

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: P1245495

Luminaire Tested: PRLX-UNA-S-940-07L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245495
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-940-07L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

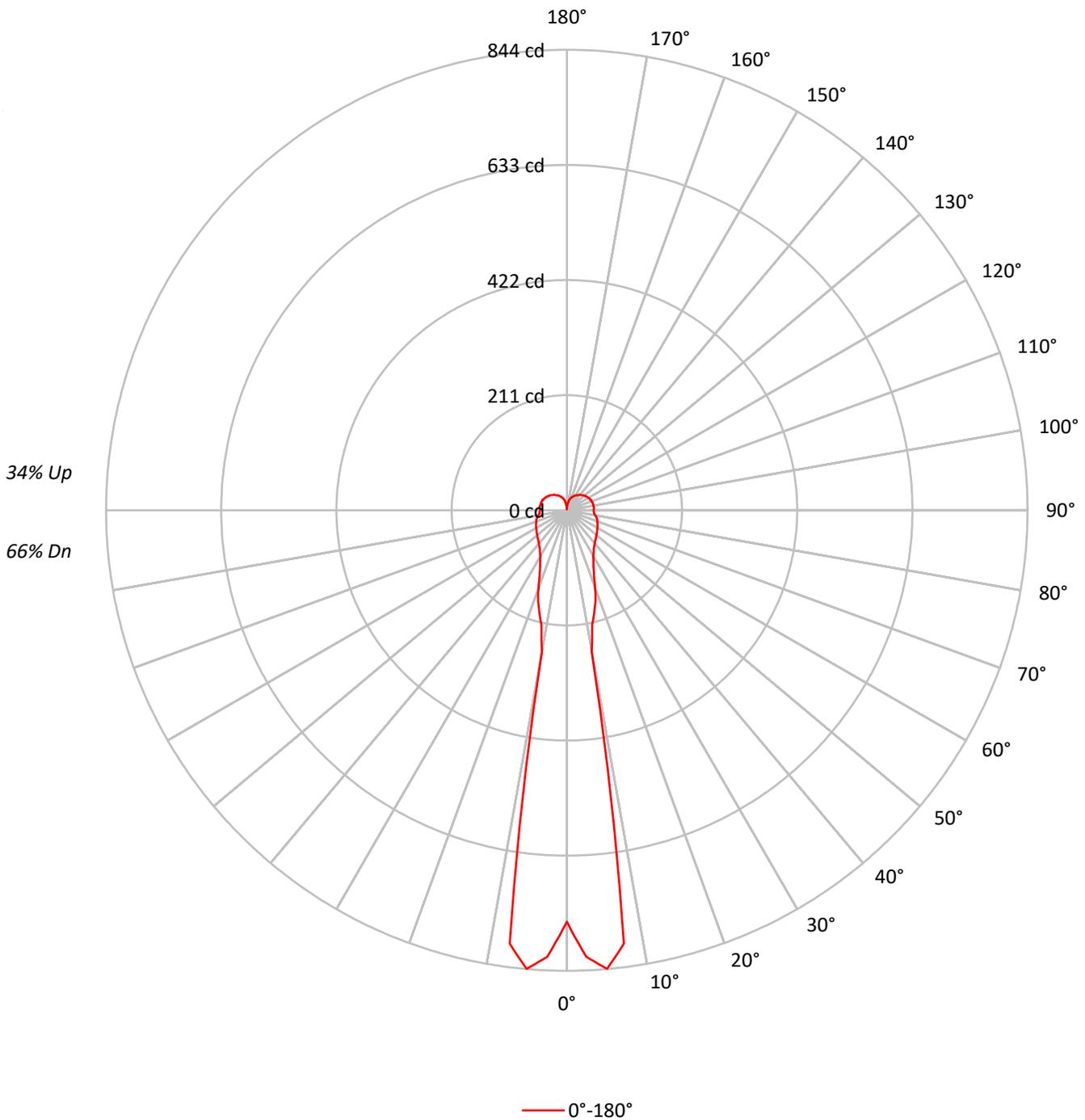
Lumens per Lamp: N/A
Luminaire Lumens: 789.0 lumens
Efficiency: N/A
Efficacy: 48.7 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 16.2
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P1245495

CATALOG NUMBER: PRLX-UNA-S-940-07L-U-OW

Luminous Intensity Polar Plot





TEST NUMBER: P1245495

CATALOG NUMBER: PRLX-UNA-S-940-07L-U-OW

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°	36947
5°	34285
10°	9182
15°	5991
20°	4213
25°	2943
30°	2293
35°	1919
40°	1685
45°	1522
50°	1396
55°	1300
60°	1229
65°	1169
70°	1120
75°	1078
80°	1018
85°	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1522 cd/sqm



