

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: P1244792

Luminaire Tested: PRLX-MIN-L-927-12L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244792  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-MIN-L-927-12L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF  
LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

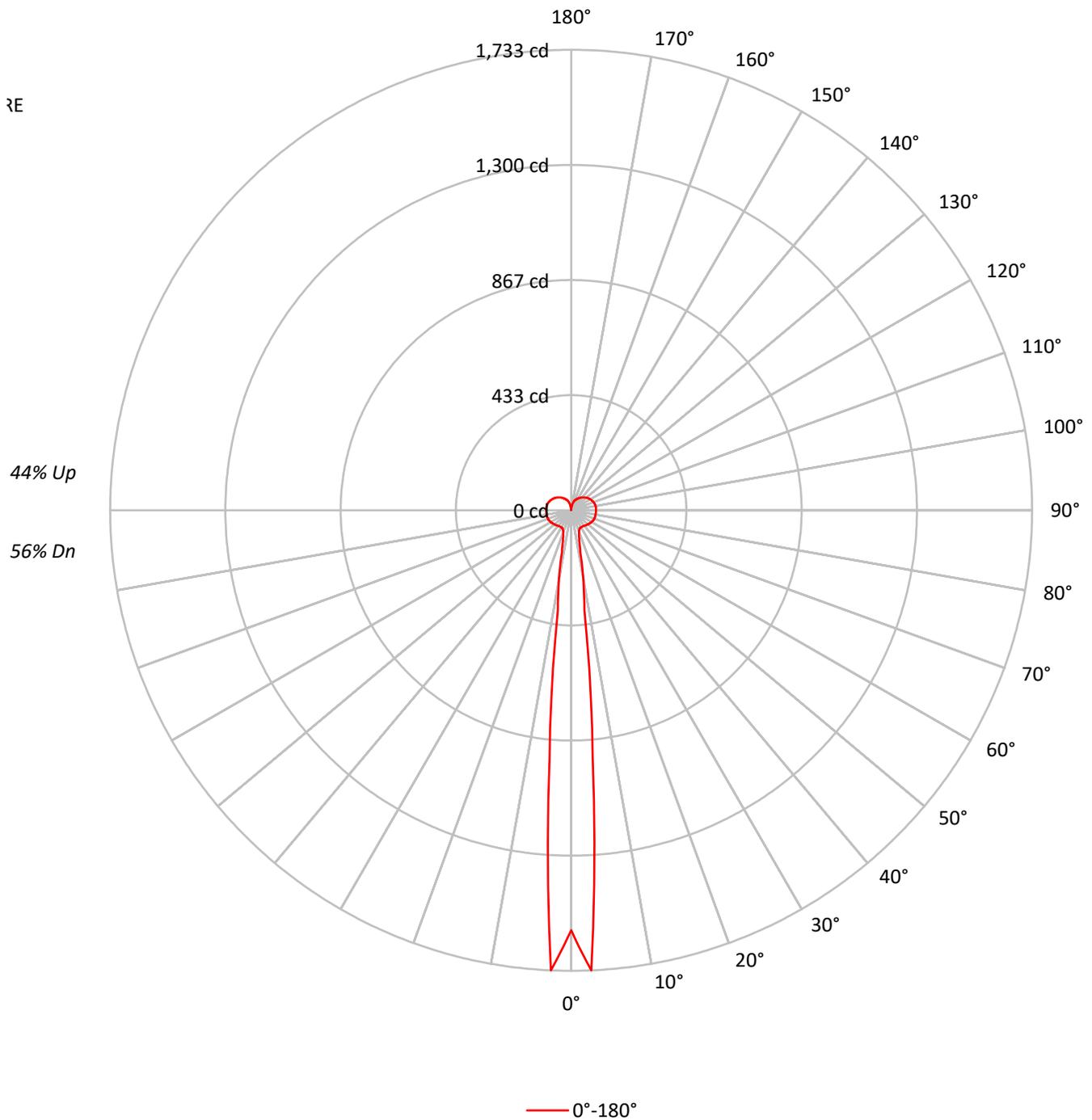
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1090.0 lumens  
Efficiency: N/A  
Efficacy: 35.7 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')  
CIE Type: General Diffuse  
  
Input Watts (W): 30.5  
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: P1244792

CATALOG NUMBER: PRLX-MIN-L-927-12L-U-NL

### Luminous Intensity Polar Plot





TEST NUMBER: P1244792

CATALOG NUMBER: PRLX-MIN-L-927-12L-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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63		59	56	53		48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50		50	46	42		41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41		43	39	35		36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	37	60	48	40	34	41	35	30		35	30	26		29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26		32	27	23		27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24		29	24	21		25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21		27	22	19		23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20		26	21	17		22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18		24	19	16		21	17	14	12

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

	0°
0°	49985
5°	22922
10°	5343
15°	2040
20°	1317
25°	1049
30°	932
35°	870
40°	842
45°	829
50°	822
55°	827
60°	833
65°	845
70°	853
75°	863
80°	863
85°	881

