

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: P1245330

Luminaire Tested: PRLX-UNA-L-930-23L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-930-23L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

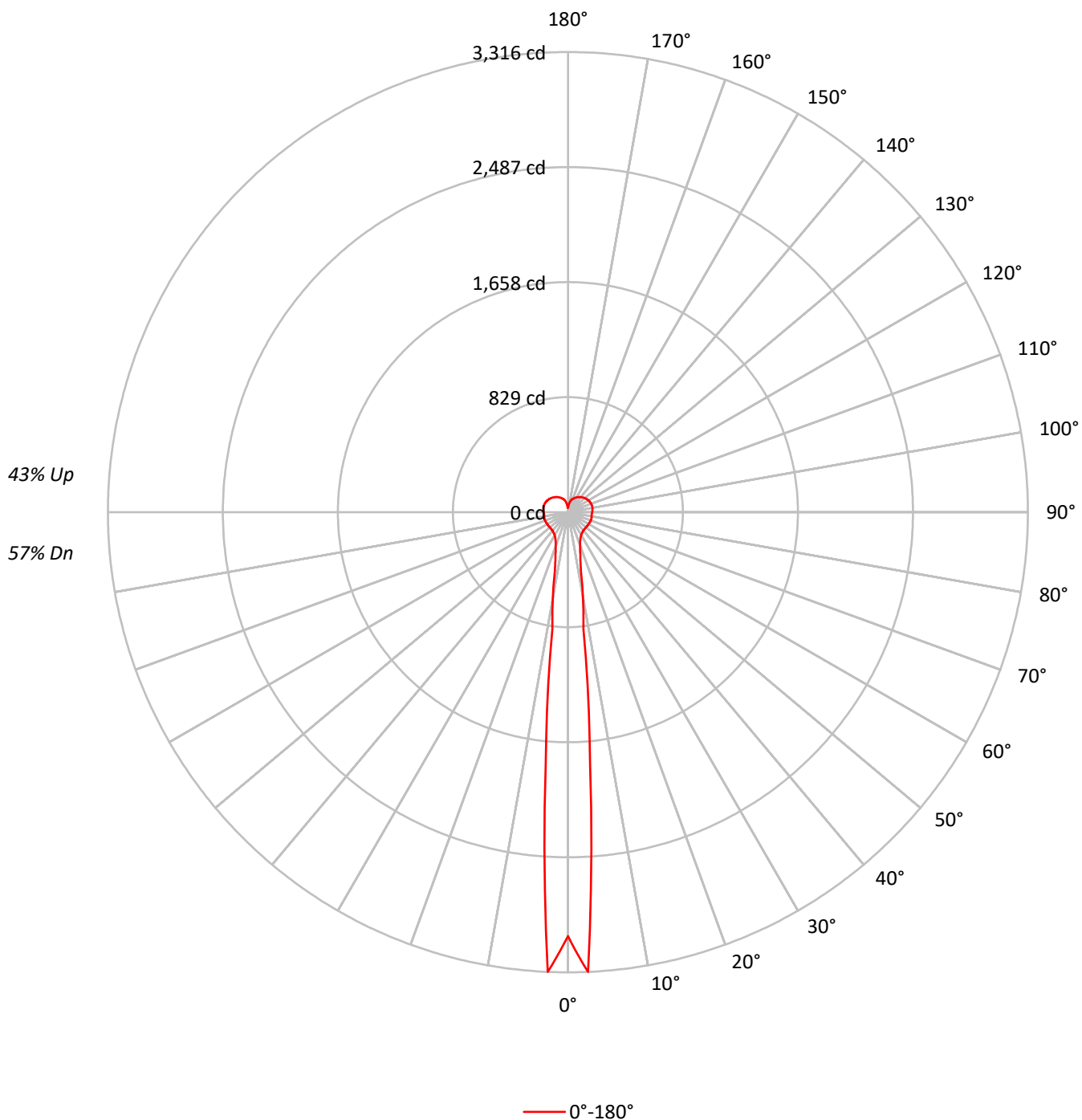
Lumens per Lamp: N/A
Luminaire Lumens: 2272.0 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 58.2
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			
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	57		
1	96	90	85	80	88	83	79	75	71	68	64	60	57	55	49	47	46	40		
2	86	77	70	63	80	72	65	59	61	56	51	51	47	44	42	39	37	32		
3	79	68	59	52	72	63	55	49	54	48	43	45	40	37	37	34	31	27		
4	72	60	51	44	66	56	48	42	48	41	37	40	35	31	33	30	27	23		
5	66	54	45	38	61	50	42	36	43	37	32	36	31	28	30	27	23	20		
6	61	48	40	34	57	45	37	32	39	33	28	33	28	25	28	24	21	18		
7	57	44	36	30	53	41	34	28	36	30	25	31	26	22	26	22	19	17		
8	53	41	33	27	49	38	31	26	33	27	23	29	24	20	24	21	18	15		
9	50	37	30	25	46	35	28	23	31	25	21	27	22	19	23	19	16	14		
10	47	35	27	22	44	33	26	21	29	23	19	25	21	17	22	18	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96671
5°	45309
10°	12737
15°	5985
20°	3943
25°	2929
30°	2410
35°	2105
40°	1899
45°	1783
50°	1700
55°	1655
60°	1624
65°	1617
70°	1612
75°	1621
80°	1603
85°	1627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1783 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	6.0
10°-20°	102.1	4.5
20°-30°	99.5	4.4
30°-40°	113.3	5.0
40°-50°	132.3	5.8
50°-60°	153.5	6.8
60°-70°	172.4	7.6
70°-80°	185.2	8.2
80°-90°	189.1	8.3
90°-100°	193.9	8.5
100°-110°	189.8	8.4
110°-120°	173.5	7.6
120°-130°	147.8	6.5
130°-140°	116.6	5.1
140°-150°	83.4	3.7
150°-160°	52.5	2.3
160°-170°	25.5	1.1
170°-180°	5.3	0.2
0°-30°	337.9	14.9
0°-40°	451.2	19.9
0°-60°	737.0	32.4
0°-90°	1283.7	56.5
90°-120°	557.2	24.5
90°-150°	905.0	39.8
90°-180°	988.0	43.5
0°-180°	2272.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3056	
5°	1837	136
15°	344	102
25°	212	100
35°	180	113
45°	171	132
55°	171	153
65°	174	172
75°	176	185
85°	173	141
90°	175	96
95°	178	146
105°	180	190
115°	175	173
125°	165	148
135°	150	117
145°	132	83
155°	113	52
165°	90	26
175°	47	5
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3055.7
2.5°	3316.0
5°	1836.9
7.5°	851.9
10°	626.2
12.5°	431.0
15°	343.6
17.5°	292.8
20°	257.2
22.5°	230.8
25°	212.5
27.5°	200.3
30°	191.1
32.5°	185.0
35°	179.9
37.5°	175.9
40°	172.8
42.5°	171.8
45°	170.8
47.5°	169.8
50°	169.8
52.5°	170.8
55°	170.8
57.5°	171.8
60°	171.8
62.5°	172.8
65°	173.8
67.5°	174.8
70°	174.8
72.5°	175.9
75°	175.9
77.5°	174.8
80°	172.8
82.5°	172.8
85°	172.8
87.5°	173.8
90°	174.8
92.5°	176.9
95°	177.9
97.5°	178.9
100°	179.9
102.5°	179.9
105°	179.9
107.5°	178.9
110°	177.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	176.9
115°	174.8
117.5°	172.8
120°	170.8
122.5°	167.7
125°	164.7
127.5°	161.6
130°	158.6
132.5°	154.5
135°	150.4
137.5°	146.4
140°	141.3
142.5°	137.2
145°	132.2
147.5°	128.1
150°	123.0
152.5°	117.9
155°	112.8
157.5°	107.8
160°	101.7
162.5°	96.6
165°	89.5
167.5°	81.3
170°	71.2
172.5°	60.0
175°	46.8
177.5°	34.6
180°	30.5

