

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: P1310168

Luminaire Tested: LDSQA3D09R209035DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310168
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: LDSQA3D09R209035DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

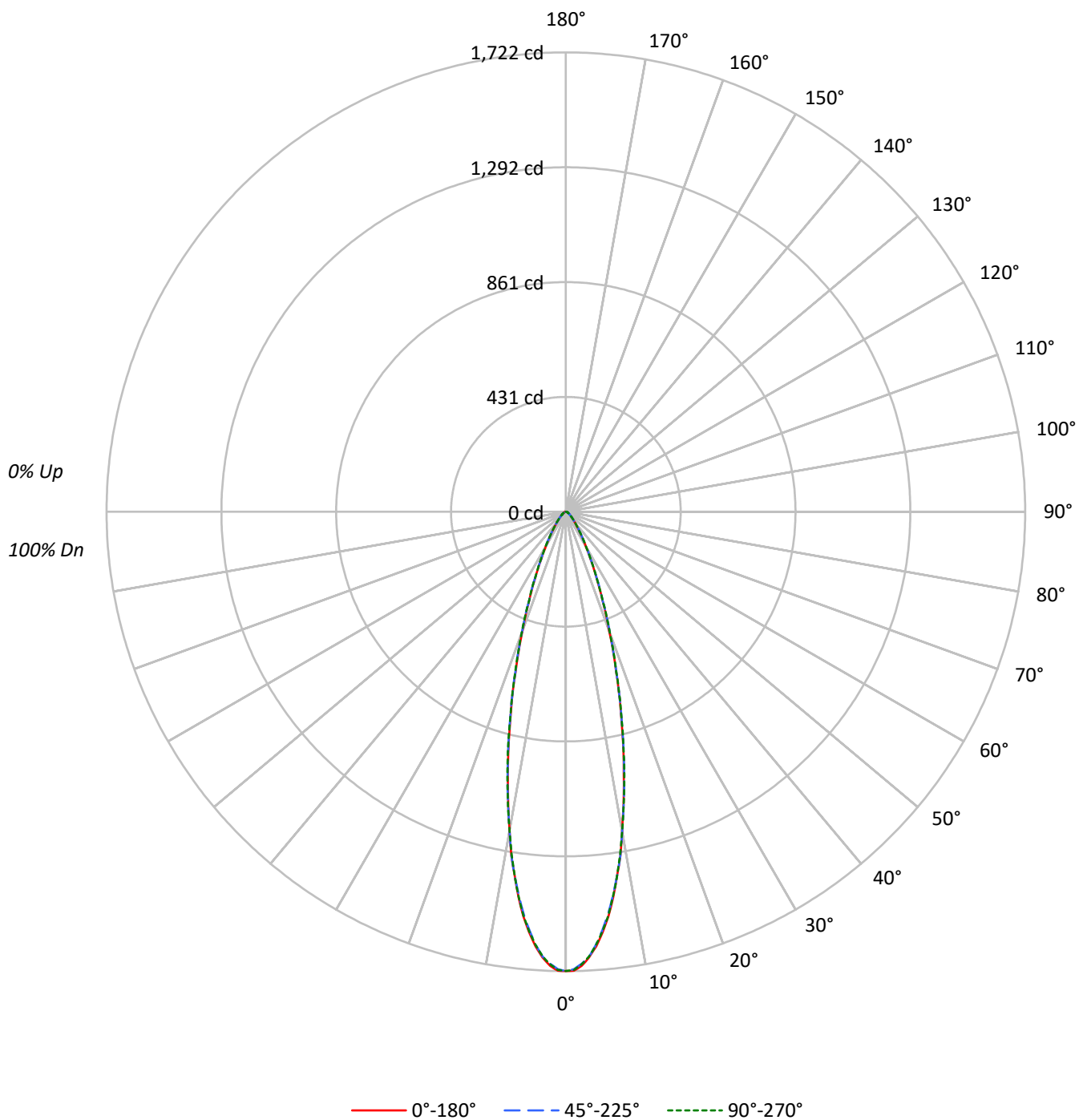
Lumens per Lamp: N/A
Luminaire Lumens: 605.0 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	296498	296498	296498
5°	273532	271958	272875
10°	212269	212531	212531
15°	143476	144136	144136
20°	87129	88229	88650
25°	51117	51820	51687
30°	29810	30407	30566
35°	18207	18691	18691
40°	11848	12028	12185
45°	8257	8452	8622
50°	6055	6270	6270
55°	4744	4984	4984
60°	4168	4168	4409
65°	3668	3668	3994
70°	3424	3424	3424
75°	2994	2994	2994
80°	2281	2281	2975
85°	1581	1581	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8622 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.8	22.9
10°-20°	222.3	36.7
20°-30°	128.7	21.3
30°-40°	57.7	9.5
40°-50°	27.4	4.5
50°-60°	15.0	2.5
60°-70°	9.1	1.5
70°-80°	4.9	0.8
80°-90°	1.1	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°	489.9	81.0
0°-40°	547.6	90.5
0°-60°	590.0	97.5
0°-90°	605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1722	1722	1722	1722	1722	
5°	1582	1577	1573	1576	1578	139
15°	805	805	808	805	808	222
25°	269	269	273	270	272	127
35°	87	87	89	90	89	56
45°	34	34	35	35	35	27
55°	16	16	17	17	17	15
