

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: P1312349

Luminaire Tested: LDSQA3D09R159050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

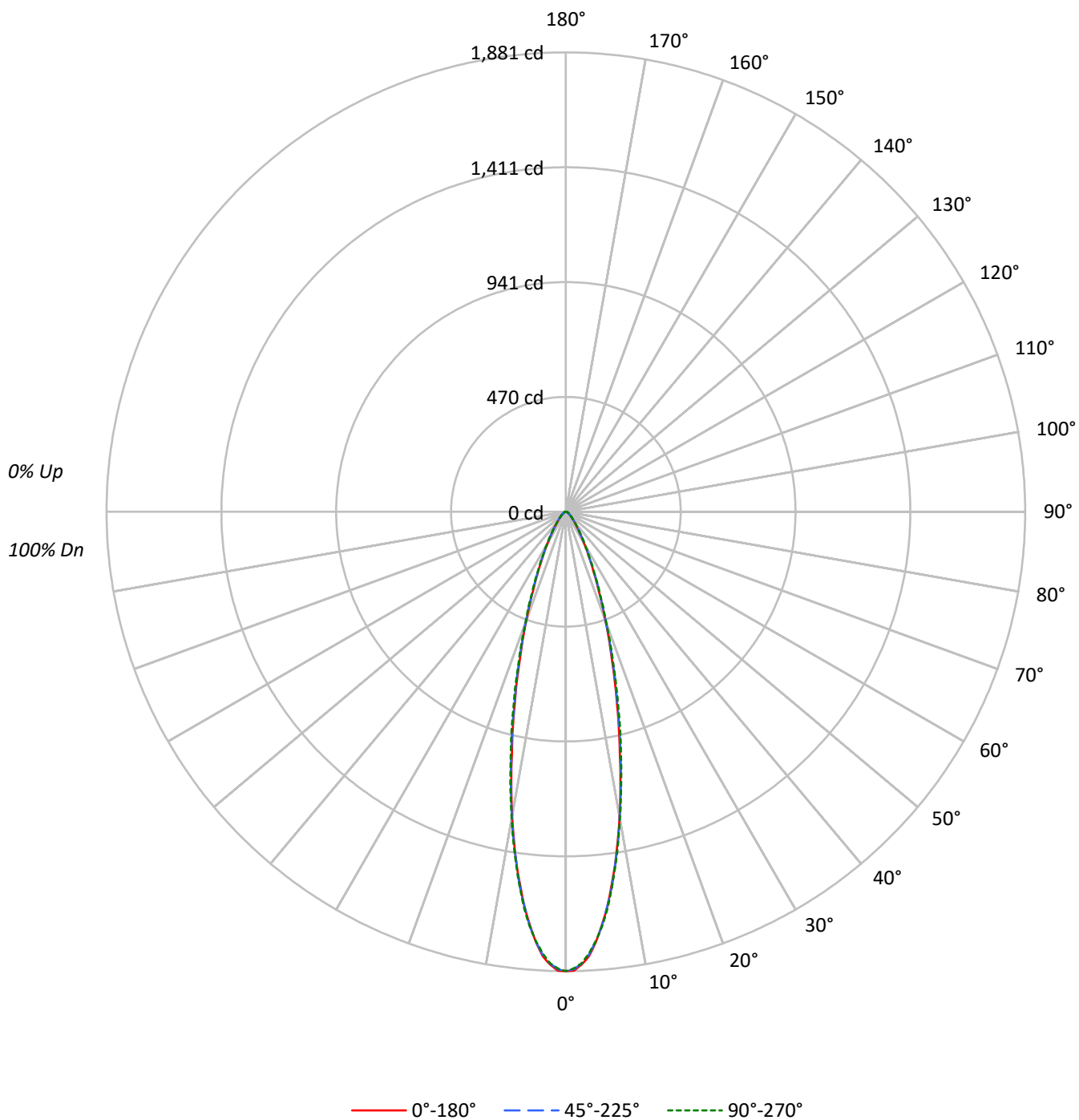
Lumens per Lamp: N/A
Luminaire Lumens: 622.1 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		97	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	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	323934	323934	323934
5°	293413	293966	294381
10°	221520	222079	223199
15°	143690	145259	148094
20°	86506	87532	88705
25°	50547	51611	52352
30°	29711	30645	31122
35°	18312	18985	19300
40°	12028	12388	12567
45°	8354	8549	8744
50°	6216	6430	6645
55°	5044	5285	5285
60°	4409	4409	4409
65°	3912	3912	3912
70°	3223	3626	3626
75°	3194	3194	3194
80°	2380	3174	3174
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 8744 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.2	23.8
10°-20°	226.5	36.4
20°-30°	128.8	20.7
30°-40°	58.7	9.4
40°-50°	28.2	4.5
50°-60°	15.8	2.5
60°-70°	9.7	1.6
70°-80°	5.1	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°	503.5	80.9
0°-40°	562.2	90.4
0°-60°	606.2	97.4
0°-90°	622.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	622.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1881	1881	1881	1881	1881	
5°	1697	1696	1700	1700	1703	148
15°	806	810	815	826	831	224
25°	266	266	272	274	276	126
35°	87	89	90	92	92	57
45°	34	34	35	36	36	27
55°	17	17	18	18	18	15
65°	10	10	10	10	10	9
75°	5	5	5	5	5	5
