

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: P1245362

Luminaire Tested: PRLX-UNA-L-940-05L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245362
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-940-05L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

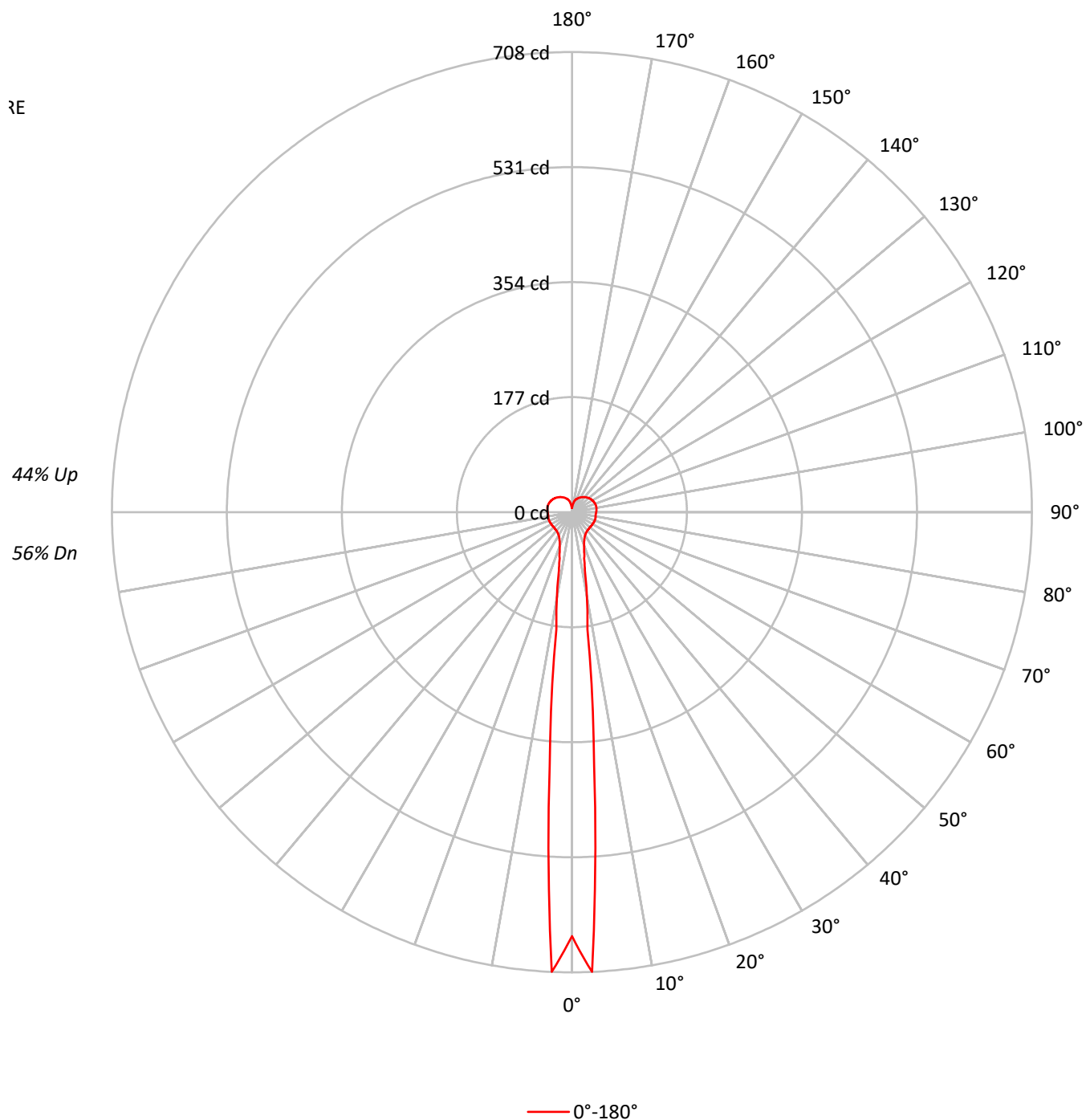
Lumens per Lamp: N/A
Luminaire Lumens: 485.0 lumens
Efficiency: N/A
Efficacy: 32.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 14.8
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: P1245362

CATALOG NUMBER: PRLX-UNA-L-940-05L-U-NL

Luminous Intensity Polar Plot



TEST NUMBER: P1245362

CATALOG NUMBER: PRLX-UNA-L-940-05L-U-NL

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20						20
RC	80					70					50					30						10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10	
RCR																						
0	109	109	109	109		101	101	101	101		87	87	87		74	74	74		62	62	62	
1	96	90	85	80		88	83	79	75		71	68	64		60	57	55		49	47	46	
2	86	77	70	63		80	72	65	59		61	56	51		51	47	44		42	39	37	
3	79	68	59	52		72	63	55	49		54	48	43		45	40	37		37	34	31	
4	72	60	51	44		66	56	48	42		48	41	37		40	35	31		33	30	27	
5	66	54	45	38		61	50	42	36		43	37	32		36	31	28		30	27	23	
6	61	48	40	34		57	45	37	32		39	33	28		33	28	25		28	24	21	
7	57	44	36	30		53	41	34	28		36	30	25		31	26	22		26	22	19	
8	53	41	33	27		49	38	31	26		33	27	23		29	24	20		24	21	18	
9	50	37	30	25		46	35	28	23		31	25	21		27	22	19		23	19	16	
10	47	35	27	22		44	33	26	21		29	23	19		25	21	17		22	18	15	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20636
5°	9672
10°	2719
15°	1277
20°	842
25°	626
30°	514
35°	449
40°	406
45°	381
50°	362
55°	354
60°	347
65°	345
70°	344
75°	346
80°	342
85°	347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 381 cd/sqm

