

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: P1244868

Luminaire Tested: PRLX-MIN-L-940-16L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244868  
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: Prenalux  
Catalog Number: PRLX-MIN-L-940-16L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

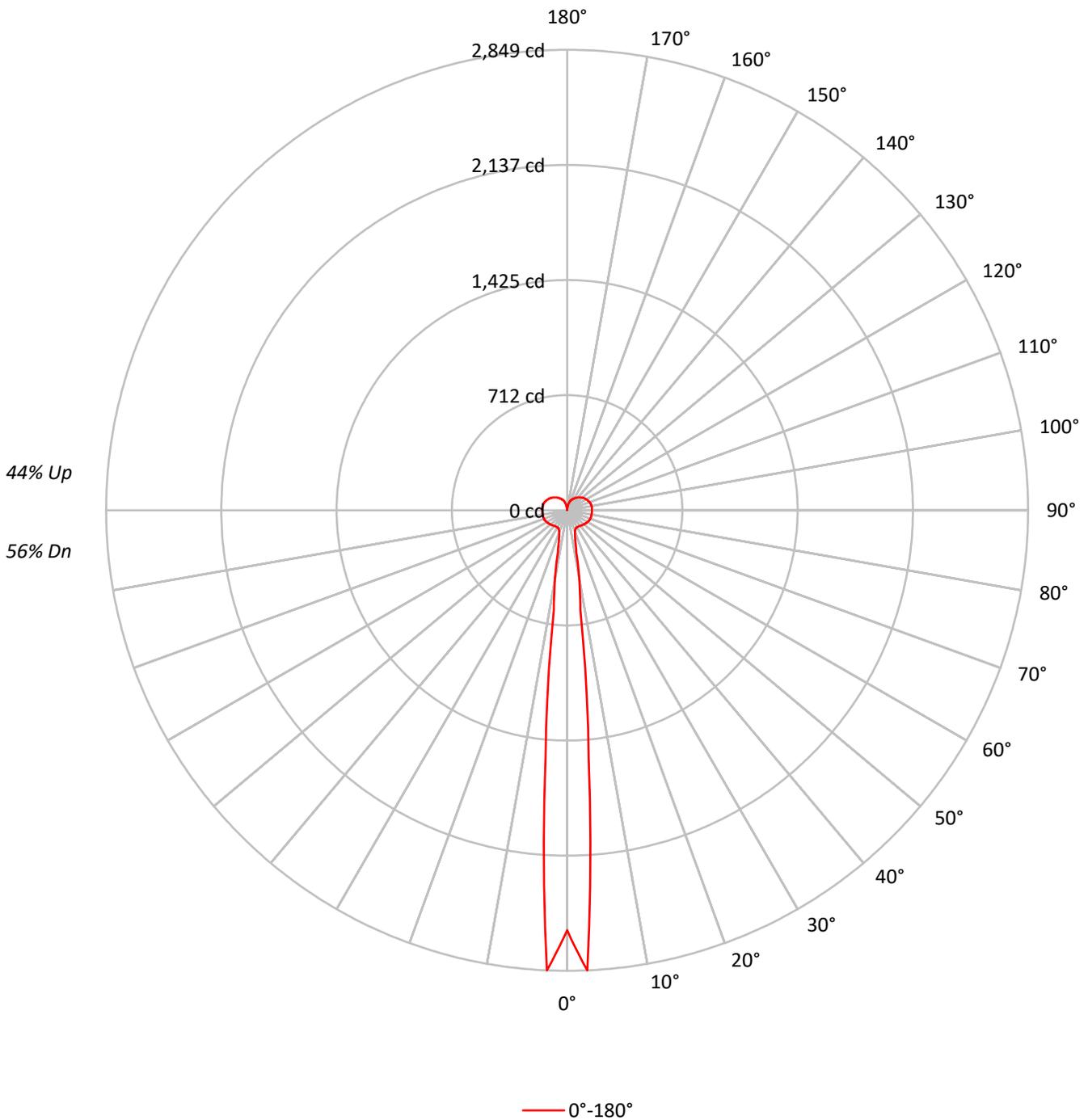
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1792.5 lumens  
Efficiency: N/A  
Efficacy: 46.2 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): 38.8  
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	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	36	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°	82175
5°	37682
10°	8785
15°	3353
20°	2166
25°	1724
30°	1532
35°	1432
40°	1385
45°	1362
50°	1352
55°	1360
60°	1370
65°	1390
70°	1403
75°	1418
80°	1420
85°	1449

