

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: P1318603

Luminaire Tested: LDSQA3D20R159830D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318603
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: LDSQA3D20R159830D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

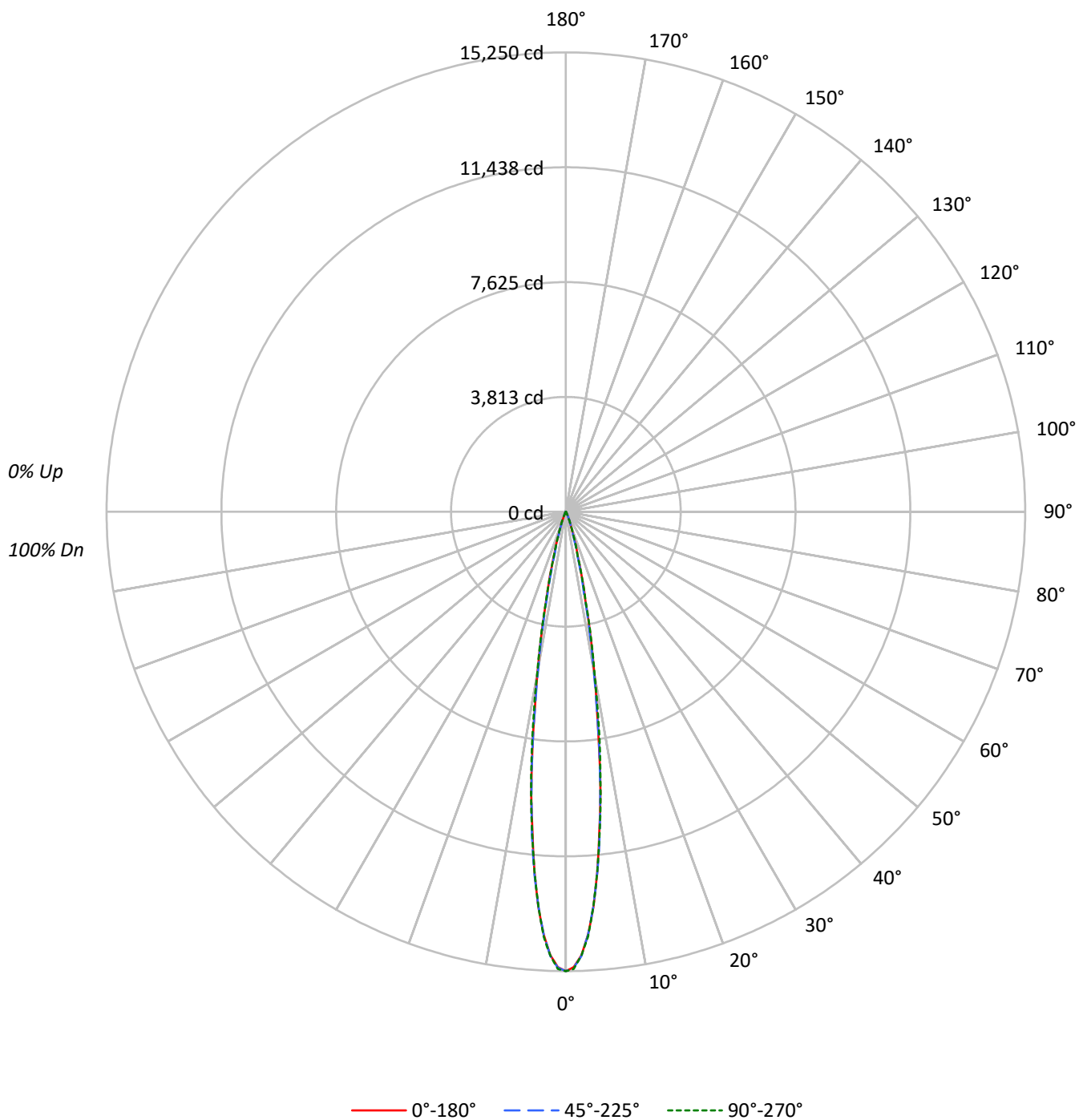
Lumens per Lamp: N/A
Luminaire Lumens: 1527.0 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	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°	2626412	2626412	2626412
5°	2071714	2077263	2069864
10°	947812	922979	967853
15°	281818	251596	276094
20°	83684	81173	87881
25°	23791	30765	27573
30°	8511	9108	8193
35°	3217	2880	2880
40°	1371	697	1034
45°	755	365	755
50°	402	0	402
55°	450	0	450
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: 790 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	921.4	60.3
10°-20°	511.5	33.5
20°-30°	81.4	5.3
30°-40°	10.7	0.7
40°-50°	1.6	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°	1514.4	99.2
0°-40°	1525.0	99.9
0°-60°	1527.0	100.0
0°-90°	1527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1527.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15250	15250	15250	15250	15250	
5°	11984	12084	12016	11965	11973	919
15°	1581	1560	1411	1499	1548	521
25°	125	141	162	161	145	76
35°	15	15	14	15	14	11
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°	15250.1	15250.1	15250.1	15250.1	15250.1	15250.1	15250.1	15250.1	15250.1	15250.1	15250.1
1°	15118.8	15135.6	15156.9	15137.1	15118.8	15135.6	15112.6	15115.7	15097.4	15137.1	15181.4
2°	14733.9	14755.3	14743.1	14715.6	14758.3	14761.4	14714.1	14691.2	14688.1	14727.8	14743.1
3°	14052.8	14101.7	14103.2	14094.0	14080.3	14052.8	14003.9	14036.0	13991.7	13964.2	14120.0
4°	13147.2	13190.0	13240.4	13206.8	13106.0	13115.1	13147.2	13038.8	13044.9	13107.5	13112.1
