

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: P1326745

Luminaire Tested: LDSQA3D09R40W2N902765DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R40W2N902765DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

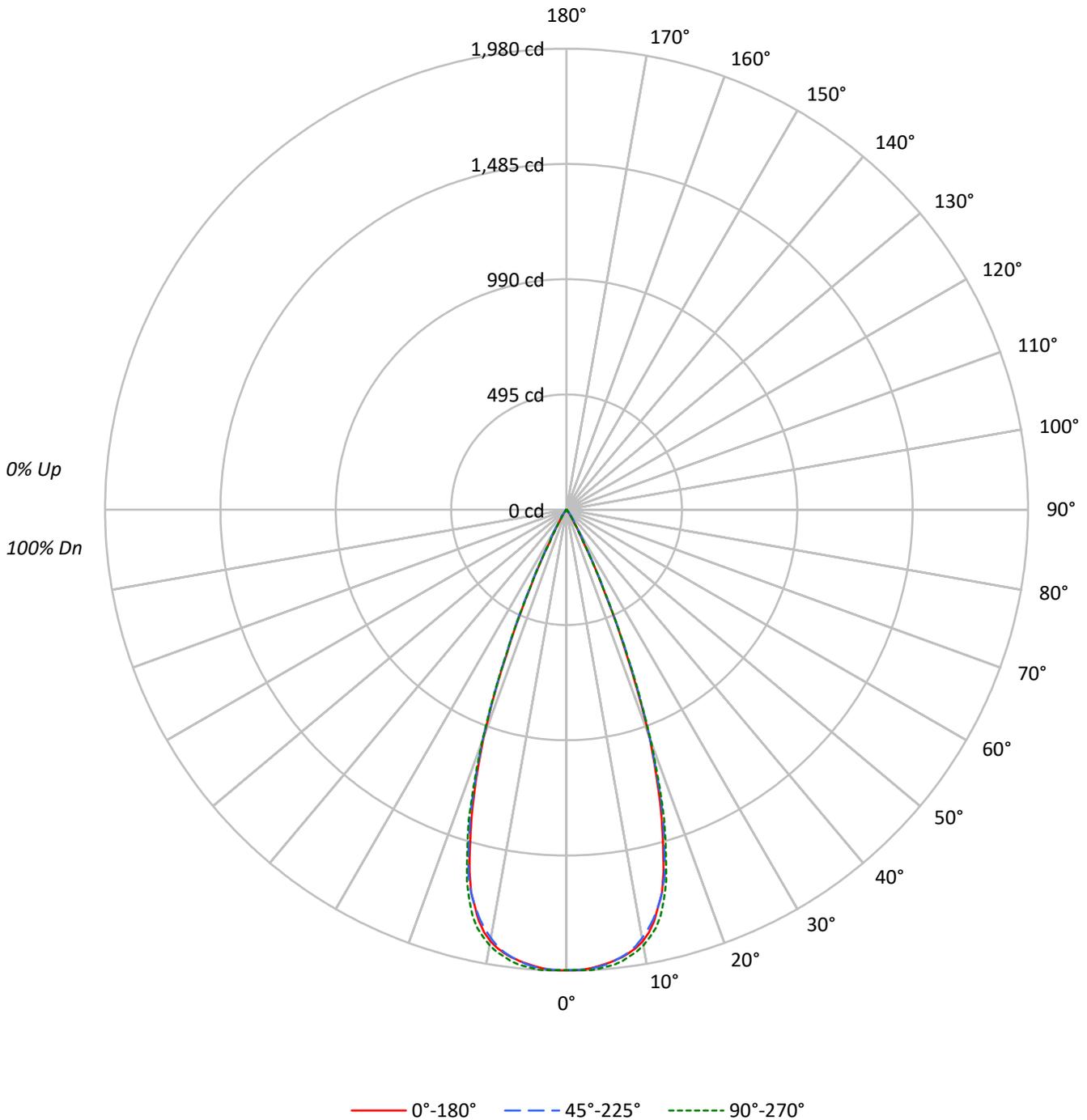
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 837.1 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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	0
RW	70	50	30	10	70	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	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	340605	340605	340605
5°	338344	338846	340678
10°	329176	326710	332166
15°	286810	289752	294263
20°	191046	192018	193851
25°	69455	71583	69797
30°	14756	19787	14756
35°	5193	8788	4941
40°	1844	2788	1844
45°	438	1145	438
50°	322	482	322
55°	360	360	360
60°	413	413	413
65°	245	489	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1145 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.8	22.1
10°-20°	430.7	51.4
20°-30°	193.8	23.2
30°-40°	22.1	2.6
40°-50°	3.2	0.4
50°-60°	1.1	0.1
60°-70°	0.9	0.1
70°-80°	0.6	0.1
80°-90°	0.0	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°	809.3	96.7
0°-40°	831.3	99.3
0°-60°	835.6	99.8
0°-90°	837.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	837.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1978	1978	1978	1978	1978	
5°	1957	1955	1960	1969	1971	185
15°	1609	1613	1625	1638	1650	427
25°	366	368	377	377	367	189
35°	25	28	42	26	24	18
45°	2	3	5	3	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1977.7	1977.7	1977.7	1977.7	1977.7
1°	1978.8	1977.1	1976.5	1980.0	1977.1
2°	1977.1	1975.9	1976.5	1980.0	1977.7
3°	1971.8	1972.4	1974.1	1980.6	1980.0
4°	1965.3	1964.7	1968.2	1976.5	1976.5
5°	1957.1	1954.7	1960.0	1968.8	1970.6
6°	1947.6	1944.7	1948.8	1960.0	1964.1
7°	1937.0	1931.2	1934.7	1948.2	1953.5
8°	1922.9	1915.3	1919.4	1932.9	1937.0
9°	1905.3	1893.5	1897.0	1913.5	1921.7
10°	1882.3	1867.6	1868.2	1886.4	1899.4
11°	1849.9	1833.5	1834.0	1857.0	1870.5
12°	1807.0	1792.3	1795.2	1816.4	1838.2
13°	1748.7	1744.6	1748.1	1771.1	1791.1
14°	1692.2	1688.1	1694.5	1715.7	1725.2
15°	1608.6	1612.7	1625.1	1638.0	1650.4
17.5°	1343.7	1359.6	1374.4	1383.2	1393.8
20°	1042.4	1024.1	1047.7	1037.1	1057.7
22.5°	672.8	686.3	692.2	686.3	688.6
25°	365.5	367.9	376.7	376.7	367.3
27.5°	155.4	167.7	178.9	174.8	155.4
30°	74.2	85.3	99.5	85.9	74.2
32.5°	41.8	49.4	64.2	48.3	40.6
35°	24.7	27.7	41.8	26.5	23.5
37.5°	14.7	15.3	23.0	15.9	14.1
40°	8.2	10.0	12.4	10.0	8.2
42.5°	4.1	5.9	7.7	5.9	4.1
45°	1.8	2.9	4.7	2.9	1.8
47.5°	1.8	1.8	2.9	1.8	1.8
50°	1.2	1.2	1.8	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	0.6	1.2	1.2	1.2	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	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)