

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: P1245380

Luminaire Tested: PRLX-UNA-L-940-27L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245380
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-940-27L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

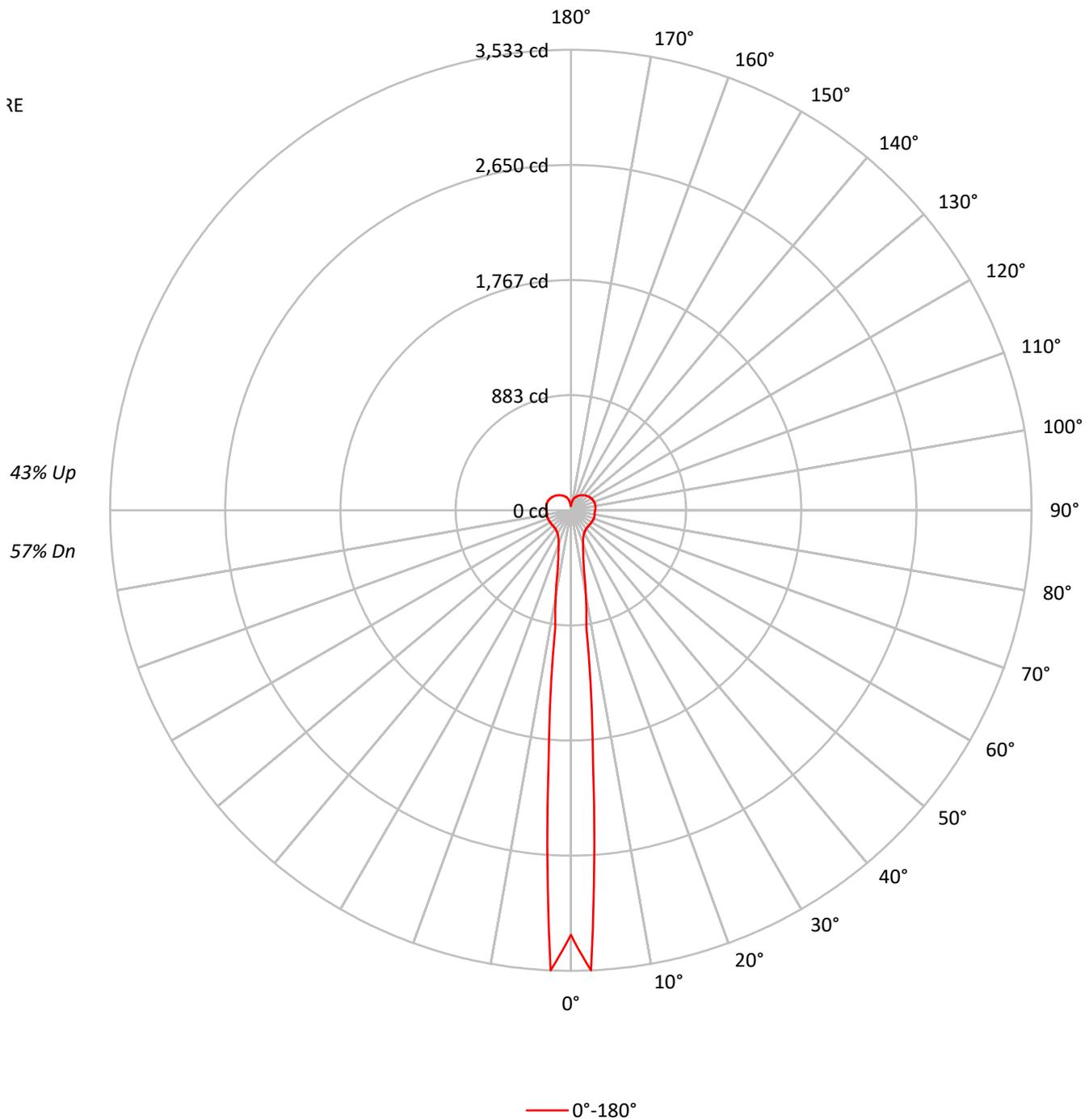
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2420.9 lumens
Efficiency: N/A
Efficacy: 34.9 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): 69.4
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: P1245380
CATALOG NUMBER: PRLX-UNA-L-940-27L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1245380

CATALOG NUMBER: PRLX-UNA-L-940-27L-U-NL

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°	103011
5°	48281
10°	13573
15°	6376
20°	4202
25°	3121
30°	2567
35°	2243
40°	2024
45°	1900
50°	1811
55°	1763
60°	1731
65°	1723
70°	1718
75°	1727
80°	1708
85°	1733

