

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: P1309485

Luminaire Tested: LDSQA3D17R709030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709030DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

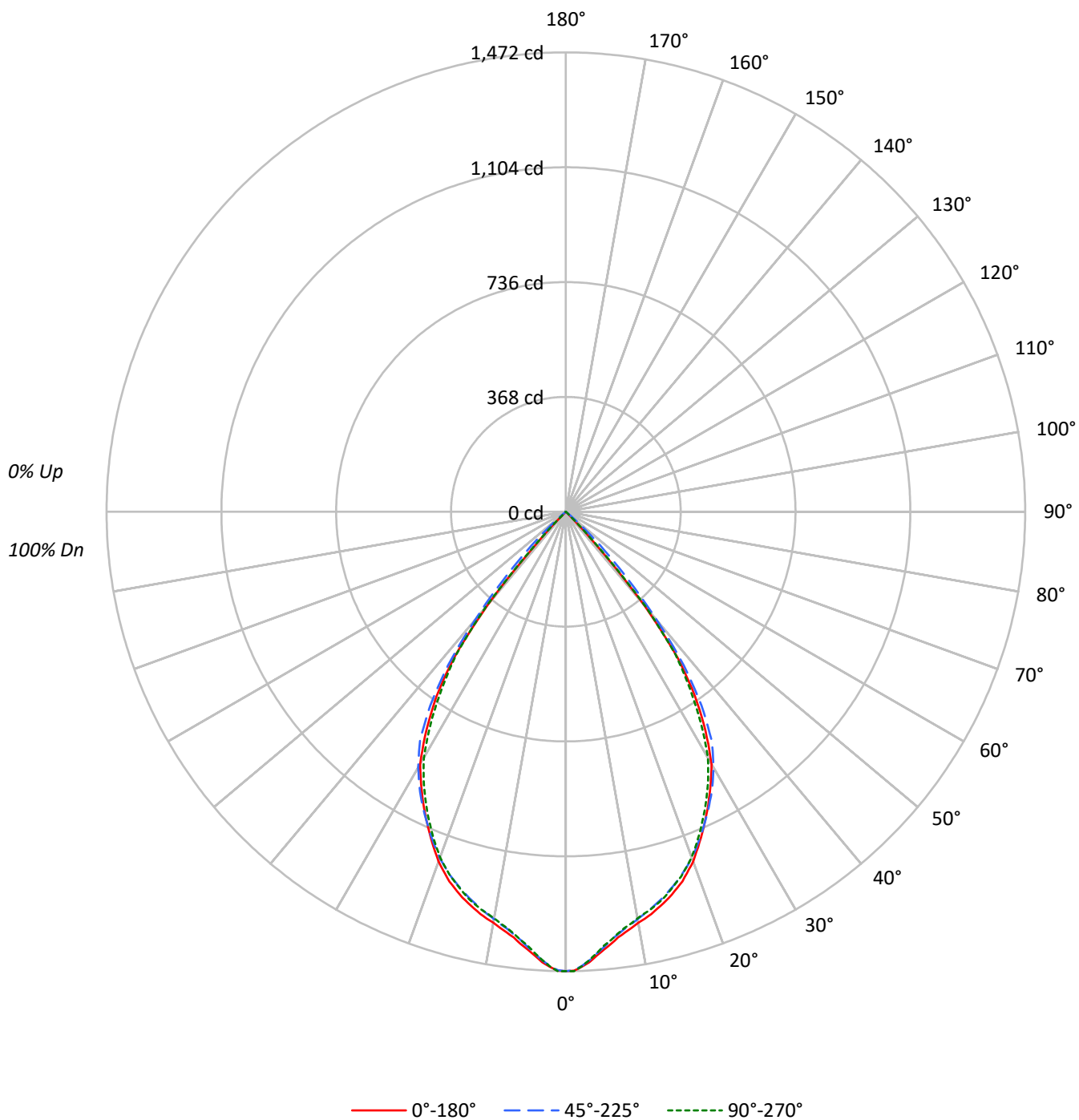
Lumens per Lamp: N/A
Luminaire Lumens: 1523.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	253529	253529	253529
5°	243364	242033	241358
10°	233796	231768	231313
15°	228257	225048	225511
20°	218574	216448	215990
25°	202891	203386	200193
30°	185701	188246	181087
35°	151902	159219	145952
40°	87455	101934	89771
45°	1267	42355	4384
50°	0	4474	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: 42355 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	8.6
10°-20°	355.9	23.4
20°-30°	488.9	32.1
30°-40°	443.3	29.1
40°-50°	103.0	6.8
50°-60°	0.5	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°	976.2	64.1
0°-40°	1419.5	93.2
0°-60°	1523.0	100.0
0°-90°	1523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1523.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1472	1472	1472	1472	1472	
5°	1408	1404	1400	1397	1396	132
15°	1280	1271	1262	1262	1265	359
25°	1068	1073	1070	1060	1054	490
35°	722	733	757	725	694	434
45°	5	58	174	75	18	62
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°	1472.1	1472.1	1472.1	1472.1	1472.1
1°	1470.8	1468.2	1469.5	1470.8	1472.1
2°	1459.2	1456.7	1456.7	1457.9	1457.9
3°	1445.1	1439.9	1439.9	1438.6	1438.6
4°	1425.7	1421.9	1419.3	1418.0	1418.0
5°	1407.7	1403.9	1400.0	1397.4	1396.1
6°	1392.3	1385.8	1380.7	1379.4	1380.7
7°	1374.2	1370.4	1365.2	1361.3	1362.6
8°	1361.3	1356.2	1349.8	1347.2	1347.2
9°	1349.8	1344.6	1338.2	1333.0	1335.6
10°	1336.9	1331.7	1325.3	1321.4	1322.7
11°	1327.9	1321.4	1313.7	1311.1	1312.4
12°	1317.6	1309.8	1302.1	1300.8	1303.4
13°	1304.7	1297.0	1289.2	1289.2	1291.8
14°	1293.1	1284.1	1276.3	1276.3	1280.2
15°	1280.2	1271.2	1262.2	1262.2	1264.8
17.5°	1241.6	1233.8	1224.8	1224.8	1226.1
20°	1192.6	1188.8	1181.0	1177.2	1178.5
22.5°	1130.8	1130.8	1126.9	1120.5	1117.9
25°	1067.7	1072.9	1070.3	1060.0	1053.5
27.5°	1002.0	1011.0	1012.3	996.9	985.3
30°	933.8	941.5	946.6	928.6	910.6
32.5°	833.3	856.5	869.4	844.9	807.5
35°	722.5	732.8	757.3	725.1	694.2
37.5°	587.3	600.2	620.8	595.0	577.0
40°	389.0	440.5	453.4	440.5	399.3
42.5°	140.4	247.3	297.5	252.4	164.9
45°	5.2	58.0	173.9	74.7	18.0
47.5°	0.0	1.3	78.6	2.6	0.0
50°	0.0	0.0	16.7	0.0	0.0
52.5°	0.0	0.0	1.3	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)