

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: P1319129

Luminaire Tested: LDSQA3D09R459835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319129
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

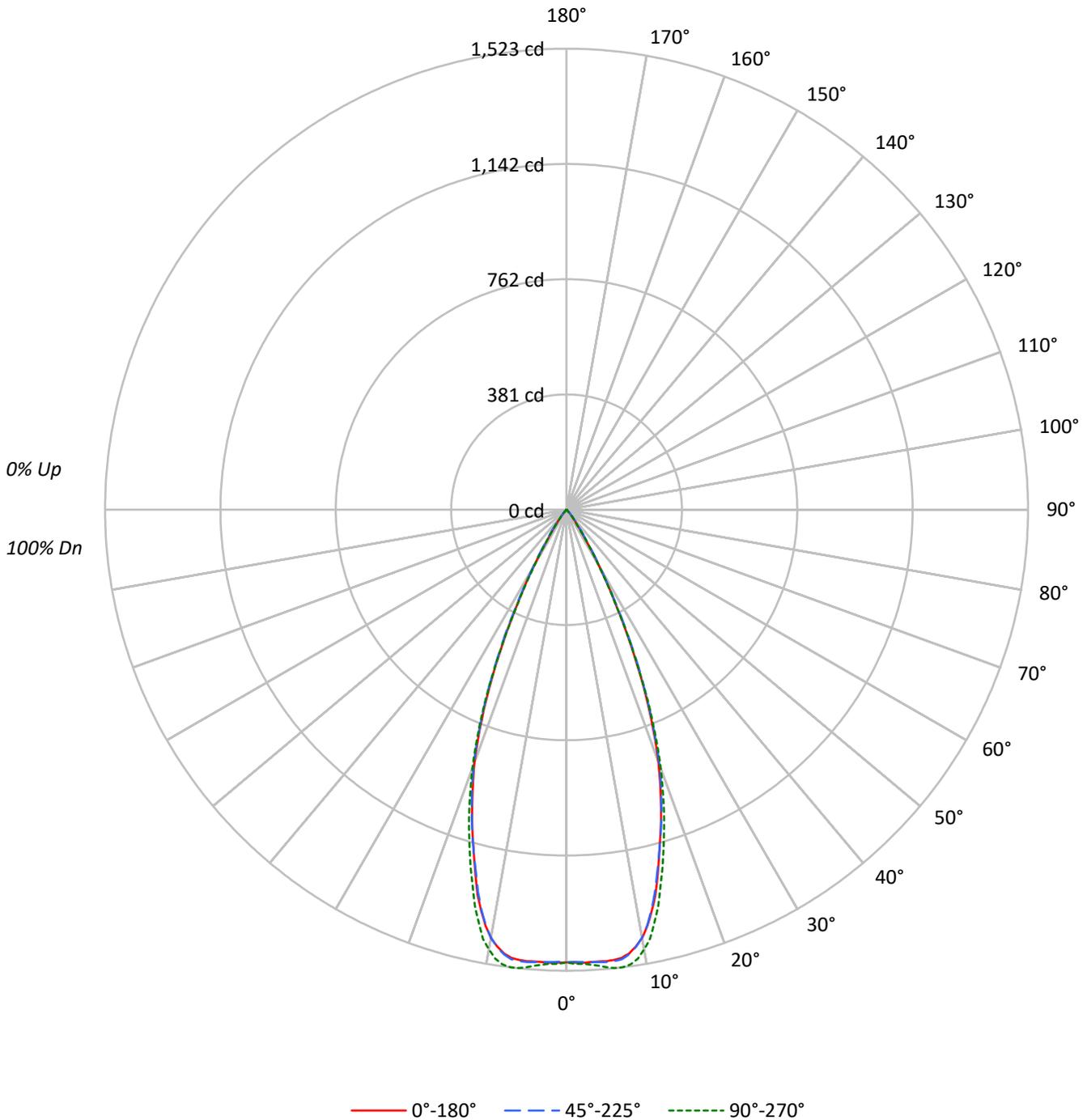
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 774.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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_{in}): 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

TEST NUMBER: P1319129
CATALOG NUMBER: LDSQA3D09R459835DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1319129

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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	257559	257559	257559
5°	258837	259321	262294
10°	251144	250952	257930
15°	210481	210374	218112
20°	162712	164380	166689
25°	99745	101816	99973
30°	42776	44705	41424
35°	13435	16189	13077
40°	4609	5890	4496
45°	828	2509	706
50°	455	911	455
55°	510	510	510
60°	379	379	379
65°	448	448	448
70°	302	302	302
75°	399	399	399
80°	595	595	595
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2509 cd/sqm



TEST NUMBER: P1319129

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	18.4
10°-20°	328.4	42.4
20°-30°	240.5	31.1
30°-40°	53.1	6.9
40°-50°	6.5	0.8
50°-60°	1.5	0.2
60°-70°	1.1	0.1
70°-80°	0.7	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°	711.0	91.9
0°-40°	764.2	98.7
0°-60°	772.2	99.8
0°-90°	774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	774.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1496	1496	1496	1496	1496	
5°	1497	1496	1500	1511	1517	141
15°	1180	1174	1180	1208	1223	326
25°	525	524	536	532	526	238
35°	64	67	77	67	62	50
45°	3	6	10	6	3	5
55°	2	2	2	2	2	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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CATALOG NUMBER: LDSQA3D09R459835DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1495.5	1495.5	1495.5	1495.5	1495.5
1°	1496.6	1494.3	1493.8	1497.8	1500.6
2°	1497.8	1494.9	1495.5	1499.5	1501.2
3°	1496.6	1493.8	1496.6	1502.3	1504.6
4°	1496.0	1494.9	1497.8	1505.7	1509.7
5°	1497.2	1496.0	1500.0	1510.9	1517.2
6°	1495.5	1493.8	1499.5	1513.2	1522.3
7°	1491.5	1489.8	1496.0	1512.6	1522.9
8°	1480.6	1477.2	1483.5	1504.0	1516.6
9°	1461.2	1456.7	1463.0	1486.9	1501.8
10°	1436.1	1431.0	1435.0	1458.4	1474.9
11°	1400.2	1393.3	1397.9	1423.0	1444.7
12°	1354.5	1344.8	1350.5	1379.1	1394.5
13°	1304.9	1295.8	1296.9	1322.6	1344.3
14°	1243.3	1231.3	1236.4	1263.3	1280.4
15°	1180.5	1174.2	1179.9	1208.5	1223.3
17.5°	1036.7	1036.2	1041.3	1062.4	1070.4
20°	887.8	889.5	896.9	908.4	909.5
22.5°	711.5	712.1	720.1	728.1	726.3
25°	524.9	524.4	535.8	531.8	526.1
27.5°	348.0	350.3	360.6	353.2	347.5
30°	215.1	219.7	224.8	215.7	208.3
32.5°	116.4	123.8	131.2	123.2	115.8
35°	63.9	67.3	77.0	67.3	62.2
37.5°	37.1	38.8	45.1	38.8	35.4
40°	20.5	23.4	26.2	23.4	20.0
42.5°	8.6	13.1	16.0	13.1	8.6
45°	3.4	5.7	10.3	5.7	2.9
47.5°	1.7	2.3	6.3	2.3	1.7
50°	1.7	1.7	3.4	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.1	1.1	1.1	1.7	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.6	0.6	0.6	1.1	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°	0.6	0.6	0.6	0.6	0.6
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



TEST NUMBER: P1319129
CATALOG NUMBER: LDSQA3D09R459835DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)