

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: P1245466

Luminaire Tested: PRLX-UNA-S-930-07L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245466
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-930-07L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

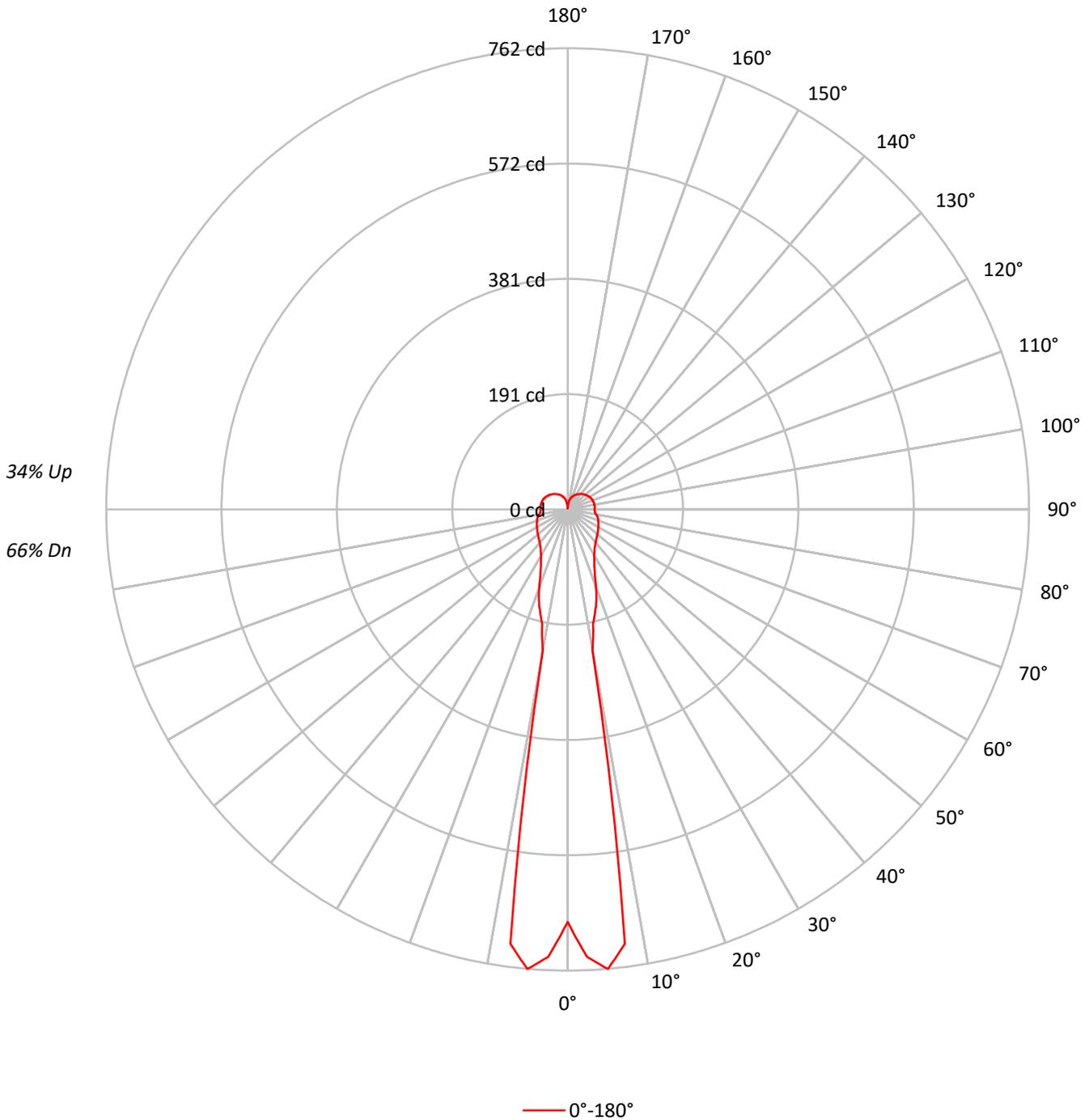
Lumens per Lamp: N/A
Luminaire Lumens: 713.0 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 16.2
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	30	26	34	28	24	31	26	23	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33390
5°	30981
10°	8298
15°	5414
20°	3807
25°	2660
30°	2072
35°	1734
40°	1521
45°	1375
50°	1262
55°	1175
60°	1111
65°	1056
70°	1011
75°	973
80°	919
85°	894

