

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: P1244871

Luminaire Tested: PRLX-MIN-L-940-20L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244871
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-940-20L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

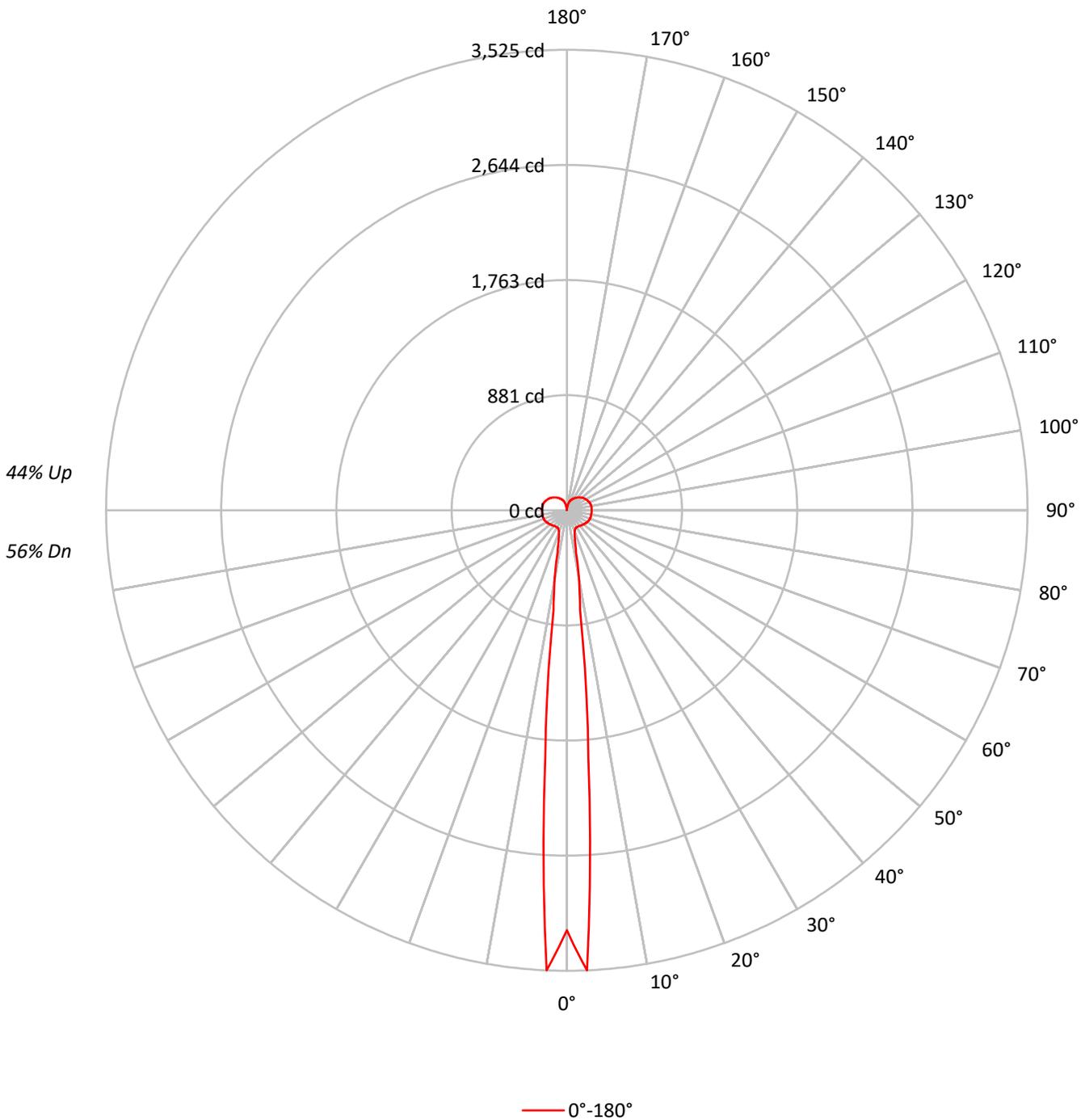
Lumens per Lamp: N/A
Luminaire Lumens: 2216.9 lumens
Efficiency: N/A
Efficacy: 45.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 48.6
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P1244871

CATALOG NUMBER: PRLX-MIN-L-940-20L-U-OW

Luminous Intensity Polar Plot





TEST NUMBER: P1244871

CATALOG NUMBER: PRLX-MIN-L-940-20L-U-OW

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°	101667
5°	46621
10°	10867
15°	4149
20°	2680
25°	2133
30°	1895
35°	1771
40°	1712
45°	1685
50°	1672
55°	1682
60°	1694
65°	1719
70°	1735
75°	1754
80°	1755
85°	1791

