

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: P1313369

Luminaire Tested: LDSQA3D05R359727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313369
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: LDSQA3D05R359727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

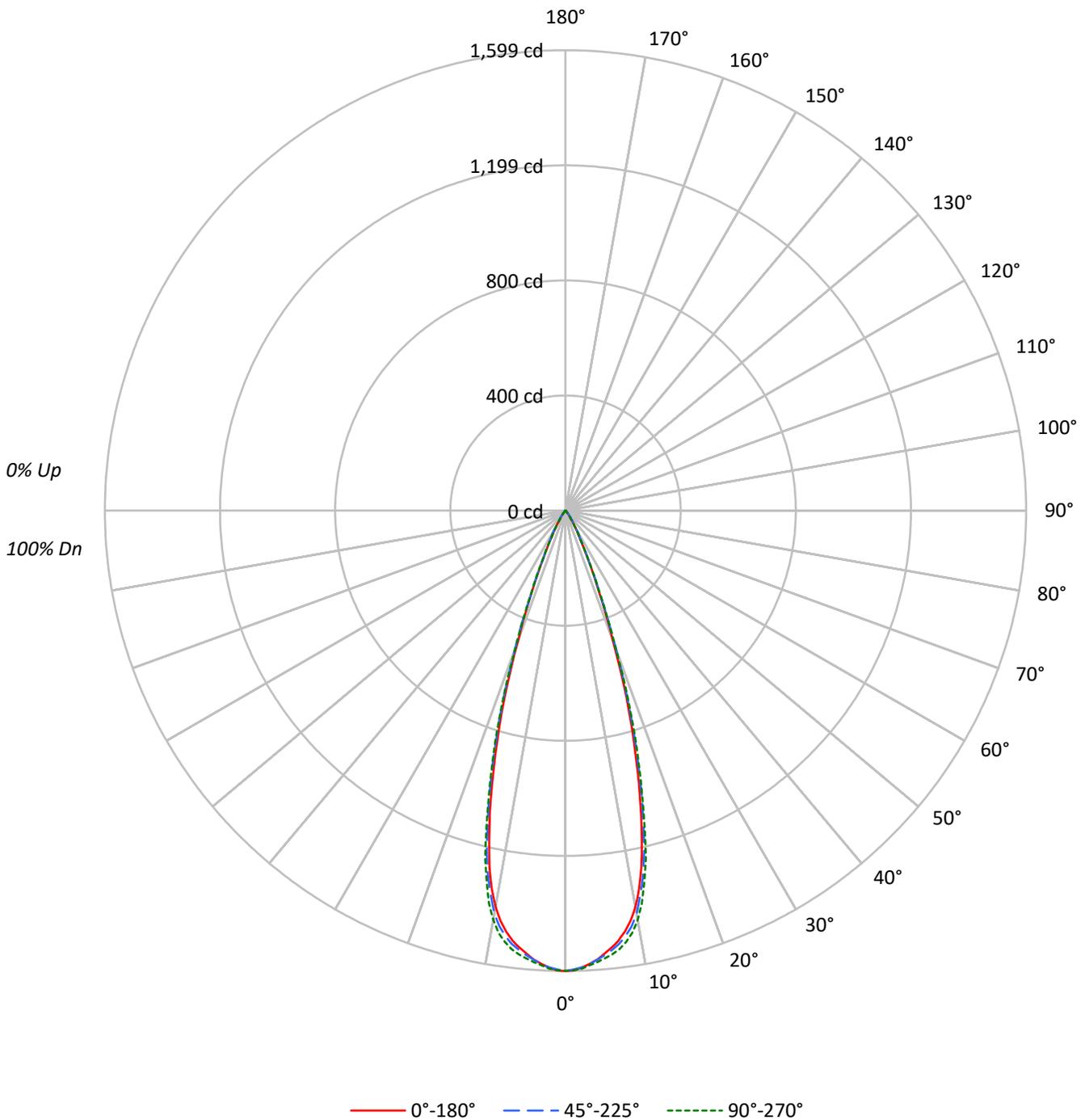
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 537.0 lumens
Efficiency: N/A
Efficacy: 74.6 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	79	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°	275332	275332	275332
5°	267170	268120	269936
10°	244394	248644	252456
15°	175427	181864	183718
20°	88247	93397	93617
25°	33445	34471	34642
30°	13583	15591	13324
35°	4941	7485	4752
40°	2068	3192	1978
45°	511	1315	511
50°	348	563	348
55°	390	390	390
60°	448	448	448
65°	326	326	326
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1315 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.5	26.9
10°-20°	269.3	50.1
20°-30°	96.8	18.0
30°-40°	20.3	3.8
40°-50°	3.5	0.7
50°-60°	1.2	0.2
60°-70°	0.8	0.1
70°-80°	0.4	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°	510.7	95.1
0°-40°	531.0	98.9
0°-60°	535.7	99.8
0°-90°	537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	537.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1599	1599	1599	1599	1599	
5°	1545	1548	1551	1561	1561	143
15°	984	1001	1020	1031	1030	262
25°	176	178	181	183	182	94
35°	24	28	36	27	23	18
45°	2	3	5	3	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
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°	1598.7	1598.7	1598.7	1598.7	1598.7
1°	1597.8	1597.8	1594.5	1598.2	1597.0
2°	1589.0	1589.9	1587.8	1592.4	1592.0
3°	1576.9	1579.0	1577.3	1584.0	1581.9
4°	1563.9	1565.6	1564.7	1573.1	1572.3
5°	1545.4	1548.4	1550.9	1561.4	1561.4
6°	1526.6	1529.5	1535.0	1546.3	1550.0
7°	1504.8	1508.6	1517.4	1532.4	1535.0
8°	1477.1	1481.3	1493.5	1509.8	1513.2
9°	1442.8	1449.1	1462.9	1482.6	1484.7
10°	1397.5	1402.5	1421.8	1438.2	1443.6
11°	1338.8	1343.0	1360.2	1386.6	1390.0
12°	1267.6	1272.6	1294.8	1312.0	1315.4
13°	1177.5	1187.2	1214.0	1230.7	1240.0
14°	1084.9	1097.9	1117.2	1141.1	1135.2
15°	983.9	1001.1	1020.0	1030.9	1030.4
17.5°	736.3	746.3	763.1	769.4	777.7
20°	481.5	494.5	509.6	515.4	510.8
22.5°	298.8	302.1	306.7	309.3	308.4
25°	176.0	178.5	181.4	183.1	182.3
27.5°	106.0	111.9	116.1	111.0	108.1
30°	68.3	70.8	78.4	71.7	67.0
32.5°	40.6	46.5	52.8	44.8	39.0
35°	23.5	27.7	35.6	27.2	22.6
37.5°	15.1	17.2	23.0	16.8	14.7
40°	9.2	11.7	14.2	10.9	8.8
42.5°	4.6	7.1	8.4	6.3	4.6
45°	2.1	3.4	5.4	3.4	2.1
47.5°	1.3	1.7	3.4	1.7	1.3
50°	1.3	1.3	2.1	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	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)