

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: P1310943

Luminaire Tested: LDSQA3D02R159040DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310943
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: LDSQA3D02R159040DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

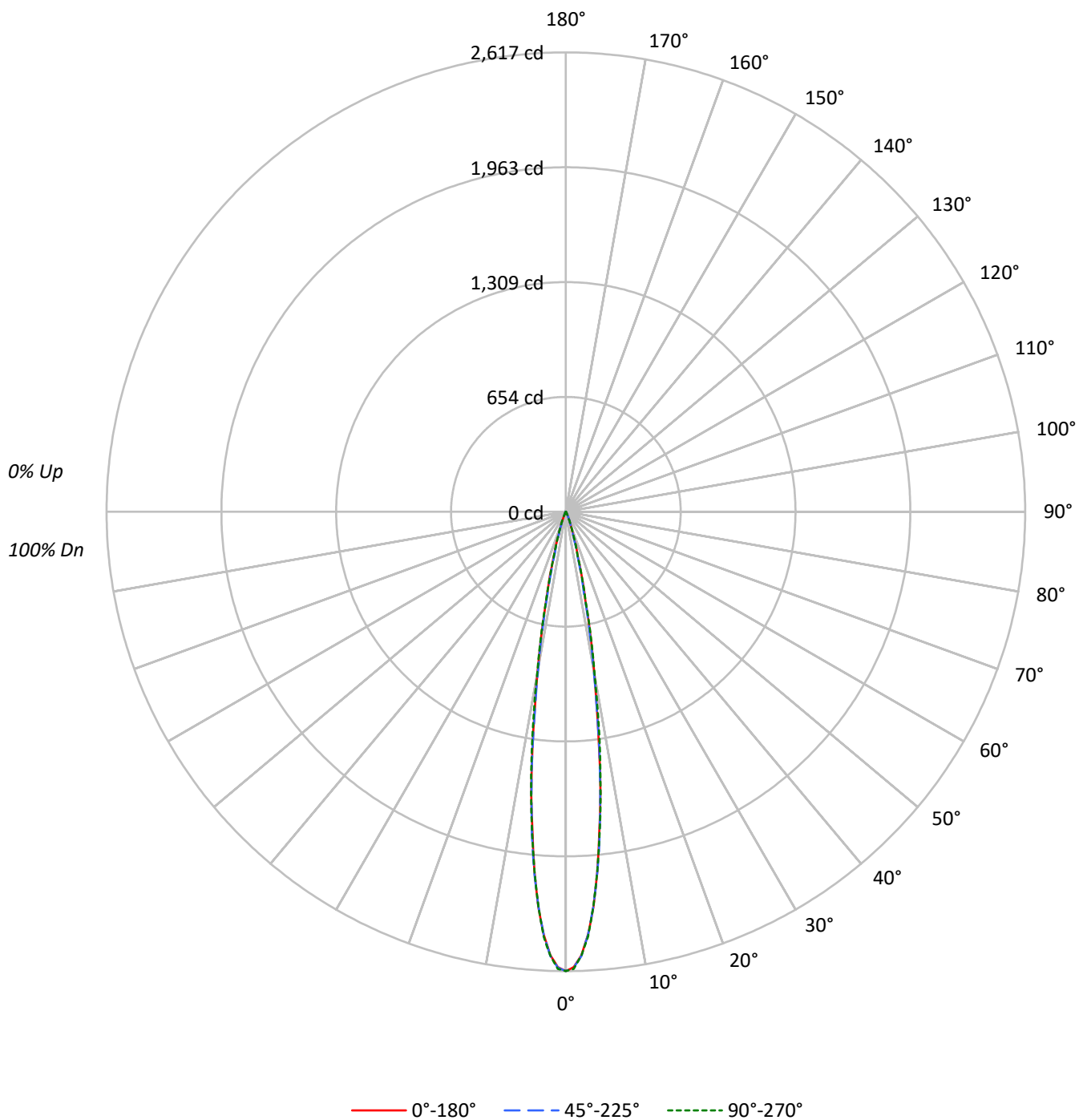
Lumens per Lamp: N/A
Luminaire Lumens: 262.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	103	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	90
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°	450638	450638	450638
5°	355460	356410	355148
10°	162620	158371	166066
15°	48354	43166	47374
20°	14350	13929	15084
25°	4086	5283	4732
30°	1452	1571	1412
35°	547	505	505
40°	225	112	180
45°	122	73	122
50°	80	0	80
55°	90	0	90
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: 127 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.1	60.3
10°-20°	87.8	33.5
20°-30°	14.0	5.3
30°-40°	1.8	0.7
40°-50°	0.3	0.1
50°-60°	0.1	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°	259.8	99.2
0°-40°	261.7	99.9
0°-60°	262.0	100.0
0°-90°	262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2617	2617	2617	2617	2617	
5°	2056	2073	2062	2053	2054	158
15°	271	268	242	257	266	89
25°	22	24	28	28	25	13
35°	3	3	2	3	2	2
45°	0	0	0	0	0	0
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2616.6	2616.6	2616.6	2616.6	2616.6	2616.6	2616.6	2616.6	2616.6	2616.6	2616.6
1°	2594.0	2596.9	2600.6	2597.2	2594.0	2596.9	2593.0	2593.5	2590.4	2597.2	2604.8
2°	2528.0	2531.7	2529.6	2524.9	2532.2	2532.7	2524.6	2520.7	2520.2	2527.0	2529.6
3°	2411.2	2419.5	2419.8	2418.2	2415.9	2411.2	2402.8	2408.3	2400.7	2396.0	2422.7