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1900 cd/sqm



TEST NUMBER: P1245380

CATALOG NUMBER: PRLX-UNA-L-940-27L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.1	6.0
10°-20°	108.8	4.5
20°-30°	106.1	4.4
30°-40°	120.7	5.0
40°-50°	141.0	5.8
50°-60°	163.5	6.8
60°-70°	183.7	7.6
70°-80°	197.4	8.2
80°-90°	201.5	8.3
90°-100°	206.7	8.5
100°-110°	202.2	8.4
110°-120°	184.9	7.6
120°-130°	157.5	6.5
130°-140°	124.2	5.1
140°-150°	88.9	3.7
150°-160°	55.9	2.3
160°-170°	27.2	1.1
170°-180°	5.6	0.2
0°-30°	360.0	14.9
0°-40°	480.7	19.9
0°-60°	785.3	32.4
0°-90°	1367.8	56.5
90°-120°	593.8	24.5
90°-150°	964.4	39.8
90°-180°	1053.0	43.5
0°-180°	2420.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3256	
5°	1957	145
15°	366	109
25°	226	106
35°	192	121
45°	182	141
55°	182	164
65°	185	184
75°	187	197
85°	184	151
90°	186	102
95°	190	155
105°	192	202
115°	186	185
125°	176	158
135°	160	124
145°	141	89
155°	120	56
165°	95	27
175°	50	6
180°	32	

TEST NUMBER: P1245380

CATALOG NUMBER: PRLX-UNA-L-940-27L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	3256.1
2.5°	3533.4
5°	1957.4
7.5°	907.7
10°	667.3
12.5°	459.3
15°	366.1
17.5°	312.0
20°	274.1
22.5°	245.9
25°	226.4
27.5°	213.4
30°	203.6
32.5°	197.1
35°	191.7
37.5°	187.4
40°	184.1
42.5°	183.1
45°	182.0
47.5°	180.9
50°	180.9
52.5°	182.0
55°	182.0
57.5°	183.1
60°	183.1
62.5°	184.1
65°	185.2
67.5°	186.3
70°	186.3
72.5°	187.4
75°	187.4
77.5°	186.3
80°	184.1
82.5°	184.1
85°	184.1
87.5°	185.2
90°	186.3
92.5°	188.5
95°	189.6
97.5°	190.6
100°	191.7
102.5°	191.7
105°	191.7
107.5°	190.6
110°	189.6

TEST NUMBER: P1245380

CATALOG NUMBER: PRLX-UNA-L-940-27L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	188.5
115°	186.3
117.5°	184.1
120°	182.0
122.5°	178.7
125°	175.5
127.5°	172.2
130°	169.0
132.5°	164.6
135°	160.3
137.5°	156.0
140°	150.6
142.5°	146.2
145°	140.8
147.5°	136.5
150°	131.1
152.5°	125.7
155°	120.2
157.5°	114.8
160°	108.3
162.5°	102.9
165°	95.3
167.5°	86.7
170°	75.8
172.5°	63.9
175°	49.8
177.5°	36.8
180°	32.5



TEST NUMBER: P1245380

CATALOG NUMBER: PRLX-UNA-L-940-27L-U-NL

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	10.4	10.3	11.3	12.5	9.4	10.4	10.3	11.3	12.5
	3H	12.2	13.2	13.1	14.1	15.3	12.2	13.2	13.1	14.1	15.3
	4H	13.6	14.5	14.5	15.4	16.6	13.6	14.5	14.5	15.4	16.6
	6H	15.0	15.8	15.9	16.7	17.9	15.0	15.8	15.9	16.7	17.9
	8H	15.6	16.4	16.5	17.3	18.5	15.6	16.4	16.5	17.3	18.5
	12H	16.2	17.0	17.1	17.9	19.2	16.2	17.0	17.1	17.9	19.2
4H	2H	10.1	11.0	11.0	11.9	13.1	10.1	11.0	11.0	11.9	13.1
	3H	13.1	13.9	14.1	14.9	16.1	13.1	13.9	14.1	14.9	16.1
	4H	14.7	15.4	15.6	16.3	17.6	14.7	15.4	15.6	16.3	17.6
	6H	16.2	16.8	17.1	17.8	19.0	16.2	16.8	17.1	17.8	19.0
	8H	16.9	17.5	17.9	18.5	19.7	16.9	17.5	17.9	18.5	19.7
	12H	17.6	18.2	18.6	19.2	20.4	17.6	18.2	18.6	19.2	20.4
8H	4H	15.2	15.8	16.1	16.7	18.0	15.2	15.8	16.1	16.7	18.0
	6H	16.9	17.4	17.8	18.4	19.6	16.9	17.4	17.8	18.4	19.6
	8H	17.8	18.2	18.7	19.2	20.5	17.8	18.2	18.7	19.2	20.5
	12H	18.7	19.1	19.6	20.1	21.4	18.7	19.1	19.6	20.1	21.4
12H	4H	15.3	15.8	16.2	16.8	18.1	15.3	15.8	16.2	16.8	18.1
	6H	17.1	17.5	18.0	18.5	19.8	17.1	17.5	18.0	18.5	19.8
	8H	18.0	18.4	19.0	19.4	20.7	18.0	18.4	19.0	19.4	20.7

(END OF REPORT)