

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: P1312513

Luminaire Tested: LDSQA3D13R159050DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159050DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

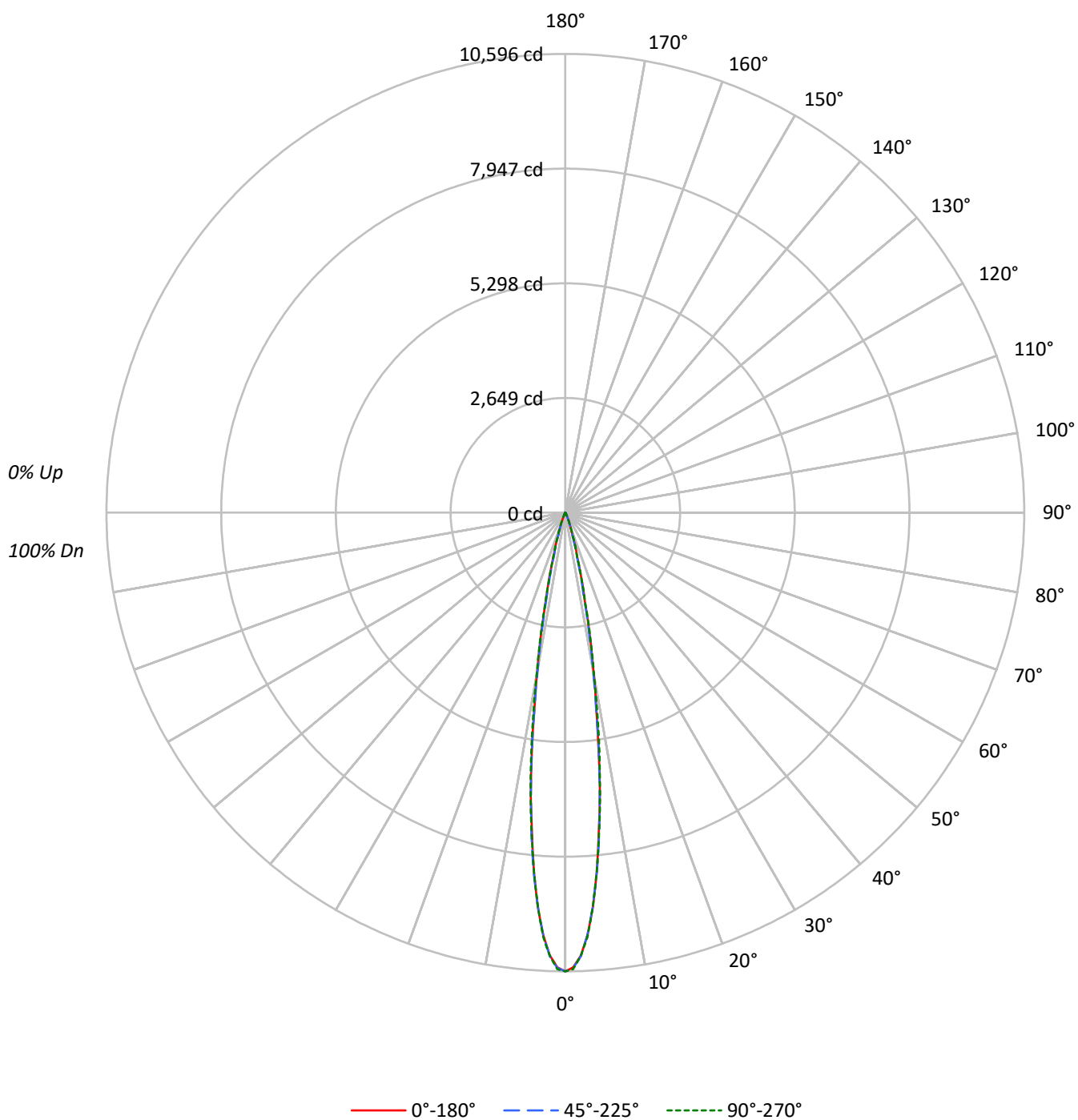
Lumens per Lamp: N/A
Luminaire Lumens: 1061.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1824906	1824906	1824906
5°	1439490	1443345	1438193
10°	658579	641318	672481
15°	195807	174821	191849
20°	58153	56394	61067
25°	16532	21378	19155
30°	5906	6324	5688
35°	2229	1997	1997
40°	944	472	719
45°	511	268	511
50°	295	0	295
55°	330	0	330
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: 0°

