

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: P1244858

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244858
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-940-05L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

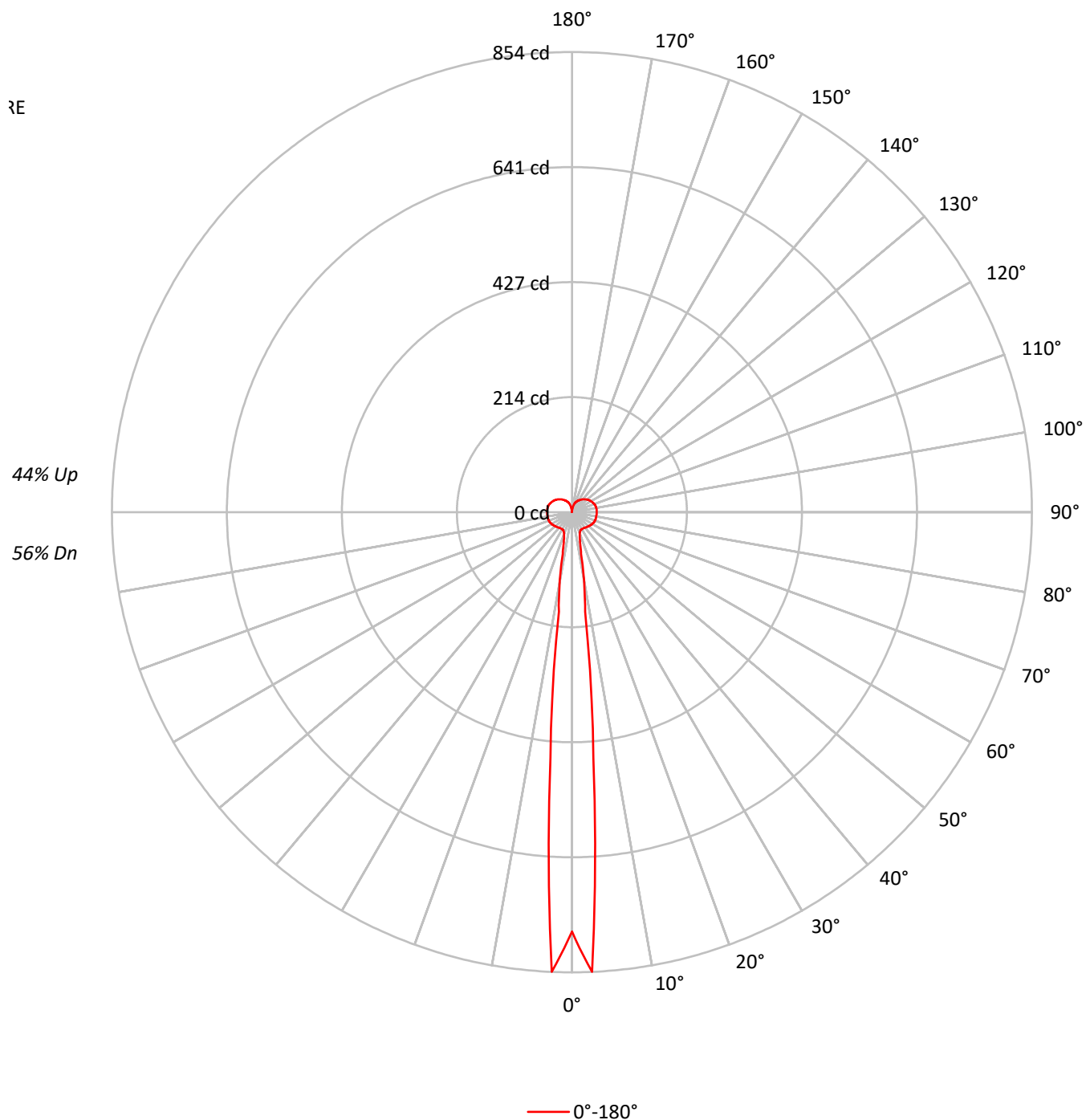
Lumens per Lamp: N/A
Luminaire Lumens: 537.0 lumens
Efficiency: N/A
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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: P1244858

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

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
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	95	89	83	78		88	82	77	73		70	66	63		59	56	53		48	46	44	
2	85	76	68	62		79	70	63	58		60	54	50		50	46	42		41	38	35	
3	77	66	57	50		71	61	53	47		52	46	41		43	39	35		36	32	29	
4	71	58	49	42		65	54	46	40		46	40	35		39	34	30		32	28	25	
5	65	52	43	37		60	48	40	34		41	35	30		35	30	26		29	25	22	
6	60	47	38	32		55	44	36	30		38	31	26		32	27	23		27	22	19	
7	56	43	34	28		52	40	32	27		35	28	24		29	24	21		25	21	18	
8	52	39	31	25		48	37	29	24		32	26	21		27	22	19		23	19	16	
9	49	36	28	23		45	34	27	22		30	24	20		26	21	17		22	18	15	
10	46	34	26	21		43	32	25	20		28	22	18		24	19	16		21	17	14	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24626
5°	11292
10°	2632
15°	1005
20°	649
25°	517
30°	459
35°	429
40°	414
45°	408
50°	404
55°	408
60°	410
65°	417
70°	421
75°	425
80°	425
85°	434

