

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: P1245375

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245375
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-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

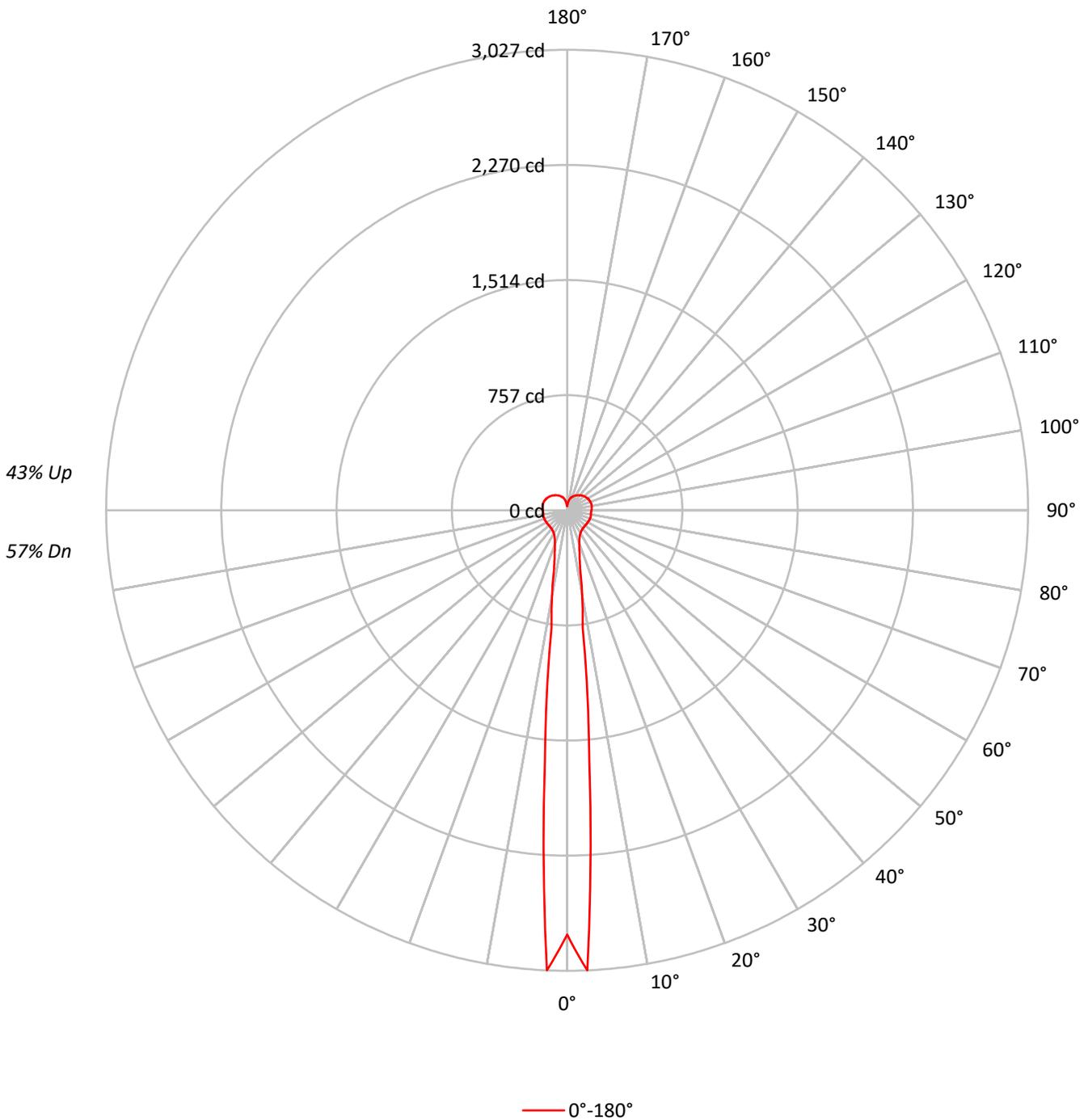
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2074.0 lumens
Efficiency: N/A
Efficacy: 42.7 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 (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	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°	88246
5°	41360
10°	11626
15°	5462
20°	3600
25°	2673
30°	2200
35°	1921
40°	1734
45°	1627
50°	1552
55°	1510
60°	1483
65°	1476
70°	1472
75°	1479
80°	1464
85°	1486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1627 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	6.0
10°-20°	93.2	4.5
20°-30°	90.8	4.4
30°-40°	103.4	5.0
40°-50°	120.8	5.8
50°-60°	140.1	6.8
60°-70°	157.4	7.6
70°-80°	169.1	8.2
80°-90°	172.7	8.3
90°-100°	177.0	8.5
100°-110°	173.2	8.4
110°-120°	158.4	7.6
120°-130°	134.9	6.5
130°-140°	106.4	5.1
140°-150°	76.1	3.7
150°-160°	47.9	2.3
160°-170°	23.3	1.1
170°-180°	4.8	0.2
0°-30°	308.4	14.9
0°-40°	411.8	19.9
0°-60°	672.7	32.4
0°-90°	1171.9	56.5
90°-120°	508.7	24.5
90°-150°	826.2	39.8
90°-180°	902.0	43.5
0°-180°	2074.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2789	
5°	1677	124
15°	314	93
25°	194	91
35°	164	103
45°	156	121
55°	156	140
65°	159	157
75°	160	169
85°	158	129
90°	160	88
95°	162	133
105°	164	173
115°	160	158
125°	150	135
135°	137	106
145°	121	76
155°	103	48
165°	82	23
175°	43	5
180°	28	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2789.4
2.5°	3027.0
5°	1676.8
7.5°	777.6
10°	571.6
12.5°	393.5
15°	313.6
17.5°	267.2
20°	234.8
22.5°	210.6
25°	193.9
27.5°	182.8
30°	174.5
32.5°	168.9
35°	164.2
37.5°	160.5
40°	157.8
42.5°	156.8
45°	155.9
47.5°	155.0
50°	155.0
52.5°	155.9
55°	155.9
57.5°	156.8
60°	156.8
62.5°	157.8
65°	158.7
67.5°	159.6
70°	159.6
72.5°	160.5
75°	160.5
77.5°	159.6
80°	157.8
82.5°	157.8
85°	157.8
87.5°	158.7
90°	159.6
92.5°	161.5
95°	162.4
97.5°	163.3
100°	164.2
102.5°	164.2
105°	164.2
107.5°	163.3
110°	162.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	161.5
115°	159.6
117.5°	157.8
120°	155.9
122.5°	153.1
125°	150.3
127.5°	147.5
130°	144.8
132.5°	141.0
135°	137.3
137.5°	133.6
140°	129.0
142.5°	125.3
145°	120.6
147.5°	116.9
150°	112.3
152.5°	107.6
155°	103.0
157.5°	98.4
160°	92.8
162.5°	88.2
165°	81.7
167.5°	74.2
170°	65.0
172.5°	54.7
175°	42.7
177.5°	31.6
180°	27.8