TEST NUMBER: P1245495

CATALOG NUMBER: PRLX-UNA-S-940-07L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	8.4
10°-20°	54.6	6.9
20°-30°	54.2	6.9
30°-40°	54.5	6.9
40°-50°	57.8	7.3
50°-60°	60.6	7.7
60°-70°	61.5	7.8
70°-80°	60.0	7.6
80°-90°	54.8	6.9
90°-100°	54.2	6.9
100°-110°	51.9	6.6
110°-120°	47.0	6.0
120°-130°	39.4	5.0
130°-140°	30.5	3.9
140°-150°	21.4	2.7
150°-160°	13.1	1.7
160°-170°	6.0	0.8
170°-180°	1.0	0.1
0°-30°	175.2	22.2
0°-40°	229.6	29.1
0°-60°	348.1	44.1
0°-90°	524.4	66.5
90°-120°	153.1	19.4
90°-150°	244.4	31.0
90°-180°	265.0	33.6
0°-180°	789.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	754	
5°	844	66
15°	194	55
25°	115	54
35°	86	54
45°	75	58
55°	67	61
65°	62	62
75°	57	60
85°	50	41
90°	49	27
95°	50	41
105°	49	52
115°	47	47
125°	44	39
135°	39	31
145°	34	21
155°	28	13
165°	21	6
175°	8	1
180°	2	

TEST NUMBER: P1245495

CATALOG NUMBER: PRLX-UNA-S-940-07L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	754.2
2.5°	818.9
5°	843.6
7.5°	800.9
10°	262.7
12.5°	214.7
15°	194.1
17.5°	174.7
20°	151.4
22.5°	130.0
25°	115.4
27.5°	105.4
30°	96.7
32.5°	91.4
35°	86.0
37.5°	82.7
40°	79.4
42.5°	76.7
45°	74.7
47.5°	72.7
50°	70.7
52.5°	69.4
55°	67.4
57.5°	66.0
60°	64.7
62.5°	63.4
65°	62.0
67.5°	60.7
70°	59.4
72.5°	58.7
75°	56.7
77.5°	55.4
80°	52.7
82.5°	50.7
85°	50.0
87.5°	49.3
90°	49.3
92.5°	49.3
95°	50.0
97.5°	50.0
100°	49.3
102.5°	49.3
105°	49.3
107.5°	48.7
110°	48.7

TEST NUMBER: P1245495

CATALOG NUMBER: PRLX-UNA-S-940-07L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	48.0
115°	47.3
117.5°	46.7
120°	46.0
122.5°	44.7
125°	44.0
127.5°	42.7
130°	42.0
132.5°	40.7
135°	39.3
137.5°	38.0
140°	36.7
142.5°	35.3
145°	34.0
147.5°	32.7
150°	31.3
152.5°	30.0
155°	28.0
157.5°	26.7
160°	24.7
162.5°	23.3
165°	21.3
167.5°	18.7
170°	15.3
172.5°	12.0
175°	8.0
177.5°	4.0
180°	2.0



TEST NUMBER: P1245495

CATALOG NUMBER: PRLX-UNA-S-940-07L-U-OW

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	8.9	10.0	9.7	10.8	11.8	8.9	10.0	9.7	10.8	11.8
	3H	11.4	12.4	12.2	13.2	14.2	11.4	12.4	12.2	13.2	14.2
	4H	12.6	13.5	13.4	14.3	15.4	12.6	13.5	13.4	14.3	15.4
	6H	13.7	14.5	14.5	15.4	16.5	13.7	14.5	14.5	15.4	16.5
	8H	14.2	15.0	15.0	15.9	16.9	14.2	15.0	15.0	15.9	16.9
	12H	14.7	15.5	15.5	16.3	17.4	14.7	15.5	15.5	16.3	17.4
4H	2H	9.6	10.5	10.4	11.3	12.4	9.6	10.5	10.4	11.3	12.4
	3H	12.2	13.0	13.1	13.9	15.0	12.2	13.0	13.1	13.9	15.0
	4H	13.5	14.3	14.4	15.2	16.3	13.5	14.3	14.4	15.2	16.3
	6H	14.8	15.5	15.7	16.4	17.5	14.8	15.5	15.7	16.4	17.5
	8H	15.4	16.0	16.3	16.9	18.0	15.4	16.0	16.3	16.9	18.0
	12H	16.0	16.6	16.9	17.5	18.6	16.0	16.6	16.9	17.5	18.6
8H	4H	14.0	14.6	14.8	15.5	16.6	14.0	14.6	14.8	15.5	16.6
	6H	15.4	16.0	16.3	16.9	18.0	15.4	16.0	16.3	16.9	18.0
	8H	16.2	16.7	17.1	17.6	18.7	16.2	16.7	17.1	17.6	18.7
	12H	16.9	17.4	17.8	18.3	19.4	16.9	17.4	17.8	18.3	19.4
12H	4H	14.0	14.6	14.9	15.5	16.6	14.0	14.6	14.9	15.5	16.6
	6H	15.6	16.1	16.5	17.0	18.1	15.6	16.1	16.5	17.0	18.1
	8H	16.4	16.8	17.3	17.7	18.9	16.4	16.8	17.3	17.7	18.9

(END OF REPORT)