

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: P1306960

Luminaire Tested: LDSQA3D09R209024DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209024DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

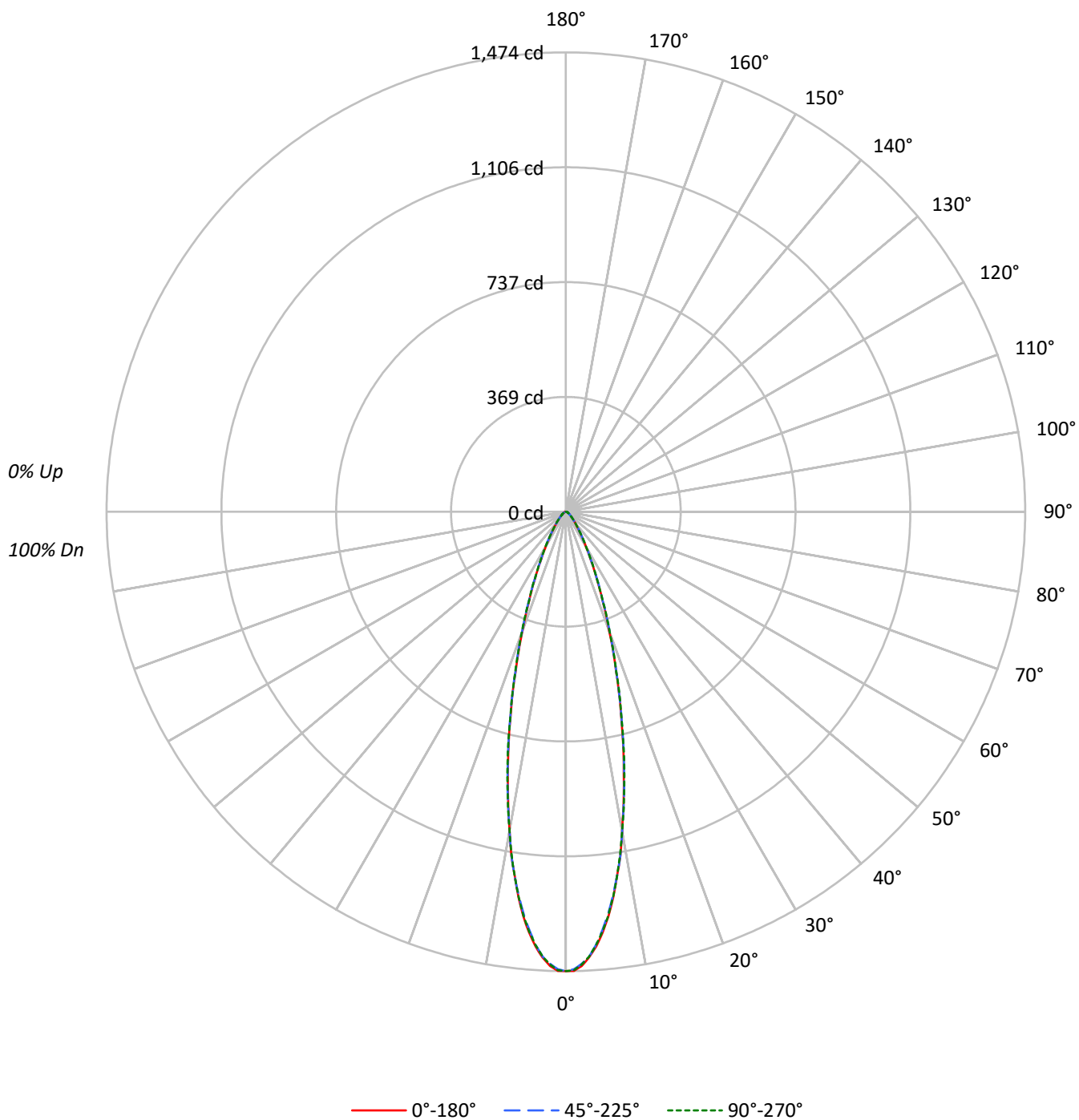
Lumens per Lamp: N/A
Luminaire Lumens: 518.0 lumens
Efficiency: N/A
Efficacy: 46.7 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	253856	253856	253856
5°	234201	232853	233631
10°	181735	181962	181962
15°	122829	123418	123418
20°	74593	75546	75894
25°	43763	44371	44257
30°	25534	26051	26171
35°	15600	16000	16000
40°	10162	10297	10432
45°	7063	7234	7380
50°	5198	5359	5359
55°	4054	4264	4264
60°	3548	3548	3789
65°	3138	3138	3423
70°	2921	2921	2921
75°	2595	2595	2595
80°	1884	1884	2579
85°	1186	1186	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7380 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	22.9
10°-20°	190.3	36.7
20°-30°	110.2	21.3
30°-40°	49.4	9.5
40°-50°	23.4	4.5
50°-60°	12.8	2.5
60°-70°	7.8	1.5
70°-80°	4.2	0.8
80°-90°	0.9	0.2
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°	419.4	81.0
0°-40°	468.9	90.5
0°-60°	505.1	97.5
0°-90°	518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	518.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1474	1474	1474	1474	1474	
5°	1355	1350	1347	1350	1351	119
15°	689	689	692	689	692	190
25°	230	230	234	232	233	109
35°	74	75	76	77	76	48
45°	29	29	30	30	30	23
55°	14	14	14	14	14	12
