

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: P1244993

Luminaire Tested: PRLX-MIN-S-940-09L-U-NL

Issue Date: 1/30/2026

**Test Information**

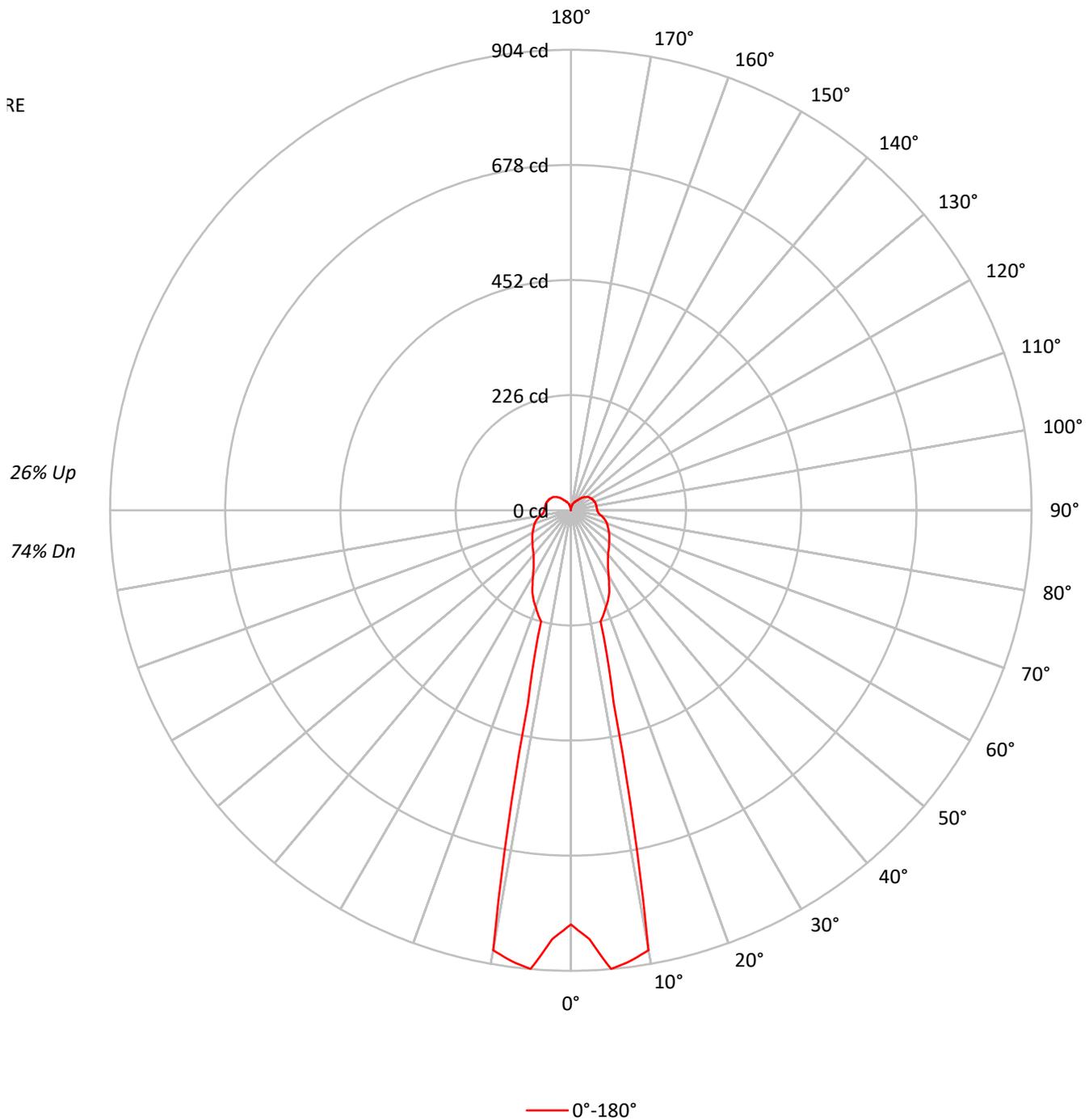
Test Method: LM-79-2019  
Report Number: P1244993  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-MIN-S-940-09L-U-NL  
Description: 3D PRINTED 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: 963.0 lumens  
Efficiency: N/A  
Efficacy: 45.2 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38  
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')  
CIE Type: Semi-Direct  
  
Input Watts (W): 21.3  
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: P1244993  
CATALOG NUMBER: PRLX-MIN-S-940-09L-U-NL

### Luminous Intensity Polar Plot



TEST NUMBER: P1244993

CATALOG NUMBER: PRLX-MIN-S-940-09L-U-NL

**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	113	113	113	113	107	107	107	107	97	97	97		87	87	87		78	78	78	74
1	101	96	91	87	96	91	87	83	82	79	76		74	71	69		66	64	62	58
2	92	84	77	71	87	80	73	68	72	67	63		65	61	57		58	55	52	49
3	85	74	66	60	80	71	63	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	63	56	50	58	51	46		52	47	43		47	43	40	37
5	72	60	52	46	68	58	50	44	53	46	41		48	43	38		44	39	36	33
6	67	55	47	41	64	53	45	39	48	42	37		44	39	35		40	36	33	30
7	63	51	42	37	60	49	41	36	45	38	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	35	31		38	33	29		35	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		33	29	26	24
10	53	41	34	29	50	39	33	28	37	31	27		34	29	26		32	27	24	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	22403
5°	22284
10°	19706
15°	4690
20°	3920
25°	3291
30°	2616
35°	2162
40°	1885
45°	1719
50°	1582
55°	1483
60°	1395
65°	1316
70°	1256
75°	1179
80°	1080
85°	1008

