

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: P1311200

Luminaire Tested: LDSQA3D05R459040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R459040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

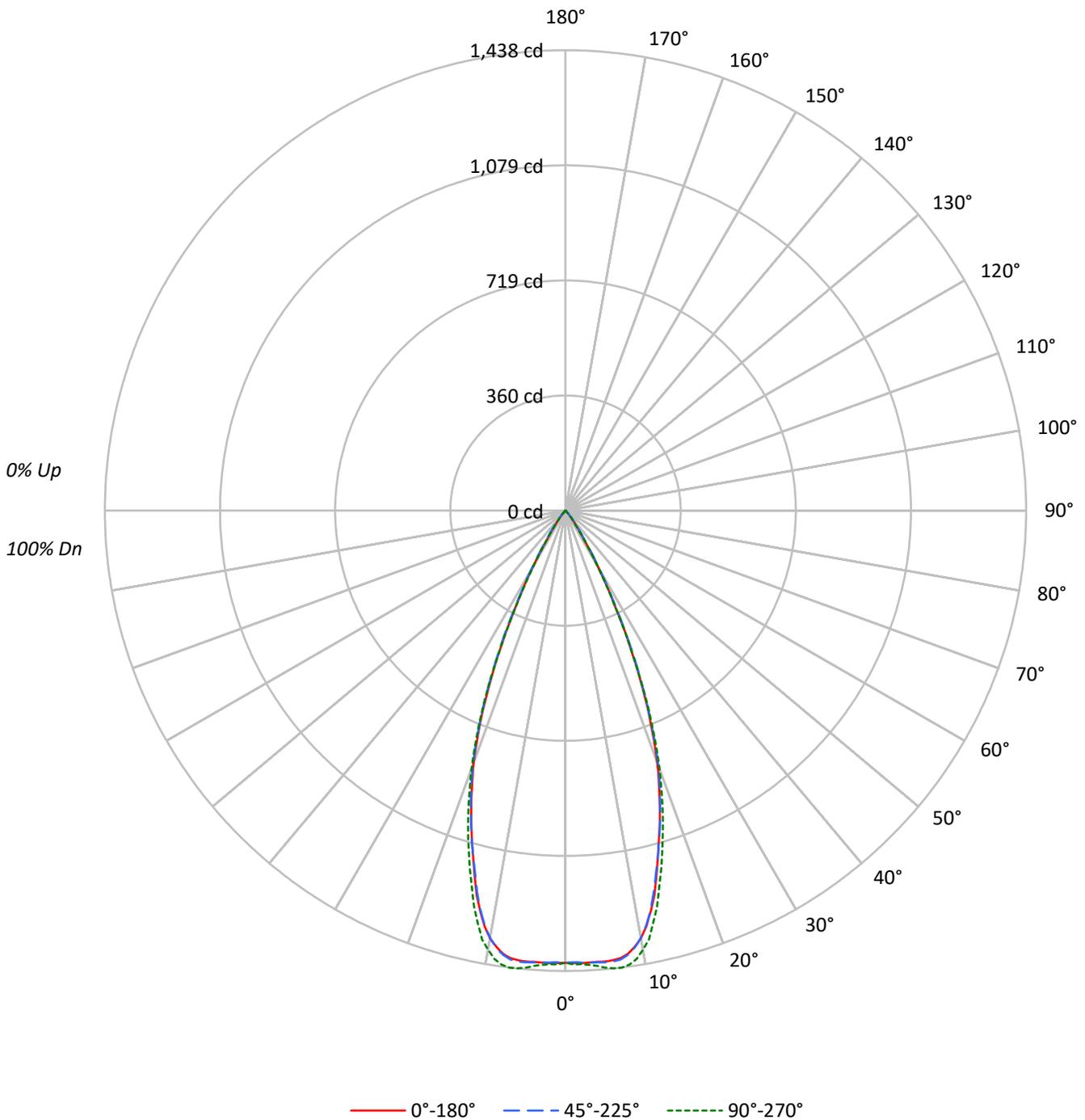
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 731.0 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	243247	243247	243247
5°	244453	244920	247720
10°	237189	237014	243607
15°	198784	198695	205988
20°	153677	155253	157434
25°	94215	96153	94405
30°	40409	42219	39117
35°	12699	15285	12341
40°	4362	5576	4249
45°	779	2363	658
50°	429	857	429
55°	480	480	480
60°	379	379	379
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: 2363 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.2	18.4
10°-20°	310.2	42.4
20°-30°	227.1	31.1
30°-40°	50.2	6.9
40°-50°	6.2	0.8
50°-60°	1.4	0.2
60°-70°	1.0	0.1
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°	671.5	91.9
0°-40°	721.7	98.7
0°-60°	729.3	99.8
0°-90°	731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1412	1412	1412	1412	1412	
5°	1414	1413	1417	1427	1433	134
15°	1115	1109	1114	1141	1155	308
25°	496	495	506	502	497	225
35°	60	64	73	64	59	48
45°	3	5	10	5	3	4
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°	1412.4	1412.4	1412.4	1412.4	1412.4
1°	1413.5	1411.3	1410.8	1414.5	1417.2
2°	1414.5	1411.9	1412.4	1416.2	1417.8
3°	1413.5	1410.8	1413.5	1418.9	1421.0
4°	1412.9	1411.9	1414.5	1422.1	1425.9
5°	1414.0	1412.9	1416.7	1426.9	1432.9
6°	1412.4	1410.8	1416.2	1429.1	1437.7
7°	1408.6	1407.0	1412.9	1428.6	1438.3
8°	1398.4	1395.1	1401.1	1420.5	1432.3
9°	1380.1	1375.7	1381.7	1404.3	1418.3
10°	1356.3	1351.5	1355.3	1377.4	1393.0
11°	1322.4	1315.9	1320.2	1344.0	1364.4
12°	1279.3	1270.1	1275.5	1302.5	1317.0
13°	1232.4	1223.8	1224.9	1249.1	1269.6
14°	1174.2	1162.9	1167.7	1193.1	1209.2
15°	1114.9	1109.0	1114.4	1141.3	1155.3
17.5°	979.1	978.6	983.4	1003.4	1010.9
20°	838.5	840.1	847.1	857.9	859.0
22.5°	672.0	672.5	680.1	687.6	686.0
25°	495.8	495.2	506.0	502.2	496.8
27.5°	328.7	330.9	340.6	333.6	328.2
30°	203.2	207.5	212.3	203.7	196.7
32.5°	109.9	116.9	123.9	116.4	109.4
35°	60.4	63.6	72.7	63.6	58.7
37.5°	35.0	36.6	42.6	36.6	33.4
40°	19.4	22.1	24.8	22.1	18.9
42.5°	8.1	12.4	15.1	12.4	8.1
45°	3.2	5.4	9.7	5.4	2.7
47.5°	1.6	2.2	5.9	2.2	1.6
50°	1.6	1.6	3.2	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°	1.1	1.1	1.1	1.6	1.1
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	1.1	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°	0.0	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)