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1474.0	1474.0	1474.0	1474.0	1474.0
1°	1473.4	1469.5	1468.2	1466.9	1470.8
2°	1458.5	1454.0	1451.4	1452.7	1453.4
3°	1432.1	1429.5	1429.5	1427.6	1428.9
4°	1397.9	1392.7	1392.7	1393.4	1393.4
5°	1354.7	1350.2	1346.9	1349.5	1351.4
6°	1306.3	1300.5	1297.9	1298.5	1303.1
7°	1246.9	1239.2	1240.5	1243.7	1243.7
8°	1179.8	1179.2	1180.5	1179.2	1180.5
9°	1117.9	1108.9	1116.6	1110.2	1113.4
10°	1039.2	1038.6	1040.5	1042.4	1040.5
12.5°	859.9	863.1	864.4	861.8	867.6
15°	688.9	688.9	692.2	688.9	692.2
17.5°	536.1	535.4	538.0	535.4	539.3
20°	407.0	411.6	412.2	412.2	414.1
22.5°	307.1	307.1	309.6	310.3	309.0
25°	230.3	230.3	233.5	231.6	232.9
27.5°	170.3	171.6	174.2	175.5	175.5
30°	128.4	129.0	131.0	131.6	131.6
32.5°	96.8	98.1	99.3	100.0	100.6
35°	74.2	74.8	76.1	76.8	76.1
37.5°	56.8	57.4	58.7	59.3	59.3
40°	45.2	45.2	45.8	46.4	46.4
42.5°	35.5	36.1	36.1	36.8	36.8
45°	29.0	29.0	29.7	29.7	30.3
47.5°	23.2	23.2	23.9	24.5	24.5
50°	19.4	19.4	20.0	20.0	20.0
52.5°	16.1	16.1	16.8	16.8	16.8
55°	13.5	13.5	14.2	14.2	14.2
57.5°	11.6	11.6	12.3	12.3	12.3
60°	10.3	10.3	10.3	10.3	11.0
62.5°	9.0	9.0	9.0	9.0	9.0
65°	7.7	7.7	7.7	7.7	8.4
67.5°	6.5	6.5	6.5	6.5	7.1
70°	5.8	5.8	5.8	5.8	5.8
72.5°	4.5	4.5	4.5	5.2	5.2
75°	3.9	3.9	3.9	3.9	3.9
77.5°	3.2	3.2	3.2	3.2	3.2
80°	1.9	1.9	1.9	2.6	2.6
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.6	0.6	0.6	0.6	1.3
87.5°	0.0	0.0	0.0	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)