

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: P1245236

Luminaire Tested: PRLX-NIM-S-930-07L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-S-930-07L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

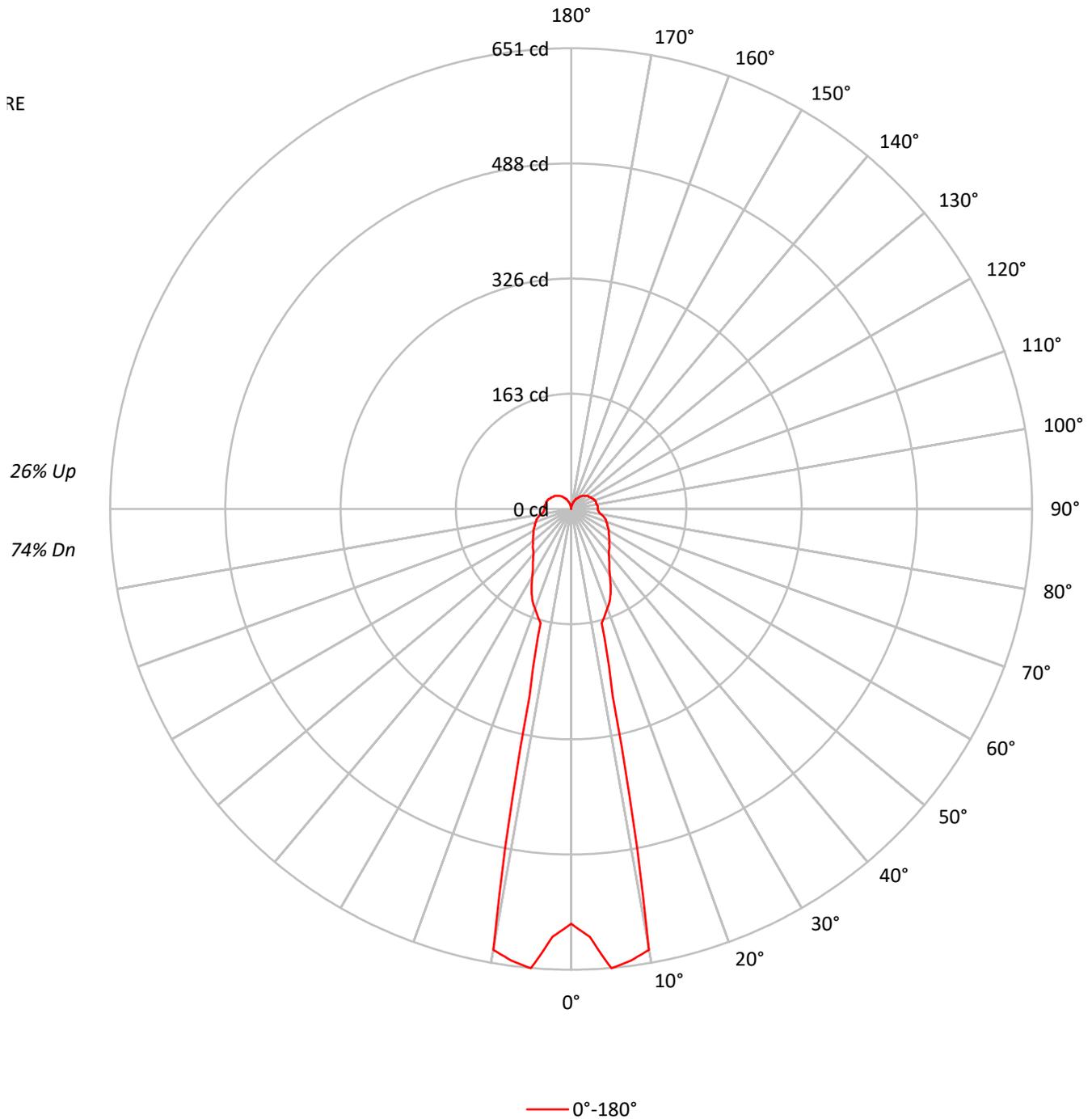
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 696.1 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 16.2
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				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	113	113	113	113	107	107	107	107	96	96	96		87	87	87		78	78	78	74
1	101	96	91	87	96	91	87	83	82	79	76		74	71	69		66	64	62	58
2	92	84	77	71	87	80	73	68	72	67	63		65	61	57		58	55	52	49
3	85	74	66	60	80	71	64	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	64	56	50	58	52	47		52	47	43		47	43	40	37
5	72	60	52	46	69	58	50	44	53	46	41		48	43	39		44	39	36	33
6	68	55	47	41	64	53	45	40	48	42	37		44	39	35		41	36	33	30
7	63	51	43	37	60	49	41	36	45	39	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	36	31		39	33	30		36	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		34	29	26	24
10	53	41	34	29	51	40	33	28	37	31	27		34	29	26		32	28	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	18542
5°	18299
10°	16088
15°	3906
20°	3260
25°	2714
30°	2144
35°	1778
40°	1519
45°	1376
50°	1246
55°	1151
60°	1086
65°	1008
70°	956
75°	910
80°	823
85°	783

