

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: P1245496

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

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245496  
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-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

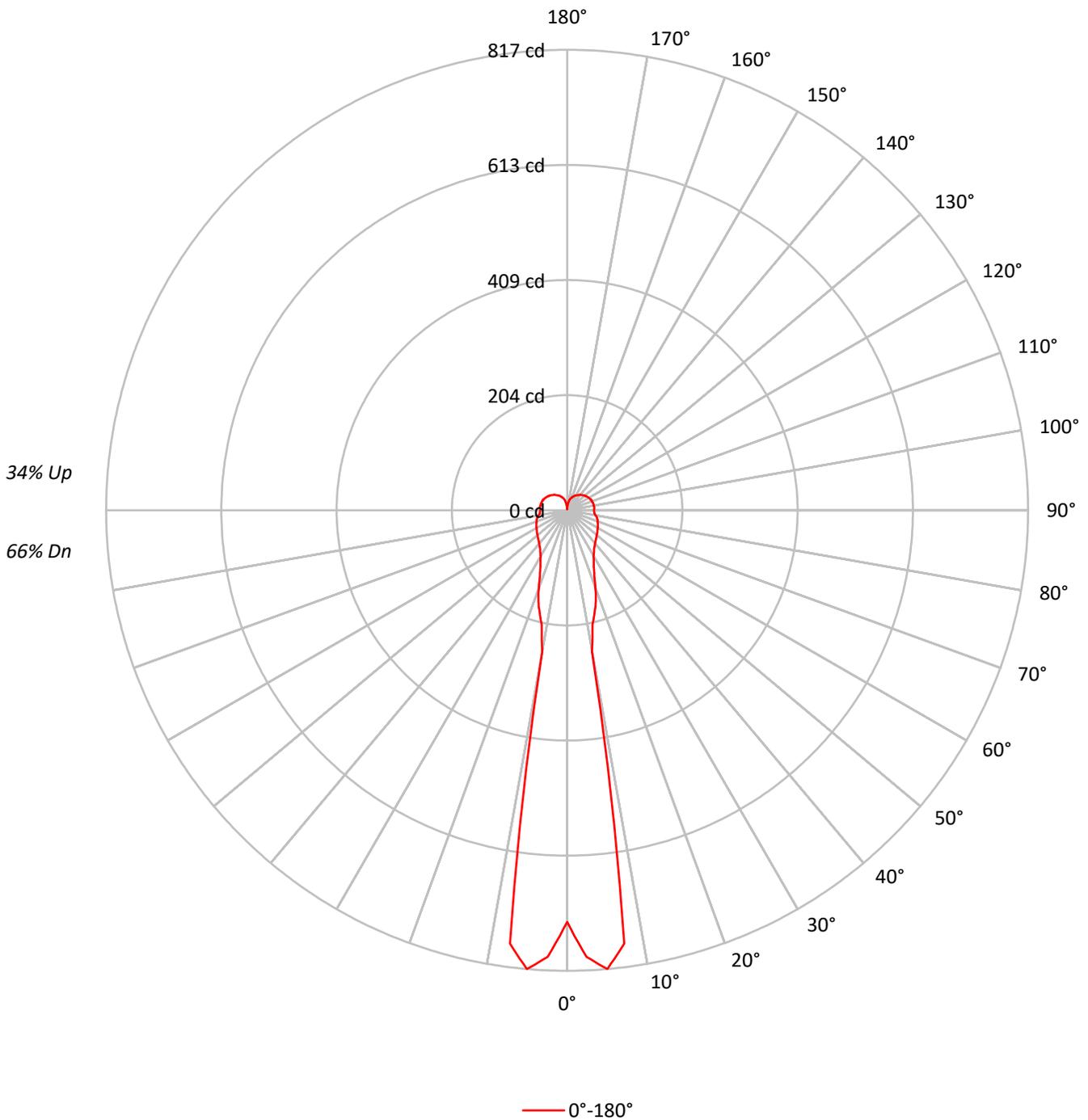
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 764.0 lumens  
Efficiency: N/A  
Efficacy: 47.2 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<sub>in</sub>): 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: P1245496

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

### Luminous Intensity Polar Plot





TEST NUMBER: P1245496

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

**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°	35776
5°	33200
10°	8892
15°	5800
20°	4079
25°	2849
30°	2219
35°	1858
40°	1630
45°	1473
50°	1350
55°	1258
60°	1189
65°	1133
70°	1085
75°	1044
80°	985
85°	957

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1473 cd/sqm

TEST NUMBER: P1245496

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.2	8.4
10°-20°	52.9	6.9
20°-30°	52.5	6.9
30°-40°	52.7	6.9
40°-50°	56.0	7.3
50°-60°	58.7	7.7
60°-70°	59.6	7.8
70°-80°	58.0	7.6
80°-90°	53.1	7.0
90°-100°	52.5	6.9
100°-110°	50.3	6.6
110°-120°	45.5	6.0
120°-130°	38.1	5.0
130°-140°	29.6	3.9
140°-150°	20.7	2.7
150°-160°	12.7	1.7
160°-170°	5.9	0.8
170°-180°	1.0	0.1
0°-30°	169.6	22.2
0°-40°	222.3	29.1
0°-60°	337.0	44.1
0°-90°	507.7	66.5
90°-120°	148.3	19.4
90°-150°	236.7	31.0
90°-180°	256.0	33.5
0°-180°	764.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	730	
5°	817	64
15°	188	53
25°	112	53
35°	83	53
45°	72	56
55°	65	59
65°	60	60
75°	55	58
85°	48	40
90°	48	26
95°	48	39
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	

TEST NUMBER: P1245496

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

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	730.3
2.5°	793.0
5°	816.9
7.5°	775.5
10°	254.4
12.5°	207.9
15°	187.9
17.5°	169.2
20°	146.6
22.5°	125.9
25°	111.7
27.5°	102.0
30°	93.6
32.5°	88.5
35°	83.3
37.5°	80.1
40°	76.8
42.5°	74.3
45°	72.3
47.5°	70.4
50°	68.4
52.5°	67.2
55°	65.2
57.5°	63.9
60°	62.6
62.5°	61.3
65°	60.1
67.5°	58.8
70°	57.5
72.5°	56.8
75°	54.9
77.5°	53.6
80°	51.0
82.5°	49.1
85°	48.4
87.5°	47.8
90°	47.8
92.5°	47.8
95°	48.4
97.5°	48.4
100°	47.8
102.5°	47.8
105°	47.8
107.5°	47.1
110°	47.1



TEST NUMBER: P1245496

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

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	46.5
115°	45.8
117.5°	45.2
120°	44.6
122.5°	43.3
125°	42.6
127.5°	41.3
130°	40.7
132.5°	39.4
135°	38.1
137.5°	36.8
140°	35.5
142.5°	34.2
145°	32.9
147.5°	31.6
150°	30.3
152.5°	29.1
155°	27.1
157.5°	25.8
160°	23.9
162.5°	22.6
165°	20.7
167.5°	18.1
170°	14.9
172.5°	11.6
175°	7.7
177.5°	3.9
180°	1.9



TEST NUMBER: P1245496

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

**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	9.4	10.4	10.3	11.2	12.3	9.4	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	15.9	16.4	16.9	18.0	15.5	15.9	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)