

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: P1315801

Luminaire Tested: LDSQA3D17R409735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409735DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

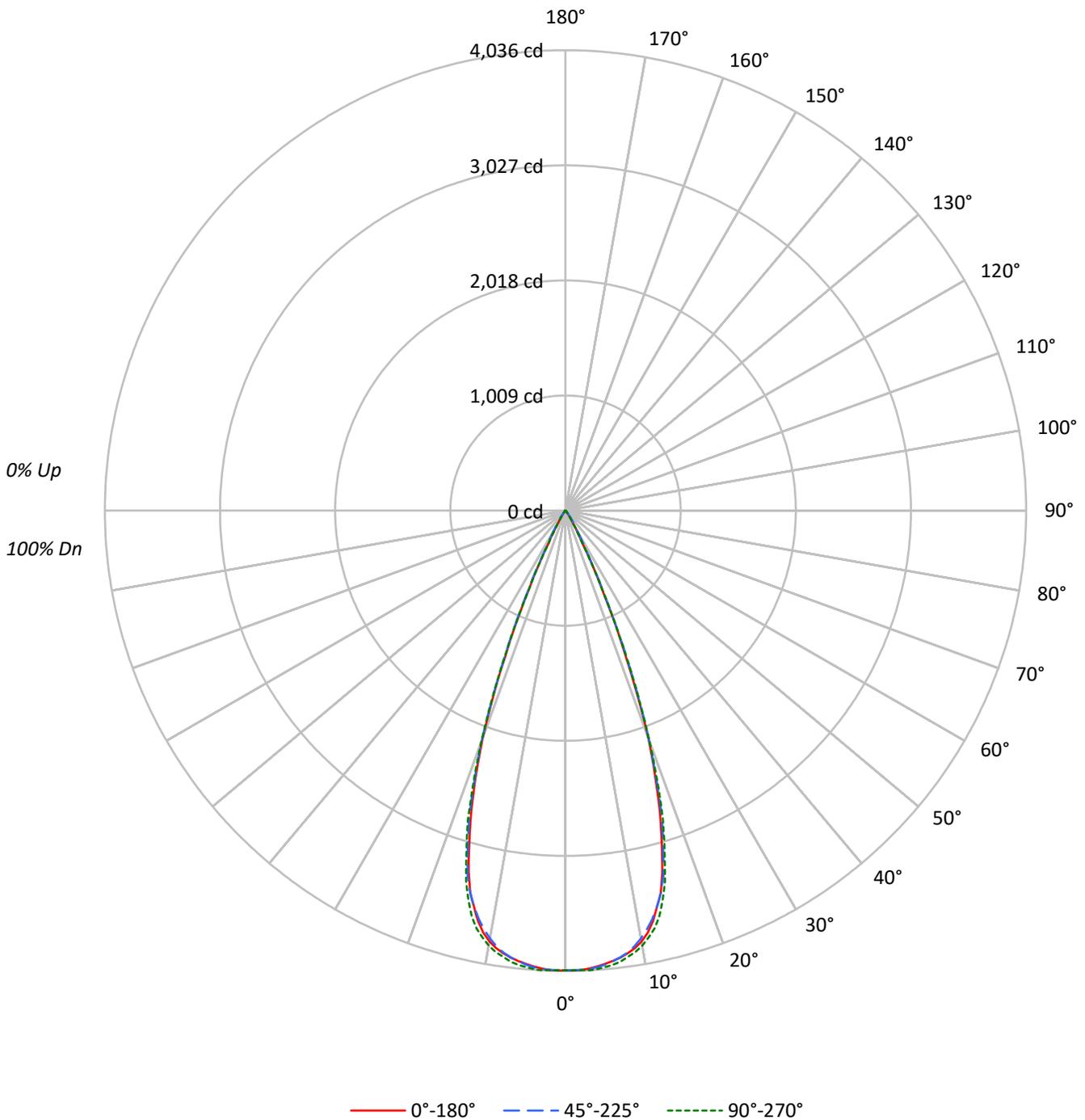
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1706.0 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	694212	694212	694212
5°	689603	690640	694375
10°	670943	665906	677028
15°	584586	590576	599777
20°	389387	391367	395105
25°	141570	145902	142254
30°	30068	40310	30068
35°	10596	17913	10092
40°	3777	5665	3777
45°	877	2338	877
50°	643	965	643
55°	721	721	721
60°	827	827	827
65°	489	978	489
70°	604	604	604
75°	799	799	799
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2338 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.7	22.1
10°-20°	877.8	51.5
20°-30°	395.0	23.2
30°-40°	45.0	2.6
40°-50°	6.4	0.4
50°-60°	2.2	0.1
60°-70°	1.9	0.1
70°-80°	1.1	0.1
80°-90°	0.0	0.0
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°	1649.5	96.7
0°-40°	1694.4	99.3
0°-60°	1703.0	99.8
0°-90°	1706.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1706.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4031	4031	4031	4031	4031	
5°	3989	3984	3995	4013	4016	376
15°	3279	3287	3312	3339	3364	871
25°	745	750	768	768	749	386
35°	50	56	85	54	48	38
45°	4	6	10	6	4	5
55°	2	2	2	2	2	2
65°	1	2	2	2	1	2
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°	4030.9	4030.9	4030.9	4030.9	4030.9
1°	4033.3	4029.7	4028.5	4035.7	4029.7
2°	4029.7	4027.3	4028.5	4035.7	4030.9
3°	4018.9	4020.1	4023.7	4036.9	4035.7
4°	4005.7	4004.5	4011.7	4028.5	4028.5
5°	3988.9	3984.1	3994.9	4012.9	4016.5
6°	3969.7	3963.7	3972.1	3994.9	4003.3
7°	3948.1	3936.2	3943.3	3970.9	3981.7
8°	3919.4	3903.8	3912.2	3939.8	3948.1
9°	3883.4	3859.4	3866.6	3900.2	3917.0
10°	3836.6	3806.6	3807.8	3845.0	3871.4
11°	3770.6	3737.0	3738.2	3785.0	3812.6
12°	3683.0	3653.0	3659.0	3702.2	3746.6
13°	3564.3	3555.9	3563.1	3609.8	3650.6
14°	3449.1	3440.7	3453.9	3497.1	3516.3
15°	3278.7	3287.1	3312.3	3338.7	3363.9
17.5°	2738.9	2771.3	2801.3	2819.2	2840.8
20°	2124.6	2087.4	2135.4	2113.8	2155.8
22.5°	1371.2	1398.8	1410.8	1398.8	1403.6
25°	745.0	749.8	767.8	767.8	748.6
27.5°	316.7	341.9	364.7	356.3	316.7
30°	151.2	174.0	202.7	175.2	151.2
32.5°	85.2	100.8	130.8	98.4	82.8
35°	50.4	56.4	85.2	54.0	48.0
37.5°	30.0	31.2	46.8	32.4	28.8
40°	16.8	20.4	25.2	20.4	16.8
42.5°	8.4	12.0	15.6	12.0	8.4
45°	3.6	6.0	9.6	6.0	3.6
47.5°	3.6	3.6	6.0	3.6	3.6
50°	2.4	2.4	3.6	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	1.2	2.4	2.4	2.4	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)