

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: P1245193

Luminaire Tested: PRLX-NIM-M-940-03L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-M-940-03L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

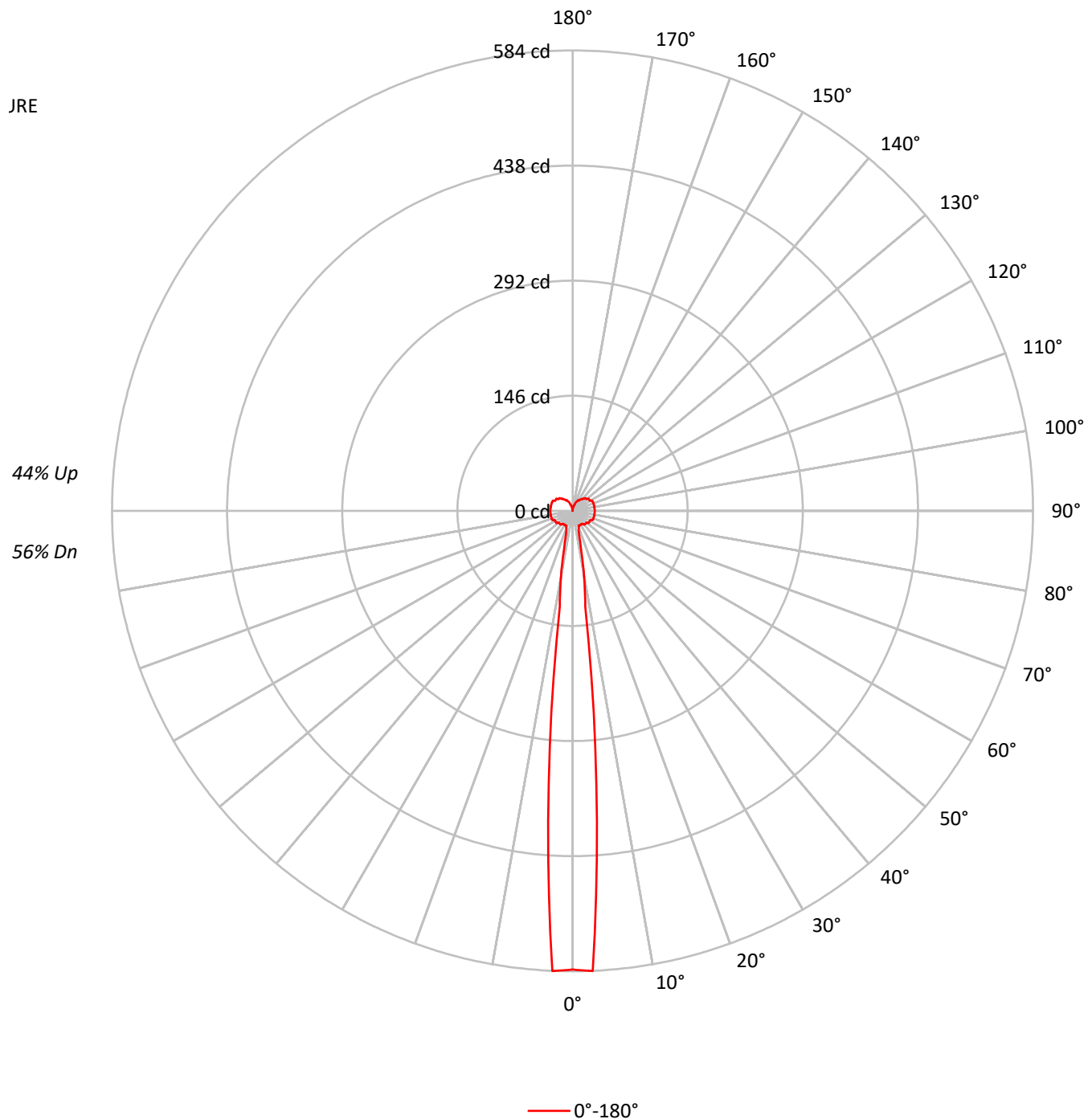
Lumens per Lamp: N/A
Luminaire Lumens: 331.2 lumens
Efficiency: N/A
Efficacy: 29.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 11.1
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

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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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	108	108	108	108	101	101	101	101		86	86	86		73	73	73		61	61	61
1	95	89	83	78	88	82	77	73		70	66	63		58	55	53		48	46	44
2	85	76	68	62	78	70	63	58		60	54	50		50	46	42		40	37	35
3	77	66	58	51	71	61	54	47		52	46	41		43	39	35		35	32	29
4	71	59	50	43	65	54	46	40		46	40	35		39	34	30		32	28	25
5	65	52	43	37	60	49	41	35		42	35	30		35	30	26		29	25	22
6	60	47	39	32	56	44	36	30		38	31	27		32	27	23		27	23	20
7	56	43	35	29	52	40	33	27		35	29	24		30	25	21		25	21	18
8	53	40	32	26	49	37	30	25		32	26	22		28	23	19		23	19	16
9	49	37	29	24	46	34	27	22		30	24	20		26	21	18		22	18	15
10	47	34	27	22	43	32	25	21		28	22	19		24	20	17		21	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	29816
5°	13069
10°	2522
15°	831
20°	497
25°	391
30°	354
35°	325
40°	341
45°	322
50°	306
55°	327
60°	317
65°	342
70°	337
75°	335
80°	335
85°	339

