

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: P1319333

Luminaire Tested: LDSQA3D17R159835DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319333
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: LDSQA3D17R159835DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

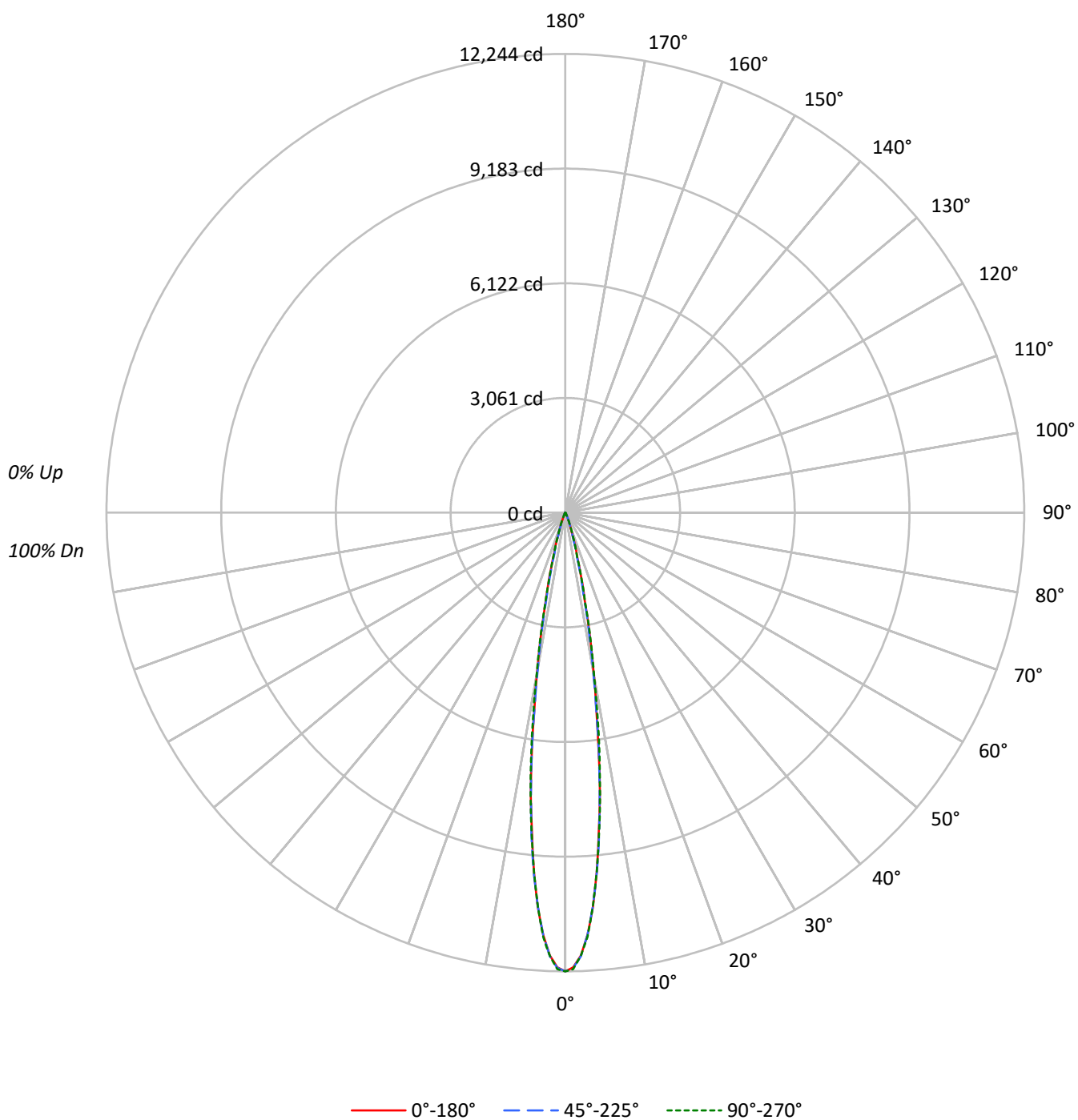
Lumens per Lamp: N/A
Luminaire Lumens: 1226.0 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