5°	11983.5	12113.3	12119.4	12072.1	11992.7	12015.6	11992.7	11962.1	11972.8	12012.5	11972.8
6°	10613.7	10760.3	10651.8	10755.7	10732.8	10761.8	10769.4	10737.4	10760.3	10735.8	10728.2
7°	9430.1	9318.7	9333.9	9291.2	9337.0	9367.5	9385.8	9330.9	9375.2	9445.4	9465.3
8°	7962.5	7930.5	7898.4	7974.8	7953.4	7990.0	8012.9	8074.0	8071.0	8092.4	8162.6
9°	6565.2	6612.5	6641.6	6574.4	6632.4	6519.4	6559.1	6722.5	6679.7	6722.5	6847.7
10°	5419.8	5458.0	5415.3	5413.7	5352.6	5277.8	5273.2	5334.3	5462.6	5563.4	5534.4
12.5°	2990.2	3023.8	3028.3	3025.3	2915.3	2791.6	2814.5	2863.4	2942.8	2976.4	3031.4
15°	1580.6	1579.1	1595.9	1548.5	1490.5	1411.1	1417.2	1484.4	1543.9	1559.2	1548.5
17.5°	810.9	814.0	826.2	814.0	752.9	760.5	777.3	785.0	820.1	833.8	826.2
20°	456.6	458.1	456.6	461.2	436.8	442.9	464.3	465.8	473.4	481.1	479.5
22.5°	261.1	262.7	271.8	268.8	262.7	270.3	274.9	282.5	285.6	282.5	291.7
25°	125.2	126.8	126.8	145.1	154.2	161.9	164.9	161.9	158.8	146.6	145.1
27.5°	71.8	71.8	74.8	76.4	79.4	93.2	91.6	76.4	64.1	64.1	65.7
30°	42.8	41.2	41.2	42.8	44.3	45.8	42.8	41.2	41.2	42.8	41.2
32.5°	26.0	26.0	26.0	24.4	24.4	22.9	22.9	26.0	26.0	26.0	26.0
35°	15.3	15.3	15.3	15.3	13.7	13.7	13.7	15.3	15.3	13.7	13.7
37.5°	9.2	9.2	9.2	7.6	7.6	6.1	7.6	7.6	7.6	7.6	7.6
40°	6.1	6.1	4.6	4.6	3.1	3.1	3.1	4.6	4.6	4.6	4.6
42.5°	4.6	4.6	3.1	3.1	1.5	1.5	1.5	3.1	3.1	3.1	3.1
45°	3.1	3.1	3.1	1.5	1.5	1.5	1.5	1.5	1.5	3.1	3.1
47.5°	3.1	3.1	1.5	1.5	0.0	0.0	0.0	1.5	1.5	1.5	1.5
50°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
52.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
55°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
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	1.5	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)