

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: P1245469

Luminaire Tested: PRLX-UNA-S-930-09L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245469
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-930-09L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

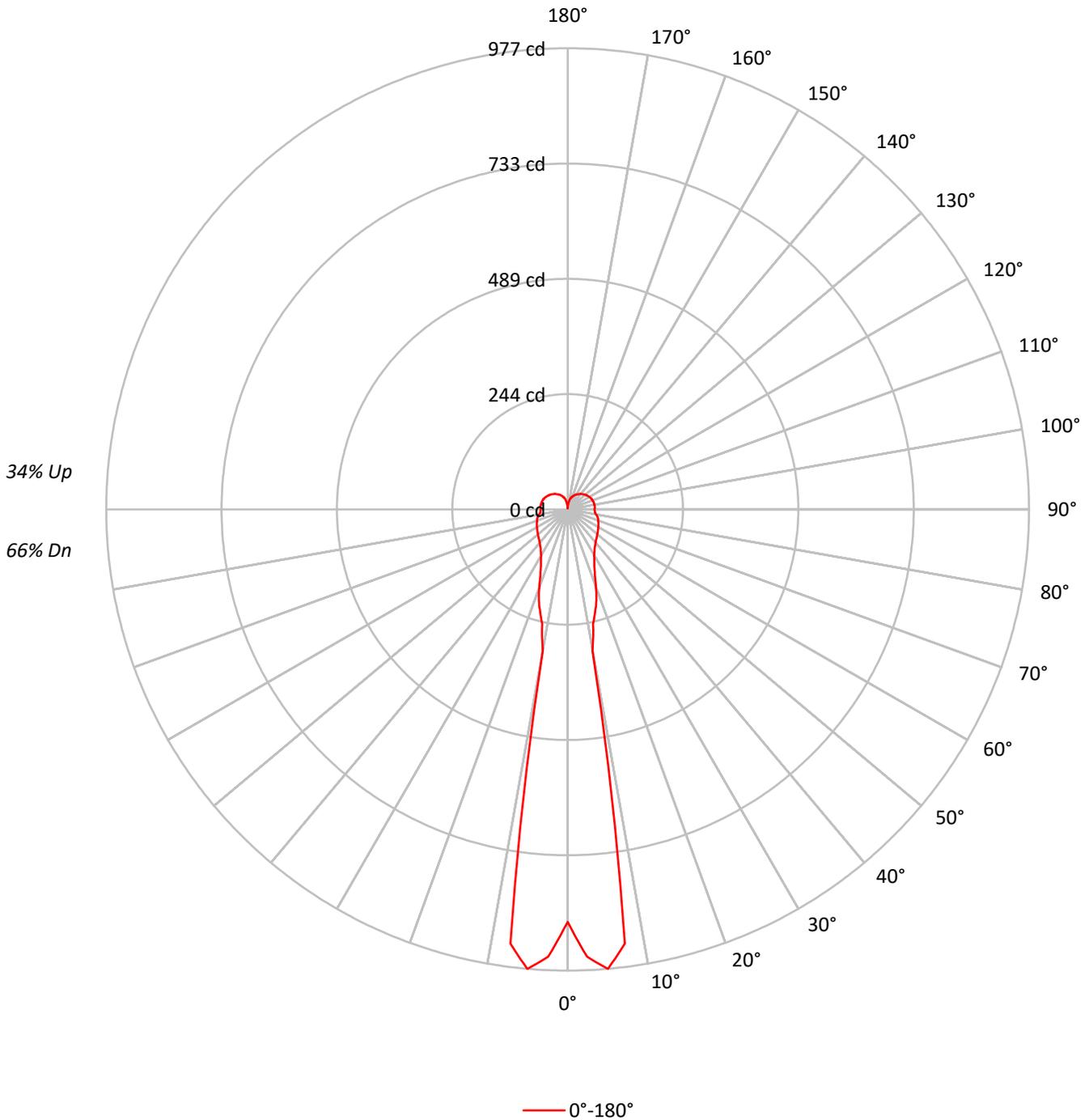
Lumens per Lamp: N/A
Luminaire Lumens: 914.0 lumens
Efficiency: N/A
Efficacy: 42.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 21.3
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

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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°	42801
5°	39715
10°	10639
15°	6939
20°	4881
25°	3408
30°	2656
35°	2224
40°	1950
45°	1763
50°	1617
55°	1505
60°	1423
65°	1354
70°	1298
75°	1249
80°	1178
85°	1145