TEST NUMBER: P1245362

CATALOG NUMBER: PRLX-UNA-L-940-05L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	6.0
10°-20°	21.8	4.5
20°-30°	21.3	4.4
30°-40°	24.2	5.0
40°-50°	28.2	5.8
50°-60°	32.8	6.8
60°-70°	36.8	7.6
70°-80°	39.5	8.1
80°-90°	40.4	8.3
90°-100°	41.4	8.5
100°-110°	40.5	8.4
110°-120°	37.0	7.6
120°-130°	31.6	6.5
130°-140°	24.9	5.1
140°-150°	17.8	3.7
150°-160°	11.2	2.3
160°-170°	5.4	1.1
170°-180°	1.1	0.2
0°-30°	72.1	14.9
0°-40°	96.3	19.9
0°-60°	157.3	32.4
0°-90°	274.0	56.5
90°-120°	119.0	24.5
90°-150°	193.3	39.8
90°-180°	211.0	43.5
0°-180°	485.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	652	
5°	392	29
15°	73	22
25°	45	21
35°	38	24
45°	36	28
55°	36	33
65°	37	37
75°	38	40
85°	37	30
90°	37	20
95°	38	31
105°	38	41
115°	37	37
125°	35	32
135°	32	25
145°	28	18
155°	24	11
165°	19	5
175°	10	1
180°	6	

TEST NUMBER: P1245362

CATALOG NUMBER: PRLX-UNA-L-940-05L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	652.3
2.5°	707.9
5°	392.1
7.5°	181.8
10°	133.7
12.5°	92.0
15°	73.3
17.5°	62.5
20°	54.9
22.5°	49.3
25°	45.4
27.5°	42.7
30°	40.8
32.5°	39.5
35°	38.4
37.5°	37.5
40°	36.9
42.5°	36.7
45°	36.5
47.5°	36.2
50°	36.2
52.5°	36.5
55°	36.5
57.5°	36.7
60°	36.7
62.5°	36.9
65°	37.1
67.5°	37.3
70°	37.3
72.5°	37.5
75°	37.5
77.5°	37.3
80°	36.9
82.5°	36.9
85°	36.9
87.5°	37.1
90°	37.3
92.5°	37.8
95°	38.0
97.5°	38.2
100°	38.4
102.5°	38.4
105°	38.4
107.5°	38.2
110°	38.0

TEST NUMBER: P1245362

CATALOG NUMBER: PRLX-UNA-L-940-05L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	37.8
115°	37.3
117.5°	36.9
120°	36.5
122.5°	35.8
125°	35.2
127.5°	34.5
130°	33.9
132.5°	33.0
135°	32.1
137.5°	31.2
140°	30.2
142.5°	29.3
145°	28.2
147.5°	27.3
150°	26.3
152.5°	25.2
155°	24.1
157.5°	23.0
160°	21.7
162.5°	20.6
165°	19.1
167.5°	17.4
170°	15.2
172.5°	12.8
175°	10.0
177.5°	7.4
180°	6.5

TEST NUMBER: P1245362

CATALOG NUMBER: PRLX-UNA-L-940-05L-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	3.8	4.8	4.7	5.7	6.9	3.8	4.8	4.7	5.7	6.9
	3H	6.6	7.6	7.5	8.5	9.7	6.6	7.6	7.5	8.5	9.7
	4H	8.0	8.9	8.9	9.8	11.0	8.0	8.9	8.9	9.8	11.0
	6H	9.4	10.2	10.3	11.1	12.3	9.4	10.2	10.3	11.1	12.3
	8H	10.0	10.8	10.9	11.7	13.0	10.0	10.8	10.9	11.7	13.0
	12H	10.6	11.4	11.6	12.3	13.6	10.6	11.4	11.6	12.3	13.6
4H	2H	4.5	5.4	5.4	6.3	7.5	4.5	5.4	5.4	6.3	7.5
	3H	7.6	8.3	8.5	9.3	10.5	7.6	8.3	8.5	9.3	10.5
	4H	9.1	9.8	10.0	10.8	12.0	9.1	9.8	10.0	10.8	12.0
	6H	10.6	11.2	11.5	12.2	13.4	10.6	11.2	11.5	12.2	13.4
	8H	11.3	11.9	12.3	12.9	14.2	11.3	11.9	12.3	12.9	14.2
	12H	12.1	12.6	13.0	13.6	14.9	12.1	12.6	13.0	13.6	14.9
8H	4H	9.6	10.2	10.5	11.2	12.4	9.6	10.2	10.5	11.2	12.4
	6H	11.3	11.8	12.3	12.8	14.1	11.3	11.8	12.3	12.8	14.1
	8H	12.2	12.6	13.1	13.6	14.9	12.2	12.6	13.1	13.6	14.9
	12H	13.1	13.5	14.1	14.5	15.8	13.1	13.5	14.1	14.5	15.8
12H	4H	9.7	10.2	10.6	11.2	12.5	9.7	10.2	10.6	11.2	12.5
	6H	11.5	11.9	12.4	12.9	14.2	11.5	11.9	12.4	12.9	14.2
	8H	12.4	12.8	13.4	13.8	15.1	12.4	12.8	13.4	13.8	15.1

(END OF REPORT)