

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: P1245217

Luminaire Tested: PRLX-NIM-S-927-07L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245217
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-927-07L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

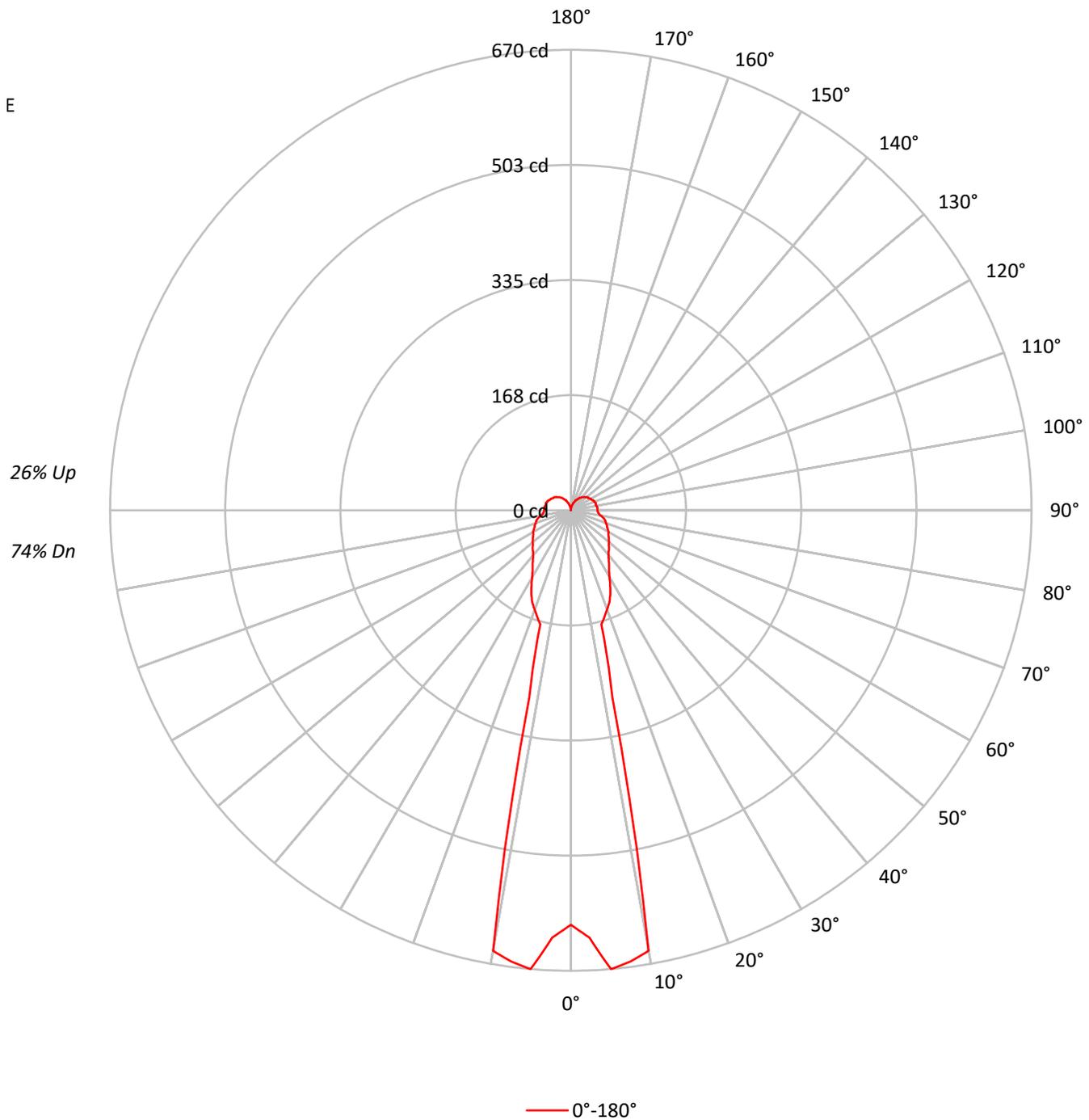
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 715.9 lumens
Efficiency: N/A
Efficacy: 44.2 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°	19077
5°	18825
10°	16551
15°	4018
20°	3352
25°	2792
30°	2204
35°	1829
40°	1563
45°	1415
50°	1281
55°	1183
60°	1118
65°	1036
70°	984
75°	938
80°	846
85°	805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1415 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	8.7
10°-20°	66.3	9.3
20°-30°	61.7	8.6
30°-40°	60.8	8.5
40°-50°	60.6	8.5
50°-60°	60.3	8.4
60°-70°	58.1	8.1
70°-80°	52.9	7.4
80°-90°	44.0	6.1
90°-100°	42.0	5.9
100°-110°	39.4	5.5
110°-120°	34.7	4.8
120°-130°	28.3	3.9
130°-140°	21.0	2.9
140°-150°	13.6	1.9
150°-160°	7.0	1.0
160°-170°	2.4	0.3
170°-180°	0.2	0.0
0°-30°	190.5	26.6
0°-40°	251.3	35.1
0°-60°	372.2	52.0
0°-90°	527.2	73.6
90°-120°	116.1	16.2
90°-150°	179.0	25.0
90°-180°	189.0	26.4
0°-180°	715.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	603	
5°	670	63
15°	172	66
25°	136	62
35°	97	61
45°	79	61
55°	67	60
65°	58	58
75°	50	53
85°	40	33
90°	39	21
95°	39	31
105°	37	39
115°	35	35
125°	31	28
135°	27	21
145°	22	14
155°	16	7
165°	8	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	603.0
2.5°	622.3
5°	670.1
7.5°	662.3
10°	650.7
12.5°	278.9
15°	171.7
17.5°	162.7
20°	153.6
22.5°	145.9
25°	135.6
27.5°	123.9
30°	112.3
32.5°	103.3
35°	96.8
37.5°	90.4
40°	85.2
42.5°	81.3
45°	78.8
