

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: P1245452

Luminaire Tested: PRLX-UNA-S-927-09L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245452
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-927-09L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

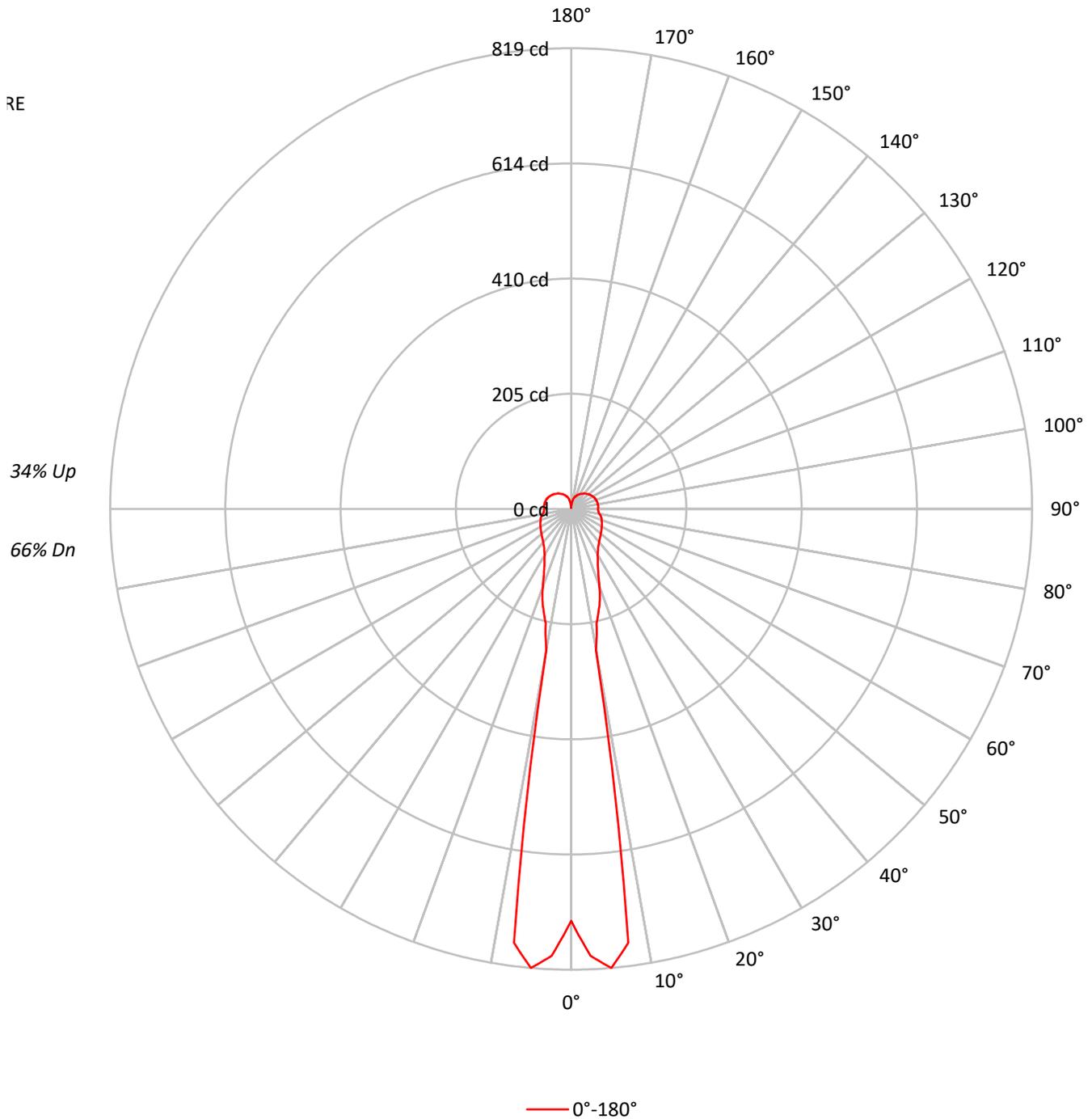
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 766.0 lumens
Efficiency: N/A
Efficacy: 36.0 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	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°	35869
5°	33285
10°	8916
15°	5815
20°	4090
25°	2857
30°	2226
35°	1863
40°	1634
45°	1477
50°	1354
55°	1262
60°	1193
65°	1135
70°	1086
75°	1046
80°	987
85°	961