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°	1880.9	1880.9	1880.9	1880.9	1880.9
1°	1879.3	1874.5	1872.9	1872.1	1870.5
2°	1855.3	1851.3	1850.5	1850.5	1849.7
3°	1821.8	1814.6	1815.4	1813.0	1810.6
4°	1765.1	1761.9	1763.5	1765.1	1761.9
5°	1697.2	1696.4	1700.4	1700.4	1702.8
6°	1626.9	1626.1	1623.7	1630.1	1633.3
7°	1537.5	1542.2	1548.6	1545.4	1547.8
8°	1456.0	1450.4	1452.8	1460.8	1461.6
9°	1360.1	1356.2	1366.5	1369.7	1370.5
10°	1266.7	1270.7	1269.9	1281.1	1276.3
12.5°	1023.1	1029.5	1036.7	1041.5	1046.3
15°	805.9	809.9	814.7	825.8	830.6
17.5°	619.8	624.6	629.4	638.9	640.5
20°	472.0	474.4	477.6	486.4	484.0
22.5°	353.0	357.0	360.2	364.2	366.6
25°	266.0	266.0	271.6	273.9	275.5
27.5°	198.1	199.7	203.7	206.9	206.1
30°	149.4	151.7	154.1	155.7	156.5
32.5°	115.0	115.0	117.4	119.8	120.6
35°	87.1	88.7	90.3	91.8	91.8
37.5°	67.9	68.7	70.3	71.1	71.1
40°	53.5	53.5	55.1	55.9	55.9
42.5°	42.3	43.1	43.9	44.7	44.7
45°	34.3	34.3	35.1	35.9	35.9
47.5°	28.0	28.0	28.8	29.6	29.6
50°	23.2	24.0	24.0	24.8	24.8
52.5°	20.0	20.0	20.0	20.8	20.8
55°	16.8	16.8	17.6	17.6	17.6
57.5°	14.4	14.4	14.4	15.2	15.2
60°	12.8	12.8	12.8	12.8	12.8
62.5°	11.2	11.2	11.2	11.2	11.2
65°	9.6	9.6	9.6	9.6	9.6
67.5°	8.0	8.0	8.0	8.8	8.8
70°	6.4	7.2	7.2	7.2	7.2
72.5°	5.6	5.6	5.6	5.6	5.6
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	3.2	3.2	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	0.8
87.5°	0.0	0.0	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)