

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: P1245451

Luminaire Tested: PRLX-UNA-S-927-07L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245451  
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-927-07L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

**Summary**

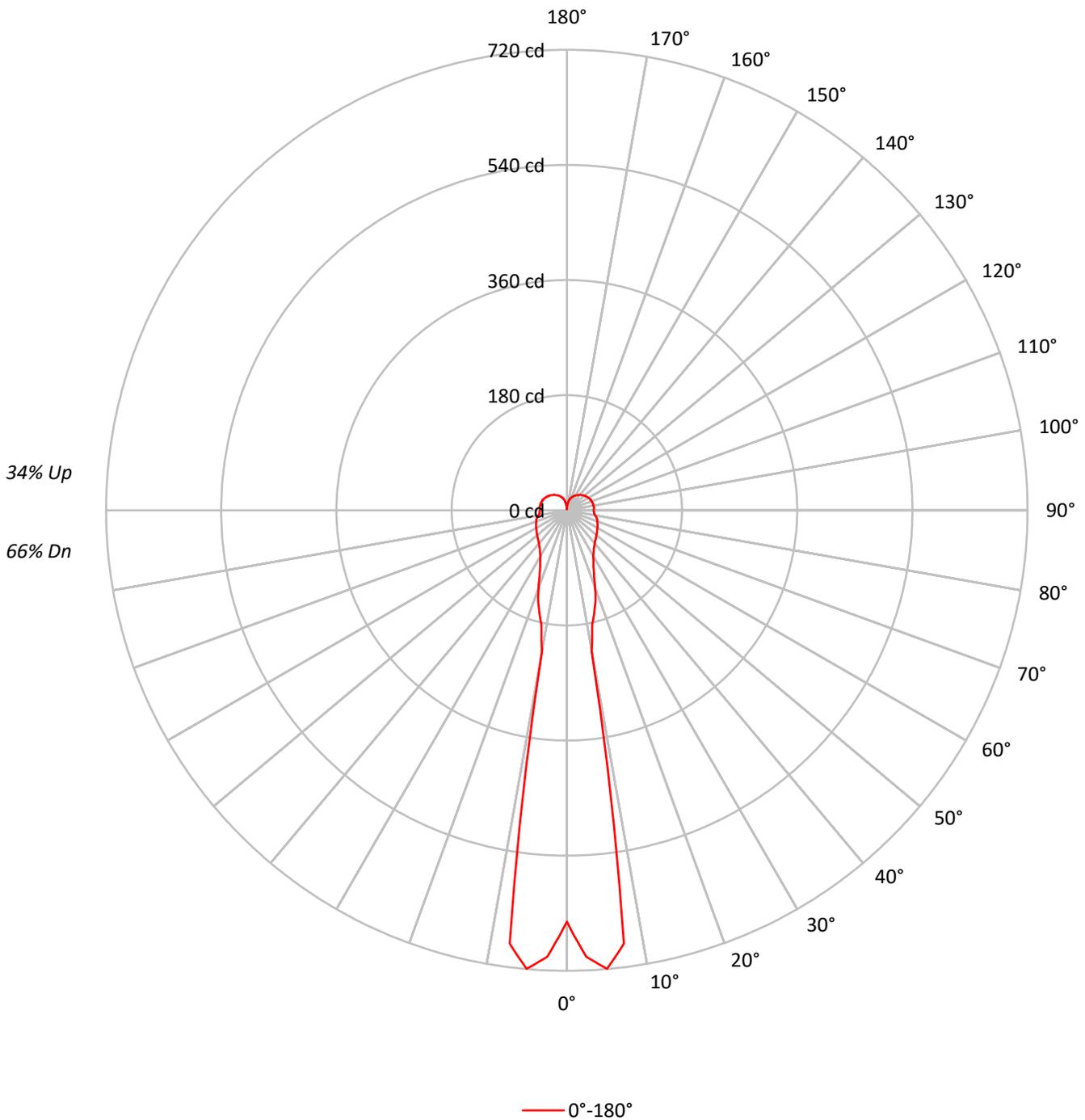
Lumens per Lamp: N/A  
Luminaire Lumens: 673.0 lumens  
Efficiency: N/A  
Efficacy: 41.5 lumens/watt  
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34  
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')  
CIE Type: Semi-Direct

Input Watts (W): 16.2  
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°	31514
5°	29245
10°	7833
15°	5108
20°	3592
25°	2510
30°	1956
35°	1638
40°	1436
45°	1298
50°	1190
55°	1109
60°	1049
65°	998
70°	954
75°	920
80°	867
85°	844

