

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: P1245105

Luminaire Tested: PRLX-NIM-L-940-09L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-940-09L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

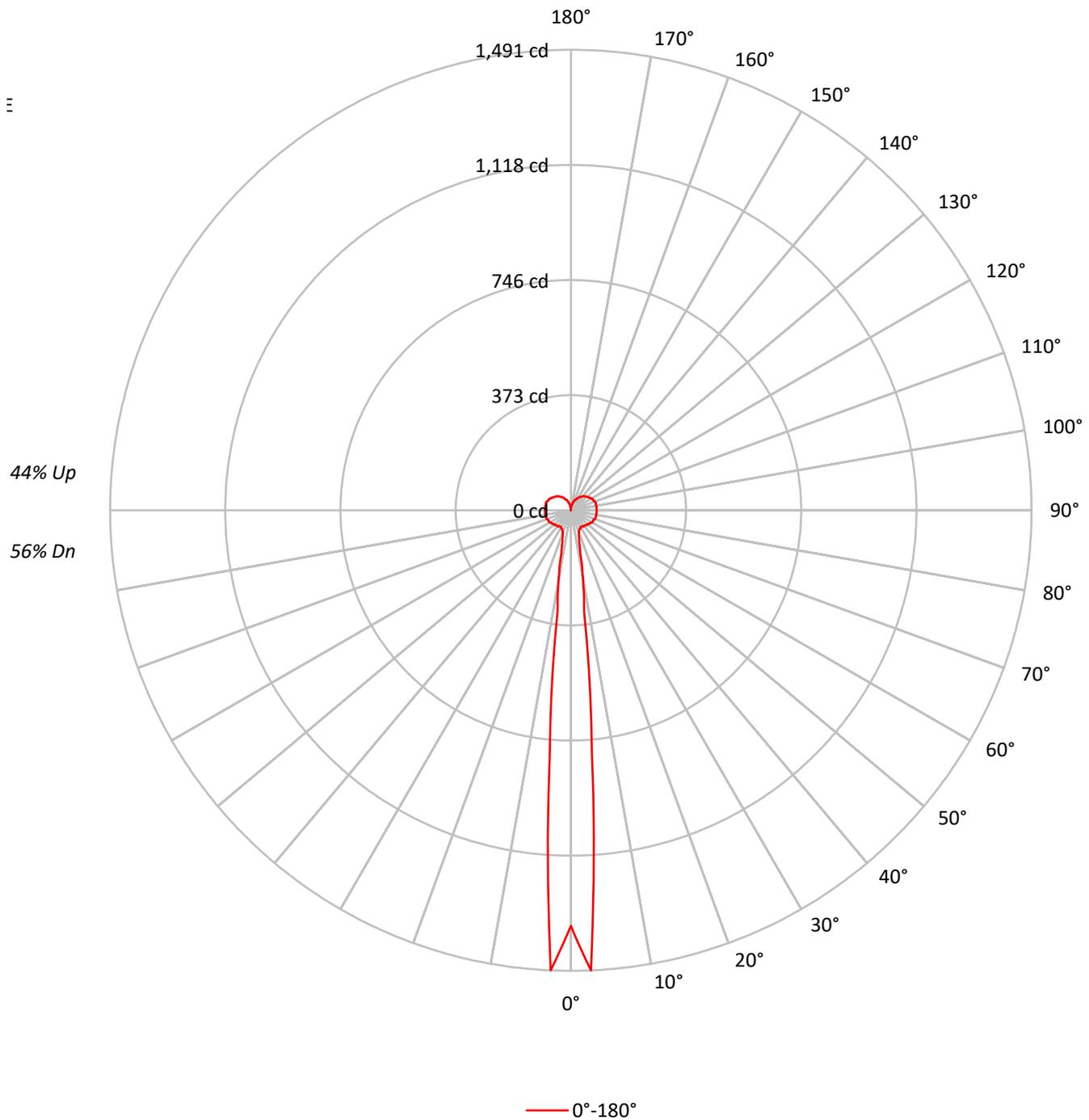
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 971.9 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 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): 22.6
Input Voltage (V): NR
Input Current (A_{in}): 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		
RC	80					70						30								10	0	
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10	0
RCR																						
0	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	56
1	95	89	83	78		87	82	77	73		70	66	62		58	55	53		48	45	43	38
2	85	76	68	61		78	70	63	57		59	54	49		49	45	42		40	37	34	30
3	77	66	57	50		71	61	53	47		52	45	40		43	38	34		35	31	28	24
4	71	58	49	42		65	54	46	40		46	39	34		38	33	29		31	27	24	20
5	65	52	43	36		60	48	40	34		41	35	30		34	29	25		28	24	21	18
6	60	47	38	32		55	44	36	30		37	31	26		31	26	22		26	22	19	16
7	56	43	34	28		51	40	32	27		34	28	23		29	24	20		24	20	17	15
8	52	39	31	25		48	36	29	24		32	25	21		27	22	18		23	19	16	13
9	49	36	28	23		45	34	27	22		29	23	19		25	20	17		21	17	15	12
10	46	33	26	21		43	31	25	20		27	22	18		24	19	16		20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42548
5°	19267
10°	4587
15°	1818
20°	1153
25°	921
30°	791
35°	734
40°	734
45°	697
50°	711
55°	729
60°	751
65°	739
70°	770
75°	770
80°	775
85°	786