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1376 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	8.7
10°-20°	64.4	9.3
20°-30°	60.0	8.6
30°-40°	59.1	8.5
40°-50°	58.9	8.5
50°-60°	58.6	8.4
60°-70°	56.5	8.1
70°-80°	51.4	7.4
80°-90°	42.8	6.2
90°-100°	41.0	5.9
100°-110°	38.3	5.5
110°-120°	33.6	4.8
120°-130°	27.5	3.9
130°-140°	20.5	2.9
140°-150°	13.2	1.9
150°-160°	6.9	1.0
160°-170°	2.4	0.3
170°-180°	0.2	0.0
0°-30°	185.2	26.6
0°-40°	244.3	35.1
0°-60°	361.9	52.0
0°-90°	512.6	73.6
90°-120°	112.9	16.2
90°-150°	174.1	25.0
90°-180°	183.0	26.3
0°-180°	696.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	586	
5°	651	61
15°	167	64
25°	132	60
35°	94	59
45°	77	59
55°	65	59
65°	56	56
75°	49	51
85°	39	32
90°	38	21
95°	38	31
105°	36	38
115°	34	34
125°	30	27
135°	26	20
145°	21	13
155°	15	7
165°	8	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	586.1
2.5°	604.9
5°	651.4
7.5°	643.8
10°	632.5
12.5°	271.1
15°	166.9
17.5°	158.1
20°	149.4
22.5°	141.8
25°	131.8
27.5°	120.5
30°	109.2
32.5°	100.4
35°	94.1
37.5°	87.9
40°	82.8
42.5°	79.1
45°	76.6
47.5°	72.8
50°	70.3
52.5°	67.8
55°	65.3
57.5°	62.8
60°	61.5
62.5°	59.0
65°	56.5
67.5°	55.2
70°	52.7
72.5°	51.5
75°	48.9
77.5°	46.4
80°	42.7
82.5°	40.2
85°	38.9
87.5°	37.7
90°	37.7
92.5°	37.7
95°	37.7
97.5°	37.7
100°	36.4
102.5°	36.4
105°	36.4
107.5°	36.4
110°	35.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	35.1
115°	33.9
117.5°	32.6
120°	32.6
122.5°	31.4
125°	30.1
127.5°	30.1
130°	28.9
132.5°	27.6
135°	26.4
137.5°	25.1
140°	23.8
142.5°	22.6
145°	21.3
147.5°	18.8
150°	17.6
152.5°	16.3
155°	15.1
157.5°	12.6
160°	11.3
162.5°	10.0
165°	7.5
167.5°	6.3
170°	5.0
172.5°	2.5
175°	1.3
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	9.0	10.2	9.8	10.9	11.8	9.0	10.2	9.8	10.9	11.8
	3H	11.3	12.4	12.1	13.1	14.1	11.3	12.4	12.1	13.1	14.1
	4H	12.4	13.4	13.2	14.2	15.1	12.4	13.4	13.2	14.2	15.1
	6H	13.4	14.3	14.1	15.1	16.0	13.4	14.3	14.1	15.1	16.0
	8H	13.8	14.7	14.6	15.5	16.4	13.8	14.7	14.6	15.5	16.4
	12H	14.2	15.1	15.0	15.9	16.8	14.2	15.1	15.0	15.9	16.8
4H	2H	9.6	10.6	10.4	11.4	12.3	9.6	10.6	10.4	11.4	12.3
	3H	12.2	13.0	12.9	13.8	14.7	12.2	13.0	12.9	13.8	14.7
	4H	13.4	14.2	14.2	15.0	15.9	13.4	14.2	14.2	15.0	15.9
	6H	14.5	15.2	15.3	16.0	17.0	14.5	15.2	15.3	16.0	17.0
	8H	15.0	15.7	15.8	16.5	17.5	15.0	15.7	15.8	16.5	17.5
	12H	15.5	16.1	16.3	17.0	18.0	15.5	16.1	16.3	17.0	18.0
8H	4H	13.8	14.4	14.6	15.2	16.2	13.8	14.4	14.6	15.2	16.2
	6H	15.1	15.6	15.9	16.5	17.5	15.1	15.6	15.9	16.5	17.5
	8H	15.7	16.2	16.5	17.1	18.1	15.7	16.2	16.5	17.1	18.1
	12H	16.4	16.8	17.2	17.7	18.7	16.4	16.8	17.2	17.7	18.7
12H	4H	13.8	14.4	14.6	15.3	16.3	13.8	14.4	14.6	15.3	16.3
	6H	15.2	15.7	16.0	16.5	17.6	15.2	15.7	16.0	16.5	17.6
	8H	15.9	16.3	16.7	17.2	18.2	15.9	16.3	16.7	17.2	18.2

(END OF REPORT)