

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: P1245499

Luminaire Tested: PRLX-UNA-S-940-09L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245499
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-940-09L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

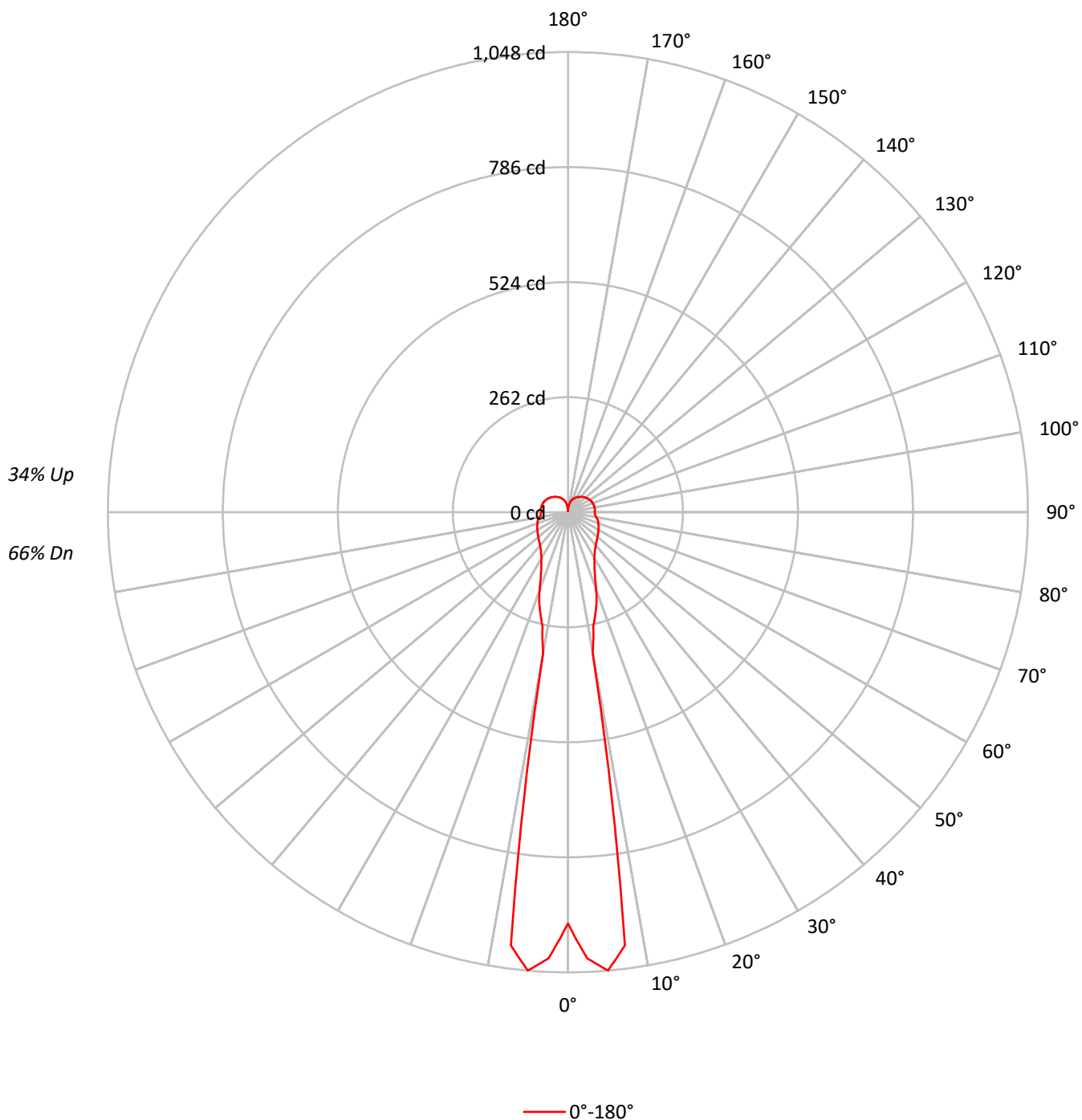
Lumens per Lamp: N/A
Luminaire Lumens: 980.0 lumens
Efficiency: N/A
Efficacy: 46.0 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10	
RCR																						
0	111	111	111	111		105	105	105	105		92	92	92		81	81	81		71	71	71	
1	99	94	89	84		93	88	84	80		78	74	71		68	65	63		59	57	55	
2	90	81	74	68		84	77	70	65		68	63	58		59	55	52		52	49	46	
3	82	72	64	57		77	68	60	55		60	54	49		53	48	44		46	43	40	
4	76	64	56	49		71	61	53	47		54	48	43		48	43	39		42	38	35	
5	70	58	49	43		66	55	47	41		49	43	38		44	38	34		38	34	31	
6	65	53	44	38		61	50	42	37		45	39	34		40	35	31		36	32	28	
7	61	48	40	35		57	46	39	33		42	35	31		37	32	28		33	29	26	
8	57	45	37	31		54	43	35	30		39	33	28		35	30	26		31	27	24	
9	54	42	34	29		51	40	33	28		36	30	26		33	28	24		30	26	23	
10	51	39	32	27		48	37	31	26		34	28	24		31	26	23		28	24	21	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45892
5°	42584
10°	11408
15°	7439
20°	5231
25°	3655
30°	2848
35°	2385
40°	2092
45°	1891
50°	1733
55°	1615
60°	1526
65°	1452
70°	1390
75°	1338
80°	1263
85°	1228

