

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: P1244989

Luminaire Tested: PRLX-MIN-S-940-05L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244989  
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-940-05L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 2  
Light Source: -  
Ballast/Driver: -

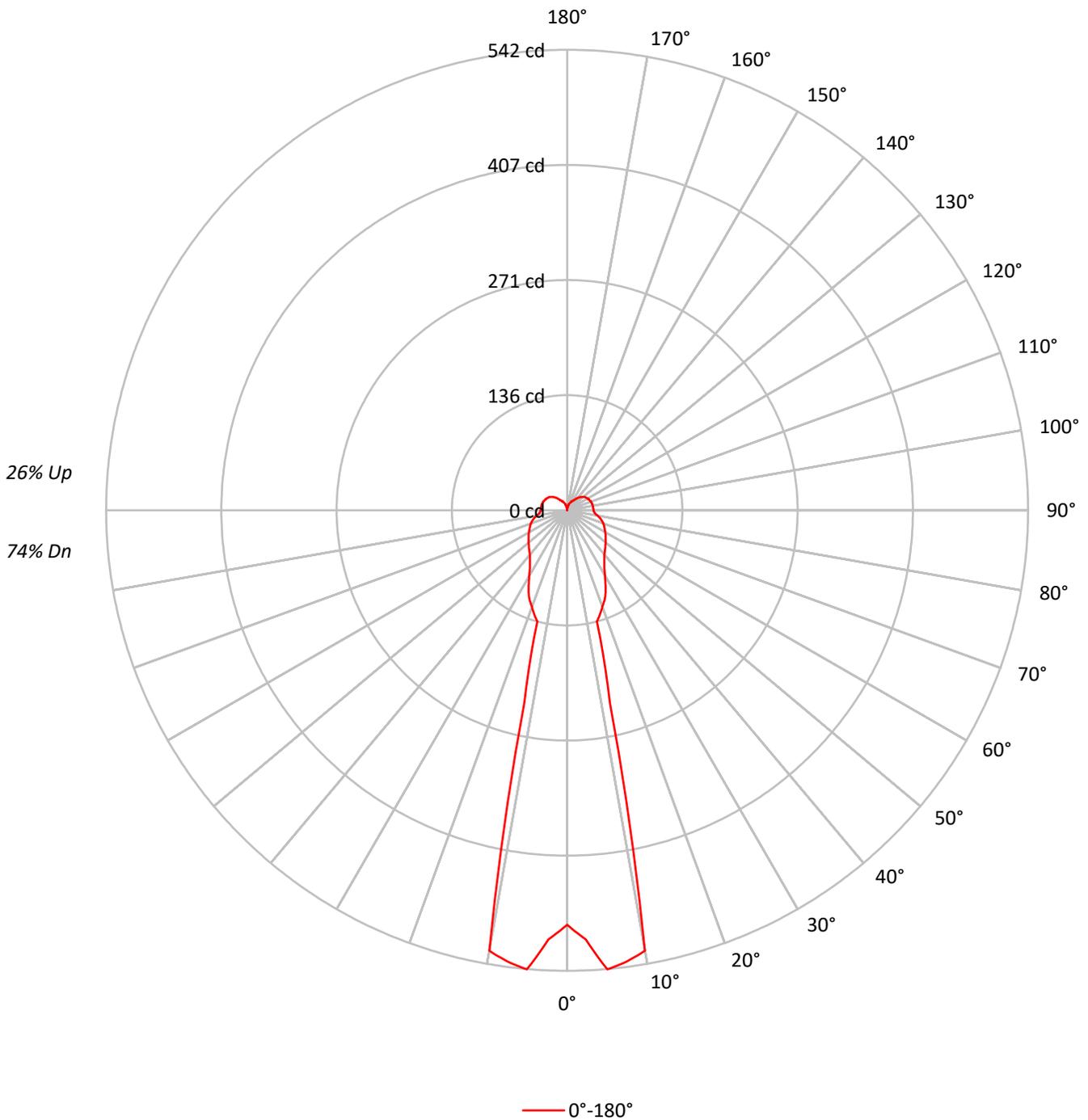
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 578.1 lumens  
Efficiency: N/A  
Efficacy: 52.1 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): 11.1  
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: P1244989

CATALOG NUMBER: PRLX-MIN-S-940-05L-U-PS

### 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	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°	13444
5°	13375
10°	11829
15°	2816
20°	2353
25°	1977
30°	1570
35°	1298
40°	1132
45°	1031
50°	950
55°	889
60°	837
65°	790
70°	755
75°	708
80°	648
85°	604

