

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: P1245491

Luminaire Tested: PRLX-UNA-S-940-05L-U-NL

Issue Date: 1/30/2026

**Test Information**

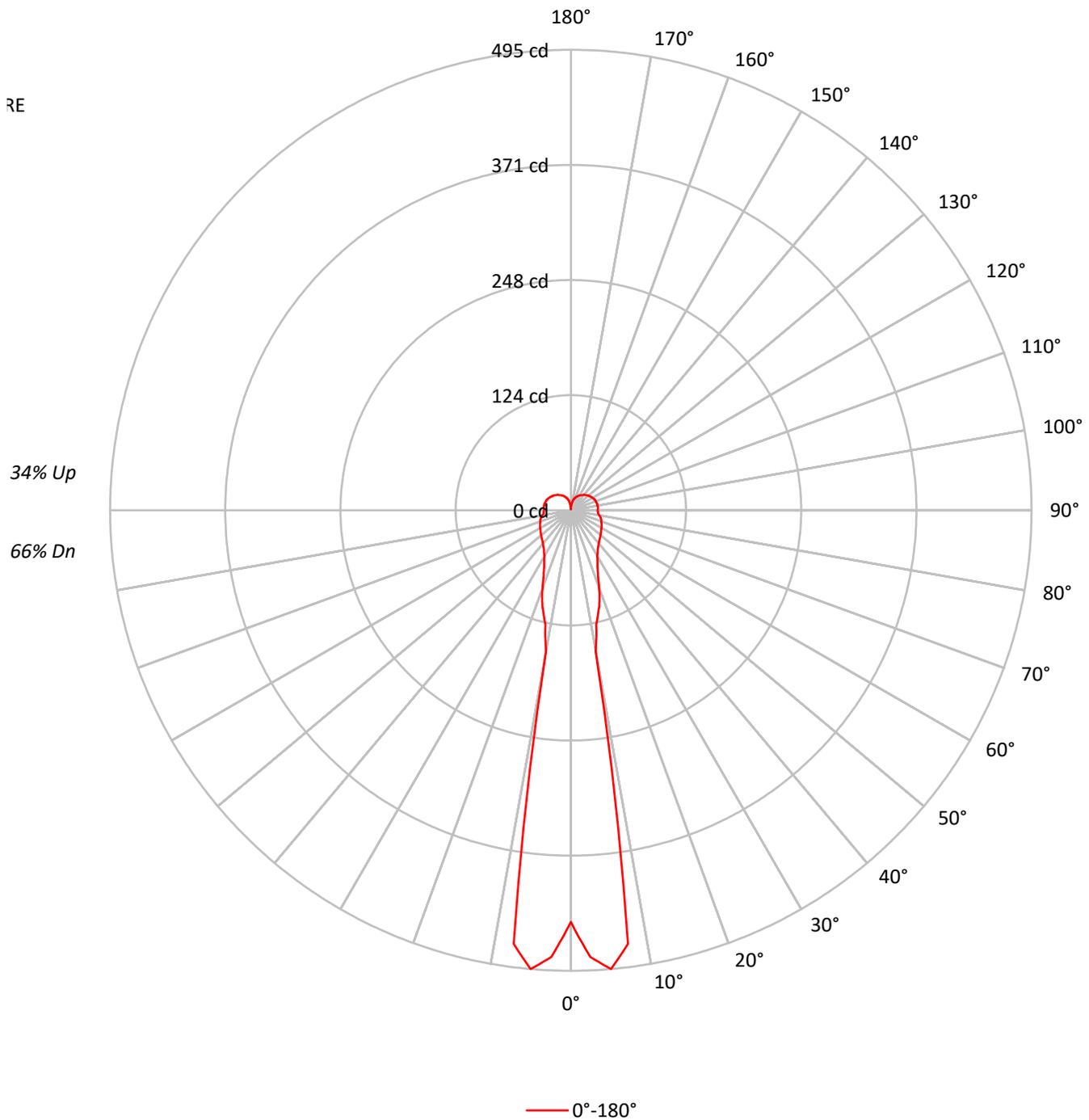
Test Method: LM-79-2019  
Report Number: P1245491  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-S-940-05L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 2  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 463.0 lumens  
Efficiency: N/A  
Efficacy: 41.7 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): 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

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### 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	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°	21682
5°	20117
10°	5390
15°	3516
20°	2471
25°	1727
30°	1344
35°	1127
40°	989
45°	892
50°	819
55°	762
60°	722
65°	686
70°	656
75°	633
80°	597
85°	579

