

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: P1245489

Luminaire Tested: PRLX-UNA-S-940-02L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245489
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-940-02L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

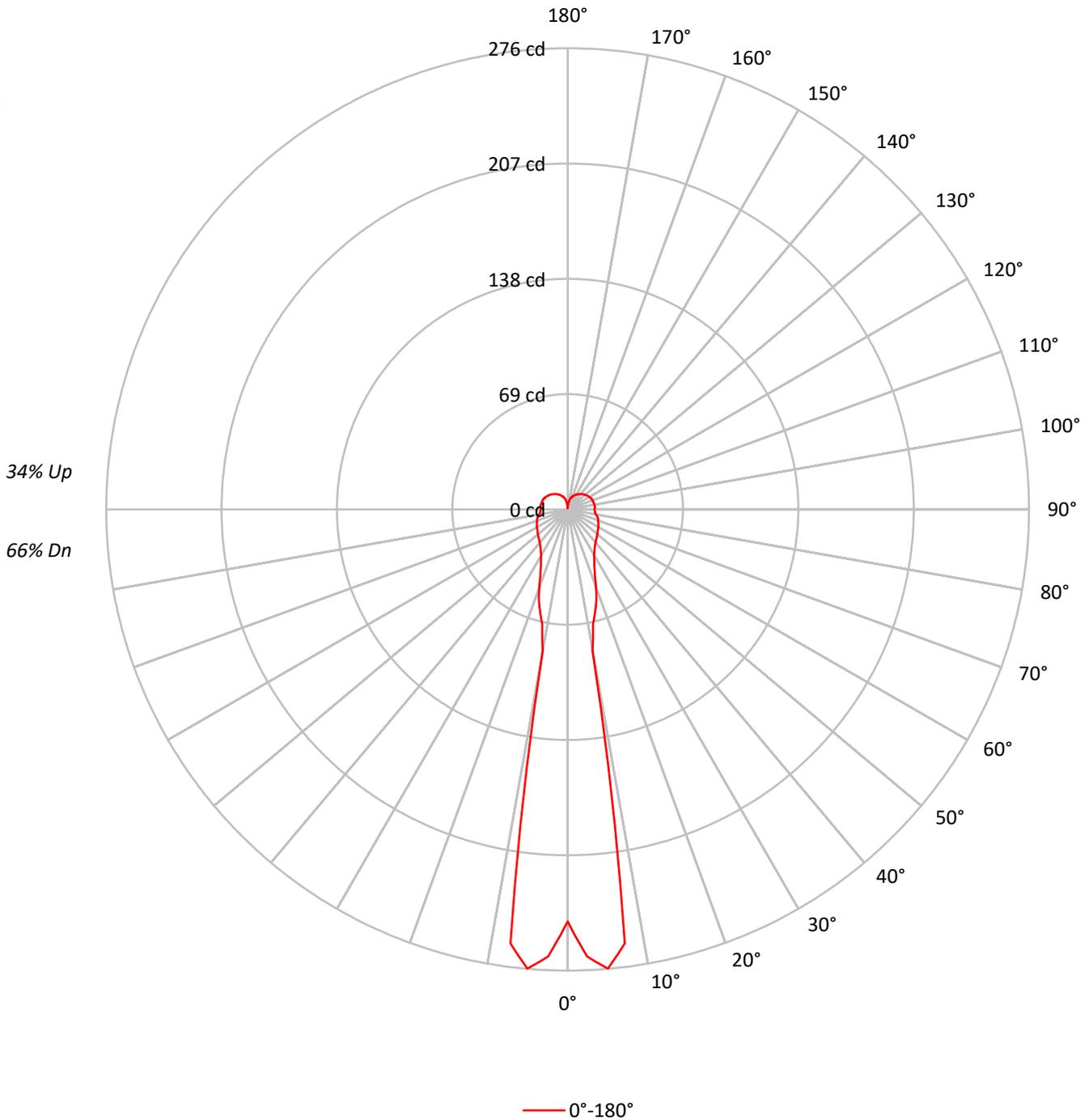
Lumens per Lamp: N/A
Luminaire Lumens: 258.0 lumens
Efficiency: N/A
Efficacy: 40.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 6.3
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°	12080
5°	11213
10°	3002
15°	1960
20°	1377
25°	962
30°	749
35°	627
40°	550
45°	497
50°	456
55°	424
60°	403
65°	383
70°	366
75°	352
80°	332
85°	324

