

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: P1317351

Luminaire Tested: LDSQA3D09R359827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317351  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

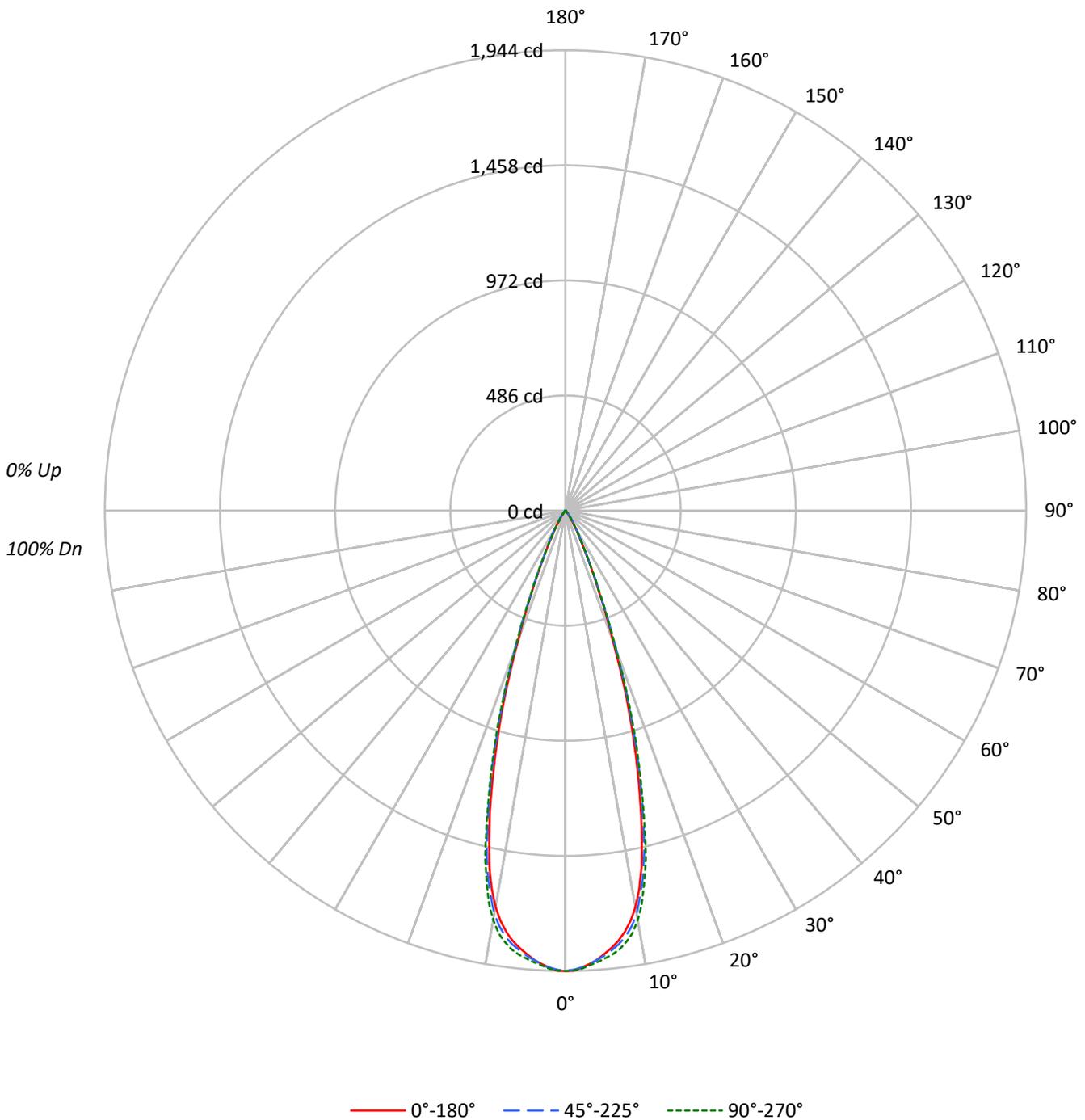
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 652.9 lumens  
Efficiency: N/A  
Efficacy: 59.4 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	80	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	334801	334801	334801
5°	324894	326035	328231
10°	297190	302367	307001
15°	213334	221143	223407
20°	107308	113558	113851
25°	40666	41920	42129
30°	16526	18952	16208
35°	5992	9104	5782
40°	2518	3889	2406
45°	609	1607	609
50°	402	670	402
55°	450	450	450
60°	517	517	517
65°	408	408	408
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1607 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.8	26.9
10°-20°	327.4	50.1
20°-30°	117.8	18.0
30°-40°	24.7	3.8
40°-50°	4.2	0.7
50°-60°	1.4	0.2
60°-70°	1.0	0.2
70°-80°	0.5	0.1
80°-90°	0.1	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°	621.0	95.1
0°-40°	645.7	98.9
0°-60°	651.3	99.8
0°-90°	652.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	652.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1944	1944	1944	1944	1944	
5°	1879	1883	1886	1899	1899	174
15°	1196	1217	1240	1254	1253	318
25°	214	217	221	223	222	114
35°	28	34	43	33	28	22
45°	2	4	7	4	2	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
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°	1944.0	1944.0	1944.0	1944.0	1944.0
1°	1943.0	1943.0	1938.9	1943.5	1942.0
2°	1932.3	1933.3	1930.7	1936.3	1935.8
3°	1917.5	1920.0	1918.0	1926.2	1923.6
4°	1901.7	1903.7	1902.7	1912.9	1911.9
5°	1879.3	1882.8	1885.9	1898.6	1898.6
6°	1856.3	1859.9	1866.5	1880.3	1884.9
7°	1829.8	1834.4	1845.1	1863.5	1866.5
8°	1796.2	1801.3	1816.1	1836.0	1840.0
9°	1754.4	1762.1	1778.9	1802.8	1805.4
10°	1699.4	1705.5	1729.0	1748.8	1755.5
11°	1628.1	1633.2	1654.0	1686.1	1690.2
12°	1541.4	1547.5	1574.6	1595.4	1599.5
13°	1431.9	1443.6	1476.2	1496.6	1507.8
14°	1319.3	1335.1	1358.5	1387.5	1380.4
15°	1196.5	1217.4	1240.3	1253.5	1253.0
17.5°	895.3	907.5	927.9	935.6	945.8
20°	585.5	601.3	619.6	626.8	621.2
22.5°	363.3	367.4	373.0	376.1	375.0
25°	214.0	217.1	220.6	222.7	221.7
27.5°	128.9	136.1	141.1	135.0	131.5
30°	83.1	86.1	95.3	87.1	81.5
32.5°	49.4	56.6	64.2	54.5	47.4
35°	28.5	33.6	43.3	33.1	27.5
37.5°	18.3	20.9	28.0	20.4	17.8
40°	11.2	14.3	17.3	13.2	10.7
42.5°	5.6	8.7	10.2	7.6	5.6
45°	2.5	4.1	6.6	4.1	2.5
47.5°	1.5	2.0	4.1	2.0	1.5
50°	1.5	1.5	2.5	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	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)