

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: P1320169

Luminaire Tested: LDSQA3D13R559840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R559840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

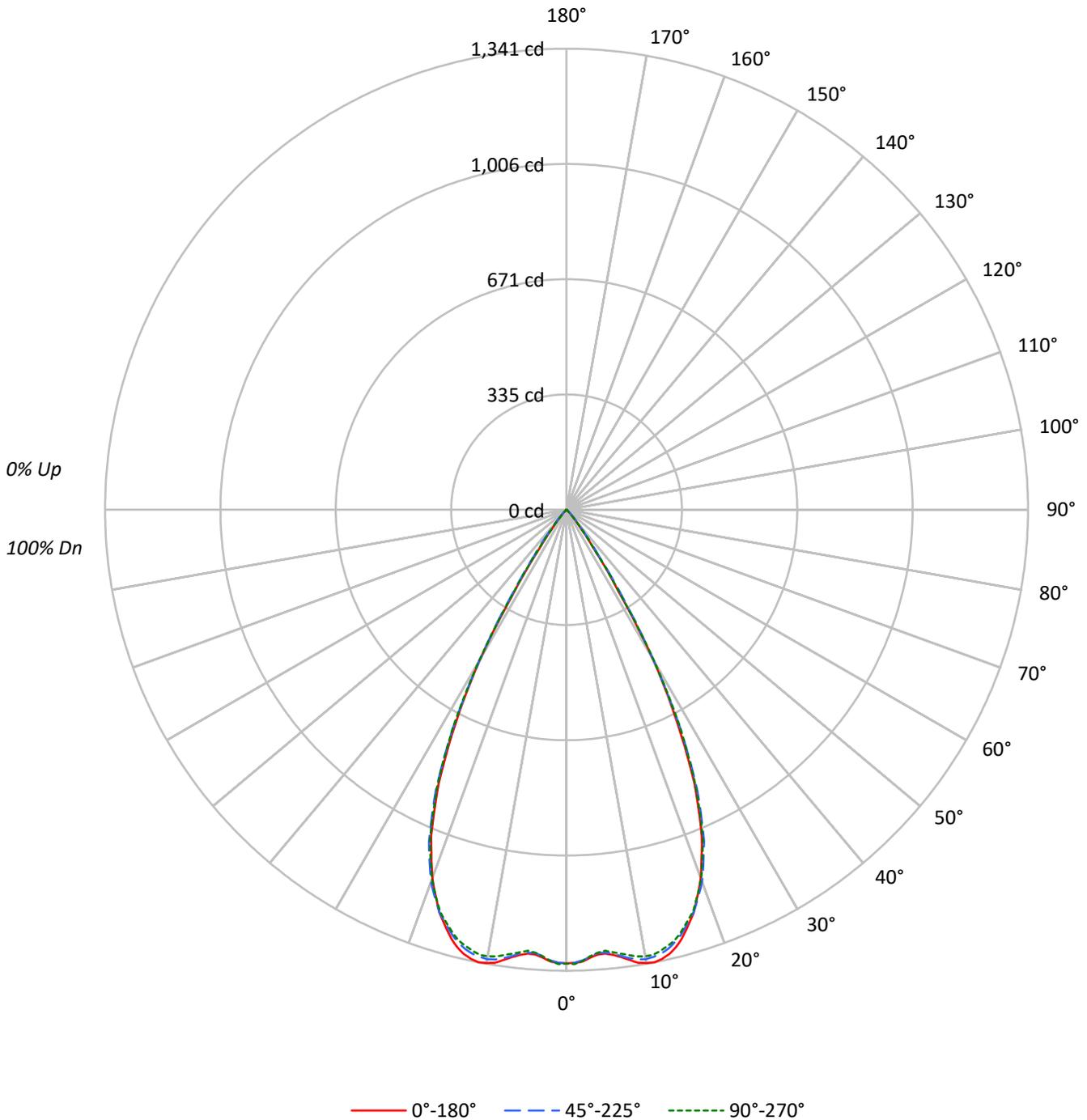
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1012.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	227282	227282	227282
5°	224019	223621	222566
10°	234146	232135	230649
15°	230486	228435	227473
20°	209007	211115	209576
25°	167128	170644	169029
30°	100228	100228	101461
35°	28951	34291	29939
40°	8296	11241	8296
45°	1875	4311	1875
50°	831	1447	616
55°	691	691	691
60°	792	792	792
65°	611	611	611
70°	755	755	755
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4311 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	12.4
10°-20°	356.6	35.2
20°-30°	392.9	38.8
30°-40°	120.2	11.9
40°-50°	11.9	1.2
50°-60°	2.2	0.2
60°-70°	1.7	0.2
70°-80°	1.0	0.1
80°-90°	0.3	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°	874.7	86.4
0°-40°	994.9	98.3
0°-60°	1009.0	99.7
0°-90°	1012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1012.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1320	1320	1320	1320	1320	
5°	1296	1296	1294	1290	1287	126
15°	1293	1290	1281	1276	1276	358
25°	880	888	898	906	890	388
35°	138	145	163	150	142	113
45°	8	12	18	12	8	9
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
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°	1319.7	1319.7	1319.7	1319.7	1319.7
1°	1318.1	1318.9	1318.1	1316.6	1322.0
2°	1315.1	1314.3	1312.0	1311.2	1313.5
3°	1305.1	1305.1	1302.0	1300.4	1301.2
4°	1297.4	1297.4	1292.7	1291.2	1292.0
5°	1295.8	1295.8	1293.5	1289.7	1287.4
6°	1302.0	1303.5	1298.1	1294.3	1294.3
7°	1311.2	1312.0	1308.1	1302.7	1301.2
8°	1322.8	1323.5	1317.4	1311.2	1308.1
9°	1334.3	1332.8	1324.3	1318.1	1315.8
10°	1338.9	1338.1	1327.4	1321.2	1318.9
11°	1341.2	1337.4	1325.1	1319.7	1318.9
12°	1335.8	1332.8	1319.7	1314.3	1312.0
13°	1326.6	1322.0	1311.2	1305.8	1302.7
14°	1312.0	1307.4	1297.4	1291.2	1292.0
15°	1292.7	1290.4	1281.2	1275.8	1275.8
17.5°	1228.9	1230.4	1228.1	1225.8	1224.3
20°	1140.4	1146.5	1151.9	1148.8	1143.5
22.5°	1027.3	1038.0	1044.2	1045.7	1035.7
25°	879.5	888.0	898.0	906.5	889.5
27.5°	695.6	703.3	712.5	717.9	715.6
30°	504.0	504.8	504.0	514.0	510.2
32.5°	280.1	303.2	307.0	314.0	289.3
35°	137.7	144.7	163.1	150.1	142.4
37.5°	66.2	70.8	88.5	72.3	69.3
40°	36.9	40.0	50.0	41.6	36.9
42.5°	17.7	23.1	26.9	23.9	17.7
45°	7.7	11.5	17.7	11.5	7.7
47.5°	3.1	4.6	10.8	4.6	3.1
50°	3.1	2.3	5.4	2.3	2.3
52.5°	2.3	2.3	3.1	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3
62.5°	1.5	2.3	2.3	2.3	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	0.8	1.5	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
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)