

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: P1312361

Luminaire Tested: LDSQA3D09R209050DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312361
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: LDSQA3D09R209050DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

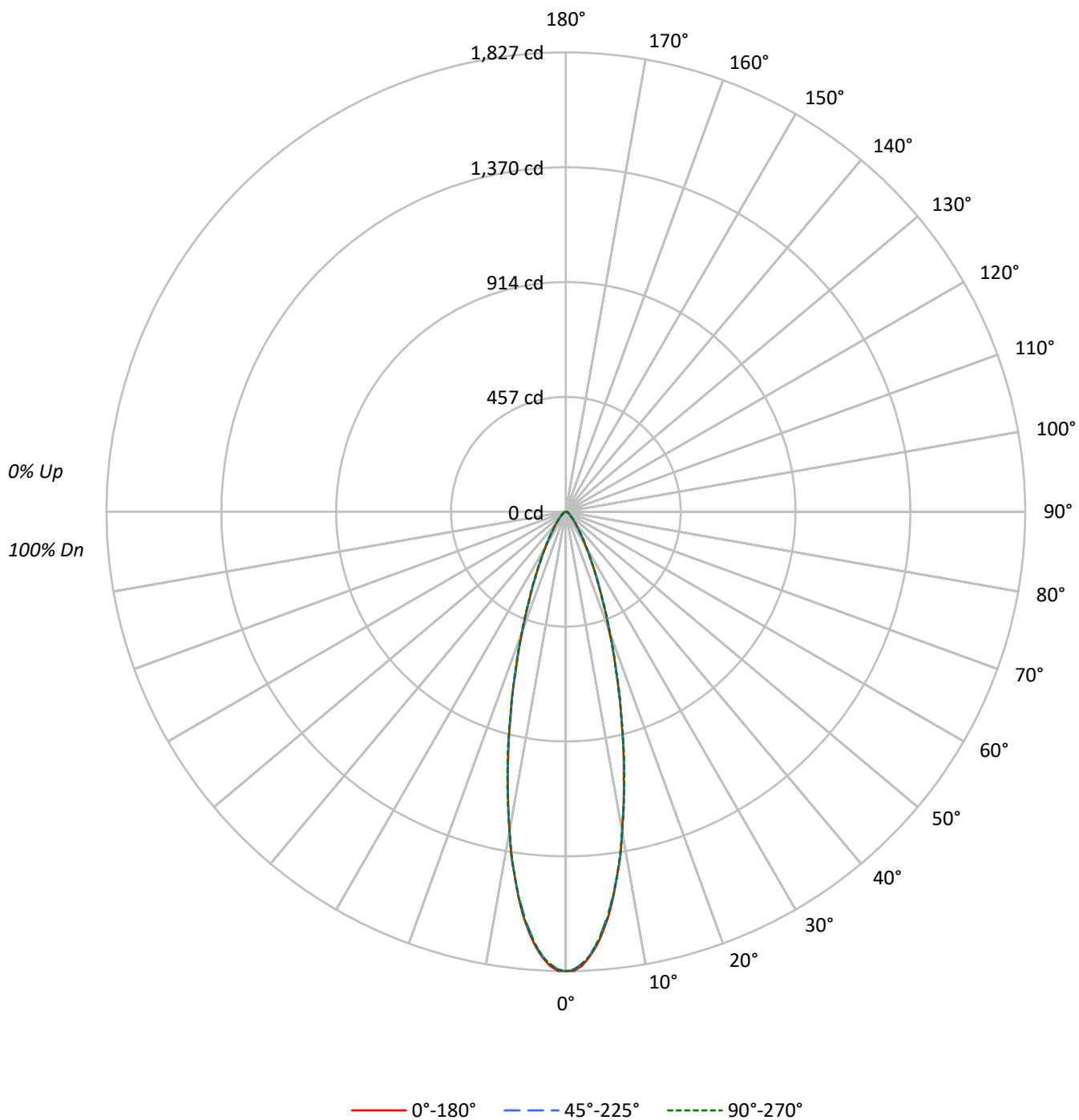
Lumens per Lamp: N/A
Luminaire Lumens: 642.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	314634	314634	314634
5°	290249	288607	289575
10°	225245	225525	225525
15°	152249	152962	152962
20°	92462	93635	94075
25°	54234	54994	54842
30°	31640	32276	32435
35°	19322	19826	19826
40°	12590	12770	12950
45°	8768	8963	9158
50°	6430	6645	6645
55°	5044	5285	5285
60°	4409	4409	4684
65°	3912	3912	4238
70°	3626	3626	3626
75°	3194	3194	3194
80°	2380	2380	3174
85°	1581	1581	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9158 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.3	22.9
10°-20°	235.9	36.7
20°-30°	136.6	21.3
30°-40°	61.3	9.5
40°-50°	29.1	4.5
50°-60°	15.9	2.5
60°-70°	9.7	1.5
70°-80°	5.2	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°	519.8	81.0
0°-40°	581.1	90.5
0°-60°	626.1	97.5
0°-90°	642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1827	1827	1827	1827	1827	
5°	1679	1673	1669	1673	1675	148
15°	854	854	858	854	858	235
25°	285	285	289	287	289	135
35°	92	93	94	95	94	60
45°	36	36	37	37	38	28
55°	17	17	18	18	18	16
65°	10	10	10	10	10	10