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	8.4
10°-20°	53.0	6.9
20°-30°	52.6	6.9
30°-40°	52.9	6.9
40°-50°	56.1	7.3
50°-60°	58.8	7.7
60°-70°	59.7	7.8
70°-80°	58.2	7.6
80°-90°	53.2	7.0
90°-100°	52.6	6.9
100°-110°	50.4	6.6
110°-120°	45.7	6.0
120°-130°	38.2	5.0
130°-140°	29.6	3.9
140°-150°	20.8	2.7
150°-160°	12.7	1.7
160°-170°	5.9	0.8
170°-180°	1.0	0.1
0°-30°	170.0	22.2
0°-40°	222.9	29.1
0°-60°	337.9	44.1
0°-90°	509.0	66.5
90°-120°	148.7	19.4
90°-150°	237.4	31.0
90°-180°	257.0	33.6
0°-180°	766.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	732	
5°	819	64
15°	188	53
25°	112	53
35°	84	53
45°	72	56
55°	65	59
65°	60	60
75°	55	58
85°	49	40
90°	48	26
95°	49	40
105°	48	50
115°	46	46
125°	43	38
135°	38	30
145°	33	21
155°	27	13
165°	21	6
175°	8	1
180°	2	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	732.2
2.5°	795.0
5°	819.0
7.5°	777.6
10°	255.1
12.5°	208.5
15°	188.4
17.5°	169.6
20°	147.0
22.5°	126.2
25°	112.0
27.5°	102.3
30°	93.9
32.5°	88.7
35°	83.5
37.5°	80.3
40°	77.0
42.5°	74.5
45°	72.5
47.5°	70.6
50°	68.6
52.5°	67.3
55°	65.4
57.5°	64.1
60°	62.8
62.5°	61.5
65°	60.2
67.5°	58.9
70°	57.6
72.5°	57.0
75°	55.0
77.5°	53.7
80°	51.1
82.5°	49.2
85°	48.6
87.5°	47.9
90°	47.9
92.5°	47.9
95°	48.6
97.5°	48.6
100°	47.9
102.5°	47.9
105°	47.9
107.5°	47.3
110°	47.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	46.6
115°	46.0
117.5°	45.3
120°	44.7
122.5°	43.4
125°	42.7
127.5°	41.4
130°	40.8
132.5°	39.5
135°	38.2
137.5°	36.9
140°	35.6
142.5°	34.3
145°	33.0
147.5°	31.7
150°	30.4
152.5°	29.1
155°	27.2
157.5°	25.9
160°	24.0
162.5°	22.7
165°	20.7
167.5°	18.1
170°	14.9
172.5°	11.7
175°	7.8
177.5°	3.9
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	8.8	9.9	9.6	10.7	11.7	8.8	9.9	9.6	10.7	11.7
	3H	11.3	12.3	12.1	13.1	14.1	11.3	12.3	12.1	13.1	14.1
	4H	12.4	13.4	13.3	14.2	15.3	12.4	13.4	13.3	14.2	15.3
	6H	13.6	14.4	14.4	15.3	16.3	13.6	14.4	14.4	15.3	16.3
	8H	14.1	14.9	14.9	15.8	16.8	14.1	14.9	14.9	15.8	16.8
	12H	14.6	15.4	15.4	16.2	17.3	14.6	15.4	15.4	16.2	17.3
4H	2H	9.5	10.4	10.3	11.2	12.3	9.5	10.4	10.3	11.2	12.3
	3H	12.1	12.9	13.0	13.8	14.9	12.1	12.9	13.0	13.8	14.9
	4H	13.4	14.2	14.3	15.1	16.1	13.4	14.2	14.3	15.1	16.1
	6H	14.7	15.4	15.6	16.3	17.4	14.7	15.4	15.6	16.3	17.4
	8H	15.3	15.9	16.2	16.8	17.9	15.3	15.9	16.2	16.8	17.9
	12H	15.9	16.5	16.8	17.4	18.5	15.9	16.5	16.8	17.4	18.5
8H	4H	13.9	14.5	14.7	15.4	16.5	13.9	14.5	14.7	15.4	16.5
	6H	15.3	15.9	16.2	16.8	17.9	15.3	15.9	16.2	16.8	17.9
	8H	16.1	16.5	17.0	17.5	18.6	16.1	16.5	17.0	17.5	18.6
	12H	16.8	17.3	17.7	18.2	19.3	16.8	17.3	17.7	18.2	19.3
12H	4H	13.9	14.5	14.8	15.4	16.5	13.9	14.5	14.8	15.4	16.5
	6H	15.5	16.0	16.4	16.9	18.0	15.5	16.0	16.4	16.9	18.0
	8H	16.3	16.7	17.2	17.6	18.8	16.3	16.7	17.2	17.6	18.8

(END OF REPORT)