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 892 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.9	8.4
10°-20°	32.0	6.9
20°-30°	31.8	6.9
30°-40°	32.0	6.9
40°-50°	33.9	7.3
50°-60°	35.6	7.7
60°-70°	36.1	7.8
70°-80°	35.2	7.6
80°-90°	32.2	6.9
90°-100°	31.8	6.9
100°-110°	30.5	6.6
110°-120°	27.6	6.0
120°-130°	23.1	5.0
130°-140°	17.9	3.9
140°-150°	12.6	2.7
150°-160°	7.7	1.7
160°-170°	3.5	0.8
170°-180°	0.6	0.1
0°-30°	102.8	22.2
0°-40°	134.7	29.1
0°-60°	204.2	44.1
0°-90°	307.7	66.4
90°-120°	89.9	19.4
90°-150°	143.5	31.0
90°-180°	155.0	33.5
0°-180°	463.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	443	
5°	495	39
15°	114	32
25°	68	32
35°	50	32
45°	44	34
55°	40	36
65°	36	36
75°	33	35
85°	29	24
90°	29	16
95°	29	24
105°	29	31
115°	28	28
125°	26	23
135°	23	18
145°	20	13
155°	16	8
165°	12	4
175°	5	1
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	442.6
2.5°	480.6
5°	495.0
7.5°	470.0
10°	154.2
12.5°	126.0
15°	113.9
17.5°	102.5
20°	88.8
22.5°	76.3
25°	67.7
27.5°	61.8
30°	56.7
32.5°	53.6
35°	50.5
37.5°	48.5
40°	46.6
42.5°	45.0
45°	43.8
47.5°	42.7
50°	41.5
52.5°	40.7
55°	39.5
57.5°	38.7
60°	38.0
62.5°	37.2
65°	36.4
67.5°	35.6
70°	34.8
72.5°	34.4
75°	33.3
77.5°	32.5
80°	30.9
82.5°	29.7
85°	29.3
87.5°	29.0
90°	29.0
92.5°	29.0
95°	29.3
97.5°	29.3
100°	29.0
102.5°	29.0
105°	29.0
107.5°	28.6
110°	28.6

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	28.2
115°	27.8
117.5°	27.4
120°	27.0
122.5°	26.2
125°	25.8
127.5°	25.0
130°	24.7
132.5°	23.9
135°	23.1
137.5°	22.3
140°	21.5
142.5°	20.7
145°	20.0
147.5°	19.2
150°	18.4
152.5°	17.6
155°	16.4
157.5°	15.7
160°	14.5
162.5°	13.7
165°	12.5
167.5°	11.0
170°	9.0
172.5°	7.0
175°	4.7
177.5°	2.3
180°	1.2



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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	7.1	8.2	7.9	9.0	10.0	7.1	8.2	7.9	9.0	10.0
	3H	9.5	10.5	10.3	11.3	12.4	9.5	10.5	10.3	11.3	12.4
	4H	10.7	11.6	11.5	12.5	13.5	10.7	11.6	11.5	12.5	13.5
	6H	11.8	12.7	12.6	13.5	14.6	11.8	12.7	12.6	13.5	14.6
	8H	12.3	13.2	13.2	14.0	15.1	12.3	13.2	13.2	14.0	15.1
	12H	12.8	13.6	13.7	14.5	15.6	12.8	13.6	13.7	14.5	15.6
4H	2H	7.7	8.6	8.5	9.5	10.5	7.7	8.6	8.5	9.5	10.5
	3H	10.4	11.2	11.2	12.1	13.1	10.4	11.2	11.2	12.1	13.1
	4H	11.7	12.4	12.5	13.3	14.4	11.7	12.4	12.5	13.3	14.4
	6H	13.0	13.6	13.8	14.5	15.6	13.0	13.6	13.8	14.5	15.6
	8H	13.6	14.2	14.4	15.1	16.2	13.6	14.2	14.4	15.1	16.2
	12H	14.2	14.7	15.0	15.6	16.8	14.2	14.7	15.0	15.6	16.8
8H	4H	12.1	12.7	13.0	13.6	14.7	12.1	12.7	13.0	13.6	14.7
	6H	13.6	14.1	14.5	15.0	16.1	13.6	14.1	14.5	15.0	16.1
	8H	14.3	14.8	15.2	15.7	16.8	14.3	14.8	15.2	15.7	16.8
	12H	15.1	15.5	16.0	16.4	17.6	15.1	15.5	16.0	16.4	17.6
12H	4H	12.2	12.8	13.1	13.7	14.8	12.2	12.8	13.1	13.7	14.8
	6H	13.7	14.2	14.6	15.1	16.3	13.7	14.2	14.6	15.1	16.3
	8H	14.5	15.0	15.4	15.9	17.0	14.5	15.0	15.4	15.9	17.0

(END OF REPORT)