

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: P1245314

Luminaire Tested: PRLX-UNA-L-930-05L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245314
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-930-05L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

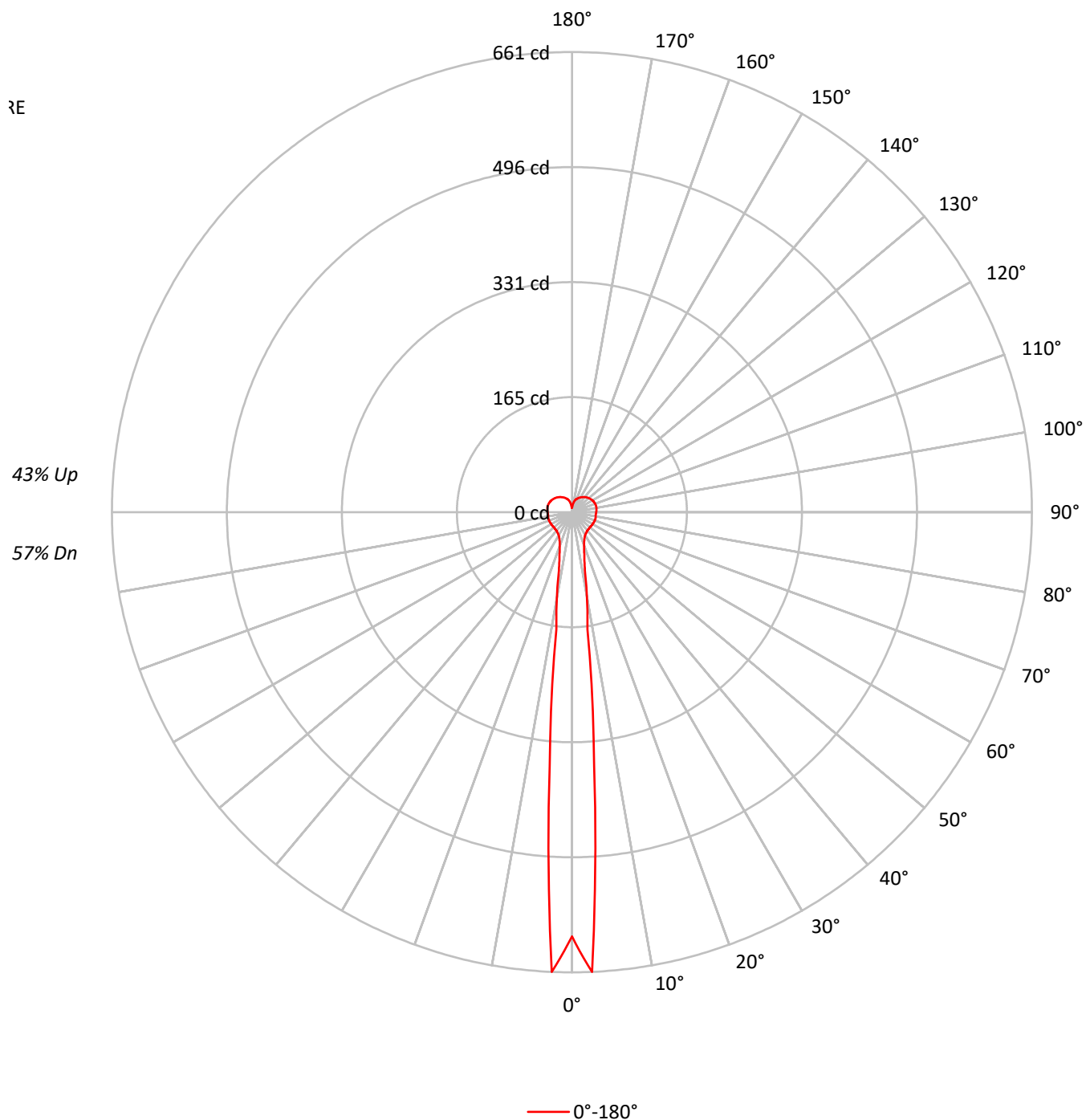
Lumens per Lamp: N/A
Luminaire Lumens: 453.3 lumens
Efficiency: N/A
Efficacy: 30.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 14.8
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°	19276
5°	9033
10°	2540
15°	1193
20°	786
25°	584
30°	480
35°	420
40°	379
45°	356
50°	338
55°	330
60°	324
65°	323
70°	322
75°	323
80°	320
85°	325

