

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: PORTFOLIO

Report Number: P1319674

Luminaire Tested: LDSQA3D02R309840DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319674
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309840DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

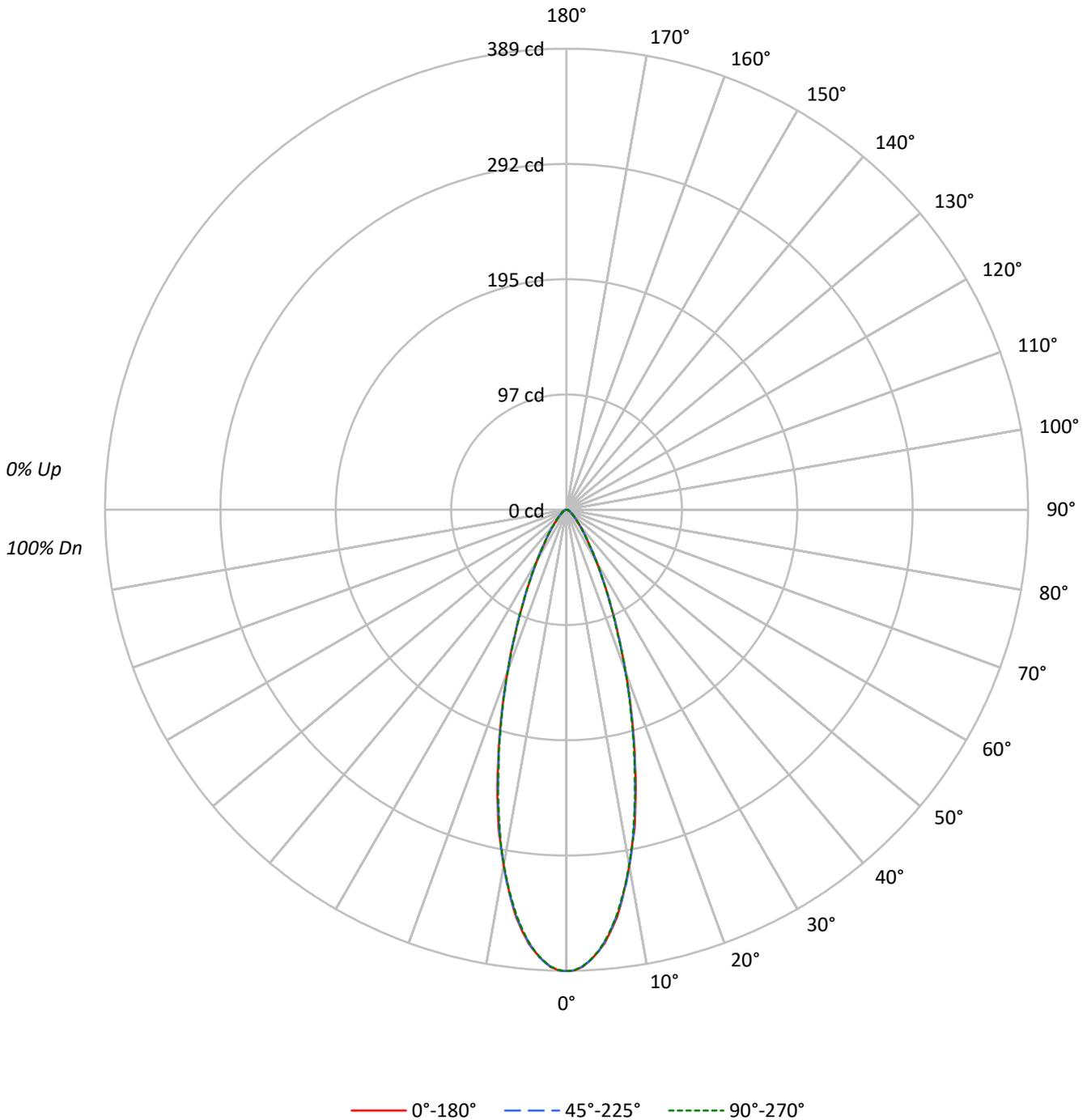
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 171.0 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: 24 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94	94	94	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88	88	88	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83	83	83	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	78	78	78	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74	74	74	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70	70	70	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66	66	66	66
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	65	63	63	63	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61	61	61	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58	58	58	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	67063	67063	67063
5°	63482	63326	63292
10°	53338	53338	53146
15°	39743	39636	39404
20°	26593	26465	26483
25°	16399	16361	16437
30°	9864	9864	9904
35°	6055	6055	6076
40°	3822	3822	3912
45°	2630	2679	2679
50°	1929	1929	1929
55°	1471	1531	1531
60°	1240	1240	1309
65°	1060	1060	1060
70°	957	1057	1057
75°	865	865	865
80°	793	793	793
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	19.3
10°-20°	60.9	35.6
20°-30°	40.5	23.7
30°-40°	18.7	11.0
40°-50°	8.7	5.1
50°-60°	4.7	2.7
60°-70°	2.7	1.6
70°-80°	1.4	0.8
80°-90°	0.3	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	134.5	78.6
0°-40°	153.2	89.6
0°-60°	166.6	97.4
0°-90°	171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	171.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	389	389	389	389	389	
5°	367	366	366	367	366	33
15°	223	224	222	222	221	61
25°	86	86	86	86	86	41
35°	29	29	29	29	29	19
45°	11	11	11	11	11	9
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	389.4	389.4	389.4	389.4	389.4
1°	388.6	388.2	388.6	389.2	388.4
2°	386.0	385.6	385.6	386.3	385.6
3°	380.9	381.2	381.0	381.8	380.5
4°	374.4	374.2	375.0	375.4	374.2
5°	367.2	366.5	366.3	367.2	366.1
6°	357.4	356.8	356.4	357.6	356.1
7°	346.8	346.4	345.9	346.2	345.1
8°	333.7	333.6	333.2	333.6	332.2
9°	319.2	319.2	319.9	319.7	319.0
10°	305.0	305.4	305.0	305.4	303.9
11°	289.1	289.1	289.5	289.3	289.5
12°	275.3	273.8	273.4	273.0	271.9
13°	257.5	256.4	256.0	256.4	255.8
14°	241.2	240.5	238.6	239.0	238.2
15°	222.9	223.6	222.3	222.3	221.0
17.5°	182.2	181.4	181.8	182.0	181.4
20°	145.1	144.7	144.4	144.0	144.5
22.5°	112.8	113.0	112.6	112.2	111.8
25°	86.3	86.1	86.1	86.1	86.5
27.5°	65.5	65.5	65.5	65.7	65.7
30°	49.6	49.2	49.6	49.8	49.8
32.5°	37.1	37.5	37.7	37.7	37.7
35°	28.8	28.6	28.8	28.9	28.9
37.5°	21.9	21.9	22.1	22.1	22.3
40°	17.0	17.0	17.0	17.2	17.4
42.5°	13.4	13.4	13.6	13.6	13.8
45°	10.8	10.8	11.0	11.0	11.0
47.5°	8.7	8.7	8.9	8.9	8.9
50°	7.2	7.2	7.2	7.2	7.2
52.5°	6.1	5.9	6.1	6.1	6.1
55°	4.9	5.1	5.1	5.1	5.1
57.5°	4.2	4.4	4.4	4.4	4.4
60°	3.6	3.6	3.6	3.8	3.8
62.5°	3.0	3.2	3.2	3.2	3.2
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.3	2.3	2.3	2.3	2.5
70°	1.9	1.9	2.1	2.1	2.1
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.3
77.5°	0.9	0.9	1.1	1.1	0.9
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)