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 804 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	5.9
10°-20°	32.4	3.3
20°-30°	31.5	3.2
30°-40°	40.4	4.2
40°-50°	53.0	5.5
50°-60°	66.6	6.9
60°-70°	79.3	8.2
70°-80°	88.3	9.1
80°-90°	91.1	9.4
90°-100°	91.1	9.4
100°-110°	88.3	9.1
110°-120°	78.8	8.1
120°-130°	64.7	6.7
130°-140°	49.4	5.1
140°-150°	33.3	3.4
150°-160°	18.3	1.9
160°-170°	7.3	0.8
170°-180°	0.9	0.1
0°-30°	120.9	12.4
0°-40°	161.3	16.6
0°-60°	281.0	28.9
0°-90°	539.7	55.5
90°-120°	258.3	26.6
90°-150°	405.7	41.7
90°-180°	432.0	44.4
0°-180°	971.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1345	
5°	781	57
15°	104	32
25°	67	32
35°	63	40
45°	67	53
55°	75	67
65°	79	79
75°	84	88
85°	84	68
90°	84	46
95°	84	68
105°	84	88
115°	79	79
125°	71	65
135°	63	49
145°	54	33
155°	38	18
165°	25	7
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1344.9
2.5°	1491.1
5°	781.1
7.5°	330.0
10°	225.5
12.5°	142.0
15°	104.4
17.5°	87.7
20°	75.2
22.5°	71.0
25°	66.8
27.5°	66.8
30°	62.7
32.5°	62.7
35°	62.7
37.5°	66.8
40°	66.8
42.5°	66.8
45°	66.8
47.5°	71.0
50°	71.0
52.5°	71.0
55°	75.2
57.5°	75.2
60°	79.4
62.5°	79.4
65°	79.4
67.5°	79.4
70°	83.5
72.5°	83.5
75°	83.5
77.5°	83.5
80°	83.5
82.5°	83.5
85°	83.5
87.5°	83.5
90°	83.5
92.5°	83.5
95°	83.5
97.5°	83.5
100°	83.5
102.5°	83.5
105°	83.5
107.5°	83.5
110°	83.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	79.4
115°	79.4
117.5°	79.4
120°	75.2
122.5°	75.2
125°	71.0
127.5°	71.0
130°	66.8
132.5°	66.8
135°	62.7
137.5°	62.7
140°	58.5
142.5°	54.3
145°	54.3
147.5°	50.1
150°	45.9
152.5°	41.8
155°	37.6
157.5°	37.6
160°	33.4
162.5°	29.2
165°	25.1
167.5°	20.9
170°	16.7
172.5°	12.5
175°	4.2
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	6.4	7.4	7.2	8.3	9.5	6.4	7.4	7.2	8.3	9.5
	3H	9.4	10.4	10.3	11.3	12.5	9.4	10.4	10.3	11.3	12.5
	4H	10.9	11.8	11.8	12.7	14.0	10.9	11.8	11.8	12.7	14.0
	6H	12.3	13.2	13.3	14.1	15.4	12.3	13.2	13.3	14.1	15.4
	8H	13.0	13.8	13.9	14.8	16.0	13.0	13.8	13.9	14.8	16.0
	12H	13.7	14.5	14.6	15.4	16.7	13.7	14.5	14.6	15.4	16.7
4H	2H	7.1	8.1	8.1	9.0	10.2	7.1	8.1	8.1	9.0	10.2
	3H	10.4	11.2	11.3	12.2	13.4	10.4	11.2	11.3	12.2	13.4
	4H	12.0	12.8	13.0	13.7	15.0	12.0	12.8	13.0	13.7	15.0
	6H	13.6	14.3	14.6	15.3	16.5	13.6	14.3	14.6	15.3	16.5
	8H	14.4	15.0	15.3	16.0	17.3	14.4	15.0	15.3	16.0	17.3
	12H	15.2	15.7	16.1	16.7	18.0	15.2	15.7	16.1	16.7	18.0
8H	4H	12.6	13.2	13.5	14.1	15.4	12.6	13.2	13.5	14.1	15.4
	6H	14.3	14.9	15.3	15.9	17.2	14.3	14.9	15.3	15.9	17.2
	8H	15.3	15.7	16.2	16.7	18.0	15.3	15.7	16.2	16.7	18.0
	12H	16.2	16.6	17.2	17.6	18.9	16.2	16.6	17.2	17.6	18.9
12H	4H	12.7	13.2	13.6	14.2	15.5	12.7	13.2	13.6	14.2	15.5
	6H	14.5	15.0	15.5	16.0	17.3	14.5	15.0	15.5	16.0	17.3
	8H	15.5	16.0	16.5	17.0	18.3	15.5	16.0	16.5	17.0	18.3

(END OF REPORT)