

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: P1244855

Luminaire Tested: PRLX-MIN-L-940-02L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244855
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-940-02L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

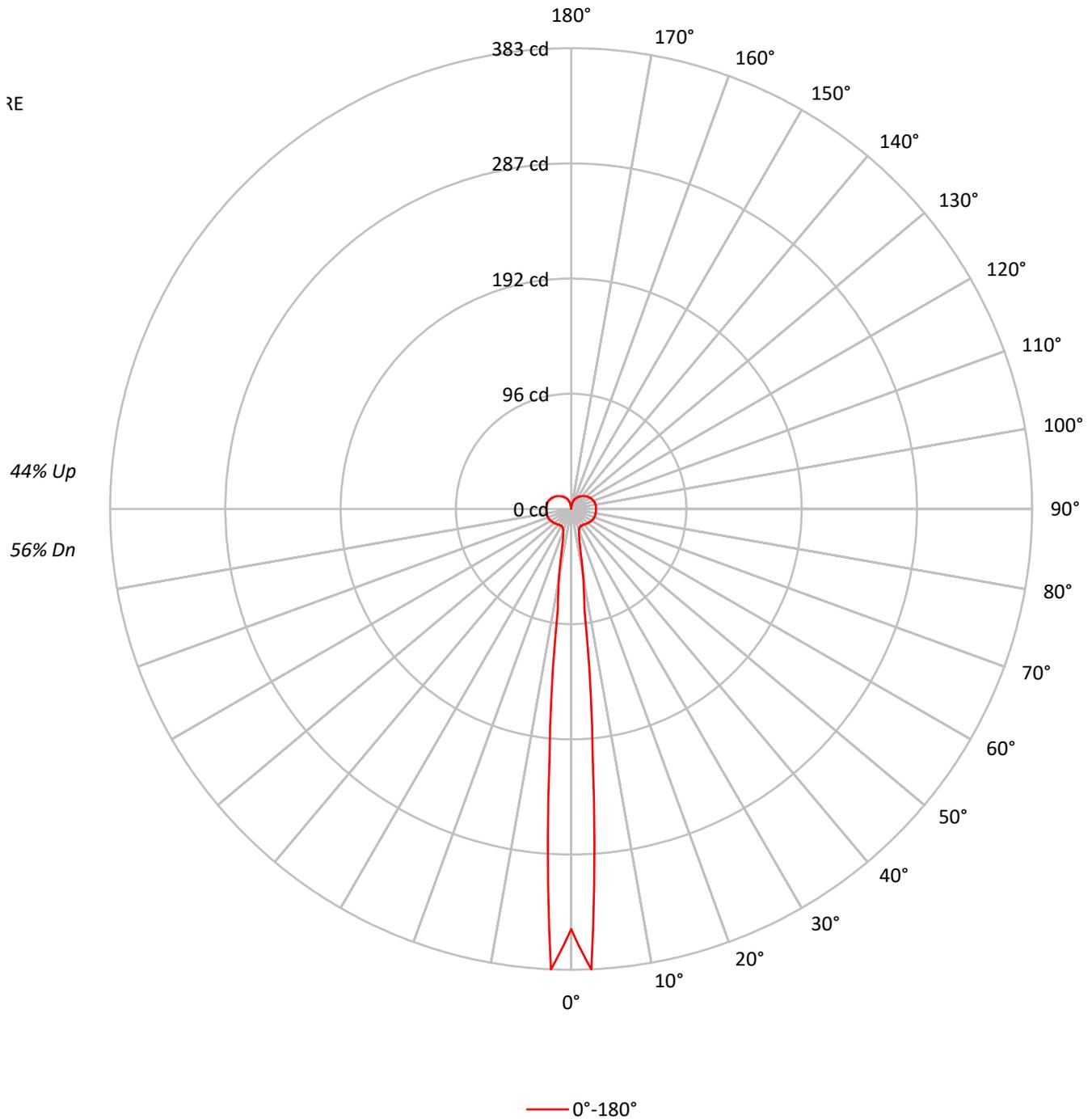
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 241.0 lumens
Efficiency: N/A
Efficacy: 43.0 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): 5.6
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: P1244855
CATALOG NUMBER: PRLX-MIN-L-940-02L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1244855

CATALOG NUMBER: PRLX-MIN-L-940-02L-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	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	36	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°	11051
5°	5069
10°	1182
15°	451
20°	291
25°	232
30°	206
35°	193
40°	186
45°	183
50°	182
55°	183
60°	184
65°	187
70°	188
75°	191
80°	191
85°	195