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 344 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	7.0
10°-20°	10.6	3.2
20°-30°	9.6	2.9
30°-40°	13.0	3.9
40°-50°	17.8	5.4
50°-60°	22.6	6.8
60°-70°	26.9	8.1
70°-80°	29.7	9.0
80°-90°	30.7	9.3
90°-100°	30.7	9.3
100°-110°	29.7	9.0
110°-120°	27.6	8.3
120°-130°	22.6	6.8
130°-140°	17.1	5.2
140°-150°	10.9	3.3
150°-160°	6.3	1.9
160°-170°	2.1	0.6
170°-180°	0.2	0.1
0°-30°	43.3	13.1
0°-40°	56.4	17.0
0°-60°	96.8	29.2
0°-90°	184.1	55.6
90°-120°	88.0	26.6
90°-150°	138.6	41.8
90°-180°	147.0	44.4
0°-180°	331.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	582	
5°	347	23
15°	33	11
25°	20	10
35°	20	13
45°	23	18
55°	26	23
65°	28	27
75°	28	30
85°	28	23
90°	28	15
95°	28	23
105°	28	30
115°	28	28
125°	26	23
135°	23	17
145°	18	11
155°	13	6
165°	8	2
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	581.8
2.5°	584.3
5°	347.0
7.5°	122.5
10°	84.2
12.5°	48.5
15°	33.2
17.5°	25.5
20°	23.0
22.5°	20.4
25°	20.4
27.5°	20.4
30°	20.4
32.5°	20.4
35°	20.4
37.5°	20.4
40°	23.0
42.5°	23.0
45°	23.0
47.5°	23.0
50°	23.0
52.5°	25.5
55°	25.5
57.5°	25.5
60°	25.5
62.5°	25.5
65°	28.1
67.5°	28.1
70°	28.1
72.5°	28.1
75°	28.1
77.5°	28.1
80°	28.1
82.5°	28.1
85°	28.1
87.5°	28.1
90°	28.1
92.5°	28.1
95°	28.1
97.5°	28.1
100°	28.1
102.5°	28.1
105°	28.1
107.5°	28.1
110°	28.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	28.1
115°	28.1
117.5°	28.1
120°	25.5
122.5°	25.5
125°	25.5
127.5°	25.5
130°	23.0
132.5°	23.0
135°	23.0
137.5°	20.4
140°	20.4
142.5°	17.9
145°	17.9
147.5°	15.3
150°	15.3
152.5°	15.3
155°	12.8
157.5°	12.8
160°	10.2
162.5°	7.7
165°	7.7
167.5°	5.1
170°	5.1
172.5°	2.6
175°	0.0
177.5°	0.0
180°	0.0

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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	3.5	4.5	4.4	5.4	6.6	3.5	4.5	4.4	5.4	6.6
	3H	6.6	7.6	7.5	8.5	9.7	6.6	7.6	7.5	8.5	9.7
	4H	8.1	9.0	9.0	9.9	11.1	8.1	9.0	9.0	9.9	11.1
	6H	9.5	10.3	10.4	11.3	12.5	9.5	10.3	10.4	11.3	12.5
	8H	10.1	10.9	11.1	11.9	13.1	10.1	10.9	11.1	11.9	13.1
	12H	10.8	11.6	11.7	12.5	13.8	10.8	11.6	11.7	12.5	13.8
4H	2H	4.3	5.3	5.3	6.2	7.4	4.3	5.3	5.3	6.2	7.4
	3H	7.6	8.4	8.5	9.4	10.6	7.6	8.4	8.5	9.4	10.6
	4H	9.2	9.9	10.1	10.9	12.1	9.2	9.9	10.1	10.9	12.1
	6H	10.7	11.4	11.7	12.4	13.6	10.7	11.4	11.7	12.4	13.6
	8H	11.5	12.1	12.4	13.1	14.3	11.5	12.1	12.4	13.1	14.3
	12H	12.2	12.8	13.2	13.8	15.1	12.2	12.8	13.2	13.8	15.1
8H	4H	9.7	10.3	10.6	11.3	12.5	9.7	10.3	10.6	11.3	12.5
	6H	11.4	12.0	12.4	13.0	14.2	11.4	12.0	12.4	13.0	14.2
	8H	12.3	12.8	13.3	13.8	15.1	12.3	12.8	13.3	13.8	15.1
	12H	13.3	13.7	14.3	14.7	16.0	13.3	13.7	14.3	14.7	16.0
12H	4H	9.8	10.4	10.8	11.4	12.6	9.8	10.4	10.8	11.4	12.6
	6H	11.6	12.1	12.6	13.1	14.4	11.6	12.1	12.6	13.1	14.4
	8H	12.6	13.0	13.6	14.0	15.4	12.6	13.0	13.6	14.0	15.4

(END OF REPORT)