

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: P1312043

Luminaire Tested: LDSQA3D02R159050DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312043
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: LDSQA3D02R159050DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

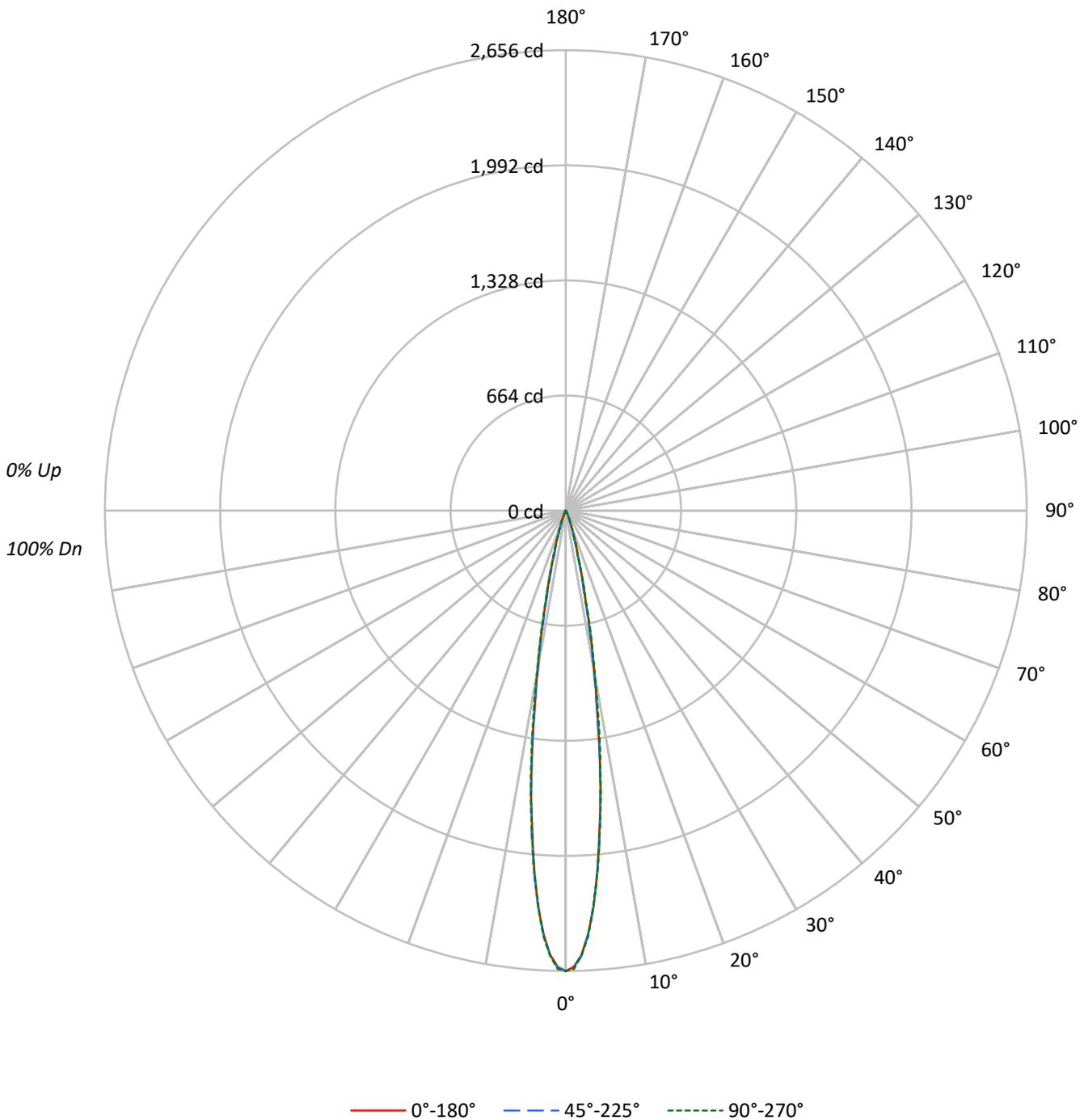
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 266.0 lumens
Efficiency: N/A
Efficacy: 73.9 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 (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	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	90
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	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	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	457509	457509	457509
5°	360888	361856	360560
10°	165104	160784	168601
15°	49085	43826	48087
20°	14570	14131	15304
25°	4143	5359	4808
30°	1472	1591	1432
35°	568	505	505
40°	247	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°	160.5	60.3
10°-20°	89.1	33.5
20°-30°	14.2	5.3
30°-40°	1.9	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°	263.8	99.2
0°-40°	265.7	99.9
0°-60°	266.0	100.0
0°-90°	266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2656	2656	2656	2656	2656	
5°	2088	2105	2093	2084	2086	160
15°	275	272	246	261	270	91
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2656.5	2656.5	2656.5	2656.5	2656.5	2656.5	2656.5	2656.5	2656.5	2656.5	2656.5
1°	2633.7	2636.6	2640.3	2636.8	2633.7	2636.6	2632.6	2633.1	2629.9	2636.8	2644.6
2°	2566.6	2570.3	2568.2	2563.4	2570.9	2571.4	2563.2	2559.2	2558.6	2565.6	2568.2
3°	2448.0	2456.5	2456.7	2455.2	2452.8	2448.0	2439.5	2445.0	2437.3	2432.5	2459.7
4°	2290.2	2297.7	2306.4	2300.6	2283.0	2284.6	2290.2	2271.3	2272.4	2283.3	2284.1
5°	2087.5	2110.1	2111.2	2102.9	2089.1	2093.1	2089.1	2083.8	2085.6	2092.6	2085.6
6°	1848.9	1874.4	1855.5	1873.6	1869.6	1874.7	1876.0	1870.4	1874.4	1870.2	1868.8
7°	1642.7	1623.3	1625.9	1618.5	1626.5	1631.8	1635.0	1625.4	1633.1	1645.4	1648.8
8°	1387.1	1381.5	1375.9	1389.2	1385.5	1391.8	1395.8	1406.5	1405.9	1409.7	1421.9
9°	1143.6	1151.9	1156.9	1145.2	1155.3	1135.7	1142.6	1171.0	1163.6	1171.0	1192.9
10°	944.1	950.8	943.3	943.1	932.4	919.4	918.6	929.2	951.6	969.1	964.1
12.5°	520.9	526.7	527.5	527.0	507.8	486.3	490.3	498.8	512.6	518.5	528.1
15°	275.3	275.1	278.0	269.7	259.6	245.8	246.9	258.6	269.0	271.6	269.7
17.5°	141.3	141.8	143.9	141.8	131.2	132.5	135.4	136.7	142.9	145.2	143.9
20°	79.5	79.8	79.5	80.3	76.1	77.1	80.9	81.1	82.5	83.8	83.5
22.5°	45.5	45.8	47.4	46.8	45.8	47.1	47.9	49.2	49.7	49.2	50.8
25°	21.8	22.1	22.1	25.3	26.9	28.2	28.7	28.2	27.7	25.5	25.3
27.5°	12.5	12.5	13.0	13.3	13.8	16.2	16.0	13.3	11.2	11.2	11.4
30°	7.4	7.2	7.2	7.4	7.7	8.0	7.4	7.2	7.2	7.4	7.2
32.5°	4.5	4.5	4.5	4.3	4.3	4.0	4.0	4.5	4.5	4.5	4.5
35°	2.7	2.7	2.7	2.7	2.4	2.4	2.4	2.7	2.7	2.4	2.4
37.5°	1.6	1.6	1.6	1.3	1.3	1.1	1.3	1.3	1.3	1.3	1.3
40°	1.1	1.1	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)