

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: P1245374

Luminaire Tested: PRLX-UNA-L-940-20L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245374
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-940-20L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

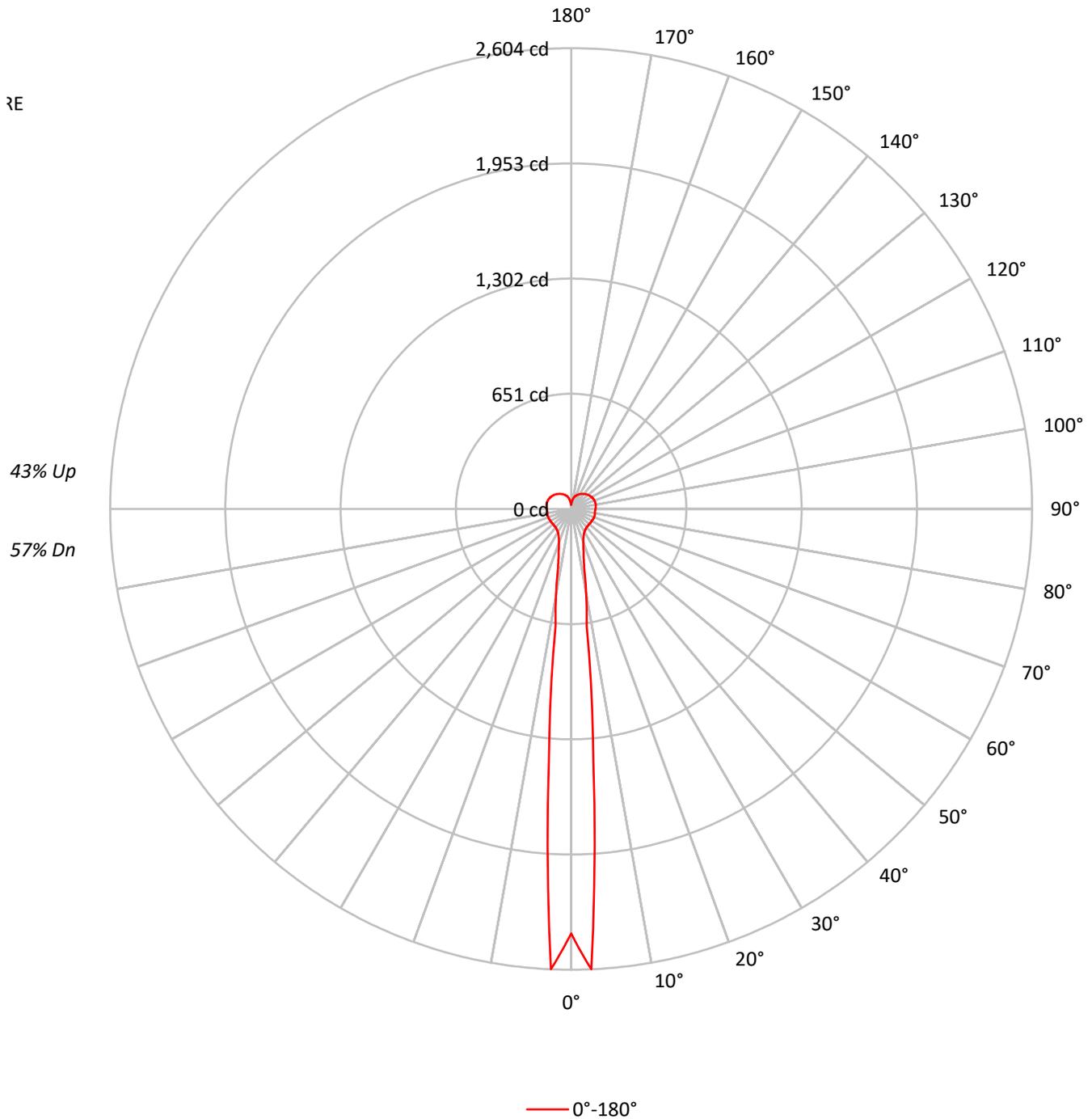
Lumens per Lamp: N/A
Luminaire Lumens: 1784.1 lumens
Efficiency: N/A
Efficacy: 36.7 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 48.6
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	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	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°	75908
5°	35576
10°	10001
15°	4699
20°	3095
25°	2299
30°	1893
35°	1653
40°	1492
45°	1400
50°	1335
55°	1299
60°	1276
65°	1270
70°	1266
75°	1273
80°	1259
85°	1277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1400 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	6.0
10°-20°	80.2	4.5
20°-30°	78.1	4.4
30°-40°	89.0	5.0
40°-50°	103.9	5.8
50°-60°	120.5	6.8
60°-70°	135.4	7.6
70°-80°	145.5	8.2
80°-90°	148.5	8.3
90°-100°	152.3	8.5
100°-110°	149.1	8.4
110°-120°	136.2	7.6
120°-130°	116.1	6.5
130°-140°	91.5	5.1
140°-150°	65.5	3.7
150°-160°	41.2	2.3
160°-170°	20.0	1.1
170°-180°	4.1	0.2
0°-30°	265.3	14.9
0°-40°	354.2	19.9
0°-60°	578.6	32.4
0°-90°	1008.0	56.5
90°-120°	437.6	24.5
90°-150°	710.7	39.8
90°-180°	776.0	43.5
0°-180°	1784.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2399	
5°	1442	107
15°	270	80
25°	167	78
35°	141	89
45°	134	104
55°	134	121
65°	136	135
75°	138	145
85°	136	111
90°	137	75
95°	140	114
105°	141	149
115°	137	136
125°	129	116
135°	118	92
145°	104	66
155°	89	41
165°	70	20
175°	37	4
180°	24	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2399.4
2.5°	2603.7
5°	1442.3
7.5°	668.9
10°	491.7
12.5°	338.4
15°	269.8
17.5°	229.9
20°	201.9
22.5°	181.2
25°	166.8
27.5°	157.2
30°	150.1
32.5°	145.3
35°	141.3
37.5°	138.1
40°	135.7
42.5°	134.9
45°	134.1
47.5°	133.3
50°	133.3
52.5°	134.1
55°	134.1
57.5°	134.9
60°	134.9
62.5°	135.7
65°	136.5
67.5°	137.3
70°	137.3
72.5°	138.1
75°	138.1
77.5°	137.3
80°	135.7
82.5°	135.7
85°	135.7
87.5°	136.5
90°	137.3
92.5°	138.9
95°	139.7
97.5°	140.5
100°	141.3
102.5°	141.3
105°	141.3
107.5°	140.5
110°	139.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	138.9
115°	137.3
117.5°	135.7
120°	134.1
122.5°	131.7
125°	129.3
127.5°	126.9
130°	124.5
132.5°	121.3
135°	118.1
137.5°	114.9
140°	110.9
142.5°	107.8
145°	103.8
147.5°	100.6
150°	96.6
152.5°	92.6
155°	88.6
157.5°	84.6
160°	79.8
162.5°	75.8
165°	70.2
167.5°	63.9
170°	55.9
172.5°	47.1
175°	36.7
177.5°	27.1
180°	23.9