47.5°	74.9
50°	72.3
52.5°	69.7
55°	67.1
57.5°	64.6
60°	63.3
62.5°	60.7
65°	58.1
67.5°	56.8
70°	54.2
72.5°	52.9
75°	50.4
77.5°	47.8
80°	43.9
82.5°	41.3
85°	40.0
87.5°	38.7
90°	38.7
92.5°	38.7
95°	38.7
97.5°	38.7
100°	37.4
102.5°	37.4
105°	37.4
107.5°	37.4
110°	36.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	36.2
115°	34.9
117.5°	33.6
120°	33.6
122.5°	32.3
125°	31.0
127.5°	31.0
130°	29.7
132.5°	28.4
135°	27.1
137.5°	25.8
140°	24.5
142.5°	23.2
145°	21.9
147.5°	19.4
150°	18.1
152.5°	16.8
155°	15.5
157.5°	12.9
160°	11.6
162.5°	10.3
165°	7.7
167.5°	6.5
170°	5.2
172.5°	2.6
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	9.1	10.3	9.9	11.0	11.9	9.1	10.3	9.9	11.0	11.9
	3H	11.4	12.5	12.2	13.2	14.2	11.4	12.5	12.2	13.2	14.2
	4H	12.5	13.5	13.3	14.3	15.2	12.5	13.5	13.3	14.3	15.2
	6H	13.5	14.4	14.2	15.2	16.1	13.5	14.4	14.2	15.2	16.1
	8H	13.9	14.8	14.7	15.6	16.5	13.9	14.8	14.7	15.6	16.5
	12H	14.3	15.2	15.1	16.0	16.9	14.3	15.2	15.1	16.0	16.9
4H	2H	9.7	10.7	10.5	11.5	12.4	9.7	10.7	10.5	11.5	12.4
	3H	12.3	13.1	13.0	13.9	14.8	12.3	13.1	13.0	13.9	14.8
	4H	13.5	14.3	14.3	15.1	16.0	13.5	14.3	14.3	15.1	16.0
	6H	14.6	15.3	15.4	16.1	17.1	14.6	15.3	15.4	16.1	17.1
	8H	15.1	15.8	15.9	16.6	17.6	15.1	15.8	15.9	16.6	17.6
	12H	15.6	16.2	16.4	17.1	18.1	15.6	16.2	16.4	17.1	18.1
8H	4H	13.9	14.5	14.7	15.3	16.3	13.9	14.5	14.7	15.3	16.3
	6H	15.2	15.7	16.0	16.6	17.6	15.2	15.7	16.0	16.6	17.6
	8H	15.8	16.3	16.6	17.2	18.2	15.8	16.3	16.6	17.2	18.2
	12H	16.5	16.9	17.3	17.8	18.8	16.5	16.9	17.3	17.8	18.8
12H	4H	13.9	14.5	14.7	15.4	16.4	13.9	14.5	14.7	15.4	16.4
	6H	15.3	15.8	16.1	16.6	17.7	15.3	15.8	16.1	16.6	17.7
	8H	16.0	16.4	16.8	17.3	18.3	16.0	16.4	16.8	17.3	18.3

(END OF REPORT)