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1375 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	8.4
10°-20°	49.3	6.9
20°-30°	49.0	6.9
30°-40°	49.2	6.9
40°-50°	52.3	7.3
50°-60°	54.8	7.7
60°-70°	55.6	7.8
70°-80°	54.1	7.6
80°-90°	49.6	7.0
90°-100°	49.0	6.9
100°-110°	46.9	6.6
110°-120°	42.5	6.0
120°-130°	35.6	5.0
130°-140°	27.6	3.9
140°-150°	19.3	2.7
150°-160°	11.9	1.7
160°-170°	5.5	0.8
170°-180°	0.9	0.1
0°-30°	158.3	22.2
0°-40°	207.5	29.1
0°-60°	314.5	44.1
0°-90°	473.8	66.5
90°-120°	138.4	19.4
90°-150°	221.0	31.0
90°-180°	239.0	33.5
0°-180°	713.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	682	
5°	762	60
15°	175	49
25°	104	49
35°	78	49
45°	68	52
55°	61	55
65°	56	56
75°	51	54
85°	45	37
90°	45	24
95°	45	37
105°	45	47
115°	43	42
125°	40	36
135°	36	28
145°	31	19
155°	25	12
165°	19	5
175°	7	1
180°	2	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	681.6
2.5°	740.0
5°	762.3
7.5°	723.8
10°	237.4
12.5°	194.0
15°	175.4
17.5°	157.9
20°	136.8
22.5°	117.5
25°	104.3
27.5°	95.2
30°	87.4
32.5°	82.6
35°	77.7
37.5°	74.7
40°	71.7
42.5°	69.3
45°	67.5
47.5°	65.7
50°	63.9
52.5°	62.7
55°	60.9
57.5°	59.7
60°	58.5
62.5°	57.3
65°	56.0
67.5°	54.8
70°	53.6
72.5°	53.0
75°	51.2
77.5°	50.0
80°	47.6
82.5°	45.8
85°	45.2
87.5°	44.6
90°	44.6
92.5°	44.6
95°	45.2
97.5°	45.2
100°	44.6
102.5°	44.6
105°	44.6
107.5°	44.0
110°	44.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	43.4
115°	42.8
117.5°	42.2
120°	41.6
122.5°	40.4
125°	39.8
127.5°	38.6
130°	38.0
132.5°	36.8
135°	35.6
137.5°	34.4
140°	33.1
142.5°	31.9
145°	30.7
147.5°	29.5
150°	28.3
152.5°	27.1
155°	25.3
157.5°	24.1
160°	22.3
162.5°	21.1
165°	19.3
167.5°	16.9
170°	13.9
172.5°	10.8
175°	7.2
177.5°	3.6
180°	1.8



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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	8.6	9.7	9.4	10.5	11.5	8.6	9.7	9.4	10.5	11.5
	3H	11.0	12.0	11.8	12.8	13.9	11.0	12.0	11.8	12.8	13.9
	4H	12.2	13.1	13.0	14.0	15.0	12.2	13.1	13.0	14.0	15.0
	6H	13.3	14.2	14.1	15.0	16.1	13.3	14.2	14.1	15.0	16.1
	8H	13.8	14.7	14.7	15.5	16.6	13.8	14.7	14.7	15.5	16.6
	12H	14.3	15.1	15.2	16.0	17.1	14.3	15.1	15.2	16.0	17.1
4H	2H	9.2	10.2	10.0	11.0	12.0	9.2	10.2	10.0	11.0	12.0
	3H	11.9	12.7	12.7	13.6	14.6	11.9	12.7	12.7	13.6	14.6
	4H	13.2	13.9	14.0	14.8	15.9	13.2	13.9	14.0	14.8	15.9
	6H	14.5	15.1	15.3	16.0	17.1	14.5	15.1	15.3	16.0	17.1
	8H	15.1	15.7	15.9	16.6	17.7	15.1	15.7	15.9	16.6	17.7
	12H	15.7	16.2	16.5	17.1	18.3	15.7	16.2	16.5	17.1	18.3
8H	4H	13.6	14.2	14.5	15.1	16.2	13.6	14.2	14.5	15.1	16.2
	6H	15.1	15.6	16.0	16.5	17.6	15.1	15.6	16.0	16.5	17.6
	8H	15.8	16.3	16.7	17.2	18.3	15.8	16.3	16.7	17.2	18.3
	12H	16.6	17.0	17.5	17.9	19.1	16.6	17.0	17.5	17.9	19.1
12H	4H	13.7	14.3	14.6	15.2	16.3	13.7	14.3	14.6	15.2	16.3
	6H	15.2	15.7	16.1	16.6	17.8	15.2	15.7	16.1	16.6	17.8
	8H	16.0	16.5	16.9	17.4	18.5	16.0	16.5	16.9	17.4	18.5

(END OF REPORT)