

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: P1245481

Luminaire Tested: PRLX-UNA-S-935-07L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245481
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-935-07L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

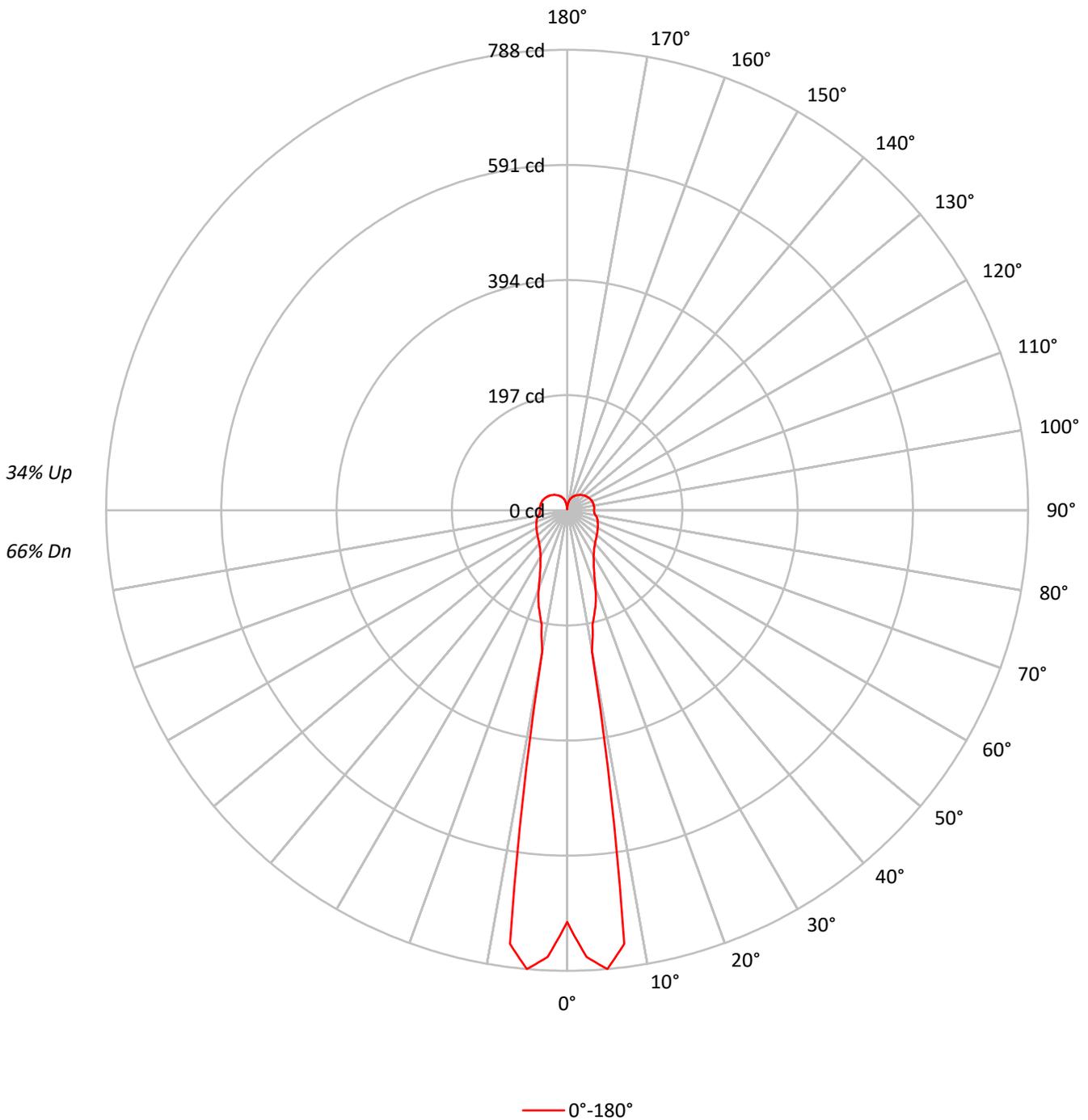
Lumens per Lamp: N/A
Luminaire Lumens: 737.0 lumens
Efficiency: N/A
Efficacy: 45.5 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

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	31	26	34	28	24		31	26	23		28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34512
5°	32025
10°	8577
15°	5596
20°	3935
25°	2750
30°	2141
35°	1794
40°	1572
45°	1422
50°	1303
55°	1213
60°	1148
65°	1092
70°	1045
75°	1006
80°	950
85°	923

