	15.1	15.9	15.9	16.8	17.9
	8H	15.6	16.4	16.4	17.3	18.3	15.6	16.4	16.4	17.3	18.3
	12H	16.1	16.9	16.9	17.7	18.8	16.1	16.9	16.9	17.7	18.8
4H	2H	11.0	11.9	11.8	12.7	13.8	11.0	11.9	11.8	12.7	13.8
	3H	13.6	14.4	14.5	15.3	16.4	13.6	14.4	14.5	15.3	16.4
	4H	14.9	15.7	15.8	16.6	17.7	14.9	15.7	15.8	16.6	17.7
	6H	16.2	16.9	17.1	17.8	18.9	16.2	16.9	17.1	17.8	18.9
	8H	16.8	17.4	17.7	18.3	19.4	16.8	17.4	17.7	18.3	19.4
	12H	17.4	18.0	18.3	18.9	20.0	17.4	18.0	18.3	18.9	20.0
8H	4H	15.4	16.0	16.2	16.9	18.0	15.4	16.0	16.2	16.9	18.0
	6H	16.8	17.4	17.7	18.3	19.4	16.8	17.4	17.7	18.3	19.4
	8H	17.6	18.1	18.5	19.0	20.1	17.6	18.1	18.5	19.0	20.1
	12H	18.3	18.8	19.2	19.7	20.8	18.3	18.8	19.2	19.7	20.8
12H	4H	15.4	16.0	16.3	16.9	18.0	15.4	16.0	16.3	16.9	18.0
	6H	17.0	17.5	17.9	18.4	19.5	17.0	17.5	17.9	18.4	19.5
	8H	17.8	18.2	18.7	19.1	20.3	17.8	18.2	18.7	19.1	20.3

(END OF REPORT)