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 497 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	8.4
10°-20°	17.9	6.9
20°-30°	17.7	6.9
30°-40°	17.8	6.9
40°-50°	18.9	7.3
50°-60°	19.8	7.7
60°-70°	20.1	7.8
70°-80°	19.6	7.6
80°-90°	17.9	7.0
90°-100°	17.7	6.9
100°-110°	17.0	6.6
110°-120°	15.4	6.0
120°-130°	12.9	5.0
130°-140°	10.0	3.9
140°-150°	7.0	2.7
150°-160°	4.3	1.7
160°-170°	2.0	0.8
170°-180°	0.3	0.1
0°-30°	57.3	22.2
0°-40°	75.1	29.1
0°-60°	113.8	44.1
0°-90°	171.4	66.5
90°-120°	50.1	19.4
90°-150°	79.9	31.0
90°-180°	87.0	33.7
0°-180°	258.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	247	
5°	276	22
15°	64	18
25°	38	18
35°	28	18
45°	24	19
55°	22	20
65°	20	20
75°	18	20
85°	16	14
90°	16	9
95°	16	13
105°	16	17
115°	16	15
125°	14	13
135°	13	10
145°	11	7
155°	9	4
165°	7	2
175°	3	0
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	246.6
2.5°	267.8
5°	275.9
7.5°	261.9
10°	85.9
12.5°	70.2
15°	63.5
17.5°	57.1
20°	49.5
22.5°	42.5
25°	37.7
27.5°	34.5
30°	31.6
32.5°	29.9
35°	28.1
37.5°	27.0
40°	25.9
42.5°	25.1
45°	24.4
47.5°	23.8
50°	23.1
52.5°	22.7
55°	22.0
57.5°	21.6
60°	21.2
62.5°	20.7
65°	20.3
67.5°	19.8
70°	19.4
72.5°	19.2
75°	18.5
77.5°	18.1
80°	17.2
82.5°	16.6
85°	16.4
87.5°	16.1
90°	16.1
92.5°	16.1
95°	16.4
97.5°	16.4
100°	16.1
102.5°	16.1
105°	16.1
107.5°	15.9
110°	15.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	15.7
115°	15.5
117.5°	15.3
120°	15.0
122.5°	14.6
125°	14.4
127.5°	14.0
130°	13.7
132.5°	13.3
135°	12.9
137.5°	12.4
140°	12.0
142.5°	11.6
145°	11.1
147.5°	10.7
150°	10.2
152.5°	9.8
155°	9.2
157.5°	8.7
160°	8.1
162.5°	7.6
165°	7.0
167.5°	6.1
170°	5.0
172.5°	3.9
175°	2.6
177.5°	1.3
180°	0.7



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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	5.1	6.1	5.9	7.0	8.0	5.1	6.1	5.9	7.0	8.0
	3H	7.5	8.5	8.3	9.3	10.4	7.5	8.5	8.3	9.3	10.4
	4H	8.7	9.6	9.5	10.4	11.5	8.7	9.6	9.5	10.4	11.5
	6H	9.8	10.7	10.6	11.5	12.6	9.8	10.7	10.6	11.5	12.6
	8H	10.3	11.1	11.1	12.0	13.0	10.3	11.1	11.1	12.0	13.0
	12H	10.8	11.6	11.6	12.4	13.5	10.8	11.6	11.6	12.4	13.5
4H	2H	5.7	6.6	6.5	7.5	8.5	5.7	6.6	6.5	7.5	8.5
	3H	8.3	9.2	9.2	10.0	11.1	8.3	9.2	9.2	10.0	11.1
	4H	9.7	10.4	10.5	11.3	12.4	9.7	10.4	10.5	11.3	12.4
	6H	10.9	11.6	11.8	12.5	13.6	10.9	11.6	11.8	12.5	13.6
	8H	11.5	12.2	12.4	13.0	14.2	11.5	12.2	12.4	13.0	14.2
	12H	12.1	12.7	13.0	13.6	14.7	12.1	12.7	13.0	13.6	14.7
8H	4H	10.1	10.7	10.9	11.6	12.7	10.1	10.7	10.9	11.6	12.7
	6H	11.5	12.1	12.4	13.0	14.1	11.5	12.1	12.4	13.0	14.1
	8H	12.3	12.8	13.2	13.7	14.8	12.3	12.8	13.2	13.7	14.8
	12H	13.1	13.5	14.0	14.4	15.6	13.1	13.5	14.0	14.4	15.6
12H	4H	10.2	10.7	11.0	11.6	12.7	10.2	10.7	11.0	11.6	12.7
	6H	11.7	12.2	12.6	13.1	14.2	11.7	12.2	12.6	13.1	14.2
	8H	12.5	12.9	13.4	13.8	15.0	12.5	12.9	13.4	13.8	15.0

(END OF REPORT)