

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: P1245463

Luminaire Tested: PRLX-UNA-S-930-05L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245463  
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: Prenalux  
Catalog Number: PRLX-UNA-S-930-05L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 2  
Light Source: -  
Ballast/Driver: -

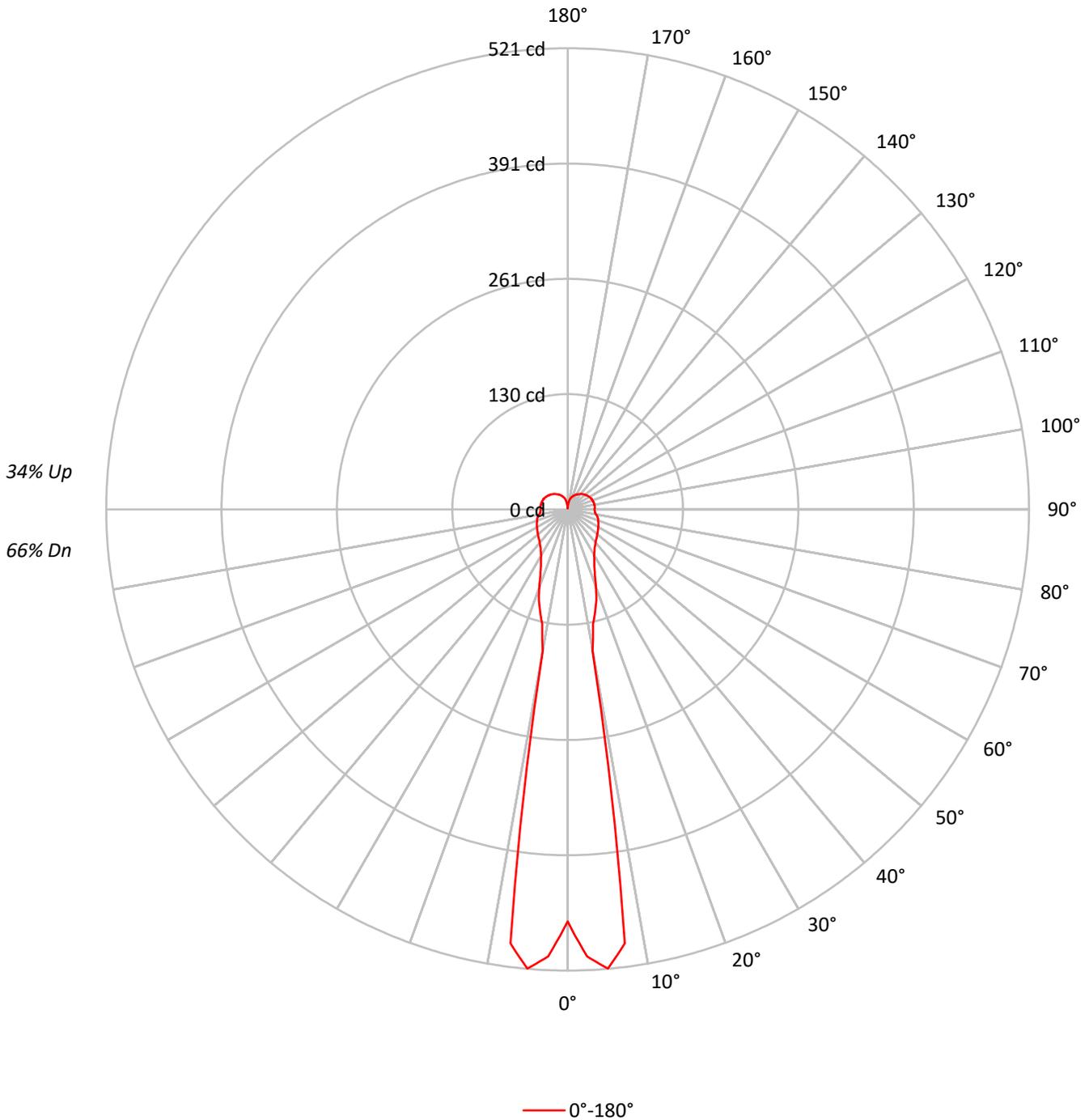
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 487.0 lumens  
Efficiency: N/A  
Efficacy: 43.9 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 (Ain): 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°	22804
5°	21162
10°	5669
15°	3698
20°	2599
25°	1816
30°	1416
35°	1185
40°	1040
45°	939
50°	861
55°	802
60°	758
65°	722
70°	690
75°	665
80°	628
85°	611

