

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: P1311174

Luminaire Tested: LDSQA3D05R359040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

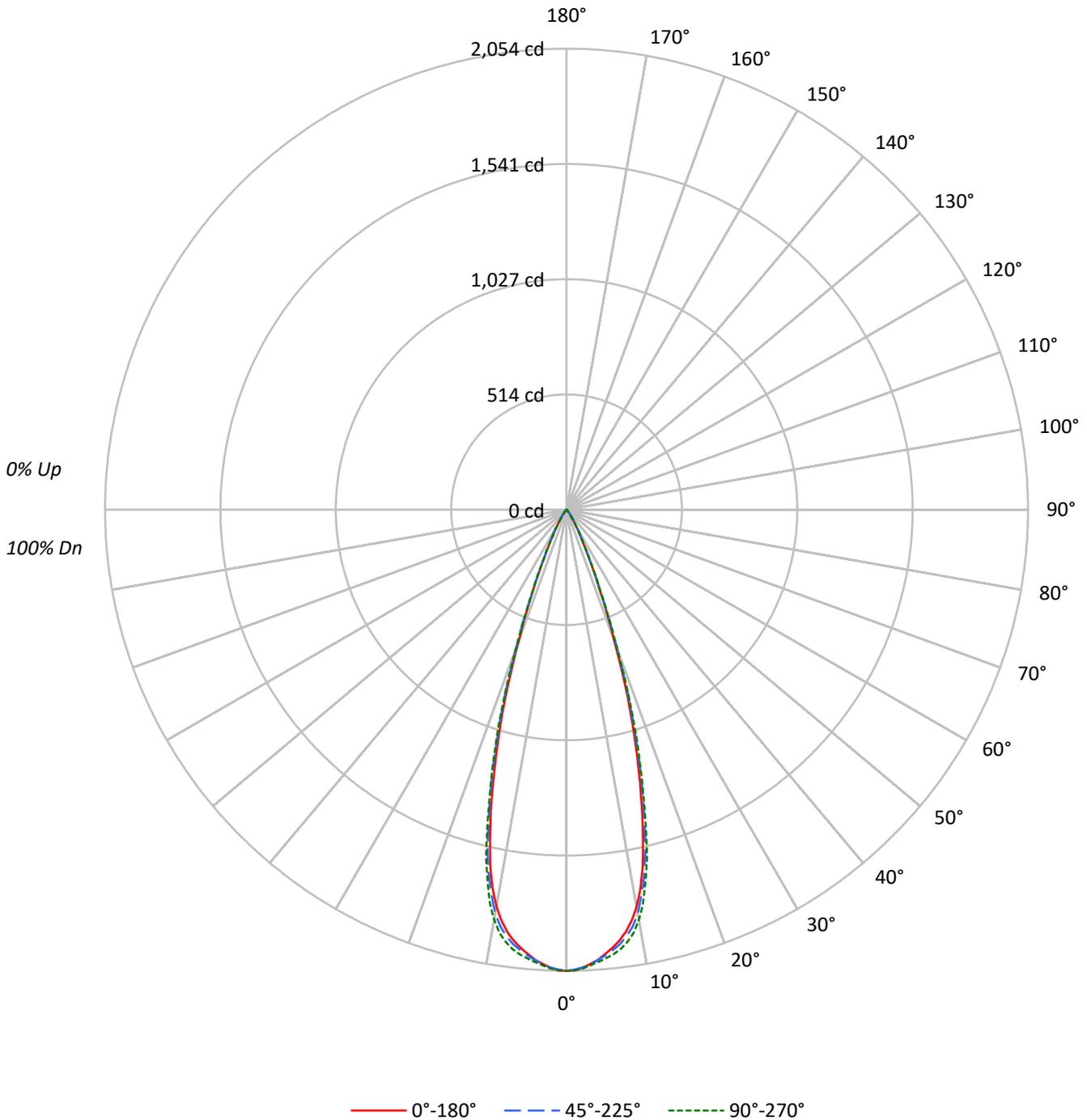
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 690.0 lumens
Efficiency: N/A
Efficacy: 95.8 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 (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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	80	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	353763	353763	353763
5°	343306	344516	346833
10°	314031	319487	324384
15°	225422	233677	236067
20°	113393	119990	120302
25°	42965	44295	44504
30°	17460	20026	17142
35°	6349	9629	6118
40°	2653	4114	2540
45°	658	1705	658
50°	429	723	429
55°	480	480	480
60°	551	551	551
65°	448	448	448
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1705 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.7	26.9
10°-20°	346.0	50.1
20°-30°	124.4	18.0
30°-40°	26.1	3.8
40°-50°	4.5	0.7
50°-60°	1.5	0.2
60°-70°	1.1	0.2
70°-80°	0.5	0.1
80°-90°	0.1	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°	656.2	95.1
0°-40°	682.3	98.9
0°-60°	688.3	99.8
0°-90°	690.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	690.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2054	2054	2054	2054	2054	
5°	1986	1990	1993	2006	2006	184
15°	1264	1286	1311	1325	1324	336
25°	226	229	233	235	234	120
35°	30	36	46	35	29	23
45°	3	4	7	4	3	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2054.1	2054.1	2054.1	2054.1	2054.1
1°	2053.1	2053.1	2048.8	2053.6	2052.0
2°	2041.8	2042.8	2040.1	2046.1	2045.5
3°	2026.1	2028.8	2026.7	2035.3	2032.6
4°	2009.4	2011.6	2010.5	2021.3	2020.2
5°	1985.8	1989.5	1992.8	2006.2	2006.2
6°	1961.5	1965.3	1972.3	1986.8	1991.7
7°	1933.5	1938.4	1949.7	1969.1	1972.3
8°	1898.0	1903.4	1919.0	1940.0	1944.3
9°	1853.8	1861.9	1879.7	1905.0	1907.7
10°	1795.7	1802.2	1826.9	1847.9	1854.9
11°	1720.3	1725.7	1747.8	1781.7	1786.0
12°	1628.8	1635.2	1663.8	1685.8	1690.2
13°	1513.0	1525.4	1559.9	1581.4	1593.2
14°	1394.0	1410.7	1435.5	1466.2	1458.6
15°	1264.3	1286.3	1310.6	1324.6	1324.0
17.5°	946.0	959.0	980.5	988.6	999.3
20°	618.7	635.4	654.7	662.3	656.4
22.5°	383.9	388.2	394.1	397.4	396.3
25°	226.1	229.4	233.1	235.3	234.2
27.5°	136.2	143.8	149.1	142.7	138.9
30°	87.8	91.0	100.7	92.1	86.2
32.5°	52.2	59.8	67.8	57.6	50.1
35°	30.2	35.5	45.8	35.0	29.1
37.5°	19.4	22.1	29.6	21.5	18.8
40°	11.8	15.1	18.3	14.0	11.3
42.5°	5.9	9.2	10.8	8.1	5.9
45°	2.7	4.3	7.0	4.3	2.7
47.5°	1.6	2.2	4.3	2.2	1.6
50°	1.6	1.6	2.7	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	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)