

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: P1309198

Luminaire Tested: LDSQA3D13R159030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

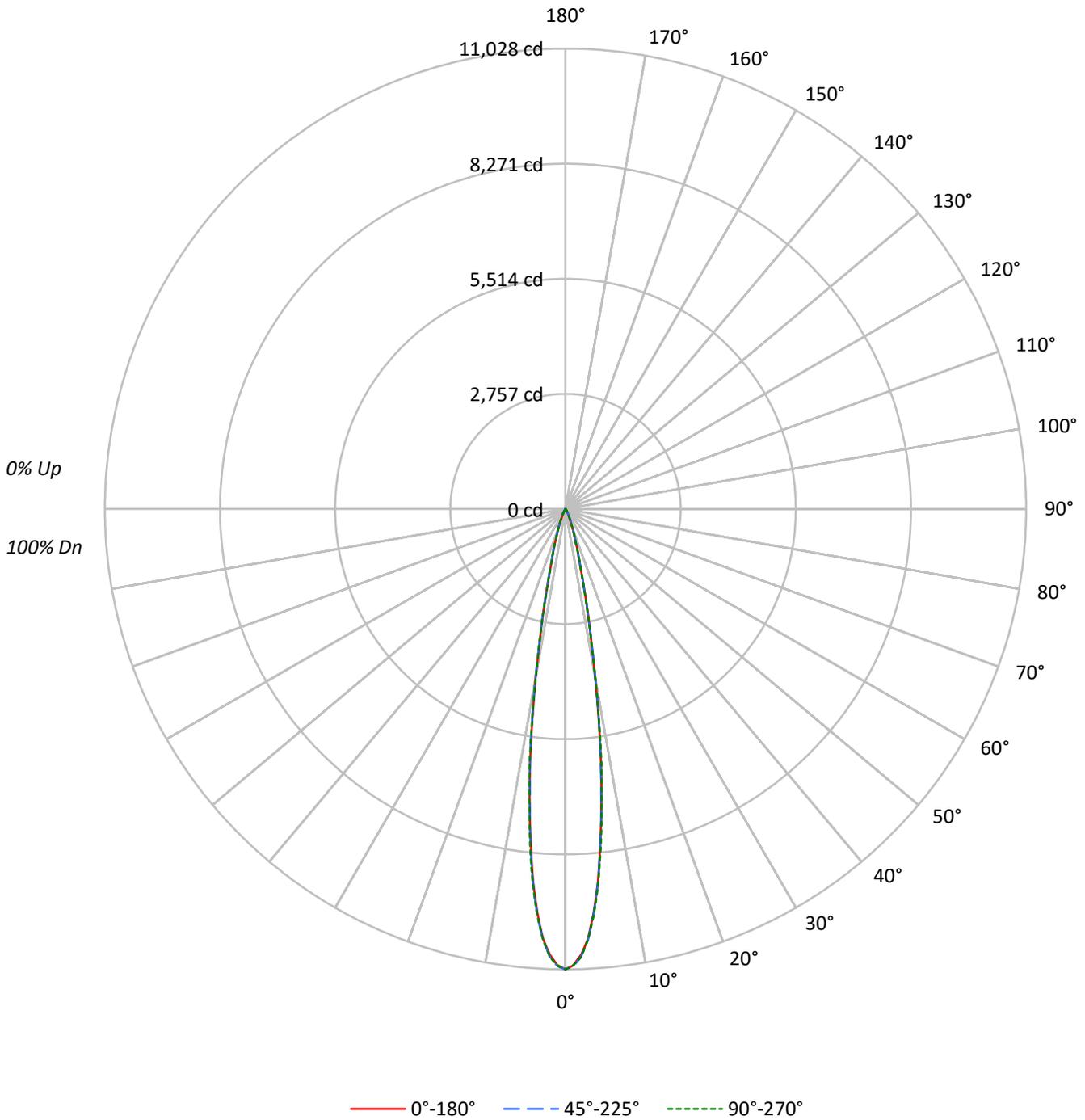
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1238.0 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1899237	1899237	1899237
5°	1544342	1549735	1555112
10°	719227	719909	715991
15°	222534	230504	226171
20°	88724	93709	87642
25°	37131	43782	35288
30°	15074	20105	13921
35°	4899	9188	4499
40°	1754	3710	1754
45°	706	1193	706
50°	509	777	509
55°	570	570	570
60°	654	654	654
65°	408	408	408
70°	504	504	504
75°	665	665	665
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1193 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.3	55.8
10°-20°	412.7	33.3
20°-30°	105.0	8.5
30°-40°	22.8	1.8
40°-50°	3.7	0.3
50°-60°	1.7	0.1
60°-70°	1.1	0.1
70°-80°	0.7	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°	1208.0	97.6
0°-40°	1230.8	99.4
0°-60°	1236.2	99.9
0°-90°	1238.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1238.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11028	11028	11028	11028	11028	
5°	8933	8946	8964	8923	8995	689
15°	1248	1283	1293	1274	1268	411
25°	195	209	230	204	186	99
35°	23	30	44	29	21	18
45°	3	4	5	4	3	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
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°	11027.8	11027.8	11027.8	11027.8	11027.8
1°	10931.6	10950.0	10952.9	10950.0	10934.5
2°	10685.6	10740.1	10728.4	10705.1	10738.1
3°	10305.6	10332.8	10328.9	10330.8	10323.1
4°	9687.4	9735.0	9707.8	9728.2	9730.1
5°	8933.0	8945.7	8964.2	8923.3	8995.3
6°	8004.8	8085.4	8014.5	8084.5	8112.6
7°	7060.9	7107.6	7017.2	7065.8	7094.9
8°	6095.7	6014.0	6063.6	6064.6	6160.8
9°	5053.6	5070.2	5112.0	5064.3	5106.1
10°	4112.7	4150.6	4116.6	4100.1	4094.2
11°	3247.6	3290.4	3287.4	3292.3	3260.2
12°	2612.8	2590.5	2605.1	2557.4	2578.8
13°	2033.5	2034.5	2022.8	2003.4	1985.9
14°	1593.2	1583.5	1610.7	1586.4	1564.0
15°	1248.1	1283.1	1292.8	1274.3	1268.5
17.5°	769.9	770.8	784.4	766.9	765.0
20°	484.1	495.7	511.3	492.8	478.2
22.5°	306.2	316.9	341.2	317.9	297.4
25°	195.4	209.0	230.4	204.1	185.7
27.5°	122.5	135.1	155.5	131.2	117.6
30°	75.8	84.6	101.1	82.6	70.0
32.5°	43.7	52.5	66.1	49.6	41.8
35°	23.3	30.1	43.7	29.2	21.4
37.5°	13.6	17.5	28.2	15.6	12.6
40°	7.8	10.7	16.5	9.7	7.8
42.5°	4.9	6.8	7.8	5.8	3.9
45°	2.9	3.9	4.9	3.9	2.9
47.5°	1.9	2.9	3.9	1.9	1.9
50°	1.9	1.9	2.9	1.9	1.9
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)