

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: P1244990

Luminaire Tested: PRLX-MIN-S-940-07L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-S-940-07L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

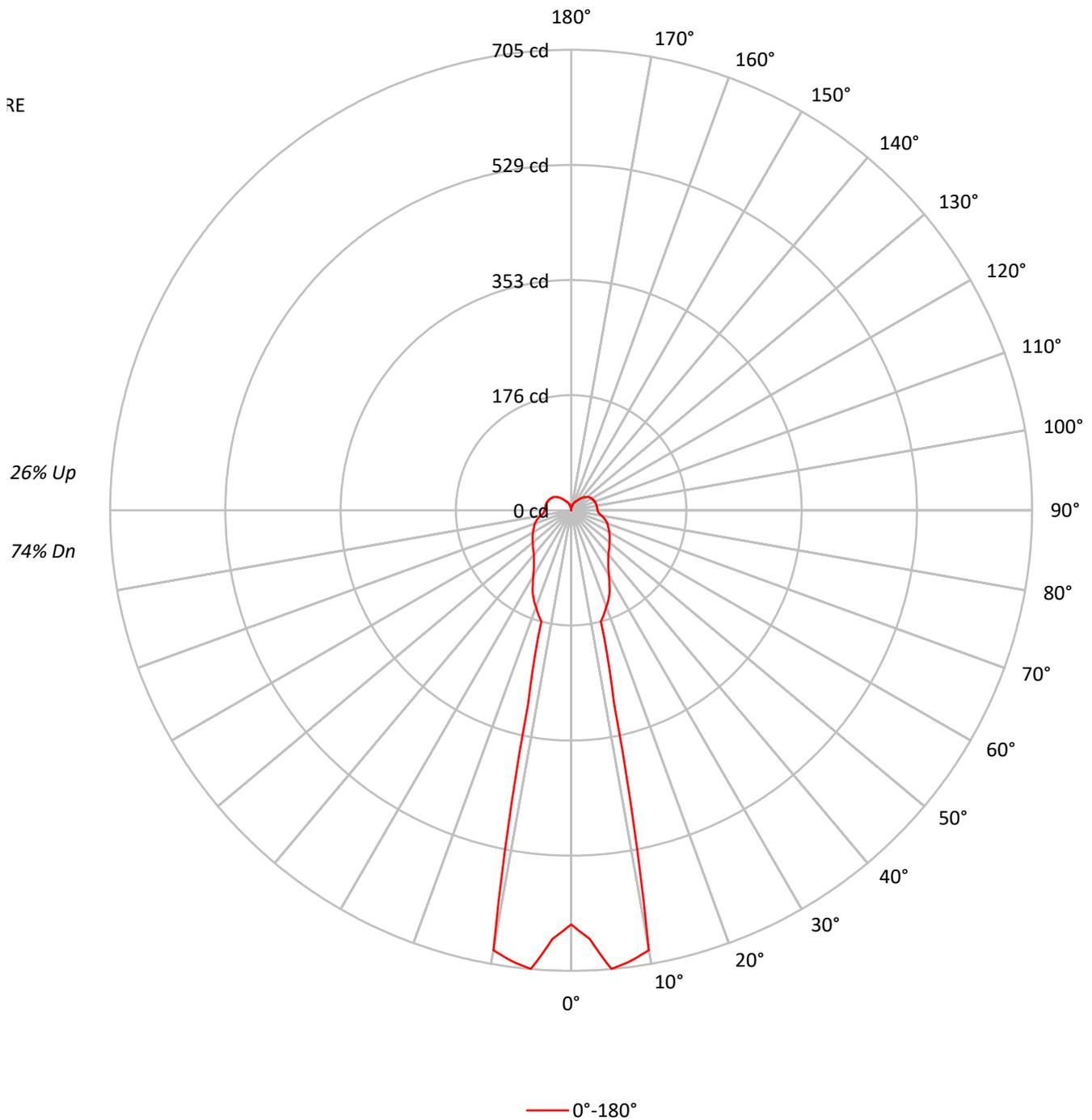
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 751.0 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 16.2
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				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	97	97	97		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	63	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	63	56	50	58	51	46		52	47	43		47	43	40	37
5	72	60	52	46	68	58	50	44	53	46	41		48	43	38		44	39	36	33
6	67	55	47	41	64	53	45	39	48	42	37		44	39	35		40	36	33	30
7	63	51	42	37	60	49	41	36	45	38	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	35	31		38	33	29		35	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		33	29	26	24
10	53	41	34	29	50	39	33	28	37	31	27		34	29	26		32	27	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	17470
5°	17377
10°	15368
15°	3657
20°	3058
25°	2567
30°	2040
35°	1687
40°	1470
45°	1341
50°	1234
55°	1156
60°	1088
65°	1026
70°	980
75°	920
80°	842
85°	785