75°	5	5	5	5	5	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°	1826.9	1826.9	1826.9	1826.9	1826.9
1°	1826.1	1821.3	1819.7	1818.1	1822.9
2°	1807.7	1802.1	1798.9	1800.5	1801.3
3°	1774.9	1771.7	1771.7	1769.3	1770.9
4°	1732.5	1726.1	1726.1	1726.9	1726.9
5°	1678.9	1673.4	1669.4	1672.6	1675.0
6°	1619.0	1611.8	1608.6	1609.4	1615.0
7°	1545.4	1535.8	1537.4	1541.4	1541.4
8°	1462.3	1461.5	1463.1	1461.5	1463.1
9°	1385.5	1374.3	1383.9	1375.9	1379.9
10°	1288.0	1287.2	1289.6	1292.0	1289.6
12.5°	1065.7	1069.7	1071.3	1068.1	1075.3
15°	853.9	853.9	857.9	853.9	857.9
17.5°	664.4	663.6	666.8	663.6	668.4
20°	504.5	510.1	510.9	510.9	513.3
22.5°	380.6	380.6	383.8	384.6	383.0
25°	285.4	285.4	289.4	287.0	288.6
27.5°	211.1	212.7	215.9	217.5	217.5
30°	159.1	159.9	162.3	163.1	163.1
32.5°	119.9	121.5	123.1	123.9	124.7
35°	91.9	92.7	94.3	95.1	94.3
37.5°	70.4	71.2	72.8	73.6	73.6
40°	56.0	56.0	56.8	57.6	57.6
42.5°	44.0	44.8	44.8	45.6	45.6
45°	36.0	36.0	36.8	36.8	37.6
47.5°	28.8	28.8	29.6	30.4	30.4
50°	24.0	24.0	24.8	24.8	24.8
52.5°	20.0	20.0	20.8	20.8	20.8
55°	16.8	16.8	17.6	17.6	17.6
57.5°	14.4	14.4	15.2	15.2	15.2
60°	12.8	12.8	12.8	12.8	13.6
62.5°	11.2	11.2	11.2	11.2	11.2
65°	9.6	9.6	9.6	9.6	10.4
67.5°	8.0	8.0	8.0	8.0	8.8
70°	7.2	7.2	7.2	7.2	7.2
72.5°	5.6	5.6	5.6	6.4	6.4
75°	4.8	4.8	4.8	4.8	4.8
77.5°	4.0	4.0	4.0	4.0	4.0
80°	2.4	2.4	2.4	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	1.6
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)