

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: P1311199

Luminaire Tested: LDSQA3D05R459040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R459040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

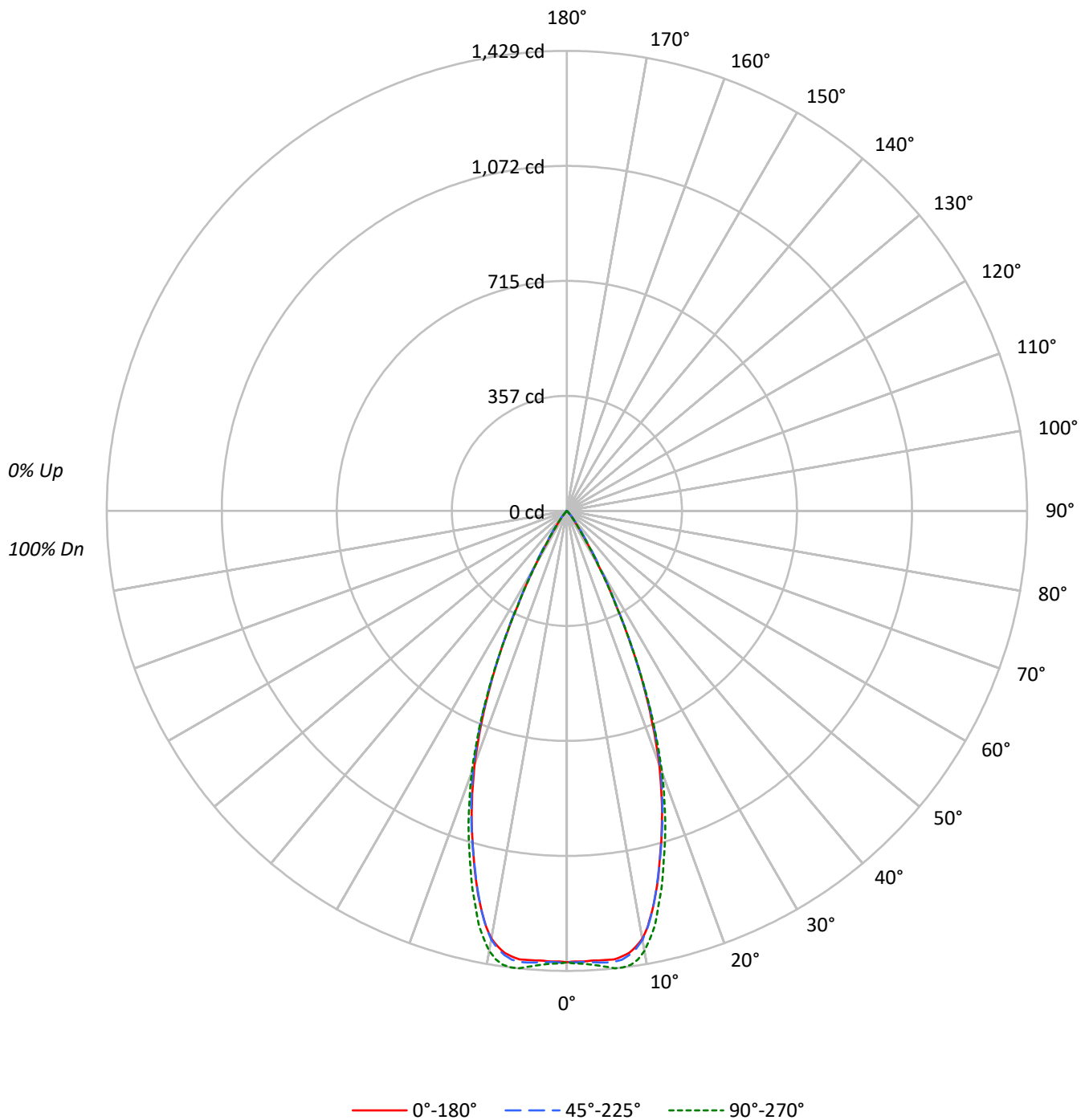
Lumens per Lamp: N/A
Luminaire Lumens: 725.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83	87	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79	84	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75	81	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72	78	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	75	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66	72	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64	70	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	241508	241508	241508
5°	242050	243450	245871
10°	236000	236472	242680
15°	199088	199195	205720
20°	153695	155857	158423
25°	95336	95450	96058
30°	39336	41802	38699
35°	12236	14948	11774
40°	3755	5216	3507
45°	268	1973	268
50°	0	295	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: 1973 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.5	18.4
10°-20°	310.3	42.8
20°-30°	227.6	31.4
30°-40°	48.9	6.7
40°-50°	4.6	0.6
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°	671.4	92.6
0°-40°	720.3	99.4
0°-60°	725.0	100.0
0°-90°	725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1402	1402	1402	1402	1402	
5°	1400	1404	1408	1418	1422	132
15°	1117	1114	1117	1135	1154	307
25°	502	500	502	502	506	225
35°	58	62	71	61	56	46
45°	1	3	8	3	1	3
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1402.3	1402.3	1402.3	1402.3	1402.3
1°	1399.6	1402.8	1402.8	1405.0	1406.0
2°	1400.7	1402.8	1402.3	1406.0	1407.7
3°	1399.0	1402.8	1403.9	1408.2	1410.9
4°	1399.6	1402.8	1406.0	1412.5	1416.3
5°	1400.1	1403.9	1408.2	1417.9	1422.2
6°	1400.7	1403.4	1408.2	1420.6	1428.7
7°	1395.3	1399.0	1404.4	1420.1	1428.7
8°	1386.6	1388.8	1393.1	1413.6	1423.8
9°	1370.5	1369.9	1376.4	1399.0	1410.9
10°	1349.5	1343.0	1352.2	1374.8	1387.7
11°	1315.5	1308.5	1316.6	1340.8	1353.2
12°	1271.3	1271.3	1272.9	1294.5	1316.0
13°	1224.4	1219.0	1222.3	1246.5	1261.6
14°	1172.7	1167.3	1170.5	1188.9	1212.6
15°	1116.6	1114.5	1117.2	1135.0	1153.8
17.5°	983.5	978.7	988.4	1006.2	1015.9
20°	838.6	846.6	850.4	861.7	864.4
22.5°	672.0	680.7	686.0	687.7	689.3
25°	501.7	500.1	502.3	502.3	505.5
27.5°	329.8	329.8	335.7	332.0	328.2
30°	197.8	205.9	210.2	203.2	194.6
32.5°	107.8	115.9	122.9	112.6	105.1
35°	58.2	62.5	71.1	60.9	56.0
37.5°	31.8	35.6	41.0	34.5	31.8
40°	16.7	20.5	23.2	20.5	15.6
42.5°	5.4	10.2	13.5	10.2	4.9
45°	1.1	3.2	8.1	3.2	1.1
47.5°	0.0	0.5	3.8	0.5	0.0
50°	0.0	0.0	1.1	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)