

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: P1245284

Luminaire Tested: PRLX-NIM-S-940-12L-U-NL

Issue Date: 1/30/2026

**Test Information**

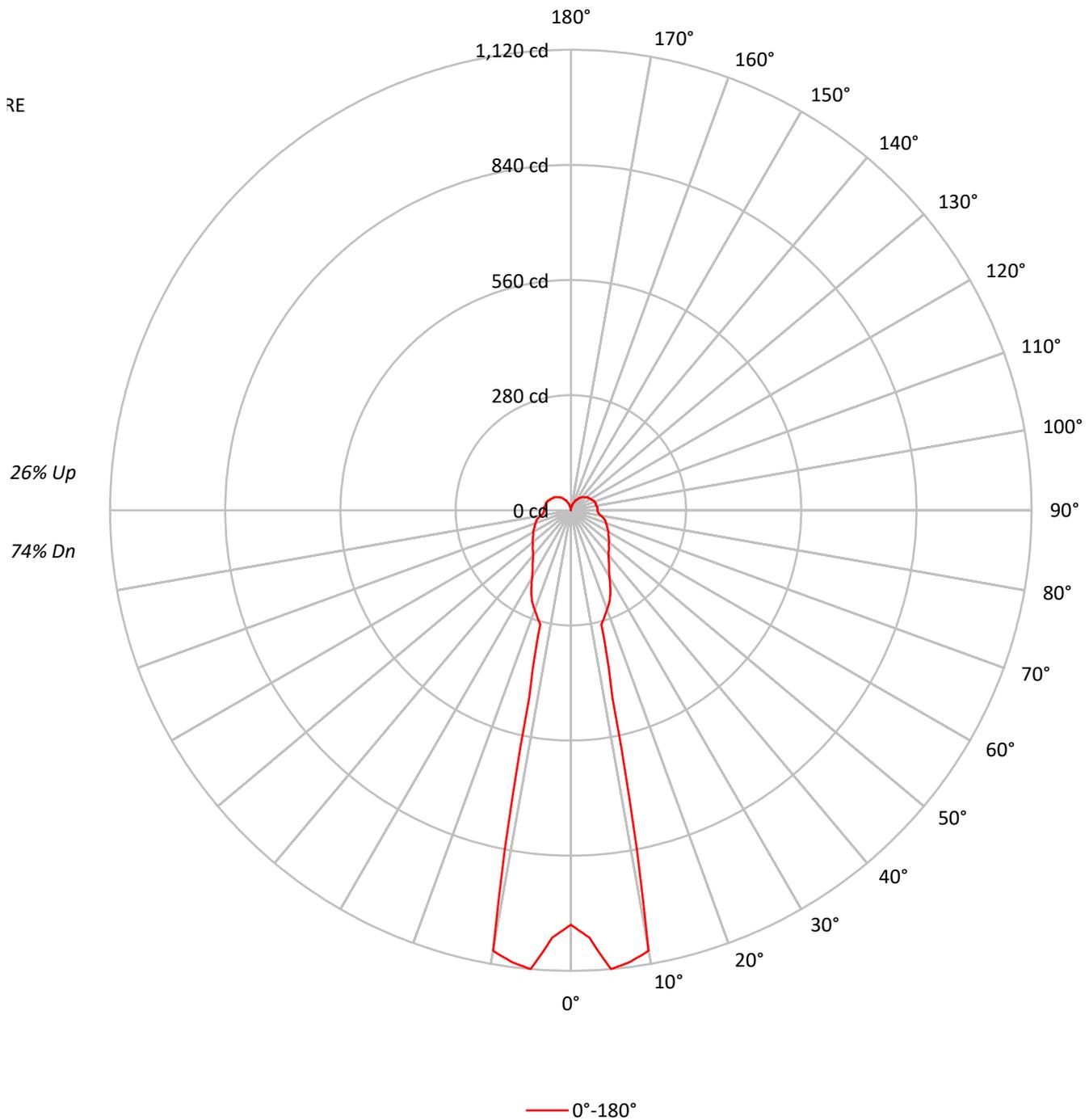
Test Method: LM-79-2019  
Report Number: P1245284  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-S-940-12L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1197.1 lumens  
Efficiency: N/A  
Efficacy: 41.4 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')  
CIE Type: Semi-Direct  
  
Input Watts (W): 28.9  
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: P1245284  
CATALOG NUMBER: PRLX-NIM-S-940-12L-U-NL

### Luminous Intensity Polar Plot





TEST NUMBER: P1245284

CATALOG NUMBER: PRLX-NIM-S-940-12L-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	96	96	96		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	64	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	64	56	50	58	52	47		52	47	43		47	43	40	37
5	72	60	52	46	69	58	50	44	53	46	41		48	43	39		44	39	36	33
6	68	55	47	41	64	53	45	40	48	42	37		44	39	35		41	36	33	30
7	63	51	43	37	60	49	41	36	45	39	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	36	31		39	33	30		36	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		34	29	26	24
10	53	41	34	29	51	40	33	28	37	31	27		34	29	26		32	28	24	23

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

	0°
0°	31889
5°	31469
10°	27672
15°	6719
20°	5606
25°	4666
30°	3687
35°	3059
40°	2614
45°	2365
50°	2143
55°	1977
60°	1868
65°	1732
70°	1646
75°	1568
80°	1414
85°	1346

