

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: P1316850

Luminaire Tested: LDSQA3D20R159740D010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316850
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: LDSQA3D20R159740D010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

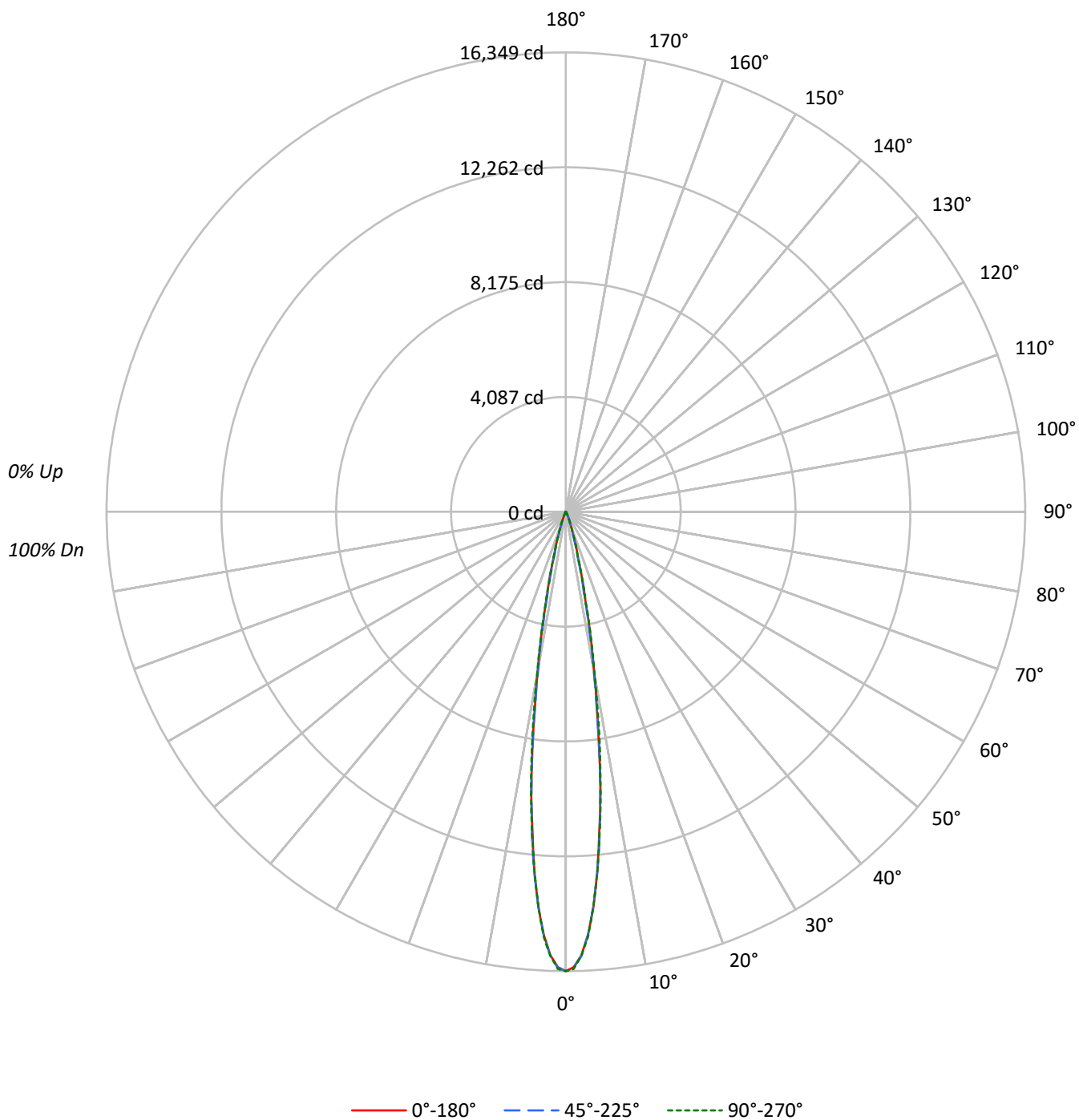
Lumens per Lamp: N/A
Luminaire Lumens: 1637.0 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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					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	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98	98	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97	97	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95	95	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93	93	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92	92	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	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	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°	2815616	2815616	2815616
5°	2220961	2226908	2218973
10°	1016102	989468	1037577
15°	302126	269711	295993
20°	89713	87019	94222
25°	25502	32970	29549
30°	9108	9764	8790
35°	3448	3091	3091
40°	1461	742	1102
45°	804	390	804
50°	429	0	429
55°	480	0	480
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: 841 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	987.8	60.3
10°-20°	548.4	33.5
20°-30°	87.3	5.3
30°-40°	11.4	0.7
40°-50°	1.7	0.1
50°-60°	0.4	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°	1623.5	99.2
0°-40°	1634.9	99.9
0°-60°	1637.0	100.0
0°-90°	1637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1637.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16349	16349	16349	16349	16349	
5°	12847	12954	12881	12827	12835	985
15°	1694	1673	1513	1607	1660	559
25°	134	151	174	173	156	82
35°	16	16	15	16	15	12
45°	3	2	2	2	3	3
55°	2	0	0	0	2	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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	16348.7	16348.7	16348.7	16348.7	16348.7	16348.7	16348.7	16348.7	16348.7	16348.7	16348.7