TEST NUMBER: P1319333

CATALOG NUMBER: LDSQA3D17R159835DE010 3LSQPHR1MW

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					0
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°	2108694	2108694	2108694
5°	1663335	1667796	1661866
10°	760988	741052	777077
15°	226260	201994	221678
20°	67189	65173	70561
25°	19098	24703	22138
30°	6821	7318	6582
35°	2586	2313	2313
40°	1102	562	832
45°	609	292	609
50°	322	0	322
55°	360	0	360
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: 637 cd/sqm

TEST NUMBER: P1319333

CATALOG NUMBER: LDSQA3D17R159835DE010 3LSQPHR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.8	60.3
10°-20°	410.7	33.5
20°-30°	65.4	5.3
30°-40°	8.6	0.7
40°-50°	1.3	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°	1215.9	99.2
0°-40°	1224.4	99.9
0°-60°	1226.0	100.0
0°-90°	1226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12244	12244	12244	12244	12244	
5°	9621	9702	9647	9606	9613	738
15°	1269	1253	1133	1204	1243	419
25°	100	113	130	129	116	61
35°	12	12	11	12	11	9
45°	2	2	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°	12244.0	12244.0	12244.0	12244.0	12244.0	12244.0	12244.0	12244.0	12244.0	12244.0	12244.0
1°	12138.6	12152.1	12169.2	12153.3	12138.6	12152.1	12133.7	12136.1	12121.4	12153.3	12188.8
2°	11829.6	11846.8	11836.9	11814.9	11849.2	11851.7	11813.6	11795.3	11792.8	11824.7	11836.9
3°	11282.7	11322.0	11323.2	11315.8	11304.8	11282.7	11243.5	11269.2	11233.7	11211.6	11336.7
4°	10555.6	10590.0	10630.4	10603.5	10522.5	10529.9	10555.6	10468.6	10473.5	10523.8	10527.4
5°	9621.3	9725.6	9730.5	9692.5	9628.7	9647.1	9628.7	9604.2	9612.8	9644.6	9612.8
6°	8521.5	8639.2	8552.2	8635.5	8617.2	8640.5	8646.6	8620.8	8639.2	8619.6	8613.5
7°	7571.3	7481.8	7494.0	7459.7	7496.5	7521.0	7535.7	7491.6	7527.1	7583.5	7599.5
8°	6393.0	6367.2	6341.5	6402.8	6385.6	6415.0	6433.4	6482.5	6480.0	6497.2	6553.6
9°	5271.1	5309.1	5332.4	5278.4	5325.0	5234.3	5266.2	5397.4	5363.0	5397.4	5497.9
10°	4351.5	4382.1	4347.8	4346.6	4297.5	4237.5	4233.8	4282.8	4385.8	4466.7	4443.5
12.5°	2400.7	2427.7	2431.4	2428.9	2340.7	2241.3	2259.7	2299.0	2362.7	2389.7	2433.8
15°	1269.0	1267.8	1281.3	1243.3	1196.7	1132.9	1137.8	1191.8	1239.6	1251.9	1243.3
17.5°	651.1	653.5	663.3	653.5	604.5	610.6	624.1	630.2	658.4	669.5	663.3
20°	366.6	367.8	366.6	370.3	350.7	355.6	372.7	374.0	380.1	386.2	385.0
22.5°	209.7	210.9	218.2	215.8	210.9	217.0	220.7	226.8	229.3	226.8	234.2
25°	100.5	101.8	101.8	116.5	123.8	130.0	132.4	130.0	127.5	117.7	116.5
27.5°	57.6	57.6	60.1	61.3	63.8	74.8	73.6	61.3	51.5	51.5	52.7
30°	34.3	33.1	33.1	34.3	35.6	36.8	34.3	33.1	33.1	34.3	33.1
32.5°	20.8	20.8	20.8	19.6	19.6	18.4	18.4	20.8	20.8	20.8	20.8
35°	12.3	12.3	12.3	12.3	11.0	11.0	11.0	12.3	12.3	11.0	11.0
37.5°	7.4	7.4	7.4	6.1	6.1	4.9	6.1	6.1	6.1	6.1	6.1
40°	4.9	4.9	3.7	3.7	2.5	2.5	2.5	3.7	3.7	3.7	3.7
42.5°	3.7	3.7	2.5	2.5	1.2	1.2	1.2	2.5	2.5	2.5	2.5
45°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
47.5°	2.5	2.5	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2	1.2
50°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
52.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
55°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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	1.2	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)