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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	8.3	9.3	9.2	10.3	11.4	8.3	9.3	9.2	10.3	11.4
	3H	11.2	12.1	12.1	13.0	14.2	11.2	12.1	12.1	13.0	14.2
	4H	12.5	13.4	13.5	14.4	15.6	12.5	13.4	13.5	14.4	15.6
	6H	13.9	14.7	14.8	15.7	16.9	13.9	14.7	14.8	15.7	16.9
	8H	14.5	15.3	15.4	16.3	17.5	14.5	15.3	15.4	16.3	17.5
	12H	15.2	15.9	16.1	16.9	18.1	15.2	15.9	16.1	16.9	18.1
4H	2H	9.1	9.9	10.0	10.9	12.1	9.1	9.9	10.0	10.9	12.1
	3H	12.1	12.9	13.0	13.8	15.0	12.1	12.9	13.0	13.8	15.0
	4H	13.6	14.3	14.5	15.3	16.5	13.6	14.3	14.5	15.3	16.5
	6H	15.1	15.8	16.1	16.7	18.0	15.1	15.8	16.1	16.7	18.0
	8H	15.9	16.5	16.8	17.4	18.7	15.9	16.5	16.8	17.4	18.7
	12H	16.6	17.1	17.6	18.1	19.4	16.6	17.1	17.6	18.1	19.4
8H	4H	14.1	14.7	15.1	15.7	16.9	14.1	14.7	15.1	15.7	16.9
	6H	15.8	16.3	16.8	17.3	18.6	15.8	16.3	16.8	17.3	18.6
	8H	16.7	17.2	17.7	18.2	19.4	16.7	17.2	17.7	18.2	19.4
	12H	17.6	18.0	18.6	19.0	20.3	17.6	18.0	18.6	19.0	20.3
12H	4H	14.2	14.8	15.2	15.7	17.0	14.2	14.8	15.2	15.7	17.0
	6H	16.0	16.5	17.0	17.4	18.7	16.0	16.5	17.0	17.4	18.7
	8H	16.9	17.4	17.9	18.4	19.7	16.9	17.4	17.9	18.4	19.7

(END OF REPORT)