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 199 cd/sqm



TEST NUMBER: P1244855

CATALOG NUMBER: PRLX-MIN-L-940-02L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	6.1
10°-20°	8.1	3.4
20°-30°	7.9	3.3
30°-40°	10.4	4.3
40°-50°	13.6	5.6
50°-60°	16.9	7.0
60°-70°	19.9	8.3
70°-80°	21.8	9.0
80°-90°	22.5	9.4
90°-100°	22.6	9.4
100°-110°	21.4	8.9
110°-120°	19.0	7.9
120°-130°	15.6	6.5
130°-140°	11.8	4.9
140°-150°	8.0	3.3
150°-160°	4.7	1.9
160°-170°	1.9	0.8
170°-180°	0.2	0.1
0°-30°	30.8	12.8
0°-40°	41.1	17.1
0°-60°	71.7	29.7
0°-90°	135.9	56.4
90°-120°	63.0	26.1
90°-150°	98.3	40.8
90°-180°	105.0	43.6
0°-180°	241.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	349	
5°	206	15
15°	26	8
25°	17	8
35°	16	10
45°	18	14
55°	19	17
65°	20	20
75°	21	22
85°	21	17
90°	21	11
95°	21	17
105°	20	21
115°	19	19
125°	17	16
135°	15	12
145°	13	8
155°	10	5
165°	7	2
175°	1	0
180°	0	

TEST NUMBER: P1244855

CATALOG NUMBER: PRLX-MIN-L-940-02L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	349.3
2.5°	383.2
5°	205.5
7.5°	83.6
10°	58.1
12.5°	35.6
15°	25.9
17.5°	21.5
20°	19.0
22.5°	17.7
25°	16.8
27.5°	16.5
30°	16.3
32.5°	16.3
35°	16.5
37.5°	16.6
40°	16.9
42.5°	17.2
45°	17.5
47.5°	17.9
50°	18.2
52.5°	18.5
55°	18.9
57.5°	19.2
60°	19.5
62.5°	19.8
65°	20.1
67.5°	20.3
70°	20.4
72.5°	20.6
75°	20.7
77.5°	20.6
80°	20.6
82.5°	20.6
85°	20.7
87.5°	20.7
90°	20.7
92.5°	20.7
95°	20.7
97.5°	20.7
100°	20.6
102.5°	20.4
105°	20.3
107.5°	20.1
110°	19.8

TEST NUMBER: P1244855

CATALOG NUMBER: PRLX-MIN-L-940-02L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	19.5
115°	19.1
117.5°	18.8
120°	18.3
122.5°	17.9
125°	17.4
127.5°	16.9
130°	16.3
132.5°	15.9
135°	15.2
137.5°	14.5
140°	13.9
142.5°	13.3
145°	12.6
147.5°	12.0
150°	11.4
152.5°	10.6
155°	10.0
157.5°	9.3
160°	8.6
162.5°	7.7
165°	6.8
167.5°	5.4
170°	3.8
172.5°	2.3
175°	1.0
177.5°	0.2
180°	0.1



TEST NUMBER: P1244855

CATALOG NUMBER: PRLX-MIN-L-940-02L-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	1.7	2.7	2.6	3.7	4.8	1.7	2.7	2.6	3.7	4.8
	3H	4.7	5.7	5.6	6.6	7.8	4.7	5.7	5.6	6.6	7.8
	4H	6.2	7.1	7.1	8.0	9.2	6.2	7.1	7.1	8.0	9.2
	6H	7.6	8.4	8.5	9.3	10.6	7.6	8.4	8.5	9.3	10.6
	8H	8.2	9.0	9.1	10.0	11.2	8.2	9.0	9.1	10.0	11.2
	12H	8.9	9.7	9.8	10.6	11.9	8.9	9.7	9.8	10.6	11.9
4H	2H	2.5	3.4	3.4	4.3	5.5	2.5	3.4	3.4	4.3	5.5
	3H	5.7	6.5	6.6	7.4	8.6	5.7	6.5	6.6	7.4	8.6
	4H	7.3	8.0	8.2	8.9	10.2	7.3	8.0	8.2	8.9	10.2
	6H	8.8	9.5	9.7	10.5	11.7	8.8	9.5	9.7	10.5	11.7
	8H	9.6	10.2	10.5	11.2	12.4	9.6	10.2	10.5	11.2	12.4
	12H	10.3	10.9	11.3	11.9	13.2	10.3	10.9	11.3	11.9	13.2
8H	4H	7.8	8.4	8.7	9.4	10.6	7.8	8.4	8.7	9.4	10.6
	6H	9.5	10.1	10.5	11.1	12.3	9.5	10.1	10.5	11.1	12.3
	8H	10.4	10.9	11.4	11.9	13.2	10.4	10.9	11.4	11.9	13.2
	12H	11.4	11.8	12.3	12.8	14.1	11.4	11.8	12.3	12.8	14.1
12H	4H	7.9	8.4	8.8	9.4	10.7	7.9	8.4	8.8	9.4	10.7
	6H	9.7	10.2	10.7	11.2	12.5	9.7	10.2	10.7	11.2	12.5
	8H	10.7	11.1	11.7	12.1	13.4	10.7	11.1	11.7	12.1	13.4

(END OF REPORT)