

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: P1311590

Luminaire Tested: LDSQA3D17R159040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311590
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: LDSQA3D17R159040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

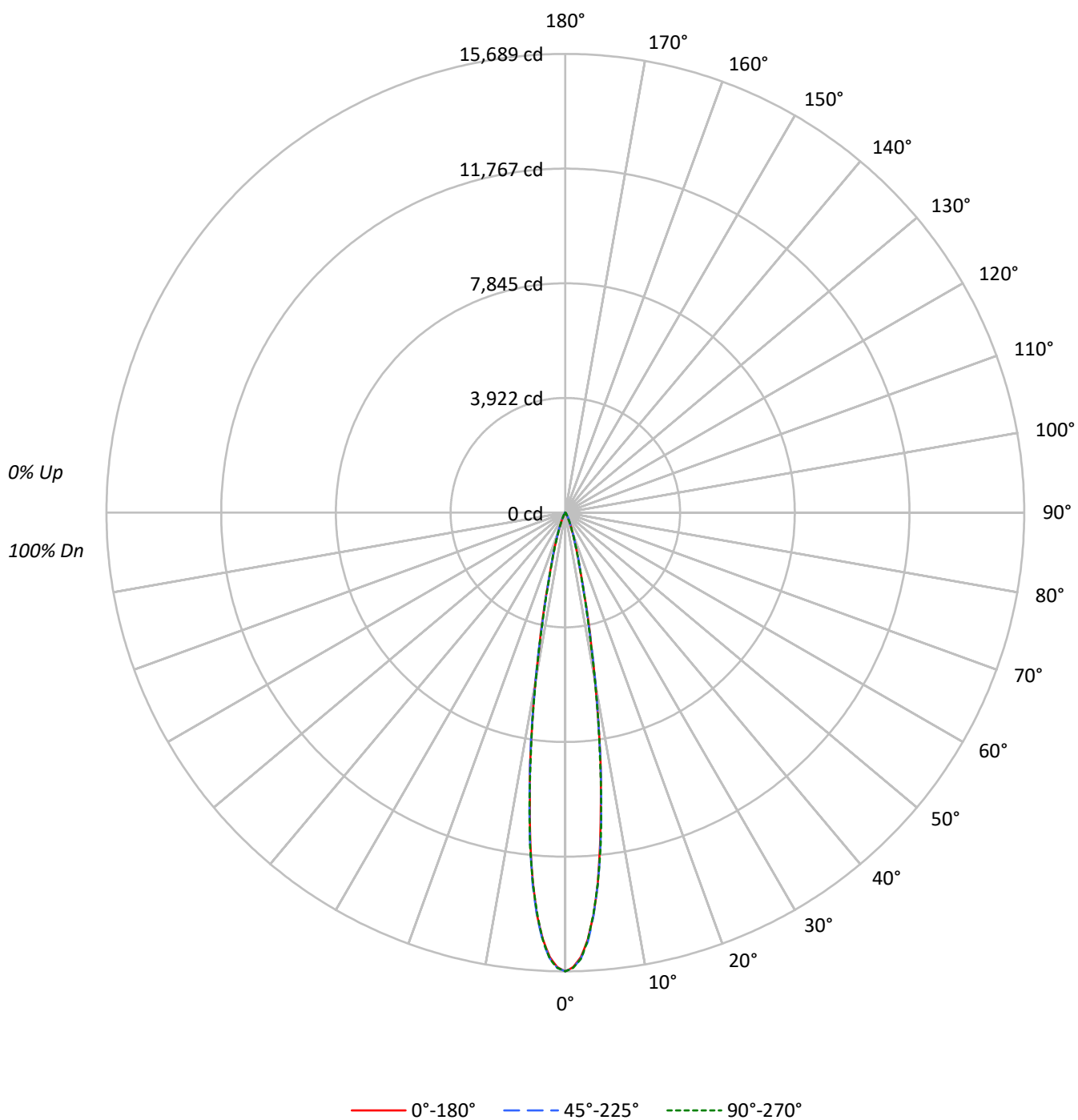
Lumens per Lamp: N/A
Luminaire Lumens: 1751.0 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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°	2701984	2701984	2701984
5°	2199922	2207096	2202792
10°	1026210	1035409	1022328
15°	322256	324966	322987
20°	127670	132746	123619
25°	51592	62367	49749
30°	20662	28378	19548
35°	6118	12531	5824
40°	1866	4676	1551
45°	341	1023	341
50°	0	375	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: 1023 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	982.3	56.1
10°-20°	587.5	33.6
20°-30°	148.1	8.5
30°-40°	30.3	1.7
40°-50°	2.8	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°	1717.9	98.1
0°-40°	1748.2	99.8
0°-60°	1751.0	100.0
0°-90°	1751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1751.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15689	15689	15689	15689	15689	
5°	12725	12702	12767	12735	12742	979
15°	1807	1823	1823	1796	1812	588
25°	272	296	328	291	262	139
35°	29	39	60	37	28	24
45°	1	3	4	3	1	2
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°	15688.9	15688.9	15688.9	15688.9	15688.9
1°	15547.6	15600.3	15572.6	15594.7	15569.8
2°	15211.1	15281.7	15259.6	15252.6	15272.0
3°	14618.3	14700.0	14697.3	14676.5	14643.2
4°	13809.5	13776.3	13827.5	13822.0	13765.2
5°	12725.1	12701.5	12766.6	12734.8	12741.7
6°	11398.3	11500.8	11478.6	11481.4	11507.7
7°	9973.1	10028.5	10075.6	10114.4	10060.4
8°	8664.3	8650.5	8654.7	8699.0	8549.4
9°	7199.1	7284.9	7229.5	7140.9	7197.7
10°	5868.1	5920.7	5920.7	5843.2	5845.9
11°	4678.4	4721.3	4690.9	4710.3	4588.4
12°	3771.3	3664.6	3639.7	3659.1	3657.7
13°	2879.3	2886.3	2879.3	2878.0	2864.1
14°	2257.5	2293.5	2278.3	2240.9	2224.3
15°	1807.4	1822.6	1822.6	1796.3	1811.5
17.5°	1085.8	1103.8	1108.0	1090.0	1090.0
20°	696.6	704.9	724.3	698.0	674.5
22.5°	429.3	447.3	480.6	441.8	422.4
25°	271.5	296.4	328.2	290.8	261.8
27.5°	170.4	191.1	218.8	182.8	164.8
30°	103.9	117.7	142.7	115.0	98.3
32.5°	58.2	69.2	90.0	66.5	55.4
35°	29.1	38.8	59.6	37.4	27.7
37.5°	16.6	20.8	37.4	18.0	15.2
40°	8.3	11.1	20.8	11.1	6.9
42.5°	2.8	5.5	8.3	5.5	2.8
45°	1.4	2.8	4.2	2.8	1.4
47.5°	0.0	0.0	1.4	0.0	0.0
50°	0.0	0.0	1.4	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)