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 901 cd/sqm

TEST NUMBER: P1244792

CATALOG NUMBER: PRLX-MIN-L-927-12L-U-NL

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.6	6.1
10°-20°	36.7	3.4
20°-30°	35.7	3.3
30°-40°	46.9	4.3
40°-50°	61.5	5.6
50°-60°	76.6	7.0
60°-70°	90.1	8.3
70°-80°	98.5	9.0
80°-90°	101.9	9.3
90°-100°	102.0	9.4
100°-110°	97.0	8.9
110°-120°	85.8	7.9
120°-130°	70.6	6.5
130°-140°	53.3	4.9
140°-150°	36.0	3.3
150°-160°	21.1	1.9
160°-170°	8.7	0.8
170°-180°	0.8	0.1
0°-30°	139.1	12.8
0°-40°	186.0	17.1
0°-60°	324.1	29.7
0°-90°	614.5	56.4
90°-120°	284.8	26.1
90°-150°	444.8	40.8
90°-180°	475.0	43.6
0°-180°	1090.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1580	
5°	929	67
15°	117	37
25°	76	36
35°	74	47
45°	79	62
55°	85	77
65°	91	90
75°	94	98
85°	94	76
90°	94	51
95°	94	76
105°	92	97
115°	86	86
125°	79	71
135°	69	53
145°	57	36
155°	45	21
165°	31	9
175°	4	1
180°	0	

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CATALOG NUMBER: PRLX-MIN-L-927-12L-U-NL

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1580.0
2.5°	1733.2
5°	929.3
7.5°	378.2
10°	262.7
12.5°	160.9
15°	117.1
17.5°	97.4
20°	85.9
22.5°	79.9
25°	76.1
27.5°	74.4
30°	73.9
32.5°	73.9
35°	74.4
37.5°	75.0
40°	76.6
42.5°	77.7
45°	79.4
47.5°	81.0
50°	82.1
52.5°	83.7
55°	85.4
57.5°	87.0
60°	88.1
62.5°	89.8
65°	90.8
67.5°	91.9
70°	92.5
72.5°	93.0
75°	93.6
77.5°	93.0
80°	93.0
82.5°	93.0
85°	93.6
87.5°	93.6
90°	93.6
92.5°	93.6
95°	93.6
97.5°	93.6
100°	93.0
102.5°	92.5
105°	91.9
107.5°	90.8
110°	89.8



TEST NUMBER: P1244792

CATALOG NUMBER: PRLX-MIN-L-927-12L-U-NL

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	88.1
115°	86.5
117.5°	84.8
120°	82.6
122.5°	81.0
125°	78.8
127.5°	76.6
130°	73.9
132.5°	71.7
135°	69.0
137.5°	65.7
140°	62.9
142.5°	60.2
145°	56.9
147.5°	54.2
150°	51.4
152.5°	48.2
155°	45.4
157.5°	42.1
160°	38.9
162.5°	35.0
165°	30.6
167.5°	24.6
170°	17.0
172.5°	10.4
175°	4.4
177.5°	1.1
180°	0.5



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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	7.0	8.0	7.8	8.9	10.1	7.0	8.0	7.8	8.9	10.1
	3H	10.0	10.9	10.9	11.8	13.0	10.0	10.9	10.9	11.8	13.0
	4H	11.4	12.3	12.3	13.2	14.4	11.4	12.3	12.3	13.2	14.4
	6H	12.8	13.7	13.7	14.6	15.8	12.8	13.7	13.7	14.6	15.8
	8H	13.5	14.3	14.4	15.2	16.4	13.5	14.3	14.4	15.2	16.4
	12H	14.1	14.9	15.0	15.8	17.1	14.1	14.9	15.0	15.8	17.1
4H	2H	7.7	8.7	8.6	9.6	10.8	7.7	8.7	8.6	9.6	10.8
	3H	10.9	11.7	11.8	12.7	13.9	10.9	11.7	11.8	12.7	13.9
	4H	12.5	13.2	13.4	14.2	15.4	12.5	13.2	13.4	14.2	15.4
	6H	14.1	14.7	15.0	15.7	16.9	14.1	14.7	15.0	15.7	16.9
	8H	14.8	15.4	15.8	16.4	17.7	14.8	15.4	15.8	16.4	17.7
	12H	15.6	16.1	16.5	17.1	18.4	15.6	16.1	16.5	17.1	18.4
8H	4H	13.0	13.6	13.9	14.6	15.9	13.0	13.6	13.9	14.6	15.9
	6H	14.8	15.3	15.7	16.3	17.6	14.8	15.3	15.7	16.3	17.6
	8H	15.7	16.2	16.6	17.2	18.4	15.7	16.2	16.6	17.2	18.4
	12H	16.6	17.0	17.6	18.0	19.3	16.6	17.0	17.6	18.0	19.3
12H	4H	13.1	13.7	14.1	14.7	15.9	13.1	13.7	14.1	14.7	15.9
	6H	14.9	15.4	15.9	16.4	17.7	14.9	15.4	15.9	16.4	17.7
	8H	15.9	16.4	16.9	17.4	18.7	15.9	16.4	16.9	17.4	18.7

(END OF REPORT)