65°	9	9	9	9	10	9
75°	4	4	4	4	4	5
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1721.6	1721.6	1721.6	1721.6	1721.6
1°	1720.8	1716.3	1714.8	1713.3	1717.8
2°	1703.5	1698.2	1695.2	1696.7	1697.5
3°	1672.6	1669.6	1669.6	1667.3	1668.8
4°	1632.7	1626.6	1626.6	1627.4	1627.4
5°	1582.2	1576.9	1573.1	1576.2	1578.4
6°	1525.7	1518.9	1515.9	1516.6	1521.9
7°	1456.4	1447.3	1448.8	1452.6	1452.6
8°	1378.0	1377.3	1378.8	1377.3	1378.8
9°	1305.7	1295.1	1304.2	1296.6	1300.4
10°	1213.8	1213.0	1215.3	1217.5	1215.3
12.5°	1004.3	1008.1	1009.6	1006.6	1013.4
15°	804.7	804.7	808.4	804.7	808.4
17.5°	626.1	625.3	628.4	625.3	629.9
20°	475.4	480.7	481.4	481.4	483.7
22.5°	358.6	358.6	361.6	362.4	360.9
25°	269.0	269.0	272.7	270.5	272.0
27.5°	198.9	200.4	203.4	204.9	204.9
30°	149.9	150.7	152.9	153.7	153.7
32.5°	113.0	114.5	116.0	116.8	117.5
35°	86.6	87.4	88.9	89.7	88.9
37.5°	66.3	67.1	68.6	69.3	69.3
40°	52.7	52.7	53.5	54.2	54.2
42.5°	41.4	42.2	42.2	42.9	42.9
45°	33.9	33.9	34.7	34.7	35.4
47.5°	27.1	27.1	27.9	28.6	28.6
50°	22.6	22.6	23.4	23.4	23.4
52.5°	18.8	18.8	19.6	19.6	19.6
55°	15.8	15.8	16.6	16.6	16.6
57.5°	13.6	13.6	14.3	14.3	14.3
60°	12.1	12.1	12.1	12.1	12.8
62.5°	10.5	10.5	10.5	10.5	10.5
65°	9.0	9.0	9.0	9.0	9.8
67.5°	7.5	7.5	7.5	7.5	8.3
70°	6.8	6.8	6.8	6.8	6.8
72.5°	5.3	5.3	5.3	6.0	6.0
75°	4.5	4.5	4.5	4.5	4.5
77.5°	3.8	3.8	3.8	3.8	3.8
80°	2.3	2.3	2.3	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)