

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: P1244798

Luminaire Tested: PRLX-MIN-L-927-20L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244798
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-927-20L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

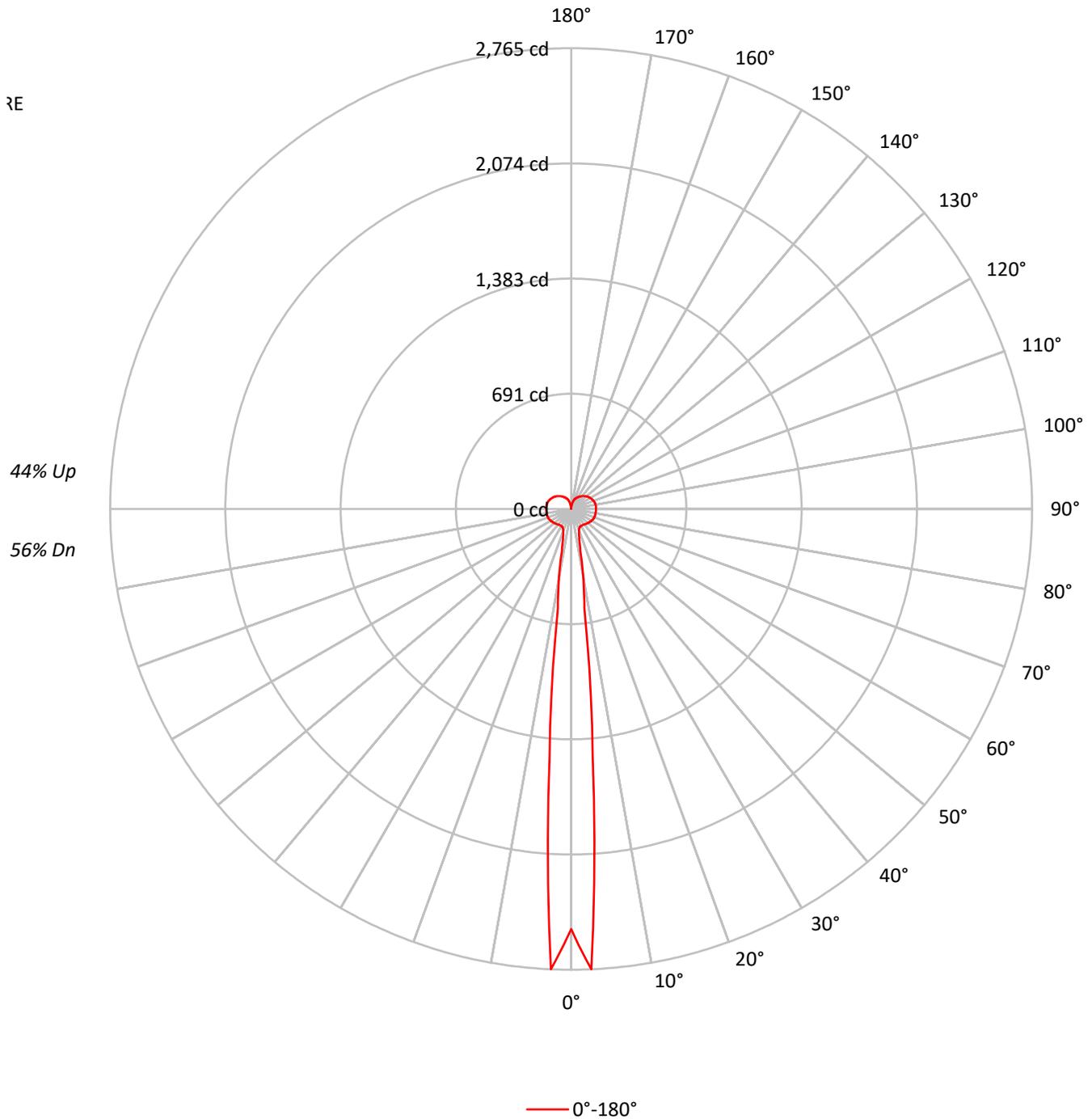
Lumens per Lamp: N/A
Luminaire Lumens: 1739.0 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 48.6
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	79746
5°	36570
10°	8524
15°	3254
20°	2102
25°	1673
30°	1487
35°	1389
40°	1343
45°	1322
50°	1312
55°	1320
60°	1329
65°	1348
70°	1361
75°	1376
80°	1377
85°	1405

