

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: P1320209

Luminaire Tested: LDSQA3D17R159840DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320209
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: LDSQA3D17R159840DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

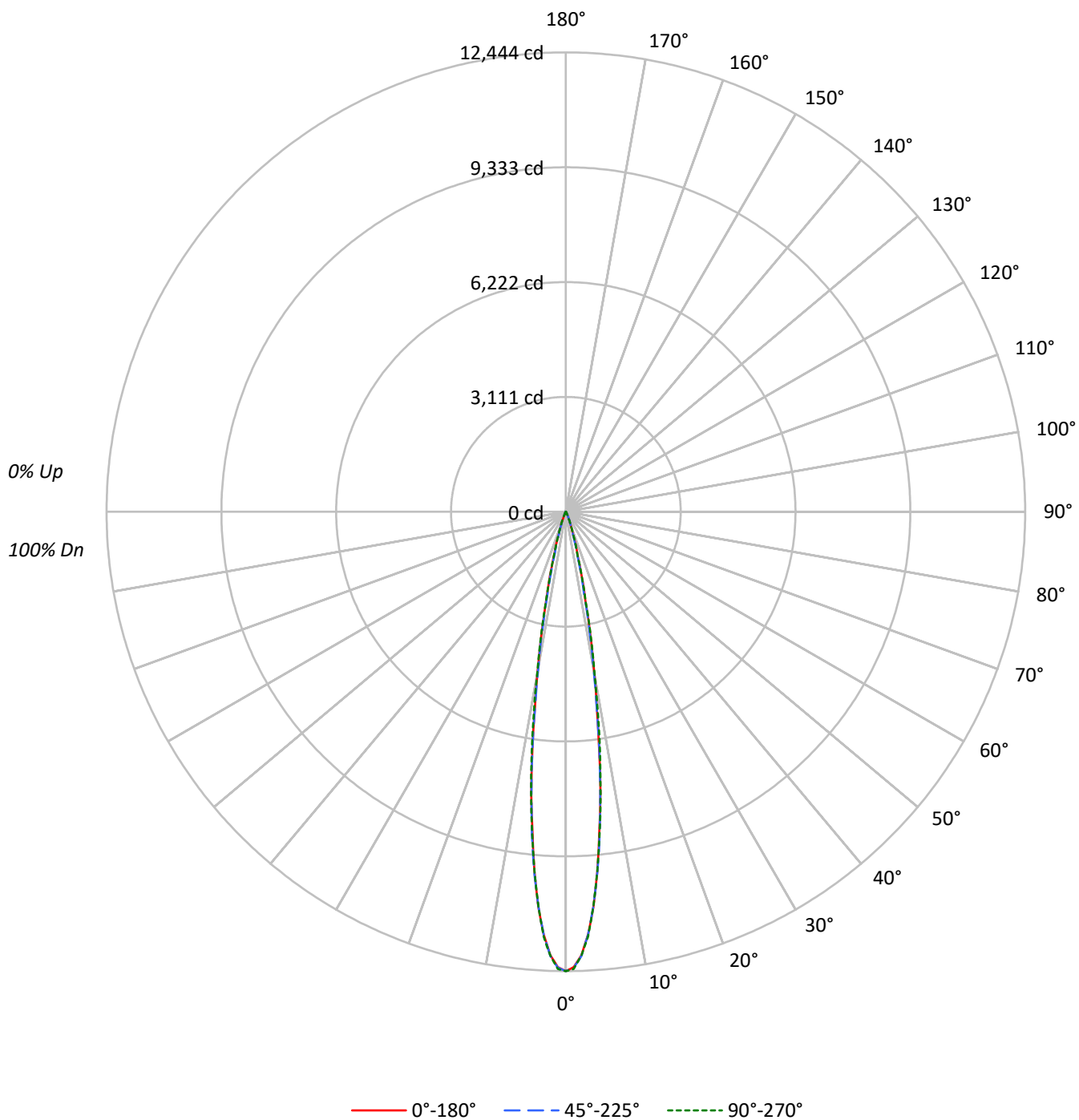
Lumens per Lamp: N/A
Luminaire Lumens: 1246.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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°	2143104	2143104	2143104
5°	1690477	1695007	1688973
10°	773404	753136	789738
15°	229951	205292	225297
20°	68288	66236	71716
25°	19421	25103	22499
30°	6940	7438	6682
35°	2628	2355	2355
40°	1124	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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	751.9	60.3
10°-20°	417.4	33.5
20°-30°	66.4	5.3
30°-40°	8.7	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°	1235.7	99.2
0°-40°	1244.4	99.9
0°-60°	1246.0	100.0
0°-90°	1246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1246.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12444	12444	12444	12444	12444	
5°	9778	9860	9804	9763	9770	750
15°	1290	1273	1151	1223	1264	425
25°	102	115	132	131	118	62
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°	12443.8	12443.8	12443.8	12443.8	12443.8	12443.8	12443.8	12443.8	12443.8	12443.8	12443.8
1°	12336.6	12350.3	12367.7	12351.5	12336.6	12350.3	12331.6	12334.1	12319.1	12351.5	12387.7
2°	12022.6	12040.0	12030.0	12007.6	12042.5	12045.0	12006.4	11987.7	11985.2	12017.6	12030.0
