

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: P1311108

Luminaire Tested: LDSQA3D05R159040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

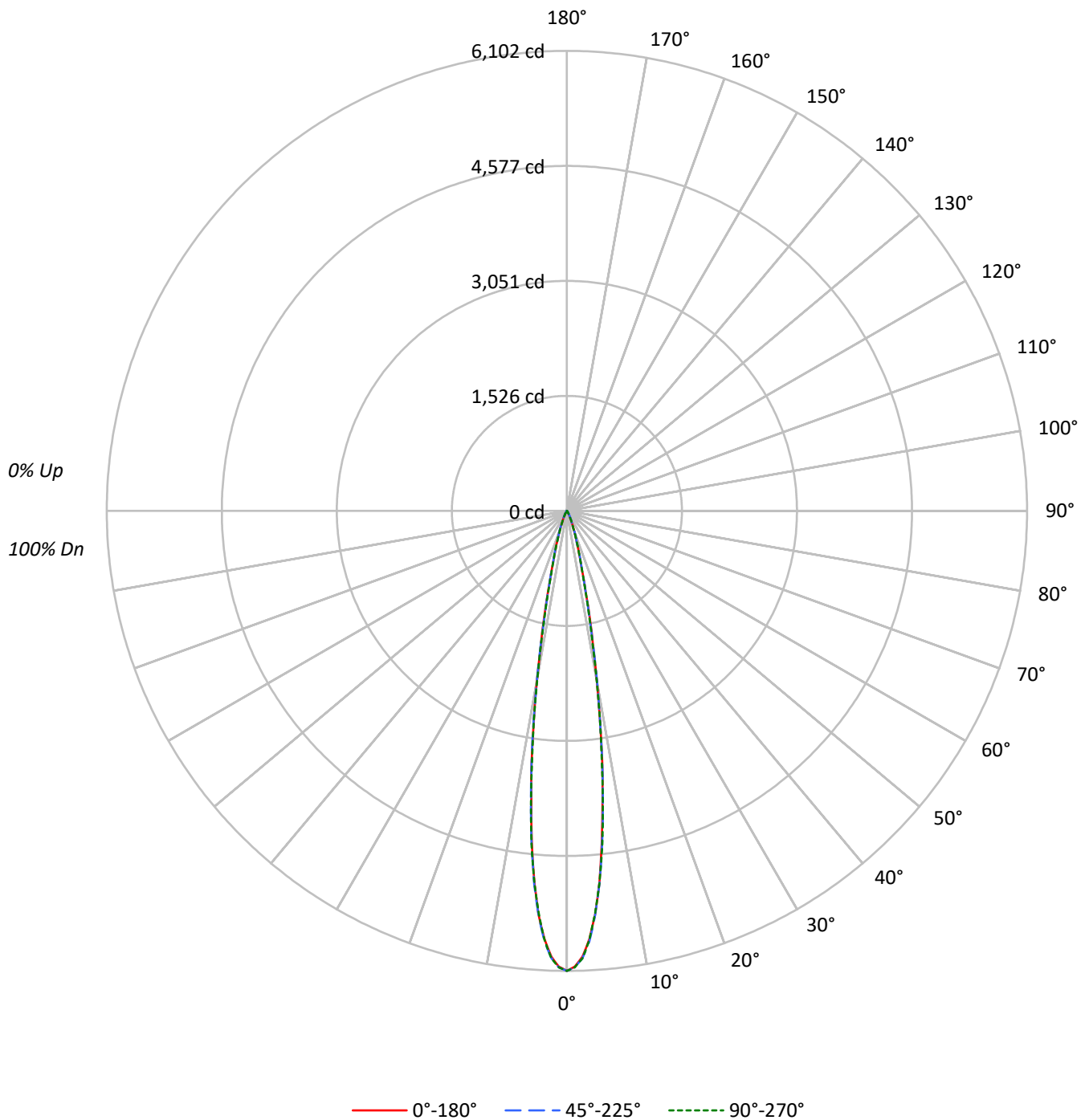
Lumens per Lamp: N/A
Luminaire Lumens: 681.0 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1050851	1050851	1050851
5°	855586	858386	856709
10°	399110	402695	397606
15°	125326	126395	125611
20°	49649	51629	48073
25°	20067	24266	19345
30°	8034	11037	7597
35°	2376	4878	2271
40°	719	1821	607
45°	122	390	122
50°	0	134	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.0	56.1
10°-20°	228.5	33.6
20°-30°	57.6	8.5
30°-40°	11.8	1.7
40°-50°	1.1	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	668.1	98.1
0°-40°	679.9	99.8
0°-60°	681.0	100.0
0°-90°	681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6102	6102	6102	6102	6102	
5°	4949	4940	4965	4953	4956	381
15°	703	709	709	699	704	229
25°	106	115	128	113	102	54
35°	11	15	23	14	11	9
45°	0	1	2	1	0	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6101.7	6101.7	6101.7	6101.7	6101.7
1°	6046.8	6067.3	6056.5	6065.1	6055.4
2°	5915.9	5943.4	5934.8	5932.1	5939.6
3°	5685.4	5717.1	5716.1	5708.0	5695.1
4°	5370.8	5357.9	5377.8	5375.6	5353.6
5°	4949.0	4939.9	4965.2	4952.8	4955.5
6°	4433.0	4472.9	4464.3	4465.3	4475.6
7°	3878.8	3900.3	3918.6	3933.7	3912.7
8°	3369.7	3364.4	3366.0	3383.2	3325.0
9°	2799.9	2833.3	2811.7	2777.2	2799.3
10°	2282.2	2302.7	2302.7	2272.5	2273.6
11°	1819.5	1836.2	1824.4	1831.9	1784.5
12°	1466.7	1425.2	1415.6	1423.1	1422.6
13°	1119.8	1122.5	1119.8	1119.3	1113.9
14°	878.0	892.0	886.1	871.5	865.1
15°	702.9	708.9	708.9	698.6	704.5
17.5°	422.3	429.3	430.9	423.9	423.9
20°	270.9	274.2	281.7	271.5	262.3
22.5°	167.0	174.0	186.9	171.8	164.3
25°	105.6	115.3	127.7	113.1	101.8
27.5°	66.3	74.3	85.1	71.1	64.1
30°	40.4	45.8	55.5	44.7	38.2
32.5°	22.6	26.9	35.0	25.9	21.5
35°	11.3	15.1	23.2	14.5	10.8
37.5°	6.5	8.1	14.5	7.0	5.9
40°	3.2	4.3	8.1	4.3	2.7
42.5°	1.1	2.2	3.2	2.2	1.1
45°	0.5	1.1	1.6	1.1	0.5
47.5°	0.0	0.0	0.5	0.0	0.0
50°	0.0	0.0	0.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)