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 356 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	6.0
10°-20°	20.4	4.5
20°-30°	19.8	4.4
30°-40°	22.6	5.0
40°-50°	26.4	5.8
50°-60°	30.6	6.8
60°-70°	34.4	7.6
70°-80°	37.0	8.2
80°-90°	37.8	8.3
90°-100°	38.7	8.5
100°-110°	37.9	8.4
110°-120°	34.6	7.6
120°-130°	29.5	6.5
130°-140°	23.2	5.1
140°-150°	16.6	3.7
150°-160°	10.5	2.3
160°-170°	5.1	1.1
170°-180°	1.0	0.2
0°-30°	67.4	14.9
0°-40°	90.0	19.8
0°-60°	147.0	32.4
0°-90°	256.1	56.5
90°-120°	111.2	24.5
90°-150°	180.5	39.8
90°-180°	197.0	43.5
0°-180°	453.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	609	
5°	366	27
15°	68	20
25°	42	20
35°	36	23
45°	34	26
55°	34	31
65°	35	34
75°	35	37
85°	34	28
90°	35	19
95°	36	29
105°	36	38
115°	35	35
125°	33	29
135°	30	23
145°	26	17
155°	22	10
165°	18	5
175°	9	1
180°	6	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	609.3
2.5°	661.1
5°	366.2
7.5°	169.8
10°	124.9
12.5°	85.9
15°	68.5
17.5°	58.4
20°	51.3
22.5°	46.0
25°	42.4
27.5°	39.9
30°	38.1
32.5°	36.9
35°	35.9
37.5°	35.1
40°	34.5
42.5°	34.3
45°	34.1
47.5°	33.8
50°	33.8
52.5°	34.1
55°	34.1
57.5°	34.3
60°	34.3
62.5°	34.5
65°	34.7
67.5°	34.9
70°	34.9
72.5°	35.1
75°	35.1
77.5°	34.9
80°	34.5
82.5°	34.5
85°	34.5
87.5°	34.7
90°	34.9
92.5°	35.3
95°	35.5
97.5°	35.7
100°	35.9
102.5°	35.9
105°	35.9
107.5°	35.7
110°	35.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	35.3
115°	34.9
117.5°	34.5
120°	34.1
122.5°	33.4
125°	32.8
127.5°	32.2
130°	31.6
132.5°	30.8
135°	30.0
137.5°	29.2
140°	28.2
142.5°	27.4
145°	26.3
147.5°	25.5
150°	24.5
152.5°	23.5
155°	22.5
157.5°	21.5
160°	20.3
162.5°	19.3
165°	17.8
167.5°	16.2
170°	14.2
172.5°	12.0
175°	9.3
177.5°	6.9
180°	6.1

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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	3.6	4.6	4.5	5.5	6.7	3.6	4.6	4.5	5.5	6.7
	3H	6.4	7.3	7.3	8.3	9.5	6.4	7.3	7.3	8.3	9.5
	4H	7.8	8.7	8.7	9.6	10.8	7.8	8.7	8.7	9.6	10.8
	6H	9.1	10.0	10.1	10.9	12.1	9.1	10.0	10.1	10.9	12.1
	8H	9.8	10.6	10.7	11.5	12.7	9.8	10.6	10.7	11.5	12.7
	12H	10.4	11.2	11.3	12.1	13.3	10.4	11.2	11.3	12.1	13.3
4H	2H	4.3	5.2	5.2	6.1	7.3	4.3	5.2	5.2	6.1	7.3
	3H	7.3	8.1	8.2	9.1	10.3	7.3	8.1	8.2	9.1	10.3
	4H	8.9	9.6	9.8	10.5	11.8	8.9	9.6	9.8	10.5	11.8
	6H	10.4	11.0	11.3	12.0	13.2	10.4	11.0	11.3	12.0	13.2
	8H	11.1	11.7	12.0	12.7	13.9	11.1	11.7	12.0	12.7	13.9
	12H	11.8	12.4	12.8	13.4	14.6	11.8	12.4	12.8	13.4	14.6
8H	4H	9.4	10.0	10.3	10.9	12.2	9.4	10.0	10.3	10.9	12.2
	6H	11.1	11.6	12.0	12.6	13.8	11.1	11.6	12.0	12.6	13.8
	8H	11.9	12.4	12.9	13.4	14.7	11.9	12.4	12.9	13.4	14.7
	12H	12.8	13.3	13.8	14.3	15.6	12.8	13.3	13.8	14.3	15.6
12H	4H	9.5	10.0	10.4	11.0	12.2	9.5	10.0	10.4	11.0	12.2
	6H	11.2	11.7	12.2	12.7	14.0	11.2	11.7	12.2	12.7	14.0
	8H	12.2	12.6	13.2	13.6	14.9	12.2	12.6	13.2	13.6	14.9

(END OF REPORT)