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1298 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.6	8.4
10°-20°	46.6	6.9
20°-30°	46.3	6.9
30°-40°	46.4	6.9
40°-50°	49.3	7.3
50°-60°	51.7	7.7
60°-70°	52.5	7.8
70°-80°	51.1	7.6
80°-90°	46.8	7.0
90°-100°	46.3	6.9
100°-110°	44.3	6.6
110°-120°	40.1	6.0
120°-130°	33.6	5.0
130°-140°	26.0	3.9
140°-150°	18.3	2.7
150°-160°	11.2	1.7
160°-170°	5.1	0.8
170°-180°	0.8	0.1
0°-30°	149.4	22.2
0°-40°	195.8	29.1
0°-60°	296.9	44.1
0°-90°	447.3	66.5
90°-120°	130.7	19.4
90°-150°	208.5	31.0
90°-180°	226.0	33.6
0°-180°	673.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	643	
5°	720	57
15°	166	47
25°	98	46
35°	73	46
45°	64	49
55°	58	52
65°	53	52
75°	48	51
85°	43	35
90°	42	23
95°	43	35
105°	42	44
115°	40	40
125°	38	34
135°	34	26
145°	29	18
155°	24	11
165°	18	5
175°	7	1
180°	2	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	643.3
2.5°	698.5
5°	719.6
7.5°	683.2
10°	224.1
12.5°	183.2
15°	165.5
17.5°	149.0
20°	129.1
22.5°	110.9
25°	98.4
27.5°	89.9
30°	82.5
32.5°	77.9
35°	73.4
37.5°	70.5
40°	67.7
42.5°	65.4
45°	63.7
47.5°	62.0
50°	60.3
52.5°	59.2
55°	57.5
57.5°	56.3
60°	55.2
62.5°	54.0
65°	52.9
67.5°	51.8
70°	50.6
72.5°	50.1
75°	48.4
77.5°	47.2
80°	44.9
82.5°	43.2
85°	42.7
87.5°	42.1
90°	42.1
92.5°	42.1
95°	42.7
97.5°	42.7
100°	42.1
102.5°	42.1
105°	42.1
107.5°	41.5
110°	41.5

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	41.0
115°	40.4
117.5°	39.8
120°	39.2
122.5°	38.1
125°	37.5
127.5°	36.4
130°	35.8
132.5°	34.7
135°	33.6
137.5°	32.4
140°	31.3
142.5°	30.1
145°	29.0
147.5°	27.9
150°	26.7
152.5°	25.6
155°	23.9
157.5°	22.8
160°	21.0
162.5°	19.9
165°	18.2
167.5°	15.9
170°	13.1
172.5°	10.2
175°	6.8
177.5°	3.4
180°	1.7



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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	8.4	9.5	9.2	10.3	11.3	8.4	9.5	9.2	10.3	11.3
	3H	10.8	11.8	11.6	12.6	13.7	10.8	11.8	11.6	12.6	13.7
	4H	12.0	12.9	12.8	13.8	14.8	12.0	12.9	12.8	13.8	14.8
	6H	13.1	14.0	13.9	14.8	15.9	13.1	14.0	13.9	14.8	15.9
	8H	13.6	14.5	14.5	15.3	16.4	13.6	14.5	14.5	15.3	16.4
	12H	14.1	14.9	15.0	15.8	16.9	14.1	14.9	15.0	15.8	16.9
4H	2H	9.0	9.9	9.8	10.8	11.8	9.0	9.9	9.8	10.8	11.8
	3H	11.7	12.5	12.5	13.4	14.4	11.7	12.5	12.5	13.4	14.4
	4H	13.0	13.7	13.8	14.6	15.7	13.0	13.7	13.8	14.6	15.7
	6H	14.3	14.9	15.1	15.8	16.9	14.3	14.9	15.1	15.8	16.9
	8H	14.9	15.5	15.7	16.4	17.5	14.9	15.5	15.7	16.4	17.5
	12H	15.5	16.0	16.3	16.9	18.1	15.5	16.0	16.3	16.9	18.1
8H	4H	13.4	14.0	14.3	14.9	16.0	13.4	14.0	14.3	14.9	16.0
	6H	14.9	15.4	15.8	16.3	17.4	14.9	15.4	15.8	16.3	17.4
	8H	15.6	16.1	16.5	17.0	18.1	15.6	16.1	16.5	17.0	18.1
	12H	16.4	16.8	17.3	17.7	18.9	16.4	16.8	17.3	17.7	18.9
12H	4H	13.5	14.1	14.4	15.0	16.1	13.5	14.1	14.4	15.0	16.1
	6H	15.0	15.5	15.9	16.4	17.6	15.0	15.5	15.9	16.4	17.6
	8H	15.8	16.3	16.7	17.2	18.3	15.8	16.3	16.7	17.2	18.3

(END OF REPORT)