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1422 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	8.4
10°-20°	51.0	6.9
20°-30°	50.7	6.9
30°-40°	50.9	6.9
40°-50°	54.0	7.3
50°-60°	56.6	7.7
60°-70°	57.5	7.8
70°-80°	56.0	7.6
80°-90°	51.2	6.9
90°-100°	50.6	6.9
100°-110°	48.5	6.6
110°-120°	43.9	6.0
120°-130°	36.8	5.0
130°-140°	28.5	3.9
140°-150°	20.0	2.7
150°-160°	12.3	1.7
160°-170°	5.6	0.8
170°-180°	0.9	0.1
0°-30°	163.6	22.2
0°-40°	214.5	29.1
0°-60°	325.1	44.1
0°-90°	489.7	66.5
90°-120°	143.1	19.4
90°-150°	228.4	31.0
90°-180°	247.0	33.5
0°-180°	737.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	704	
5°	788	62
15°	181	51
25°	108	51
35°	80	51
45°	70	54
55°	63	57
65°	58	57
75°	53	56
85°	47	39
90°	46	25
95°	47	38
105°	46	49
115°	44	44
125°	41	37
135°	37	29
145°	32	20
155°	26	12
165°	20	6
175°	8	1
180°	2	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	704.5
2.5°	764.9
5°	788.0
7.5°	748.1
10°	245.4
12.5°	200.6
15°	181.3
17.5°	163.2
20°	141.4
22.5°	121.5
25°	107.8
27.5°	98.4
30°	90.3
32.5°	85.3
35°	80.4
37.5°	77.2
40°	74.1
42.5°	71.6
45°	69.8
47.5°	67.9
50°	66.0
52.5°	64.8
55°	62.9
57.5°	61.7
60°	60.4
62.5°	59.2
65°	57.9
67.5°	56.7
70°	55.4
72.5°	54.8
75°	52.9
77.5°	51.7
80°	49.2
82.5°	47.3
85°	46.7
87.5°	46.1
90°	46.1
92.5°	46.1
95°	46.7
97.5°	46.7
100°	46.1
102.5°	46.1
105°	46.1
107.5°	45.5
110°	45.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	44.9
115°	44.2
117.5°	43.6
120°	43.0
122.5°	41.7
125°	41.1
127.5°	39.9
130°	39.2
132.5°	38.0
135°	36.8
137.5°	35.5
140°	34.3
142.5°	33.0
145°	31.8
147.5°	30.5
150°	29.3
152.5°	28.0
155°	26.2
157.5°	24.9
160°	23.0
162.5°	21.8
165°	19.9
167.5°	17.4
170°	14.3
172.5°	11.2
175°	7.5
177.5°	3.7
180°	1.9



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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	8.7	9.8	9.5	10.6	11.6	8.7	9.8	9.5	10.6	11.6
	3H	11.1	12.1	12.0	13.0	14.0	11.1	12.1	12.0	13.0	14.0
	4H	12.3	13.3	13.1	14.1	15.1	12.3	13.3	13.1	14.1	15.1
	6H	13.4	14.3	14.3	15.1	16.2	13.4	14.3	14.3	15.1	16.2
	8H	13.9	14.8	14.8	15.6	16.7	13.9	14.8	14.8	15.6	16.7
	12H	14.4	15.2	15.3	16.1	17.2	14.4	15.2	15.3	16.1	17.2
4H	2H	9.3	10.3	10.2	11.1	12.2	9.3	10.3	10.2	11.1	12.2
	3H	12.0	12.8	12.8	13.7	14.7	12.0	12.8	12.8	13.7	14.7
	4H	13.3	14.1	14.2	14.9	16.0	13.3	14.1	14.2	14.9	16.0
	6H	14.6	15.3	15.4	16.1	17.2	14.6	15.3	15.4	16.1	17.2
	8H	15.2	15.8	16.0	16.7	17.8	15.2	15.8	16.0	16.7	17.8
	12H	15.8	16.3	16.7	17.3	18.4	15.8	16.3	16.7	17.3	18.4
8H	4H	13.7	14.4	14.6	15.2	16.4	13.7	14.4	14.6	15.2	16.4
	6H	15.2	15.7	16.1	16.7	17.8	15.2	15.7	16.1	16.7	17.8
	8H	15.9	16.4	16.8	17.3	18.4	15.9	16.4	16.8	17.3	18.4
	12H	16.7	17.1	17.6	18.0	19.2	16.7	17.1	17.6	18.0	19.2
12H	4H	13.8	14.4	14.7	15.3	16.4	13.8	14.4	14.7	15.3	16.4
	6H	15.3	15.8	16.2	16.7	17.9	15.3	15.8	16.2	16.7	17.9
	8H	16.1	16.6	17.0	17.5	18.7	16.1	16.6	17.0	17.5	18.7

(END OF REPORT)