

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: P1309990

Luminaire Tested: LDSQA3D05R159035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309990
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: LDSQA3D05R159035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

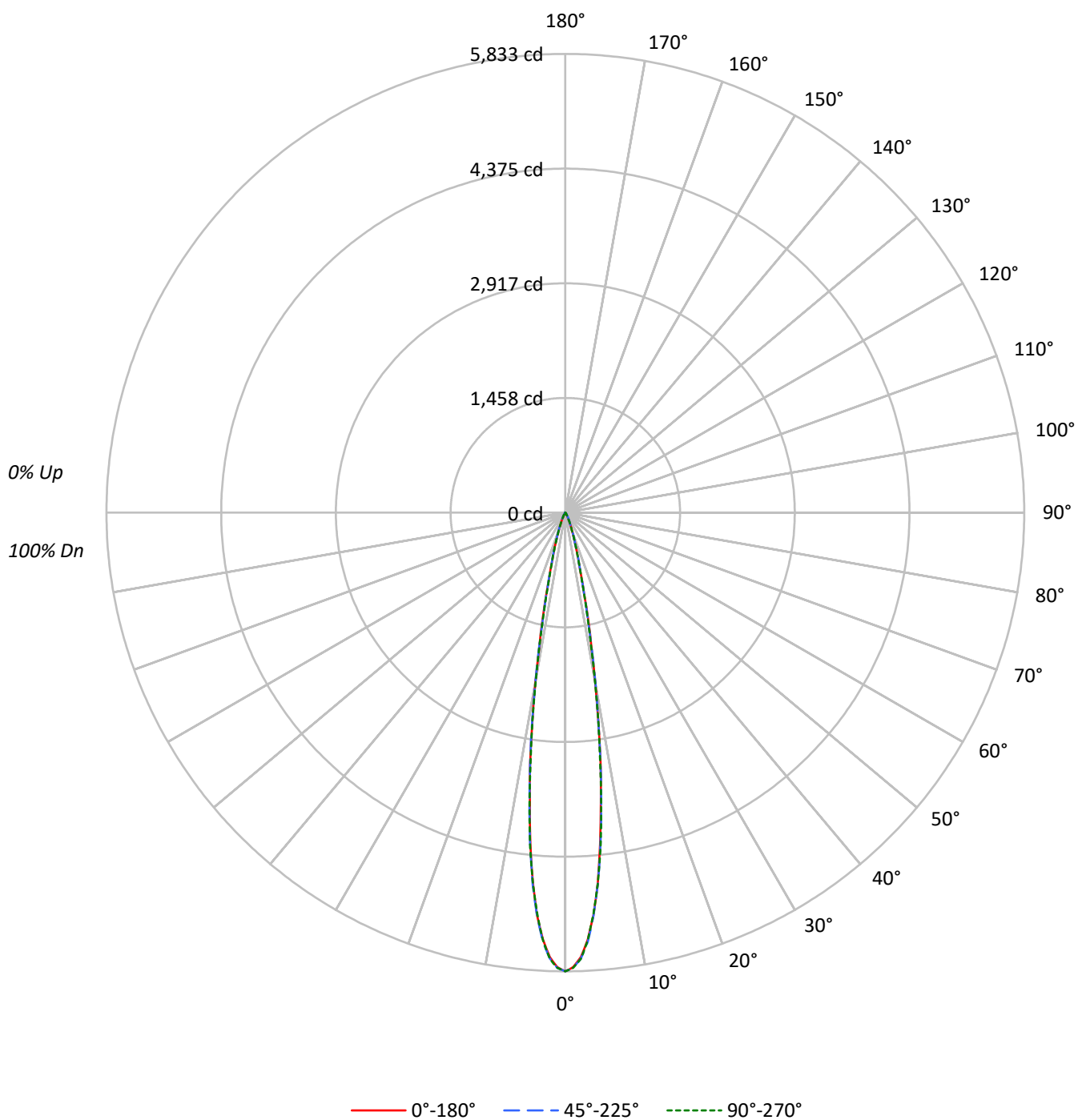
Lumens per Lamp: N/A
Luminaire Lumens: 651.0 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	92	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°	1004557	1004557	1004557
5°	817898	820577	818970
10°	381535	384962	380083
15°	119816	120815	120084
20°	47468	49356	45965
25°	19174	23183	18490
30°	7676	10540	7278
35°	2271	4646	2166
40°	697	1731	585
45°	122	365	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: 365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.2	56.1
10°-20°	218.4	33.6
20°-30°	55.1	8.5
30°-40°	11.2	1.7
40°-50°	1.0	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°	638.7	98.1
0°-40°	649.9	99.8
0°-60°	651.0	100.0
0°-90°	651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	651.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5833	5833	5833	5833	5833	
5°	4731	4722	4746	4735	4737	364
15°	672	678	678	668	674	219
25°	101	110	122	108	97	52
35°	11	14	22	14	10	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°	5832.9	5832.9	5832.9	5832.9	5832.9
1°	5780.4	5800.0	5789.7	5797.9	5788.7
2°	5655.3	5681.6	5673.3	5670.7	5677.9
3°	5434.9	5465.3	5464.3	5456.5	5444.2
4°	5134.2	5121.8	5140.9	5138.8	5117.7
5°	4731.0	4722.3	4746.5	4734.6	4737.2
6°	4237.7	4275.8	4267.6	4268.6	4278.4
7°	3707.9	3728.5	3746.0	3760.4	3740.3
8°	3221.3	3216.1	3217.7	3234.2	3178.6
9°	2676.5	2708.4	2687.8	2654.9	2676.0
10°	2181.7	2201.3	2201.3	2172.4	2173.4
11°	1739.4	1755.3	1744.0	1751.2	1705.9
12°	1402.1	1362.5	1353.2	1360.4	1359.9
13°	1070.5	1073.1	1070.5	1070.0	1064.8
14°	839.3	852.7	847.0	833.1	827.0
15°	672.0	677.6	677.6	667.8	673.5
17.5°	403.7	410.4	411.9	405.2	405.2
20°	259.0	262.1	269.3	259.5	250.8
22.5°	159.6	166.3	178.7	164.3	157.0
25°	100.9	110.2	122.0	108.1	97.3
27.5°	63.3	71.1	81.4	68.0	61.3
30°	38.6	43.8	53.0	42.7	36.6
32.5°	21.6	25.7	33.5	24.7	20.6
35°	10.8	14.4	22.1	13.9	10.3
37.5°	6.2	7.7	13.9	6.7	5.7
40°	3.1	4.1	7.7	4.1	2.6
42.5°	1.0	2.1	3.1	2.1	1.0
45°	0.5	1.0	1.5	1.0	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)