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1341 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	8.8
10°-20°	69.4	9.2
20°-30°	63.2	8.4
30°-40°	62.5	8.3
40°-50°	63.6	8.5
50°-60°	64.4	8.6
60°-70°	62.4	8.3
70°-80°	56.4	7.5
80°-90°	46.4	6.2
90°-100°	43.6	5.8
100°-110°	41.5	5.5
110°-120°	37.1	4.9
120°-130°	30.7	4.1
130°-140°	22.0	2.9
140°-150°	12.6	1.7
150°-160°	6.6	0.9
160°-170°	2.5	0.3
170°-180°	0.2	0.0
0°-30°	198.3	26.4
0°-40°	260.9	34.7
0°-60°	388.9	51.8
0°-90°	554.2	73.8
90°-120°	122.2	16.3
90°-150°	187.6	25.0
90°-180°	197.0	26.2
0°-180°	751.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	634	
5°	705	66
15°	176	69
25°	139	63
35°	99	63
45°	82	64
55°	72	64
65°	63	62
75°	54	56
85°	42	35
90°	40	22
95°	40	33
105°	39	42
115°	37	37
125°	34	31
135°	28	22
145°	20	13
155°	14	7
165°	9	3
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	634.0
2.5°	657.0
5°	704.7
7.5°	696.1
10°	684.0
12.5°	302.6
15°	176.0
17.5°	166.8
20°	157.1
22.5°	149.0
25°	139.2
27.5°	126.6
30°	115.6
32.5°	105.9
35°	99.0
37.5°	93.2
40°	88.6
42.5°	85.1
45°	82.3
47.5°	79.4
50°	76.5
52.5°	74.2
55°	71.9
57.5°	69.6
60°	67.3
62.5°	65.0
65°	62.7
67.5°	61.0
70°	58.7
72.5°	56.4
75°	53.5
77.5°	50.6
80°	47.2
82.5°	43.7
85°	42.0
87.5°	40.8
90°	40.3
92.5°	40.3
95°	39.7
97.5°	39.7
100°	39.7
102.5°	39.7
105°	39.1
107.5°	39.1
110°	38.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.0
115°	37.4
117.5°	36.8
120°	36.2
122.5°	35.1
125°	34.5
127.5°	33.4
130°	31.6
132.5°	30.5
135°	28.2
137.5°	26.5
140°	24.2
142.5°	21.9
145°	19.6
147.5°	17.8
150°	16.7
152.5°	15.5
155°	13.8
157.5°	12.7
160°	11.5
162.5°	10.4
165°	8.6
167.5°	6.9
170°	4.6
172.5°	2.3
175°	0.6
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	9.2	10.3	9.9	11.1	12.0	9.2	10.3	9.9	11.1	12.0
	3H	11.5	12.5	12.2	13.3	14.2	11.5	12.5	12.2	13.3	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	14.3	15.2	16.2	13.5	14.4	14.3	15.2	16.2
	8H	13.9	14.8	14.7	15.6	16.6	13.9	14.8	14.7	15.6	16.6
	12H	14.3	15.2	15.1	16.0	16.9	14.3	15.2	15.1	16.0	16.9
4H	2H	9.8	10.8	10.5	11.5	12.5	9.8	10.8	10.5	11.5	12.5
	3H	12.3	13.2	13.1	14.0	14.9	12.3	13.2	13.1	14.0	14.9
	4H	13.5	14.3	14.3	15.1	16.1	13.5	14.3	14.3	15.1	16.1
	6H	14.6	15.3	15.4	16.2	17.1	14.6	15.3	15.4	16.2	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	16.5	17.1	18.1	15.6	16.2	16.5	17.1	18.1
8H	4H	13.9	14.6	14.7	15.4	16.4	13.9	14.6	14.7	15.4	16.4
	6H	15.2	15.8	16.0	16.6	17.6	15.2	15.8	16.0	16.6	17.6
	8H	15.8	16.3	16.7	17.2	18.2	15.8	16.3	16.7	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	14.0	14.6	14.8	15.4	16.4	14.0	14.6	14.8	15.4	16.4
	6H	15.3	15.8	16.2	16.7	17.7	15.3	15.8	16.2	16.7	17.7
	8H	16.0	16.5	16.9	17.3	18.4	16.0	16.5	16.9	17.3	18.4

(END OF REPORT)