

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: P1319038

Luminaire Tested: LDSQA3D09R159835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319038
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: LDSQA3D09R159835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

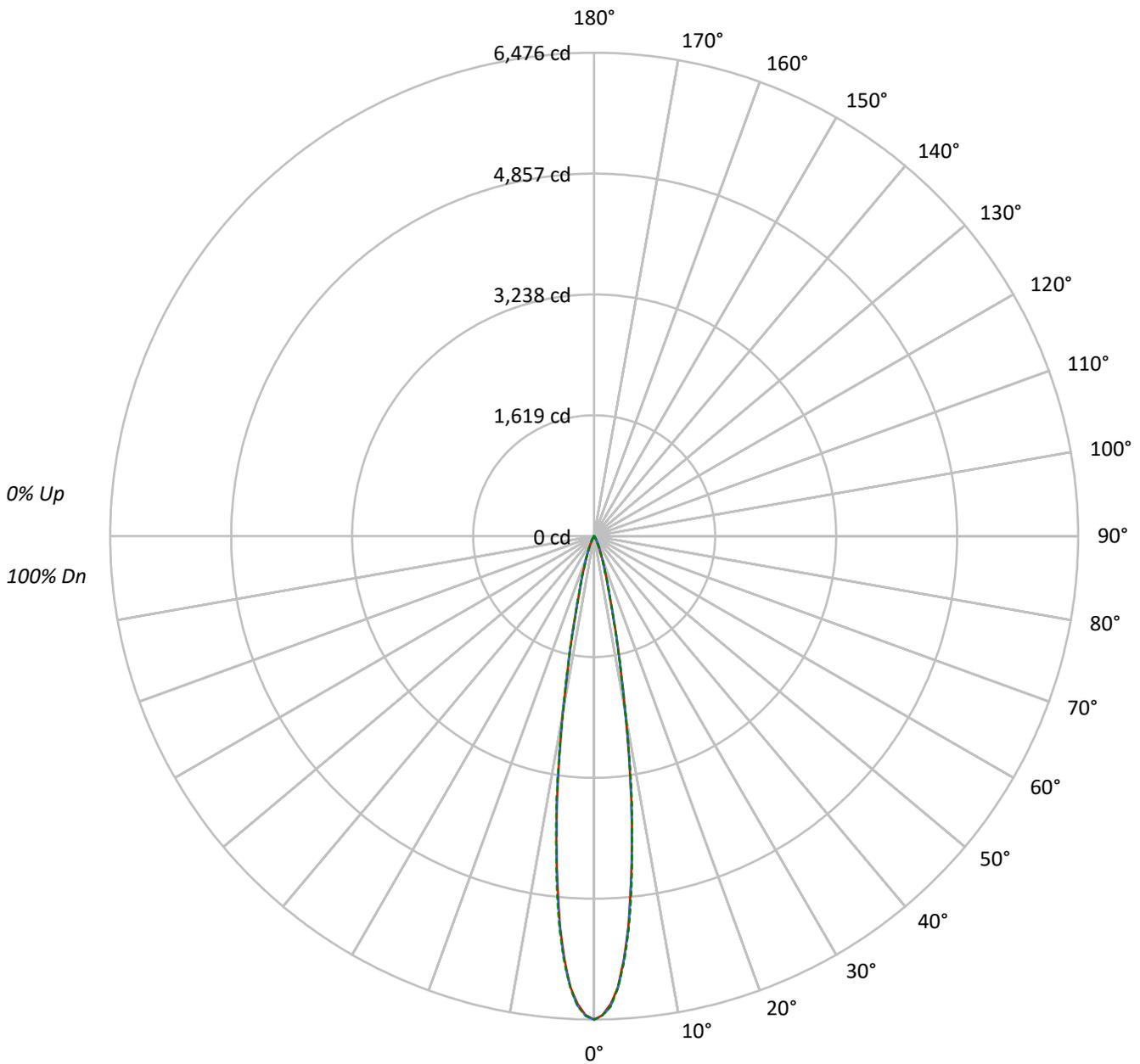
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 727.0 lumens
Efficiency: N/A
Efficacy: 66.1 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): 11
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	97	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°	1115297	1115297	1115297
5°	906897	910060	913224
10°	422351	422754	420463
15°	130675	135364	132814
20°	52105	55038	51464
25°	21796	25711	20713
30°	8850	11813	8173
35°	2880	5403	2649
40°	1034	2181	1034
45°	414	706	414
50°	295	455	295
55°	330	330	330
60°	379	379	379
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 706 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.4	55.8
10°-20°	242.4	33.3
20°-30°	61.7	8.5
30°-40°	13.4	1.8
40°-50°	2.2	0.3
50°-60°	1.0	0.1
60°-70°	0.7	0.1
70°-80°	0.4	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°	709.4	97.6
0°-40°	722.8	99.4
0°-60°	726.0	99.9
0°-90°	727.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	727.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6476	6476	6476	6476	6476	
5°	5246	5253	5264	5240	5282	404
15°	733	754	759	748	745	241
25°	115	123	135	120	109	58
35°	14	18	26	17	13	11
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	0
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°	6475.9	6475.9	6475.9	6475.9	6475.9
1°	6419.4	6430.3	6432.0	6430.3	6421.1
2°	6275.0	6307.0	6300.1	6286.4	6305.8
3°	6051.8	6067.8	6065.5	6066.7	6062.1
4°	5688.8	5716.7	5700.8	5712.8	5713.9
5°	5245.8	5253.2	5264.1	5240.1	5282.4
6°	4700.7	4748.1	4706.4	4747.5	4764.1
7°	4146.4	4173.8	4120.7	4149.3	4166.4
8°	3579.6	3531.7	3560.8	3561.3	3617.8
9°	2967.7	2977.4	3001.9	2974.0	2998.5
10°	2415.1	2437.4	2417.4	2407.7	2404.3
11°	1907.1	1932.2	1930.5	1933.4	1914.5
12°	1534.4	1521.2	1529.8	1501.8	1514.4
13°	1194.2	1194.7	1187.9	1176.5	1166.2
14°	935.6	929.9	945.8	931.6	918.4
15°	732.9	753.5	759.2	748.3	744.9
17.5°	452.1	452.7	460.7	450.4	449.2
20°	284.3	291.1	300.3	289.4	280.8
22.5°	179.8	186.1	200.4	186.7	174.7
25°	114.7	122.7	135.3	119.9	109.0
27.5°	71.9	79.3	91.3	77.1	69.1
30°	44.5	49.7	59.4	48.5	41.1
32.5°	25.7	30.8	38.8	29.1	24.5
35°	13.7	17.7	25.7	17.1	12.6
37.5°	8.0	10.3	16.6	9.1	7.4
40°	4.6	6.3	9.7	5.7	4.6
42.5°	2.9	4.0	4.6	3.4	2.3
45°	1.7	2.3	2.9	2.3	1.7
47.5°	1.1	1.7	2.3	1.1	1.1
50°	1.1	1.1	1.7	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
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)