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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	9.2	10.2	10.1	11.1	12.3	9.2	10.2	10.1	11.1	12.3
	3H	12.0	12.9	12.9	13.9	15.1	12.0	12.9	12.9	13.9	15.1
	4H	13.4	14.3	14.3	15.2	16.4	13.4	14.3	14.3	15.2	16.4
	6H	14.7	15.6	15.6	16.5	17.7	14.7	15.6	15.6	16.5	17.7
	8H	15.4	16.2	16.3	17.1	18.3	15.4	16.2	16.3	17.1	18.3
	12H	16.0	16.8	16.9	17.7	18.9	16.0	16.8	16.9	17.7	18.9
4H	2H	9.9	10.8	10.8	11.7	12.9	9.9	10.8	10.8	11.7	12.9
	3H	12.9	13.7	13.8	14.7	15.9	12.9	13.7	13.8	14.7	15.9
	4H	14.5	15.2	15.4	16.1	17.4	14.5	15.2	15.4	16.1	17.4
	6H	16.0	16.6	16.9	17.6	18.8	16.0	16.6	16.9	17.6	18.8
	8H	16.7	17.3	17.6	18.3	19.5	16.7	17.3	17.6	18.3	19.5
	12H	17.4	18.0	18.4	19.0	20.2	17.4	18.0	18.4	19.0	20.2
8H	4H	15.0	15.6	15.9	16.5	17.8	15.0	15.6	15.9	16.5	17.8
	6H	16.7	17.2	17.6	18.2	19.4	16.7	17.2	17.6	18.2	19.4
	8H	17.5	18.0	18.5	19.0	20.3	17.5	18.0	18.5	19.0	20.3
	12H	18.4	18.9	19.4	19.9	21.2	18.4	18.9	19.4	19.9	21.2
12H	4H	15.0	15.6	16.0	16.6	17.8	15.0	15.6	16.0	16.6	17.8
	6H	16.8	17.3	17.8	18.3	19.6	16.8	17.3	17.8	18.3	19.6
	8H	17.8	18.2	18.8	19.2	20.5	17.8	18.2	18.8	19.2	20.5

(END OF REPORT)