1°	16207.9	16225.9	16248.8	16227.5	16207.9	16225.9	16201.3	16204.6	16184.9	16227.5	16275.0
2°	15795.3	15818.2	15805.1	15775.6	15821.5	15824.8	15774.0	15749.5	15746.2	15788.7	15805.1
3°	15065.1	15117.5	15119.1	15109.3	15094.6	15065.1	15012.7	15047.1	14999.6	14970.2	15137.2
4°	14094.3	14140.1	14194.2	14158.1	14050.1	14059.9	14094.3	13978.1	13984.6	14051.7	14056.6
5°	12846.8	12985.9	12992.5	12941.7	12856.6	12881.2	12856.6	12823.9	12835.3	12877.9	12835.3
6°	11378.2	11535.4	11419.2	11530.5	11505.9	11537.0	11545.2	11510.9	11535.4	11509.2	11501.0
7°	10109.4	9989.9	10006.3	9960.5	10009.6	10042.3	10062.0	10003.0	10050.5	10125.8	10147.1
8°	8536.1	8501.8	8467.4	8549.2	8526.3	8565.6	8590.2	8655.7	8652.4	8675.3	8750.6
9°	7038.1	7088.9	7120.0	7048.0	7110.2	6989.0	7031.6	7206.8	7160.9	7206.8	7341.0
10°	5810.3	5851.2	5805.4	5803.7	5738.2	5658.0	5653.1	5718.6	5856.1	5964.2	5933.1
12.5°	3205.6	3241.6	3246.5	3243.2	3125.3	2992.7	3017.3	3069.7	3154.8	3190.8	3249.8
15°	1694.5	1692.8	1710.8	1660.1	1597.9	1512.7	1519.3	1591.3	1655.2	1671.5	1660.1
17.5°	869.3	872.6	885.7	872.6	807.1	815.3	833.3	841.5	879.2	893.9	885.7
20°	489.5	491.1	489.5	494.4	468.2	474.8	497.7	499.3	507.5	515.7	514.1
22.5°	280.0	281.6	291.4	288.1	281.6	289.8	294.7	302.9	306.1	302.9	312.7
25°	134.2	135.9	135.9	155.5	165.4	173.5	176.8	173.5	170.3	157.2	155.5
27.5°	76.9	76.9	80.2	81.9	85.1	99.9	98.2	81.9	68.8	68.8	70.4
30°	45.8	44.2	44.2	45.8	47.5	49.1	45.8	44.2	44.2	45.8	44.2
32.5°	27.8	27.8	27.8	26.2	26.2	24.6	24.6	27.8	27.8	27.8	27.8
35°	16.4	16.4	16.4	16.4	14.7	14.7	14.7	16.4	16.4	14.7	14.7
37.5°	9.8	9.8	9.8	8.2	8.2	6.5	8.2	8.2	8.2	8.2	8.2
40°	6.5	6.5	4.9	4.9	3.3	3.3	3.3	4.9	4.9	4.9	4.9
42.5°	4.9	4.9	3.3	3.3	1.6	1.6	1.6	3.3	3.3	3.3	3.3
45°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3
47.5°	3.3	3.3	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6	1.6
50°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
52.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
55°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
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	1.6	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)