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1763 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	8.4
10°-20°	63.3	6.9
20°-30°	62.8	6.9
30°-40°	63.1	6.9
40°-50°	67.0	7.3
50°-60°	70.2	7.7
60°-70°	71.3	7.8
70°-80°	69.4	7.6
80°-90°	63.5	7.0
90°-100°	62.8	6.9
100°-110°	60.2	6.6
110°-120°	54.5	6.0
120°-130°	45.6	5.0
130°-140°	35.4	3.9
140°-150°	24.8	2.7
150°-160°	15.2	1.7
160°-170°	7.0	0.8
170°-180°	1.2	0.1
0°-30°	202.9	22.2
0°-40°	266.0	29.1
0°-60°	403.1	44.1
0°-90°	607.4	66.5
90°-120°	177.4	19.4
90°-150°	283.2	31.0
90°-180°	307.0	33.6
0°-180°	914.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	874	
5°	977	77
15°	225	63
25°	134	63
35°	100	63
45°	86	67
55°	78	70
65°	72	71
75°	66	69
85°	58	48
90°	57	31
95°	58	47
105°	57	60
115°	55	54
125°	51	46
135°	46	35
145°	39	25
155°	32	15
165°	25	7
175°	9	1
180°	2	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	873.7
2.5°	948.7
5°	977.2
7.5°	927.8
10°	304.4
12.5°	248.8
15°	224.8
17.5°	202.4
20°	175.4
22.5°	150.6
25°	133.6
27.5°	122.1
30°	112.0
32.5°	105.8
35°	99.7
37.5°	95.8
40°	91.9
42.5°	88.8
45°	86.5
47.5°	84.2
50°	81.9
52.5°	80.3
55°	78.0
57.5°	76.5
60°	74.9
62.5°	73.4
65°	71.8
67.5°	70.3
70°	68.8
72.5°	68.0
75°	65.7
77.5°	64.1
80°	61.0
82.5°	58.7
85°	57.9
87.5°	57.2
90°	57.2
92.5°	57.2
95°	57.9
97.5°	57.9
100°	57.2
102.5°	57.2
105°	57.2
107.5°	56.4
110°	56.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	55.6
115°	54.8
117.5°	54.1
120°	53.3
122.5°	51.8
125°	51.0
127.5°	49.4
130°	48.7
132.5°	47.1
135°	45.6
137.5°	44.0
140°	42.5
142.5°	40.9
145°	39.4
147.5°	37.9
150°	36.3
152.5°	34.8
155°	32.4
157.5°	30.9
160°	28.6
162.5°	27.0
165°	24.7
167.5°	21.6
170°	17.8
172.5°	13.9
175°	9.3
177.5°	4.6
180°	2.3



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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	9.4	10.5	10.2	11.4	12.4	9.4	10.5	10.2	11.4	12.4
	3H	11.9	12.9	12.7	13.7	14.8	11.9	12.9	12.7	13.7	14.8
	4H	13.1	14.0	13.9	14.8	15.9	13.1	14.0	13.9	14.8	15.9
	6H	14.2	15.1	15.0	15.9	17.0	14.2	15.1	15.0	15.9	17.0
	8H	14.7	15.5	15.5	16.4	17.4	14.7	15.5	15.5	16.4	17.4
	12H	15.2	16.0	16.0	16.8	17.9	15.2	16.0	16.0	16.8	17.9
4H	2H	10.1	11.0	10.9	11.9	12.9	10.1	11.0	10.9	11.9	12.9
	3H	12.7	13.5	13.6	14.4	15.5	12.7	13.5	13.6	14.4	15.5
	4H	14.1	14.8	14.9	15.7	16.8	14.1	14.8	14.9	15.7	16.8
	6H	15.3	16.0	16.2	16.9	18.0	15.3	16.0	16.2	16.9	18.0
	8H	15.9	16.6	16.8	17.4	18.5	15.9	16.6	16.8	17.4	18.5
	12H	16.5	17.1	17.4	18.0	19.1	16.5	17.1	17.4	18.0	19.1
8H	4H	14.5	15.1	15.3	16.0	17.1	14.5	15.1	15.3	16.0	17.1
	6H	15.9	16.5	16.8	17.4	18.5	15.9	16.5	16.8	17.4	18.5
	8H	16.7	17.2	17.6	18.1	19.2	16.7	17.2	17.6	18.1	19.2
	12H	17.4	17.9	18.3	18.8	20.0	17.4	17.9	18.3	18.8	20.0
12H	4H	14.6	15.1	15.4	16.0	17.1	14.6	15.1	15.4	16.0	17.1
	6H	16.1	16.6	17.0	17.5	18.6	16.1	16.6	17.0	17.5	18.6
	8H	16.9	17.3	17.8	18.2	19.4	16.9	17.3	17.8	18.2	19.4

(END OF REPORT)