

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: P1309420

Luminaire Tested: LDSQA3D17R359030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

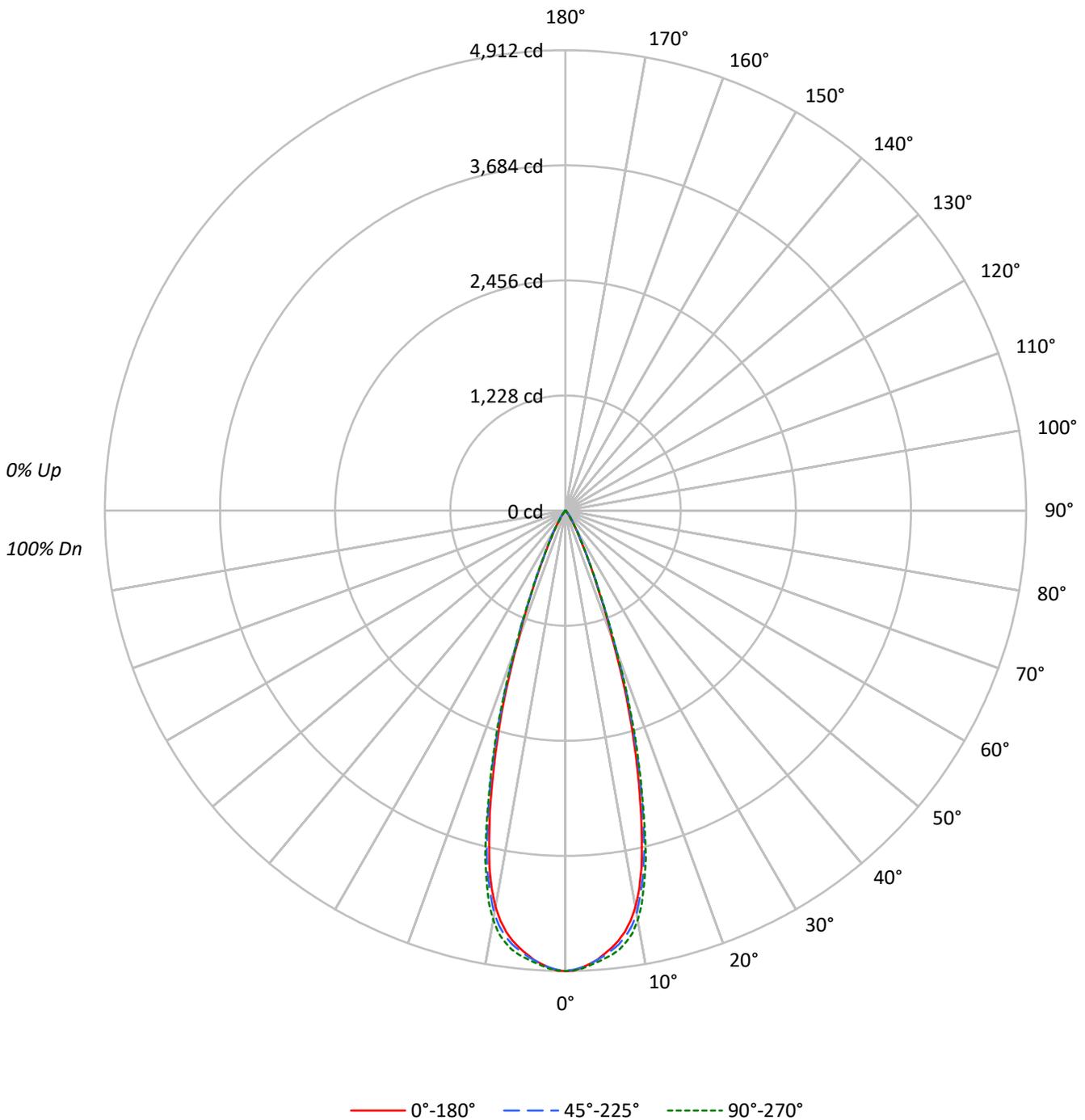
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1650.1 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
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				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	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	845975	845975	845975
5°	820940	823827	829394
10°	750932	763996	775713
15°	539031	558768	564509
20°	271138	286954	287651
25°	102766	105940	106434
30°	41742	47887	40966
35°	15159	23001	14612
40°	6362	9847	6070
45°	1559	4067	1559
50°	1045	1715	1045
55°	1171	1171	1171
60°	1343	1343	1343
65°	1060	1060	1060
70°	655	655	655
75°	865	865	865
80°	1289	1289	1289
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4067 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.1	26.9
10°-20°	827.4	50.1
20°-30°	297.6	18.0
30°-40°	62.5	3.8
40°-50°	10.8	0.7
50°-60°	3.6	0.2
60°-70°	2.6	0.2
70°-80°	1.4	0.1
80°-90°	0.2	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°	1569.1	95.1
0°-40°	1631.6	98.9
0°-60°	1645.9	99.7
0°-90°	1650.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1650.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4912	4912	4912	4912	4912	
5°	4749	4758	4765	4798	4798	440
15°	3023	3076	3134	3167	3166	805
25°	541	548	558	563	560	287
35°	72	85	109	84	70	55
45°	6	10	17	10	6	8
55°	4	4	4	4	4	3
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4912.1	4912.1	4912.1	4912.1	4912.1
1°	4909.5	4909.5	4899.2	4910.8	4906.9
2°	4882.5	4885.0	4878.6	4892.8	4891.5
3°	4845.1	4851.6	4846.4	4867.0	4860.6
4°	4805.2	4810.4	4807.8	4833.5	4831.0
5°	4748.6	4757.6	4765.3	4797.5	4797.5
6°	4690.6	4699.6	4716.4	4751.1	4762.7
7°	4623.7	4635.2	4662.3	4708.6	4716.4
8°	4538.7	4551.6	4588.9	4639.1	4649.4
9°	4433.1	4452.4	4494.9	4555.4	4561.9
10°	4294.0	4309.5	4368.7	4418.9	4435.7
11°	4113.8	4126.7	4179.4	4260.6	4270.9
12°	3894.9	3910.3	3978.6	4031.4	4041.7
13°	3618.1	3647.7	3730.1	3781.6	3809.9
14°	3333.5	3373.4	3432.7	3506.0	3488.0
15°	3023.2	3076.0	3133.9	3167.4	3166.1
17.5°	2262.3	2293.2	2344.7	2364.0	2389.7
20°	1479.4	1519.3	1565.7	1583.7	1569.5
22.5°	918.0	928.3	942.5	950.2	947.7
25°	540.8	548.5	557.5	562.7	560.1
27.5°	325.8	343.8	356.7	341.2	332.2
30°	209.9	217.6	240.8	220.2	206.0
32.5°	124.9	142.9	162.2	137.8	119.7
35°	72.1	85.0	109.4	83.7	69.5
37.5°	46.4	52.8	70.8	51.5	45.1
40°	28.3	36.1	43.8	33.5	27.0
42.5°	14.2	21.9	25.8	19.3	14.2
45°	6.4	10.3	16.7	10.3	6.4
47.5°	3.9	5.2	10.3	5.2	3.9
50°	3.9	3.9	6.4	3.9	3.9
52.5°	3.9	3.9	3.9	3.9	3.9
55°	3.9	3.9	3.9	3.9	3.9
57.5°	3.9	3.9	3.9	3.9	3.9
60°	3.9	3.9	3.9	3.9	3.9
62.5°	2.6	2.6	2.6	2.6	2.6
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.6	2.6	2.6	2.6	2.6
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	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)