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1891 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	8.4
10°-20°	67.8	6.9
20°-30°	67.4	6.9
30°-40°	67.7	6.9
40°-50°	71.8	7.3
50°-60°	75.3	7.7
60°-70°	76.4	7.8
70°-80°	74.4	7.6
80°-90°	68.1	7.0
90°-100°	67.3	6.9
100°-110°	64.5	6.6
110°-120°	58.4	6.0
120°-130°	48.9	5.0
130°-140°	37.9	3.9
140°-150°	26.6	2.7
150°-160°	16.3	1.7
160°-170°	7.5	0.8
170°-180°	1.2	0.1
0°-30°	217.6	22.2
0°-40°	285.2	29.1
0°-60°	432.3	44.1
0°-90°	651.3	66.5
90°-120°	190.3	19.4
90°-150°	303.7	31.0
90°-180°	329.0	33.6
0°-180°	980.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	937	
5°	1048	82
15°	241	68
25°	143	67
35°	107	68
45°	93	72
55°	84	75
65°	77	76
75°	70	74
85°	62	51
90°	61	34
95°	62	51
105°	61	65
115°	59	58
125°	55	49
135°	49	38
145°	42	27
155°	35	16
165°	26	8
175°	10	1
180°	2	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	936.8
2.5°	1017.2
5°	1047.8
7.5°	994.8
10°	326.4
12.5°	266.7
15°	241.0
17.5°	217.0
20°	188.0
22.5°	161.5
25°	143.3
27.5°	130.9
30°	120.1
32.5°	113.5
35°	106.9
37.5°	102.7
40°	98.6
42.5°	95.3
45°	92.8
47.5°	90.3
50°	87.8
52.5°	86.1
55°	83.7
57.5°	82.0
60°	80.3
62.5°	78.7
65°	77.0
67.5°	75.4
70°	73.7
72.5°	72.9
75°	70.4
77.5°	68.7
80°	65.4
82.5°	63.0
85°	62.1
87.5°	61.3
90°	61.3
92.5°	61.3
95°	62.1
97.5°	62.1
100°	61.3
102.5°	61.3
105°	61.3
107.5°	60.5
110°	60.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	59.6
115°	58.8
117.5°	58.0
120°	57.2
122.5°	55.5
125°	54.7
127.5°	53.0
130°	52.2
132.5°	50.5
135°	48.9
137.5°	47.2
140°	45.6
142.5°	43.9
145°	42.2
147.5°	40.6
150°	38.9
152.5°	37.3
155°	34.8
157.5°	33.1
160°	30.6
162.5°	29.0
165°	26.5
167.5°	23.2
170°	19.1
172.5°	14.9
175°	9.9
177.5°	5.0
180°	2.5

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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	9.7	10.8	10.5	11.6	12.6	9.7	10.8	10.5	11.6	12.6
	3H	12.1	13.1	12.9	14.0	15.0	12.1	13.1	12.9	14.0	15.0
	4H	13.3	14.2	14.1	15.1	16.1	13.3	14.2	14.1	15.1	16.1
	6H	14.4	15.3	15.2	16.1	17.2	14.4	15.3	15.2	16.1	17.2
	8H	14.9	15.8	15.8	16.6	17.7	14.9	15.8	15.8	16.6	17.7
	12H	15.4	16.2	16.3	17.1	18.2	15.4	16.2	16.3	17.1	18.2
4H	2H	10.3	11.3	11.1	12.1	13.1	10.3	11.3	11.1	12.1	13.1
	3H	13.0	13.8	13.8	14.7	15.7	13.0	13.8	13.8	14.7	15.7
	4H	14.3	15.0	15.1	15.9	17.0	14.3	15.0	15.1	15.9	17.0
	6H	15.6	16.2	16.4	17.1	18.2	15.6	16.2	16.4	17.1	18.2
	8H	16.2	16.8	17.0	17.7	18.8	16.2	16.8	17.0	17.7	18.8
	12H	16.8	17.3	17.7	18.2	19.4	16.8	17.3	17.7	18.2	19.4
8H	4H	14.7	15.3	15.6	16.2	17.3	14.7	15.3	15.6	16.2	17.3
	6H	16.2	16.7	17.1	17.6	18.8	16.2	16.7	17.1	17.6	18.8
	8H	16.9	17.4	17.8	18.3	19.4	16.9	17.4	17.8	18.3	19.4
	12H	17.7	18.1	18.6	19.0	20.2	17.7	18.1	18.6	19.0	20.2
12H	4H	14.8	15.4	15.7	16.3	17.4	14.8	15.4	15.7	16.3	17.4
	6H	16.3	16.8	17.2	17.7	18.9	16.3	16.8	17.2	17.7	18.9
	8H	17.1	17.6	18.0	18.5	19.6	17.1	17.6	18.0	18.5	19.6

(END OF REPORT)