Vertical Angle: 47.5°

Luminance: 535 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.2	60.3
10°-20°	355.4	33.5
20°-30°	56.6	5.3
30°-40°	7.4	0.7
40°-50°	1.1	0.1
50°-60°	0.3	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°	1052.2	99.2
0°-40°	1059.6	99.9
0°-60°	1061.0	100.0
0°-90°	1061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1061.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10596	10596	10596	10596	10596	
5°	8326	8396	8349	8313	8319	639
15°	1098	1084	980	1042	1076	362
25°	87	98	112	112	101	53
35°	11	11	10	11	10	8
45°	2	1	1	1	2	2
55°	1	0	0	0	1	1
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10596.2	10596.2	10596.2	10596.2	10596.2	10596.2	10596.2	10596.2	10596.2	10596.2	10596.2
1°	10504.9	10516.6	10531.4	10517.6	10504.9	10516.6	10500.7	10502.8	10490.1	10517.6	10548.4
2°	10237.5	10252.4	10243.9	10224.8	10254.5	10256.6	10223.7	10207.8	10205.7	10233.3	10243.9
3°	9764.3	9798.2	9799.3	9792.9	9783.4	9764.3	9730.3	9752.6	9721.8	9702.7	9810.9
4°	9135.0	9164.7	9199.8	9176.4	9106.4	9112.7	9135.0	9059.7	9063.9	9107.4	9110.6
5°	8326.5	8416.7	8420.9	8388.0	8332.8	8348.8	8332.8	8311.6	8319.0	8346.6	8319.0
6°	7374.7	7476.5	7401.2	7473.3	7457.4	7477.6	7482.9	7460.6	7476.5	7459.5	7454.2
7°	6552.3	6474.8	6485.5	6455.7	6487.6	6508.8	6521.5	6483.3	6514.1	6562.9	6576.7
8°	5532.6	5510.3	5488.0	5541.1	5526.2	5551.7	5567.6	5610.0	5607.9	5622.8	5671.6
9°	4561.7	4594.6	4614.7	4568.0	4608.4	4529.8	4557.4	4671.0	4641.3	4671.0	4758.0
10°	3765.9	3792.4	3762.7	3761.6	3719.2	3667.2	3664.0	3706.4	3795.6	3865.6	3845.4
12.5°	2077.6	2101.0	2104.2	2102.0	2025.6	1939.7	1955.6	1989.6	2044.7	2068.1	2106.3
15°	1098.2	1097.2	1108.9	1076.0	1035.6	980.5	984.7	1031.4	1072.8	1083.4	1076.0
17.5°	563.4	565.6	574.1	565.6	523.1	528.4	540.1	545.4	569.8	579.4	574.1
20°	317.3	318.3	317.3	320.5	303.5	307.7	322.6	323.6	328.9	334.2	333.2
22.5°	181.4	182.5	188.9	186.8	182.5	187.8	191.0	196.3	198.4	196.3	202.7
25°	87.0	88.1	88.1	100.8	107.2	112.5	114.6	112.5	110.4	101.9	100.8
27.5°	49.9	49.9	52.0	53.1	55.2	64.7	63.7	53.1	44.6	44.6	45.6
30°	29.7	28.6	28.6	29.7	30.8	31.8	29.7	28.6	28.6	29.7	28.6
32.5°	18.0	18.0	18.0	17.0	17.0	15.9	15.9	18.0	18.0	18.0	18.0
35°	10.6	10.6	10.6	10.6	9.5	9.5	9.5	10.6	10.6	9.5	9.5
37.5°	6.4	6.4	6.4	5.3	5.3	4.2	5.3	5.3	5.3	5.3	5.3
40°	4.2	4.2	3.2	3.2	2.1	2.1	2.1	3.2	3.2	3.2	3.2
42.5°	3.2	3.2	2.1	2.1	1.1	1.1	1.1	2.1	2.1	2.1	2.1
45°	2.1	2.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1
47.5°	2.1	2.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1	1.1
50°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
52.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
55°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)