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1437 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	6.1
10°-20°	58.5	3.4
20°-30°	57.0	3.3
30°-40°	74.8	4.3
40°-50°	98.1	5.6
50°-60°	122.2	7.0
60°-70°	143.7	8.3
70°-80°	157.1	9.0
80°-90°	162.5	9.3
90°-100°	162.8	9.4
100°-110°	154.7	8.9
110°-120°	136.9	7.9
120°-130°	112.7	6.5
130°-140°	85.1	4.9
140°-150°	57.5	3.3
150°-160°	33.7	1.9
160°-170°	13.9	0.8
170°-180°	1.3	0.1
0°-30°	221.9	12.8
0°-40°	296.7	17.1
0°-60°	517.1	29.7
0°-90°	980.4	56.4
90°-120°	454.4	26.1
90°-150°	709.6	40.8
90°-180°	759.0	43.6
0°-180°	1739.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2521	
5°	1483	106
15°	187	59
25°	121	57
35°	119	75
45°	127	98
55°	136	122
65°	145	144
75°	149	157
85°	149	122
90°	149	82
95°	149	122
105°	147	155
115°	138	137
125°	126	113
135°	110	85
145°	91	57
155°	72	34
165°	49	14
175°	7	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2520.7
2.5°	2765.2
5°	1482.6
7.5°	603.3
10°	419.1
12.5°	256.7
15°	186.8
17.5°	155.4
20°	137.1
22.5°	127.5
25°	121.4
27.5°	118.7
30°	117.9
32.5°	117.9
35°	118.7
37.5°	119.6
40°	122.2
42.5°	124.0
45°	126.6
47.5°	129.2
50°	131.0
52.5°	133.6
55°	136.2
57.5°	138.8
60°	140.6
62.5°	143.2
65°	144.9
67.5°	146.7
70°	147.6
72.5°	148.4
75°	149.3
77.5°	148.4
80°	148.4
82.5°	148.4
85°	149.3
87.5°	149.3
90°	149.3
92.5°	149.3
95°	149.3
97.5°	149.3
100°	148.4
102.5°	147.6
105°	146.7
107.5°	144.9
110°	143.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	140.6
115°	138.0
117.5°	135.3
120°	131.8
122.5°	129.2
125°	125.7
127.5°	122.2
130°	117.9
132.5°	114.4
135°	110.0
137.5°	104.8
140°	100.4
142.5°	96.0
145°	90.8
147.5°	86.4
150°	82.1
152.5°	76.8
155°	72.5
157.5°	67.2
160°	62.0
162.5°	55.9
165°	48.9
167.5°	39.3
170°	27.1
172.5°	16.6
175°	7.0
177.5°	1.7
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	8.6	9.6	9.5	10.5	11.7	8.6	9.6	9.5	10.5	11.7
	3H	11.6	12.5	12.5	13.5	14.7	11.6	12.5	12.5	13.5	14.7
	4H	13.0	13.9	13.9	14.9	16.1	13.0	13.9	13.9	14.9	16.1
	6H	14.4	15.3	15.3	16.2	17.4	14.4	15.3	15.3	16.2	17.4
	8H	15.1	15.9	16.0	16.9	18.1	15.1	15.9	16.0	16.9	18.1
	12H	15.7	16.5	16.7	17.5	18.7	15.7	16.5	16.7	17.5	18.7
4H	2H	9.4	10.3	10.3	11.2	12.4	9.4	10.3	10.3	11.2	12.4
	3H	12.5	13.3	13.5	14.3	15.5	12.5	13.3	13.5	14.3	15.5
	4H	14.1	14.9	15.0	15.8	17.1	14.1	14.9	15.0	15.8	17.1
	6H	15.7	16.3	16.6	17.3	18.5	15.7	16.3	16.6	17.3	18.5
	8H	16.4	17.1	17.4	18.0	19.3	16.4	17.1	17.4	18.0	19.3
	12H	17.2	17.8	18.2	18.8	20.0	17.2	17.8	18.2	18.8	20.0
8H	4H	14.6	15.3	15.6	16.2	17.5	14.6	15.3	15.6	16.2	17.5
	6H	16.4	16.9	17.4	17.9	19.2	16.4	16.9	17.4	17.9	19.2
	8H	17.3	17.8	18.3	18.8	20.0	17.3	17.8	18.3	18.8	20.0
	12H	18.2	18.7	19.2	19.7	21.0	18.2	18.7	19.2	19.7	21.0
12H	4H	14.7	15.3	15.7	16.3	17.6	14.7	15.3	15.7	16.3	17.6
	6H	16.6	17.1	17.5	18.0	19.3	16.6	17.1	17.5	18.0	19.3
	8H	17.6	18.0	18.5	19.0	20.3	17.6	18.0	18.5	19.0	20.3

(END OF REPORT)