3°	11466.8	11506.7	11507.9	11500.4	11489.2	11466.8	11426.9	11453.1	11416.9	11394.5	11521.6
4°	10727.8	10762.7	10803.9	10776.4	10694.2	10701.7	10727.8	10639.4	10644.4	10695.4	10699.2
5°	9778.3	9884.2	9889.2	9850.6	9785.8	9804.5	9785.8	9760.9	9769.6	9802.0	9769.6
6°	8660.5	8780.2	8691.7	8776.4	8757.7	8781.4	8787.6	8761.5	8780.2	8760.2	8754.0
7°	7694.8	7603.8	7616.3	7581.4	7618.8	7643.7	7658.7	7613.8	7649.9	7707.3	7723.5
8°	6497.3	6471.1	6444.9	6507.2	6489.8	6519.7	6538.4	6588.2	6585.7	6603.2	6660.5
9°	5357.1	5395.7	5419.4	5364.5	5411.9	5319.7	5352.1	5485.4	5450.5	5485.4	5587.6
10°	4422.5	4453.6	4418.7	4417.5	4367.7	4306.6	4302.9	4352.7	4457.4	4539.6	4515.9
12.5°	2439.9	2467.3	2471.1	2468.6	2378.8	2277.9	2296.6	2336.5	2401.3	2428.7	2473.5
15°	1289.7	1288.5	1302.2	1263.6	1216.2	1151.4	1156.4	1211.2	1259.8	1272.3	1263.6
17.5°	661.7	664.2	674.2	664.2	614.3	620.6	634.3	640.5	669.2	680.4	674.2
20°	372.6	373.8	372.6	376.3	356.4	361.4	378.8	380.1	386.3	392.5	391.3
22.5°	213.1	214.3	221.8	219.3	214.3	220.6	224.3	230.5	233.0	230.5	238.0
25°	102.2	103.4	103.4	118.4	125.9	132.1	134.6	132.1	129.6	119.6	118.4
27.5°	58.6	58.6	61.1	62.3	64.8	76.0	74.8	62.3	52.3	52.3	53.6
30°	34.9	33.6	33.6	34.9	36.1	37.4	34.9	33.6	33.6	34.9	33.6
32.5°	21.2	21.2	21.2	19.9	19.9	18.7	18.7	21.2	21.2	21.2	21.2
35°	12.5	12.5	12.5	12.5	11.2	11.2	11.2	12.5	12.5	11.2	11.2
37.5°	7.5	7.5	7.5	6.2	6.2	5.0	6.2	6.2	6.2	6.2	6.2
40°	5.0	5.0	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)