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 939 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.9	8.4
10°-20°	33.7	6.9
20°-30°	33.5	6.9
30°-40°	33.6	6.9
40°-50°	35.7	7.3
50°-60°	37.4	7.7
60°-70°	38.0	7.8
70°-80°	37.0	7.6
80°-90°	33.9	7.0
90°-100°	33.5	6.9
100°-110°	32.1	6.6
110°-120°	29.0	6.0
120°-130°	24.3	5.0
130°-140°	18.8	3.9
140°-150°	13.2	2.7
150°-160°	8.1	1.7
160°-170°	3.7	0.8
170°-180°	0.6	0.1
0°-30°	108.1	22.2
0°-40°	141.7	29.1
0°-60°	214.8	44.1
0°-90°	323.7	66.5
90°-120°	94.6	19.4
90°-150°	150.9	31.0
90°-180°	163.0	33.5
0°-180°	487.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	466	
5°	521	41
15°	120	34
25°	71	33
35°	53	34
45°	46	36
55°	42	37
65°	38	38
75°	35	37
85°	31	26
90°	30	17
95°	31	25
105°	30	32
115°	29	29
125°	27	24
135°	24	19
145°	21	13
155°	17	8
165°	13	4
175°	5	1
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	465.5
2.5°	505.5
5°	520.7
7.5°	494.4
10°	162.2
12.5°	132.5
15°	119.8
17.5°	107.8
20°	93.4
22.5°	80.3
25°	71.2
27.5°	65.0
30°	59.7
32.5°	56.4
35°	53.1
37.5°	51.0
40°	49.0
42.5°	47.3
45°	46.1
47.5°	44.9
50°	43.6
52.5°	42.8
55°	41.6
57.5°	40.8
60°	39.9
62.5°	39.1
65°	38.3
67.5°	37.5
70°	36.6
72.5°	36.2
75°	35.0
77.5°	34.2
80°	32.5
82.5°	31.3
85°	30.9
87.5°	30.5
90°	30.5
92.5°	30.5
95°	30.9
97.5°	30.9
100°	30.5
102.5°	30.5
105°	30.5
107.5°	30.0
110°	30.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	29.6
115°	29.2
117.5°	28.8
120°	28.4
122.5°	27.6
125°	27.2
127.5°	26.3
130°	25.9
132.5°	25.1
135°	24.3
137.5°	23.5
140°	22.6
142.5°	21.8
145°	21.0
147.5°	20.2
150°	19.3
152.5°	18.5
155°	17.3
157.5°	16.5
160°	15.2
162.5°	14.4
165°	13.2
167.5°	11.5
170°	9.5
172.5°	7.4
175°	4.9
177.5°	2.5
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	7.3	8.3	8.1	9.2	10.2	7.3	8.3	8.1	9.2	10.2
	3H	9.7	10.7	10.5	11.5	12.6	9.7	10.7	10.5	11.5	12.6
	4H	10.9	11.8	11.7	12.7	13.7	10.9	11.8	11.7	12.7	13.7
	6H	12.0	12.9	12.8	13.7	14.8	12.0	12.9	12.8	13.7	14.8
	8H	12.5	13.3	13.3	14.2	15.3	12.5	13.3	13.3	14.2	15.3
	12H	13.0	13.8	13.8	14.7	15.7	13.0	13.8	13.8	14.7	15.7
4H	2H	7.9	8.8	8.7	9.7	10.7	7.9	8.8	8.7	9.7	10.7
	3H	10.6	11.4	11.4	12.2	13.3	10.6	11.4	11.4	12.2	13.3
	4H	11.9	12.6	12.7	13.5	14.6	11.9	12.6	12.7	13.5	14.6
	6H	13.2	13.8	14.0	14.7	15.8	13.2	13.8	14.0	14.7	15.8
	8H	13.7	14.4	14.6	15.3	16.4	13.7	14.4	14.6	15.3	16.4
	12H	14.3	14.9	15.2	15.8	16.9	14.3	14.9	15.2	15.8	16.9
8H	4H	12.3	12.9	13.2	13.8	14.9	12.3	12.9	13.2	13.8	14.9
	6H	13.8	14.3	14.7	15.2	16.3	13.8	14.3	14.7	15.2	16.3
	8H	14.5	15.0	15.4	15.9	17.0	14.5	15.0	15.4	15.9	17.0
	12H	15.3	15.7	16.2	16.6	17.8	15.3	15.7	16.2	16.6	17.8
12H	4H	12.4	12.9	13.3	13.8	15.0	12.4	12.9	13.3	13.8	15.0
	6H	13.9	14.4	14.8	15.3	16.4	13.9	14.4	14.8	15.3	16.4
	8H	14.7	15.1	15.6	16.0	17.2	14.7	15.1	15.6	16.0	17.2

(END OF REPORT)