

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: P1312245

Luminaire Tested: LDSQA3D05R309050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

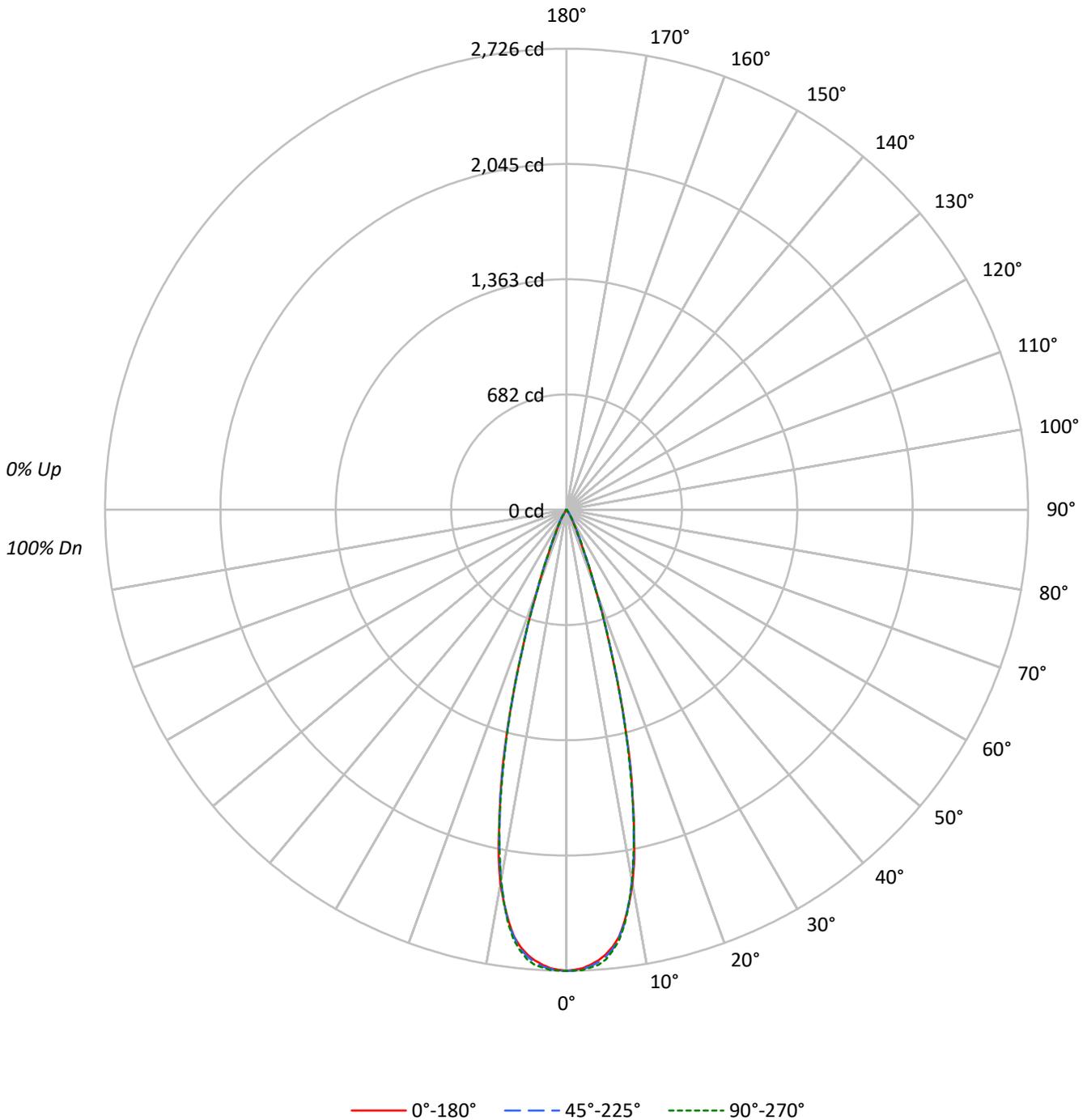
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 708.9 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	469496	469496	469496
5°	456629	458617	461453
10°	392657	389317	389701
15°	241273	239329	239526
20°	91821	92023	90318
25°	29207	30765	29302
30°	11753	14577	12071
35°	3784	6433	3784
40°	1731	2833	1731
45°	658	1193	658
50°	295	589	295
55°	330	330	330
60°	379	379	379
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1193 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.5	33.9
10°-20°	356.7	50.3
20°-30°	88.6	12.5
30°-40°	17.7	2.5
40°-50°	3.2	0.5
50°-60°	1.0	0.1
60°-70°	0.7	0.1
70°-80°	0.5	0.1
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°	685.8	96.7
0°-40°	703.5	99.2
0°-60°	707.7	99.8
0°-90°	708.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	708.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2726	2726	2726	2726	2726	
5°	2641	2650	2653	2657	2669	240
15°	1353	1356	1342	1347	1343	358
25°	154	157	162	160	154	86
35°	18	24	31	23	18	15
45°	3	3	5	4	3	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
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°	2726.1	2726.1	2726.1	2726.1	2726.1
1°	2720.1	2723.4	2725.5	2725.5	2725.5
2°	2712.4	2714.6	2717.9	2718.4	2722.8
3°	2694.4	2699.3	2704.8	2708.0	2710.2
4°	2672.5	2679.1	2682.3	2690.5	2697.7
5°	2641.3	2650.1	2652.8	2656.6	2669.2
6°	2599.2	2605.8	2611.2	2612.9	2620.5
7°	2543.4	2546.7	2545.6	2548.3	2562.0
8°	2458.6	2459.7	2469.0	2463.0	2472.3
9°	2358.0	2353.6	2351.4	2355.8	2356.3
10°	2245.3	2230.5	2226.2	2222.3	2228.4
11°	2099.3	2080.1	2081.8	2080.7	2071.9
12°	1917.7	1915.5	1901.3	1904.0	1917.1
13°	1732.3	1736.1	1733.3	1736.6	1721.9
14°	1558.3	1539.7	1544.6	1526.0	1533.2
15°	1353.2	1355.9	1342.3	1346.6	1343.4
17.5°	866.4	872.4	868.0	864.2	870.2
20°	501.0	500.5	502.1	497.2	492.8
22.5°	263.6	267.5	272.4	272.9	276.2
25°	153.7	157.0	161.9	159.7	154.2
27.5°	94.1	100.1	107.8	102.3	95.7
30°	59.1	64.0	73.3	64.5	60.7
32.5°	33.4	40.5	48.1	40.5	33.4
35°	18.0	23.5	30.6	23.0	18.0
37.5°	12.0	13.7	20.2	13.7	12.0
40°	7.7	9.3	12.6	9.3	7.7
42.5°	4.4	6.0	7.1	6.0	4.4
45°	2.7	3.3	4.9	3.8	2.7
47.5°	1.1	1.6	3.3	1.6	1.6
50°	1.1	1.1	2.2	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
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°	0.0	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)