

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: P1320206

Luminaire Tested: LDSQA3D17R159840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320206
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: LDSQA3D17R159840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

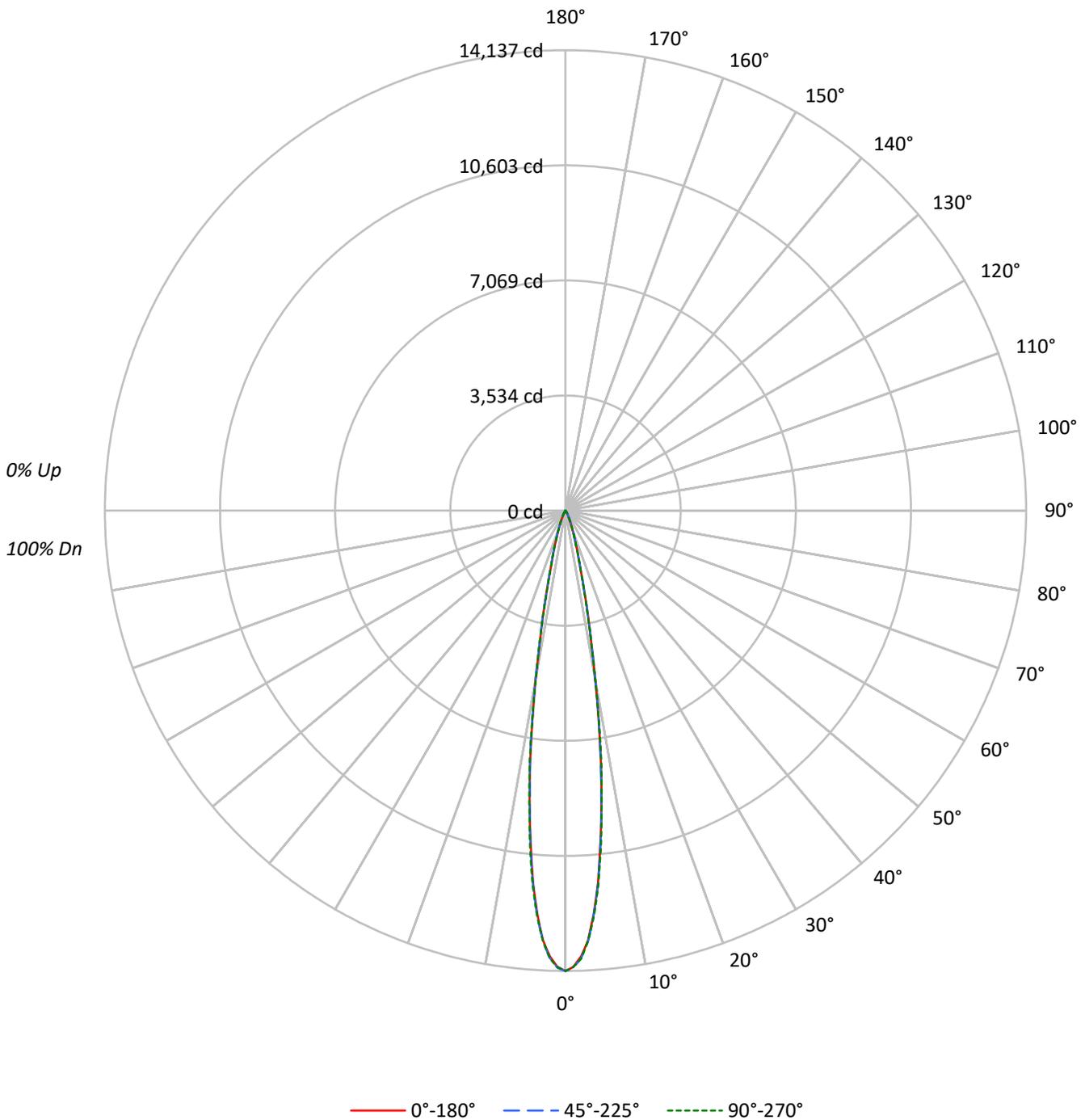
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1586.9 lumens
Efficiency: N/A
Efficacy: 77.8 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): 20.4
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				
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	98	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°	2434643	2434643	2434643
5°	1979707	1986604	1993502
10°	921982	922856	917837
15°	285259	295493	289930
20°	113722	120119	112366
25°	47602	56115	45226
30°	19330	25773	17838
35°	6286	11795	5761
40°	2248	4766	2248
45°	901	1510	901
50°	670	991	670
55°	751	751	751
60°	861	861	861
65°	489	489	489
70°	604	604	604
75°	799	799	799
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1510 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	884.9	55.8
10°-20°	529.1	33.3
20°-30°	134.6	8.5
30°-40°	29.2	1.8
40°-50°	4.7	0.3
50°-60°	2.3	0.1
60°-70°	1.3	0.1
70°-80°	0.8	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°	1548.6	97.6
0°-40°	1577.8	99.4
0°-60°	1584.8	99.9
0°-90°	1586.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1586.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14137	14137	14137	14137	14137	
5°	11451	11468	11491	11439	11531	883
15°	1600	1645	1657	1634	1626	527
25°	250	268	295	262	238	127
35°	30	39	56	37	27	24
45°	4	5	6	5	4	4
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°	14136.6	14136.6	14136.6	14136.6	14136.6
1°	14013.2	14036.9	14040.7	14036.9	14017.0
2°	13698.0	13767.8	13752.8	13722.9	13765.3
3°	13210.8	13245.7	13240.7	13243.2	13233.2
4°	12418.3	12479.3	12444.4	12470.6	12473.1
5°	11451.3	11467.5	11491.2	11438.9	11531.1
6°	10261.3	10364.8	10273.8	10363.5	10399.7
7°	9051.4	9111.2	8995.3	9057.6	9095.0
8°	7814.1	7709.4	7773.0	7774.2	7897.6
9°	6478.3	6499.5	6553.1	6492.0	6545.6
10°	5272.1	5320.7	5277.1	5255.9	5248.4
11°	4163.1	4217.9	4214.2	4220.4	4179.3
12°	3349.4	3320.8	3339.5	3278.4	3305.8
13°	2606.8	2608.0	2593.1	2568.1	2545.7
14°	2042.3	2029.8	2064.7	2033.6	2004.9
15°	1599.9	1644.8	1657.3	1633.6	1626.1
17.5°	986.9	988.1	1005.6	983.1	980.7
20°	620.5	635.5	655.4	631.8	613.1
22.5°	392.5	406.2	437.4	407.5	381.3
25°	250.5	267.9	295.3	261.7	238.0
27.5°	157.0	173.2	199.4	168.2	150.8
30°	97.2	108.4	129.6	105.9	89.7
32.5°	56.1	67.3	84.7	63.5	53.6
35°	29.9	38.6	56.1	37.4	27.4
37.5°	17.4	22.4	36.1	19.9	16.2
40°	10.0	13.7	21.2	12.5	10.0
42.5°	6.2	8.7	10.0	7.5	5.0
45°	3.7	5.0	6.2	5.0	3.7
47.5°	2.5	3.7	5.0	2.5	2.5
50°	2.5	2.5	3.7	2.5	2.5
52.5°	2.5	2.5	2.5	2.5	2.5
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	2.5	2.5	2.5
60°	2.5	2.5	2.5	2.5	2.5
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
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)