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1832 cd/sqm

TEST NUMBER: P1244871

CATALOG NUMBER: PRLX-MIN-L-940-20L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.6	6.1
10°-20°	74.6	3.4
20°-30°	72.7	3.3
30°-40°	95.4	4.3
40°-50°	125.1	5.6
50°-60°	155.8	7.0
60°-70°	183.2	8.3
70°-80°	200.3	9.0
80°-90°	207.2	9.3
90°-100°	207.5	9.4
100°-110°	197.3	8.9
110°-120°	174.5	7.9
120°-130°	143.7	6.5
130°-140°	108.4	4.9
140°-150°	73.3	3.3
150°-160°	42.9	1.9
160°-170°	17.7	0.8
170°-180°	1.7	0.1
0°-30°	282.9	12.8
0°-40°	378.3	17.1
0°-60°	659.2	29.7
0°-90°	1249.9	56.4
90°-120°	579.3	26.1
90°-150°	904.7	40.8
90°-180°	967.0	43.6
0°-180°	2216.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3214	
5°	1890	136
15°	238	75
25°	155	73
35°	151	95
45°	161	125
55°	174	156
65°	185	183
75°	190	200
85°	190	155
90°	190	104
95°	190	155
105°	187	197
115°	176	175
125°	160	144
135°	140	108
145°	116	73
155°	92	43
165°	62	18
175°	9	2
180°	1	

TEST NUMBER: P1244871

CATALOG NUMBER: PRLX-MIN-L-940-20L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3213.6
2.5°	3525.2
5°	1890.1
7.5°	769.2
10°	534.3
12.5°	327.3
15°	238.2
17.5°	198.1
20°	174.8
22.5°	162.5
25°	154.7
27.5°	151.4
30°	150.3
32.5°	150.3
35°	151.4
37.5°	152.5
40°	155.8
42.5°	158.1
45°	161.4
47.5°	164.7
50°	167.0
52.5°	170.3
55°	173.6
57.5°	177.0
60°	179.2
62.5°	182.6
65°	184.8
67.5°	187.0
70°	188.1
72.5°	189.2
75°	190.3
77.5°	189.2
80°	189.2
82.5°	189.2
85°	190.3
87.5°	190.3
90°	190.3
92.5°	190.3
95°	190.3
97.5°	190.3
100°	189.2
102.5°	188.1
105°	187.0
107.5°	184.8
110°	182.6

TEST NUMBER: P1244871

CATALOG NUMBER: PRLX-MIN-L-940-20L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	179.2
115°	175.9
117.5°	172.5
120°	168.1
122.5°	164.7
125°	160.3
127.5°	155.8
130°	150.3
132.5°	145.8
135°	140.3
137.5°	133.6
140°	128.0
142.5°	122.4
145°	115.8
147.5°	110.2
150°	104.6
152.5°	98.0
155°	92.4
157.5°	85.7
160°	79.0
162.5°	71.2
165°	62.3
167.5°	50.1
170°	34.5
172.5°	21.1
175°	8.9
177.5°	2.2
180°	1.1



TEST NUMBER: P1244871

CATALOG NUMBER: PRLX-MIN-L-940-20L-U-OW

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	9.4	10.5	10.3	11.4	12.6	9.4	10.5	10.3	11.4	12.6
	3H	12.4	13.4	13.3	14.3	15.5	12.4	13.4	13.3	14.3	15.5
	4H	13.9	14.8	14.8	15.7	16.9	13.9	14.8	14.8	15.7	16.9
	6H	15.3	16.1	16.2	17.1	18.3	15.3	16.1	16.2	17.1	18.3
	8H	15.9	16.7	16.8	17.7	18.9	15.9	16.7	16.8	17.7	18.9
	12H	16.6	17.4	17.5	18.3	19.6	16.6	17.4	17.5	18.3	19.6
4H	2H	10.2	11.1	11.1	12.1	13.3	10.2	11.1	11.1	12.1	13.3
	3H	13.4	14.2	14.3	15.1	16.3	13.4	14.2	14.3	15.1	16.3
	4H	15.0	15.7	15.9	16.7	17.9	15.0	15.7	15.9	16.7	17.9
	6H	16.5	17.2	17.5	18.2	19.4	16.5	17.2	17.5	18.2	19.4
	8H	17.3	17.9	18.2	18.9	20.1	17.3	17.9	18.2	18.9	20.1
	12H	18.0	18.6	19.0	19.6	20.9	18.0	18.6	19.0	19.6	20.9
8H	4H	15.5	16.1	16.4	17.1	18.3	15.5	16.1	16.4	17.1	18.3
	6H	17.2	17.8	18.2	18.8	20.0	17.2	17.8	18.2	18.8	20.0
	8H	18.1	18.6	19.1	19.6	20.9	18.1	18.6	19.1	19.6	20.9
	12H	19.1	19.5	20.1	20.5	21.8	19.1	19.5	20.1	20.5	21.8
12H	4H	15.6	16.2	16.5	17.1	18.4	15.6	16.2	16.5	17.1	18.4
	6H	17.4	17.9	18.4	18.9	20.2	17.4	17.9	18.4	18.9	20.2
	8H	18.4	18.8	19.4	19.8	21.1	18.4	18.8	19.4	19.8	21.1

(END OF REPORT)