

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: P1315717

Luminaire Tested: LDSQA3D17R159735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315717
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: LDSQA3D17R159735DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

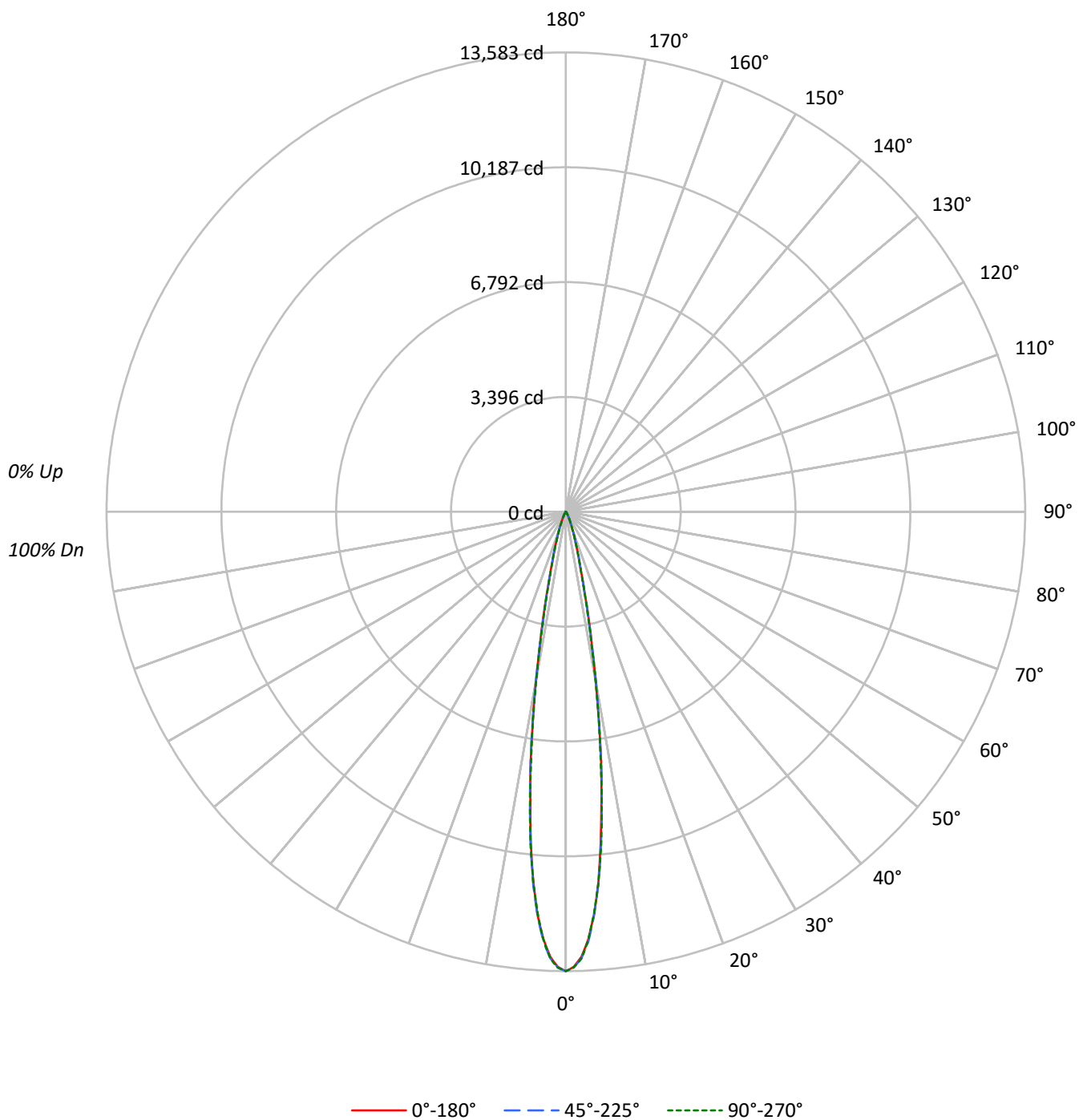
Lumens per Lamp: N/A
Luminaire Lumens: 1516.0 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	2339352	2339352	2339352
5°	1904676	1910883	1907149
10°	888475	896450	885135
15°	279001	281354	279643
20°	110533	114932	107033
25°	44656	54006	43060
30°	17878	24560	16923
35°	5298	10849	5046
40°	1619	4047	1349
45°	292	877	292
50°	0	322	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: 877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	850.4	56.1
10°-20°	508.6	33.6
20°-30°	128.3	8.5
30°-40°	26.2	1.7
40°-50°	2.4	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°	1487.3	98.1
0°-40°	1513.5	99.8
0°-60°	1516.0	100.0
0°-90°	1516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1516.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13583	13583	13583	13583	13583	
5°	11017	10997	11053	11026	11032	848
15°	1565	1578	1578	1555	1568	509
25°	235	257	284	252	227	121
35°	25	34	52	32	24	21
45°	1	2	4	2	1	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13583.3	13583.3	13583.3	13583.3	13583.3
1°	13461.0	13506.6	13482.6	13501.8	13480.2
2°	13169.6	13230.8	13211.6	13205.6	13222.4
3°	12656.4	12727.2	12724.8	12706.8	12678.0
4°	11956.1	11927.4	11971.7	11966.9	11917.8
5°	11017.3	10996.9	11053.2	11025.6	11031.6
6°	9868.5	9957.3	9938.1	9940.5	9963.2
7°	8634.7	8682.6	8723.4	8757.0	8710.2
8°	7501.5	7489.5	7493.1	7531.5	7402.0
9°	6232.9	6307.2	6259.3	6182.5	6231.7
10°	5080.5	5126.1	5126.1	5059.0	5061.4
11°	4050.5	4087.7	4061.3	4078.1	3972.6
12°	3265.1	3172.8	3151.2	3168.0	3166.8
13°	2492.9	2498.9	2492.9	2491.7	2479.7
14°	1954.5	1985.7	1972.5	1940.1	1925.7
15°	1564.8	1578.0	1578.0	1555.2	1568.4
17.5°	940.1	955.7	959.3	943.7	943.7
20°	603.1	610.3	627.1	604.3	584.0
22.5°	371.7	387.3	416.1	382.5	365.7
25°	235.0	256.6	284.2	251.8	226.6
27.5°	147.5	165.5	189.5	158.3	142.7
30°	89.9	101.9	123.5	99.5	85.1
32.5°	50.4	60.0	77.9	57.6	48.0
35°	25.2	33.6	51.6	32.4	24.0
37.5°	14.4	18.0	32.4	15.6	13.2
40°	7.2	9.6	18.0	9.6	6.0
42.5°	2.4	4.8	7.2	4.8	2.4
45°	1.2	2.4	3.6	2.4	1.2
47.5°	0.0	0.0	1.2	0.0	0.0
50°	0.0	0.0	1.2	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)