

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: P1317532

Luminaire Tested: LDSQA3D13R509827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

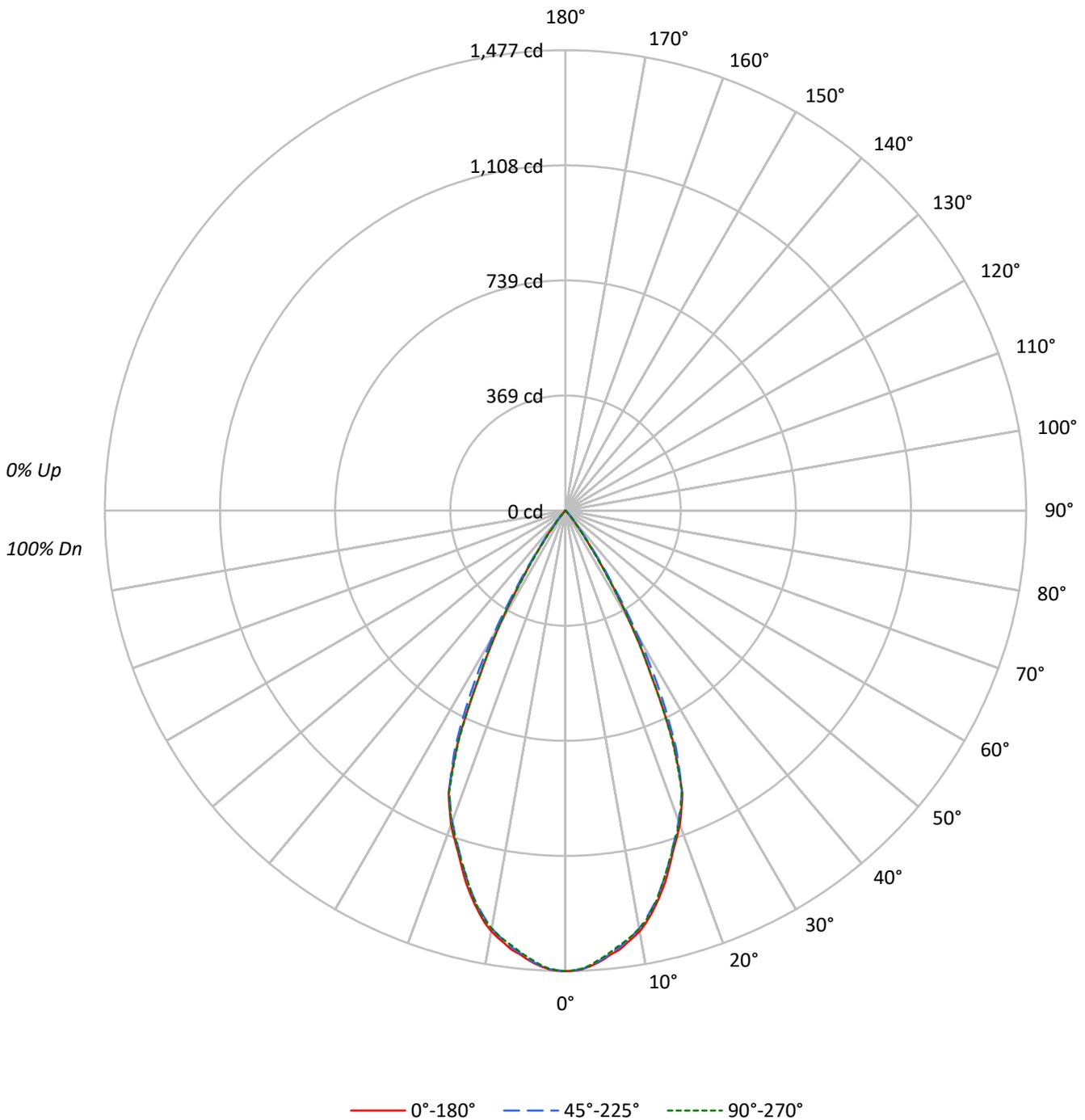
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 952.1 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	254407	254407	254407
5°	249432	248965	248256
10°	239672	238011	238133
15°	220020	217969	217720
20°	196563	194455	195445
25°	154492	158976	153199
30°	82649	92592	82927
35°	26995	31537	25440
40°	6677	8363	6385
45°	828	2971	828
50°	536	911	536
55°	601	601	601
60°	482	482	482
65°	571	571	571
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2971 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	14.2
10°-20°	341.6	35.9
20°-30°	359.3	37.7
30°-40°	103.5	10.9
40°-50°	8.4	0.9
50°-60°	1.8	0.2
60°-70°	1.3	0.1
70°-80°	0.7	0.1
80°-90°	0.2	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°	836.0	87.8
0°-40°	939.6	98.7
0°-60°	949.8	99.8
0°-90°	952.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	952.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1477	1477	1477	1477	1477	
5°	1443	1442	1440	1441	1436	135
15°	1234	1226	1222	1222	1221	344
25°	813	833	837	827	806	352
35°	128	133	150	128	121	99
45°	3	7	12	7	3	6
55°	2	2	2	2	2	2
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°	1477.2	1477.2	1477.2	1477.2	1477.2
1°	1476.6	1477.9	1475.2	1479.9	1475.9
2°	1473.2	1473.9	1472.5	1475.9	1470.5
3°	1465.1	1466.4	1463.7	1466.4	1461.7
4°	1455.6	1455.6	1452.9	1454.9	1448.9
5°	1442.8	1442.1	1440.1	1441.4	1436.0
6°	1429.3	1428.6	1425.2	1425.2	1421.2
7°	1419.1	1414.4	1411.7	1411.0	1407.0
8°	1402.9	1401.6	1396.1	1396.1	1393.4
9°	1386.7	1385.3	1379.3	1380.6	1378.6
10°	1370.5	1365.7	1361.0	1361.7	1361.7
11°	1348.8	1344.8	1338.0	1340.7	1342.1
12°	1323.2	1318.4	1312.4	1317.8	1317.1
13°	1294.8	1290.7	1286.0	1290.1	1288.7
14°	1265.0	1259.0	1254.9	1257.6	1256.3
15°	1234.0	1225.9	1222.5	1222.5	1221.1
17.5°	1146.8	1142.1	1138.7	1136.7	1141.4
20°	1072.5	1068.4	1061.0	1063.0	1066.4
22.5°	979.2	978.5	974.5	971.1	975.1
25°	813.0	833.2	836.6	827.1	806.2
27.5°	590.6	637.9	654.8	632.5	594.0
30°	415.6	437.9	465.6	421.7	417.0
32.5°	250.7	256.8	282.5	252.1	245.3
35°	128.4	133.1	150.0	128.4	121.0
37.5°	60.1	62.8	69.6	60.1	56.1
40°	29.7	33.1	37.2	31.1	28.4
42.5°	12.8	16.9	21.6	16.2	11.5
45°	3.4	6.8	12.2	6.8	3.4
47.5°	2.0	2.7	6.8	2.7	2.0
50°	2.0	2.0	3.4	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	1.4	2.0	1.4	2.0	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.7	0.0	0.7	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)