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2365 cd/sqm



TEST NUMBER: P1245284

CATALOG NUMBER: PRLX-NIM-S-940-12L-U-NL

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.5	8.7
10°-20°	110.8	9.3
20°-30°	103.2	8.6
30°-40°	101.7	8.5
40°-50°	101.3	8.5
50°-60°	100.8	8.4
60°-70°	97.1	8.1
70°-80°	88.4	7.4
80°-90°	73.6	6.1
90°-100°	70.4	5.9
100°-110°	65.9	5.5
110°-120°	57.9	4.8
120°-130°	47.3	3.9
130°-140°	35.2	2.9
140°-150°	22.7	1.9
150°-160°	11.8	1.0
160°-170°	4.1	0.3
170°-180°	0.4	0.0
0°-30°	318.5	26.6
0°-40°	420.2	35.1
0°-60°	622.4	52.0
0°-90°	881.5	73.6
90°-120°	194.2	16.2
90°-150°	299.4	25.0
90°-180°	316.0	26.4
0°-180°	1197.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1008	
5°	1120	105
15°	287	111
25°	227	103
35°	162	102
45°	132	101
55°	112	101
65°	97	97
75°	84	88
85°	67	56
90°	65	36
95°	65	53
105°	63	66
115°	58	58
125°	52	47
135°	45	35
145°	37	23
155°	26	12
165°	13	4
175°	2	0
180°	0	

TEST NUMBER: P1245284

CATALOG NUMBER: PRLX-NIM-S-940-12L-U-NL

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1008.0
2.5°	1040.4
5°	1120.2
7.5°	1107.3
10°	1087.9
12.5°	466.2
15°	287.1
17.5°	272.0
20°	256.9
22.5°	243.9
25°	226.6
27.5°	207.2
30°	187.8
32.5°	172.7
35°	161.9
37.5°	151.1
40°	142.5
42.5°	136.0
45°	131.7
47.5°	125.2
50°	120.9
52.5°	116.6
55°	112.2
57.5°	107.9
60°	105.8
62.5°	101.4
65°	97.1
67.5°	95.0
70°	90.7
72.5°	88.5
75°	84.2
77.5°	79.9
80°	73.4
82.5°	69.1
85°	66.9
87.5°	64.8
90°	64.8
92.5°	64.8
95°	64.8
97.5°	64.8
100°	62.6
102.5°	62.6
105°	62.6
107.5°	62.6
110°	60.4



TEST NUMBER: P1245284

CATALOG NUMBER: PRLX-NIM-S-940-12L-U-NL

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	60.4
115°	58.3
117.5°	56.1
120°	56.1
122.5°	54.0
125°	51.8
127.5°	51.8
130°	49.6
132.5°	47.5
135°	45.3
137.5°	43.2
140°	41.0
142.5°	38.9
145°	36.7
147.5°	32.4
150°	30.2
152.5°	28.1
155°	25.9
157.5°	21.6
160°	19.4
162.5°	17.3
165°	13.0
167.5°	10.8
170°	8.6
172.5°	4.3
175°	2.2
177.5°	0.0
180°	0.0



TEST NUMBER: P1245284

CATALOG NUMBER: PRLX-NIM-S-940-12L-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	10.9	12.1	11.6	12.8	13.7	10.9	12.1	11.6	12.8	13.7
	3H	13.2	14.3	14.0	15.0	15.9	13.2	14.3	14.0	15.0	15.9
	4H	14.3	15.3	15.0	16.0	17.0	14.3	15.3	15.0	16.0	17.0
	6H	15.3	16.2	16.0	17.0	17.9	15.3	16.2	16.0	17.0	17.9
	8H	15.7	16.6	16.5	17.4	18.3	15.7	16.6	16.5	17.4	18.3
	12H	16.1	17.0	16.9	17.7	18.7	16.1	17.0	16.9	17.7	18.7
4H	2H	11.5	12.5	12.3	13.3	14.2	11.5	12.5	12.3	13.3	14.2
	3H	14.0	14.9	14.8	15.7	16.6	14.0	14.9	14.8	15.7	16.6
	4H	15.3	16.0	16.0	16.8	17.8	15.3	16.0	16.0	16.8	17.8
	6H	16.4	17.1	17.2	17.9	18.9	16.4	17.1	17.2	17.9	18.9
	8H	16.9	17.6	17.7	18.4	19.4	16.9	17.6	17.7	18.4	19.4
	12H	17.4	18.0	18.2	18.8	19.8	17.4	18.0	18.2	18.8	19.8
8H	4H	15.7	16.3	16.4	17.1	18.1	15.7	16.3	16.4	17.1	18.1
	6H	17.0	17.5	17.8	18.4	19.4	17.0	17.5	17.8	18.4	19.4
	8H	17.6	18.1	18.4	18.9	19.9	17.6	18.1	18.4	18.9	19.9
	12H	18.3	18.7	19.1	19.6	20.6	18.3	18.7	19.1	19.6	20.6
12H	4H	15.7	16.3	16.5	17.1	18.1	15.7	16.3	16.5	17.1	18.1
	6H	17.1	17.6	17.9	18.4	19.5	17.1	17.6	17.9	18.4	19.5
	8H	17.8	18.2	18.6	19.1	20.1	17.8	18.2	18.6	19.1	20.1

(END OF REPORT)