4°	2255.8	2263.1	2271.8	2266.0	2248.7	2250.3	2255.8	2237.2	2238.2	2249.0	2249.7
5°	2056.1	2078.4	2079.4	2071.3	2057.7	2061.6	2057.7	2052.4	2054.3	2061.1	2054.3
6°	1821.1	1846.2	1827.6	1845.4	1841.5	1846.5	1847.8	1842.3	1846.2	1842.0	1840.7
7°	1618.0	1598.9	1601.5	1594.2	1602.0	1607.3	1610.4	1601.0	1608.6	1620.6	1624.0
8°	1366.2	1360.7	1355.2	1368.3	1364.6	1370.9	1374.8	1385.3	1384.8	1388.5	1400.5
9°	1126.4	1134.6	1139.5	1128.0	1138.0	1118.6	1125.4	1153.4	1146.1	1153.4	1174.9
10°	929.9	936.5	929.1	928.9	918.4	905.6	904.8	915.3	937.3	954.6	949.6
12.5°	513.0	518.8	519.6	519.1	500.2	479.0	482.9	491.3	504.9	510.7	520.1
15°	271.2	270.9	273.8	265.7	255.7	242.1	243.2	254.7	264.9	267.5	265.7
17.5°	139.1	139.7	141.8	139.7	129.2	130.5	133.4	134.7	140.7	143.1	141.8
20°	78.3	78.6	78.3	79.1	74.9	76.0	79.7	79.9	81.2	82.5	82.3
22.5°	44.8	45.1	46.6	46.1	45.1	46.4	47.2	48.5	49.0	48.5	50.0
25°	21.5	21.7	21.7	24.9	26.5	27.8	28.3	27.8	27.3	25.2	24.9
27.5°	12.3	12.3	12.8	13.1	13.6	16.0	15.7	13.1	11.0	11.0	11.3
30°	7.3	7.1	7.1	7.3	7.6	7.9	7.3	7.1	7.1	7.3	7.1
32.5°	4.5	4.5	4.5	4.2	4.2	3.9	3.9	4.5	4.5	4.5	4.5
35°	2.6	2.6	2.6	2.6	2.4	2.4	2.4	2.6	2.6	2.4	2.4
37.5°	1.6	1.6	1.6	1.3	1.3	1.0	1.3	1.3	1.3	1.3	1.3
40°	1.0	1.0	0.8	0.8	0.5	0.5	0.5	0.8	0.8	0.8	0.8
42.5°	0.8	0.8	0.5	0.5	0.3	0.3	0.3	0.5	0.5	0.5	0.5
45°	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
47.5°	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3
50°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
52.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
55°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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	0.3	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)