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1031 cd/sqm

TEST NUMBER: P1244989

CATALOG NUMBER: PRLX-MIN-S-940-05L-U-PS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.6	8.8
10°-20°	53.4	9.2
20°-30°	48.6	8.4
30°-40°	48.1	8.3
40°-50°	49.0	8.5
50°-60°	49.6	8.6
60°-70°	48.0	8.3
70°-80°	43.4	7.5
80°-90°	35.7	6.2
90°-100°	33.6	5.8
100°-110°	32.0	5.5
110°-120°	28.6	4.9
120°-130°	23.7	4.1
130°-140°	16.9	2.9
140°-150°	9.7	1.7
150°-160°	5.0	0.9
160°-170°	1.9	0.3
170°-180°	0.1	0.0
0°-30°	152.7	26.4
0°-40°	200.8	34.7
0°-60°	299.3	51.8
0°-90°	426.5	73.8
90°-120°	94.1	16.3
90°-150°	144.4	25.0
90°-180°	152.0	26.3
0°-180°	578.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	488	
5°	542	51
15°	136	53
25°	107	49
35°	76	48
45°	63	49
55°	55	50
65°	48	48
75°	41	43
85°	32	27
90°	31	17
95°	31	25
105°	30	32
115°	29	29
125°	27	24
135°	22	17
145°	15	10
155°	11	5
165°	7	2
175°	0	0
180°	0	

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CATALOG NUMBER: PRLX-MIN-S-940-05L-U-PS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	487.9
2.5°	505.7
5°	542.4
7.5°	535.8
10°	526.5
12.5°	232.9
15°	135.5
17.5°	128.4
20°	120.9
22.5°	114.7
25°	107.2
27.5°	97.4
30°	89.0
32.5°	81.5
35°	76.2
37.5°	71.7
40°	68.2
42.5°	65.5
45°	63.3
47.5°	61.1
50°	58.9
52.5°	57.1
55°	55.3
57.5°	53.6
60°	51.8
62.5°	50.0
65°	48.3
67.5°	46.9
70°	45.2
72.5°	43.4
75°	41.2
77.5°	39.0
80°	36.3
82.5°	33.7
85°	32.3
87.5°	31.4
90°	31.0
92.5°	31.0
95°	30.6
97.5°	30.6
100°	30.6
102.5°	30.6
105°	30.1
107.5°	30.1
110°	29.7

TEST NUMBER: P1244989

CATALOG NUMBER: PRLX-MIN-S-940-05L-U-PS

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	29.2
115°	28.8
117.5°	28.3
120°	27.9
122.5°	27.0
125°	26.6
127.5°	25.7
130°	24.4
132.5°	23.5
135°	21.7
137.5°	20.4
140°	18.6
142.5°	16.8
145°	15.1
147.5°	13.7
150°	12.8
152.5°	12.0
155°	10.6
157.5°	9.7
160°	8.9
162.5°	8.0
165°	6.6
167.5°	5.3
170°	3.5
172.5°	1.8
175°	0.4
177.5°	0.0
180°	0.0



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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	8.3	9.4	9.0	10.2	11.0	8.3	9.4	9.0	10.2	11.0
	3H	10.6	11.6	11.3	12.4	13.3	10.6	11.6	11.3	12.4	13.3
	4H	11.6	12.6	12.4	13.4	14.3	11.6	12.6	12.4	13.4	14.3
	6H	12.6	13.5	13.4	14.3	15.2	12.6	13.5	13.4	14.3	15.2
	8H	13.0	13.9	13.8	14.7	15.6	13.0	13.9	13.8	14.7	15.6
	12H	13.4	14.3	14.2	15.1	16.0	13.4	14.3	14.2	15.1	16.0
4H	2H	8.9	9.9	9.6	10.6	11.6	8.9	9.9	9.6	10.6	11.6
	3H	11.4	12.3	12.2	13.1	14.0	11.4	12.3	12.2	13.1	14.0
	4H	12.6	13.4	13.4	14.2	15.2	12.6	13.4	13.4	14.2	15.2
	6H	13.7	14.4	14.5	15.2	16.2	13.7	14.4	14.5	15.2	16.2
	8H	14.2	14.9	15.0	15.7	16.7	14.2	14.9	15.0	15.7	16.7
	12H	14.7	15.3	15.5	16.2	17.2	14.7	15.3	15.5	16.2	17.2
8H	4H	13.0	13.6	13.8	14.5	15.4	13.0	13.6	13.8	14.5	15.4
	6H	14.3	14.8	15.1	15.7	16.7	14.3	14.8	15.1	15.7	16.7
	8H	14.9	15.4	15.8	16.3	17.3	14.9	15.4	15.8	16.3	17.3
	12H	15.6	16.0	16.4	16.9	17.9	15.6	16.0	16.4	16.9	17.9
12H	4H	13.0	13.6	13.9	14.5	15.5	13.0	13.6	13.9	14.5	15.5
	6H	14.4	14.9	15.2	15.7	16.8	14.4	14.9	15.2	15.7	16.8
	8H	15.1	15.6	15.9	16.4	17.5	15.1	15.6	15.9	16.4	17.5

(END OF REPORT)