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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	8.9	9.9	9.7	10.8	11.9	8.9	9.9	9.7	10.8	11.9
	3H	11.7	12.6	12.6	13.5	14.7	11.7	12.6	12.6	13.5	14.7
	4H	13.1	14.0	14.0	14.9	16.1	13.1	14.0	14.0	14.9	16.1
	6H	14.4	15.2	15.3	16.2	17.4	14.4	15.2	15.3	16.2	17.4
	8H	15.0	15.8	16.0	16.8	18.0	15.0	15.8	16.0	16.8	18.0
	12H	15.7	16.4	16.6	17.4	18.6	15.7	16.4	16.6	17.4	18.6
4H	2H	9.6	10.5	10.5	11.4	12.6	9.6	10.5	10.5	11.4	12.6
	3H	12.6	13.4	13.5	14.3	15.6	12.6	13.4	13.5	14.3	15.6
	4H	14.1	14.9	15.1	15.8	17.0	14.1	14.9	15.1	15.8	17.0
	6H	15.6	16.3	16.6	17.3	18.5	15.6	16.3	16.6	17.3	18.5
	8H	16.4	17.0	17.3	18.0	19.2	16.4	17.0	17.3	18.0	19.2
	12H	17.1	17.7	18.1	18.6	19.9	17.1	17.7	18.1	18.6	19.9
8H	4H	14.6	15.2	15.6	16.2	17.5	14.6	15.2	15.6	16.2	17.5
	6H	16.3	16.9	17.3	17.9	19.1	16.3	16.9	17.3	17.9	19.1
	8H	17.2	17.7	18.2	18.7	19.9	17.2	17.7	18.2	18.7	19.9
	12H	18.1	18.5	19.1	19.5	20.8	18.1	18.5	19.1	19.5	20.8
12H	4H	14.7	15.3	15.7	16.3	17.5	14.7	15.3	15.7	16.3	17.5
	6H	16.5	17.0	17.5	18.0	19.3	16.5	17.0	17.5	18.0	19.3
	8H	17.5	17.9	18.4	18.9	20.2	17.5	17.9	18.4	18.9	20.2

(END OF REPORT)