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 444 cd/sqm

TEST NUMBER: P1244858

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	6.1
10°-20°	18.1	3.4
20°-30°	17.6	3.3
30°-40°	23.1	4.3
40°-50°	30.3	5.6
50°-60°	37.8	7.0
60°-70°	44.4	8.3
70°-80°	48.5	9.0
80°-90°	50.2	9.3
90°-100°	50.3	9.4
100°-110°	47.8	8.9
110°-120°	42.3	7.9
120°-130°	34.8	6.5
130°-140°	26.3	4.9
140°-150°	17.7	3.3
150°-160°	10.4	1.9
160°-170°	4.3	0.8
170°-180°	0.4	0.1
0°-30°	68.5	12.8
0°-40°	91.6	17.1
0°-60°	159.7	29.7
0°-90°	302.8	56.4
90°-120°	140.3	26.1
90°-150°	219.1	40.8
90°-180°	234.0	43.6
0°-180°	537.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	778	
5°	458	33
15°	58	18
25°	38	18
35°	37	23
45°	39	30
55°	42	38
65°	45	44
75°	46	49
85°	46	38
90°	46	25
95°	46	38
105°	45	48
115°	43	42
125°	39	35
135°	34	26
145°	28	18
155°	22	10
165°	15	4
175°	2	0
180°	0	

TEST NUMBER: P1244858

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	778.4
2.5°	853.9
5°	457.8
7.5°	186.3
10°	129.4
12.5°	79.3
15°	57.7
17.5°	48.0
20°	42.3
22.5°	39.4
25°	37.5
27.5°	36.7
30°	36.4
32.5°	36.4
35°	36.7
37.5°	36.9
40°	37.7
42.5°	38.3
45°	39.1
47.5°	39.9
50°	40.4
52.5°	41.3
55°	42.1
57.5°	42.9
60°	43.4
62.5°	44.2
65°	44.8
67.5°	45.3
70°	45.6
72.5°	45.8
75°	46.1
77.5°	45.8
80°	45.8
82.5°	45.8
85°	46.1
87.5°	46.1
90°	46.1
92.5°	46.1
95°	46.1
97.5°	46.1
100°	45.8
102.5°	45.6
105°	45.3
107.5°	44.8
110°	44.2

TEST NUMBER: P1244858

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	43.4
115°	42.6
117.5°	41.8
120°	40.7
122.5°	39.9
125°	38.8
127.5°	37.7
130°	36.4
132.5°	35.3
135°	34.0
137.5°	32.4
140°	31.0
142.5°	29.7
145°	28.0
147.5°	26.7
150°	25.3
152.5°	23.7
155°	22.4
157.5°	20.8
160°	19.1
162.5°	17.3
165°	15.1
167.5°	12.1
170°	8.4
172.5°	5.1
175°	2.2
177.5°	0.5
180°	0.3

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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	4.5	5.5	5.4	6.5	7.6	4.5	5.5	5.4	6.5	7.6
	3H	7.5	8.5	8.4	9.4	10.6	7.5	8.5	8.4	9.4	10.6
	4H	8.9	9.9	9.8	10.8	12.0	8.9	9.9	9.8	10.8	12.0
	6H	10.3	11.2	11.2	12.1	13.3	10.3	11.2	11.2	12.1	13.3
	8H	11.0	11.8	11.9	12.8	14.0	11.0	11.8	11.9	12.8	14.0
	12H	11.7	12.4	12.6	13.4	14.6	11.7	12.4	12.6	13.4	14.6
4H	2H	5.3	6.2	6.2	7.1	8.3	5.3	6.2	6.2	7.1	8.3
	3H	8.5	9.3	9.4	10.2	11.4	8.5	9.3	9.4	10.2	11.4
	4H	10.0	10.8	11.0	11.7	13.0	10.0	10.8	11.0	11.7	13.0
	6H	11.6	12.3	12.5	13.2	14.5	11.6	12.3	12.5	13.2	14.5
	8H	12.4	13.0	13.3	13.9	15.2	12.4	13.0	13.3	13.9	15.2
	12H	13.1	13.7	14.1	14.7	15.9	13.1	13.7	14.1	14.7	15.9
8H	4H	10.6	11.2	11.5	12.1	13.4	10.6	11.2	11.5	12.1	13.4
	6H	12.3	12.8	13.3	13.9	15.1	12.3	12.8	13.3	13.9	15.1
	8H	13.2	13.7	14.2	14.7	16.0	13.2	13.7	14.2	14.7	16.0
	12H	14.1	14.6	15.1	15.6	16.9	14.1	14.6	15.1	15.6	16.9
12H	4H	10.7	11.2	11.6	12.2	13.5	10.7	11.2	11.6	12.2	13.5
	6H	12.5	13.0	13.5	14.0	15.3	12.5	13.0	13.5	14.0	15.3
	8H	13.5	13.9	14.4	14.9	16.2	13.5	13.9	14.4	14.9	16.2

(END OF REPORT)