

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: P1311173

Luminaire Tested: LDSQA3D05R359040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

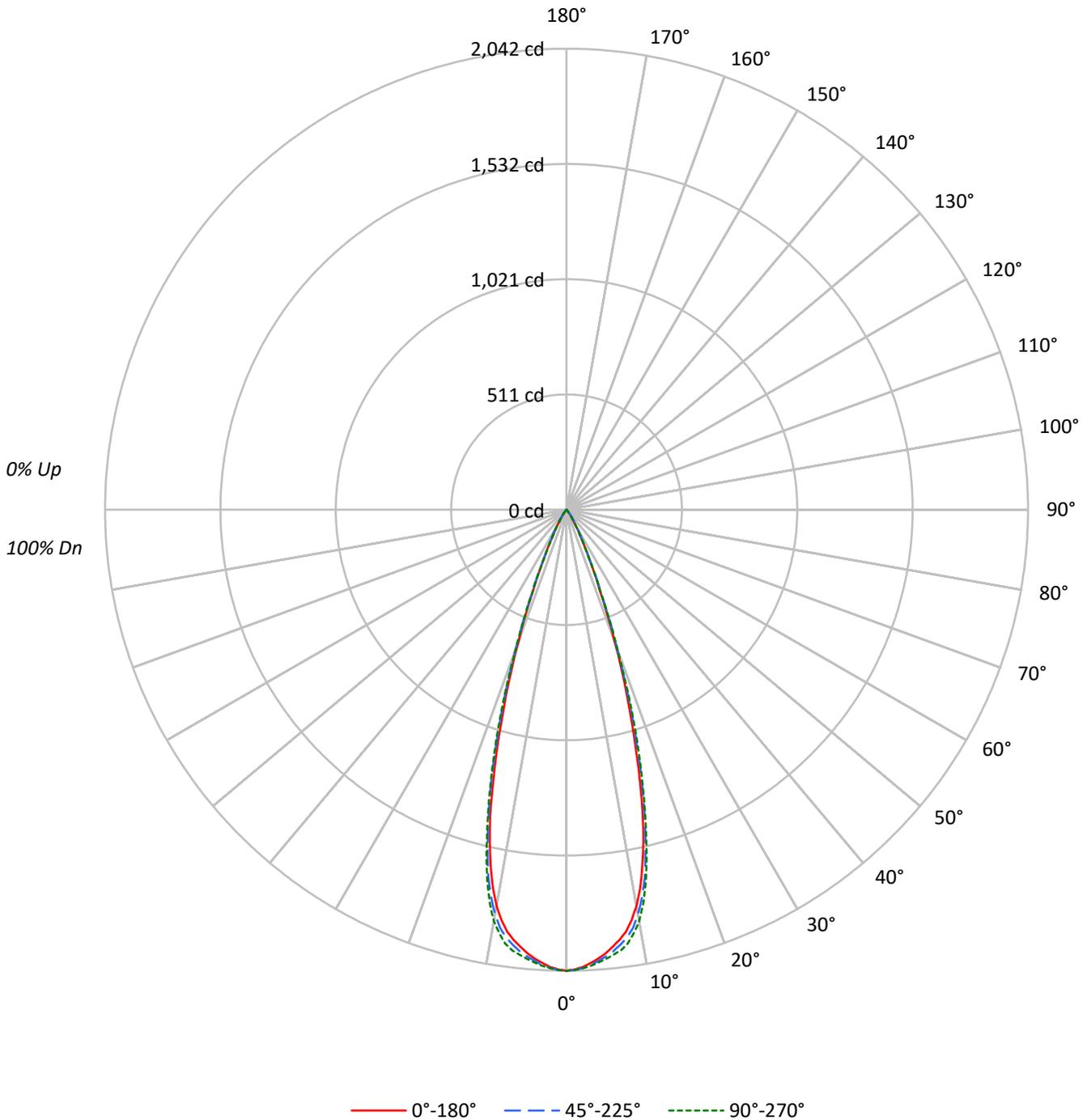
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 680.0 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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			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	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	351730	351730	351730
5°	341076	343496	345346
10°	311670	318263	323719
15°	224138	233927	235853
20°	114107	119826	120137
25°	43288	44219	42984
30°	16824	19489	16387
35°	5782	9062	5445
40°	1933	3507	1821
45°	122	1169	122
50°	0	134	0
55°	0	0	0
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: 45°
 Vertical Angle: 45°
 Luminance: 1169 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.9	27.2
10°-20°	344.4	50.7
20°-30°	123.8	18.2
30°-40°	24.2	3.6
40°-50°	2.7	0.4
50°-60°	0.0	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°	653.1	96.0
0°-40°	677.3	99.6
0°-60°	680.0	100.0
0°-90°	680.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	680.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2042	2042	2042	2042	2042	
5°	1973	1978	1987	1996	1998	183
15°	1257	1278	1312	1321	1323	334
25°	228	230	233	231	226	119
35°	28	31	43	32	26	20
45°	0	2	5	2	0	1
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°	22.5°	45°	67.5°	90°
0°	2042.3	2042.3	2042.3	2042.3	2042.3
1°	2036.4	2039.1	2039.6	2043.4	2039.1
2°	2027.8	2029.4	2031.6	2034.8	2032.6
3°	2011.1	2014.3	2019.2	2023.5	2023.5
4°	1993.3	1997.6	2003.6	2011.1	2010.6
5°	1972.9	1978.2	1986.9	1996.0	1997.6
6°	1947.0	1953.5	1967.5	1980.4	1982.5
7°	1919.5	1929.2	1942.7	1961.5	1966.4
8°	1887.2	1894.8	1914.1	1936.2	1941.6
9°	1839.8	1851.1	1875.9	1896.4	1899.6
10°	1782.2	1790.3	1819.9	1841.4	1851.1
11°	1707.9	1719.7	1748.8	1770.9	1777.3
12°	1613.1	1630.3	1664.2	1680.4	1685.8
13°	1510.7	1525.3	1551.7	1571.6	1575.9
14°	1395.5	1409.5	1437.0	1453.1	1449.3
15°	1257.1	1278.1	1312.0	1321.2	1322.8
17.5°	928.5	942.0	972.2	986.7	996.9
20°	622.6	635.5	653.8	663.5	655.5
22.5°	378.6	389.4	399.1	398.6	395.9
25°	227.8	230.0	232.7	231.1	226.2
27.5°	133.0	139.0	147.0	141.6	133.6
30°	84.6	89.4	98.0	88.9	82.4
32.5°	44.7	56.6	65.7	53.3	46.9
35°	27.5	31.2	43.1	31.8	25.9
37.5°	16.7	19.4	26.9	18.9	15.1
40°	8.6	12.4	15.6	11.3	8.1
42.5°	2.7	5.9	8.6	5.4	2.7
45°	0.5	1.6	4.8	1.6	0.5
47.5°	0.0	0.0	2.2	0.5	0.0
50°	0.0	0.0	0.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)