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1719 cd/sqm



TEST NUMBER: P1244993

CATALOG NUMBER: PRLX-MIN-S-940-09L-U-NL

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.3	8.8
10°-20°	89.0	9.2
20°-30°	81.0	8.4
30°-40°	80.2	8.3
40°-50°	81.6	8.5
50°-60°	82.6	8.6
60°-70°	80.0	8.3
70°-80°	72.3	7.5
80°-90°	59.6	6.2
90°-100°	55.8	5.8
100°-110°	53.3	5.5
110°-120°	47.6	4.9
120°-130°	39.4	4.1
130°-140°	28.2	2.9
140°-150°	16.2	1.7
150°-160°	8.4	0.9
160°-170°	3.2	0.3
170°-180°	0.2	0.0
0°-30°	254.3	26.4
0°-40°	334.5	34.7
0°-60°	498.7	51.8
0°-90°	710.7	73.8
90°-120°	156.7	16.3
90°-150°	240.5	25.0
90°-180°	252.0	26.2
0°-180°	963.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	813	
5°	904	84
15°	226	89
25°	178	81
35°	127	80
45°	106	82
55°	92	83
65°	80	80
75°	69	72
85°	54	45
90°	52	28
95°	51	42
105°	50	53
115°	48	48
125°	44	39
135°	36	28
145°	25	16
155°	18	8
165°	11	3
175°	1	0
180°	0	

TEST NUMBER: P1244993

CATALOG NUMBER: PRLX-MIN-S-940-09L-U-NL

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	813.0
2.5°	842.5
5°	903.7
7.5°	892.6
10°	877.1
12.5°	388.0
15°	225.7
17.5°	213.9
20°	201.4
22.5°	191.1
25°	178.5
27.5°	162.3
30°	148.3
32.5°	135.7
35°	126.9
37.5°	119.5
40°	113.6
42.5°	109.2
45°	105.5
47.5°	101.8
50°	98.1
52.5°	95.2
55°	92.2
57.5°	89.3
60°	86.3
62.5°	83.4
65°	80.4
67.5°	78.2
70°	75.2
72.5°	72.3
75°	68.6
77.5°	64.9
80°	60.5
82.5°	56.1
85°	53.9
87.5°	52.4
90°	51.6
92.5°	51.6
95°	50.9
97.5°	50.9
100°	50.9
102.5°	50.9
105°	50.2
107.5°	50.2
110°	49.4

TEST NUMBER: P1244993

CATALOG NUMBER: PRLX-MIN-S-940-09L-U-NL

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	48.7
115°	48.0
117.5°	47.2
120°	46.5
122.5°	45.0
125°	44.3
127.5°	42.8
130°	40.6
132.5°	39.1
135°	36.1
137.5°	33.9
140°	31.0
142.5°	28.0
145°	25.1
147.5°	22.9
150°	21.4
152.5°	19.9
155°	17.7
157.5°	16.2
160°	14.8
162.5°	13.3
165°	11.1
167.5°	8.9
170°	5.9
172.5°	3.0
175°	0.7
177.5°	0.0
180°	0.0



TEST NUMBER: P1244993

CATALOG NUMBER: PRLX-MIN-S-940-09L-U-NL

**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	10.0	11.2	10.8	11.9	12.8	10.0	11.2	10.8	11.9	12.8
	3H	12.4	13.4	13.1	14.2	15.1	12.4	13.4	13.1	14.2	15.1
	4H	13.4	14.4	14.2	15.2	16.1	13.4	14.4	14.2	15.2	16.1
	6H	14.4	15.3	15.1	16.1	17.0	14.4	15.3	15.1	16.1	17.0
	8H	14.8	15.7	15.6	16.5	17.4	14.8	15.7	15.6	16.5	17.4
	12H	15.2	16.1	16.0	16.8	17.8	15.2	16.1	16.0	16.8	17.8
4H	2H	10.6	11.6	11.4	12.4	13.3	10.6	11.6	11.4	12.4	13.3
	3H	13.2	14.0	13.9	14.8	15.8	13.2	14.0	13.9	14.8	15.8
	4H	14.4	15.2	15.1	16.0	16.9	14.4	15.2	15.1	16.0	16.9
	6H	15.5	16.2	16.3	17.0	18.0	15.5	16.2	16.3	17.0	18.0
	8H	16.0	16.7	16.8	17.5	18.5	16.0	16.7	16.8	17.5	18.5
	12H	16.5	17.1	17.3	17.9	18.9	16.5	17.1	17.3	17.9	18.9
8H	4H	14.8	15.4	15.6	16.2	17.2	14.8	15.4	15.6	16.2	17.2
	6H	16.1	16.6	16.9	17.5	18.5	16.1	16.6	16.9	17.5	18.5
	8H	16.7	17.2	17.5	18.0	19.0	16.7	17.2	17.5	18.0	19.0
	12H	17.3	17.8	18.2	18.6	19.7	17.3	17.8	18.2	18.6	19.7
12H	4H	14.8	15.4	15.6	16.3	17.2	14.8	15.4	15.6	16.3	17.2
	6H	16.2	16.7	17.0	17.5	18.6	16.2	16.7	17.0	17.5	18.6
	8H	16.9	17.3	17.7	18.2	19.2	16.9	17.3	17.7	18.2	19.2

(END OF REPORT)