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1482 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.6	6.1
10°-20°	60.3	3.4
20°-30°	58.8	3.3
30°-40°	77.2	4.3
40°-50°	101.2	5.6
50°-60°	125.9	7.0
60°-70°	148.1	8.3
70°-80°	162.0	9.0
80°-90°	167.5	9.3
90°-100°	167.8	9.4
100°-110°	159.5	8.9
110°-120°	141.1	7.9
120°-130°	116.2	6.5
130°-140°	87.7	4.9
140°-150°	59.2	3.3
150°-160°	34.7	1.9
160°-170°	14.3	0.8
170°-180°	1.4	0.1
0°-30°	228.7	12.8
0°-40°	305.8	17.1
0°-60°	533.0	29.7
0°-90°	1010.6	56.4
90°-120°	468.4	26.1
90°-150°	731.5	40.8
90°-180°	782.0	43.6
0°-180°	1792.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2598	
5°	1528	110
15°	192	60
25°	125	59
35°	122	77
45°	130	101
55°	140	126
65°	149	148
75°	154	162
85°	154	125
90°	154	84
95°	154	126
105°	151	160
115°	142	141
125°	130	116
135°	113	88
145°	94	59
155°	75	35
165°	50	14
175°	7	1
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2597.5
2.5°	2849.4
5°	1527.7
7.5°	621.7
10°	431.9
12.5°	264.5
15°	192.5
17.5°	160.2
20°	141.3
22.5°	131.4
25°	125.1
27.5°	122.4
30°	121.5
32.5°	121.5
35°	122.4
37.5°	123.3
40°	126.0
42.5°	127.8
45°	130.5
47.5°	133.2
50°	135.0
52.5°	137.7
55°	140.4
57.5°	143.1
60°	144.9
62.5°	147.6
65°	149.4
67.5°	151.2
70°	152.1
72.5°	153.0
75°	153.9
77.5°	153.0
80°	153.0
82.5°	153.0
85°	153.9
87.5°	153.9
90°	153.9
92.5°	153.9
95°	153.9
97.5°	153.9
100°	153.0
102.5°	152.1
105°	151.2
107.5°	149.4
110°	147.6

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	144.9
115°	142.2
117.5°	139.5
120°	135.9
122.5°	133.2
125°	129.6
127.5°	126.0
130°	121.5
132.5°	117.9
135°	113.4
137.5°	108.0
140°	103.5
142.5°	99.0
145°	93.6
147.5°	89.1
150°	84.6
152.5°	79.2
155°	74.7
157.5°	69.3
160°	63.9
162.5°	57.6
165°	50.4
167.5°	40.5
170°	27.9
172.5°	17.1
175°	7.2
177.5°	1.8
180°	0.9



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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	8.7	9.7	9.6	10.6	11.8	8.7	9.7	9.6	10.6	11.8
	3H	11.7	12.6	12.6	13.6	14.8	11.7	12.6	12.6	13.6	14.8
	4H	13.1	14.0	14.0	15.0	16.2	13.1	14.0	14.0	15.0	16.2
	6H	14.5	15.4	15.4	16.3	17.5	14.5	15.4	15.4	16.3	17.5
	8H	15.2	16.0	16.1	17.0	18.2	15.2	16.0	16.1	17.0	18.2
	12H	15.8	16.6	16.8	17.6	18.8	15.8	16.6	16.8	17.6	18.8
4H	2H	9.5	10.4	10.4	11.3	12.5	9.5	10.4	10.4	11.3	12.5
	3H	12.6	13.4	13.6	14.4	15.6	12.6	13.4	13.6	14.4	15.6
	4H	14.2	15.0	15.2	15.9	17.2	14.2	15.0	15.2	15.9	17.2
	6H	15.8	16.4	16.7	17.4	18.7	15.8	16.4	16.7	17.4	18.7
	8H	16.5	17.2	17.5	18.1	19.4	16.5	17.2	17.5	18.1	19.4
	12H	17.3	17.9	18.3	18.9	20.1	17.3	17.9	18.3	18.9	20.1
8H	4H	14.7	15.4	15.7	16.3	17.6	14.7	15.4	15.7	16.3	17.6
	6H	16.5	17.0	17.5	18.0	19.3	16.5	17.0	17.5	18.0	19.3
	8H	17.4	17.9	18.4	18.9	20.1	17.4	17.9	18.4	18.9	20.1
	12H	18.3	18.8	19.3	19.8	21.1	18.3	18.8	19.3	19.8	21.1
12H	4H	14.8	15.4	15.8	16.4	17.7	14.8	15.4	15.8	16.4	17.7
	6H	16.7	17.2	17.7	18.2	19.4	16.7	17.2	17.7	18.2	19.4
	8H	17.7	18.1	18.6	19.1	20.4	17.7	18.1	18.6	19.1	20.4

(END OF REPORT)