

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: P1320168

Luminaire Tested: LDSQA3D13R559840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R559840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

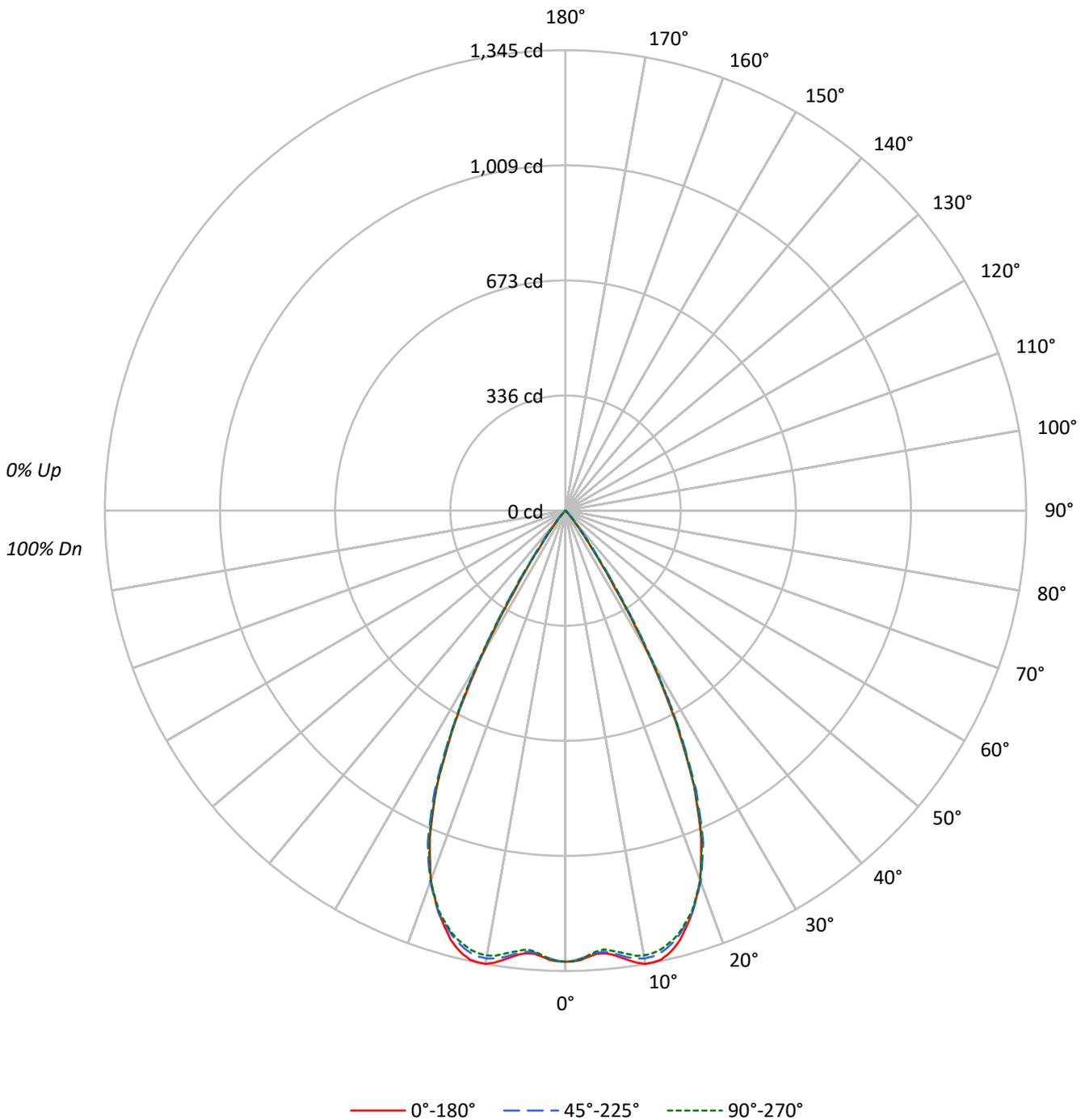
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1002.0 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
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 (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				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	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	226989	226989	226989
5°	224399	223725	222532
10°	235195	232362	230753
15°	231288	228828	227990
20°	210675	211518	210803
25°	169010	171651	169010
30°	97007	99453	100228
35°	27668	33324	28467
40°	7082	10207	7262
45°	755	3556	560
50°	0	616	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3556 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	12.5
10°-20°	357.1	35.6
20°-30°	393.3	39.3
30°-40°	117.4	11.7
40°-50°	9.0	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	875.5	87.4
0°-40°	992.9	99.1
0°-60°	1002.0	100.0
0°-90°	1002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1298	1296	1294	1289	1287	126
15°	1297	1288	1283	1278	1279	360
25°	889	889	903	902	889	389
35°	132	140	158	145	135	109
45°	3	8	15	8	2	6
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	1318.0	1318.0	1318.0	1318.0	1318.0
1°	1317.2	1317.2	1315.7	1314.9	1317.2
2°	1313.4	1313.4	1309.5	1308.7	1311.1
3°	1304.9	1304.1	1301.0	1298.7	1300.3
4°	1298.0	1296.4	1294.1	1290.3	1291.0
5°	1298.0	1295.7	1294.1	1288.7	1287.2
6°	1304.1	1302.6	1299.5	1294.1	1292.6
7°	1314.9	1311.8	1308.7	1301.8	1300.3
8°	1326.4	1324.1	1318.0	1311.1	1308.0
9°	1338.0	1332.6	1324.9	1318.0	1317.2
10°	1344.9	1337.2	1328.7	1320.3	1319.5
11°	1344.1	1337.2	1327.2	1319.5	1318.7
12°	1341.1	1331.1	1322.6	1313.4	1314.1
13°	1330.3	1321.1	1312.6	1305.7	1304.1
14°	1315.7	1307.2	1299.5	1292.6	1293.4
15°	1297.2	1288.0	1283.4	1278.0	1278.7
17.5°	1231.8	1229.5	1231.8	1225.6	1228.0
20°	1149.5	1147.2	1154.1	1151.0	1150.2
22.5°	1034.8	1037.9	1051.0	1047.1	1040.2
25°	889.4	889.4	903.3	901.7	889.4
27.5°	700.2	705.5	714.0	717.8	708.6
30°	487.8	500.1	500.1	507.8	504.0
32.5°	272.4	298.5	304.7	308.5	293.1
35°	131.6	140.0	158.5	144.6	135.4
37.5°	63.1	66.9	85.4	69.2	64.6
40°	31.5	36.2	45.4	37.7	32.3
42.5°	13.1	19.2	23.9	19.2	13.1
45°	3.1	7.7	14.6	7.7	2.3
47.5°	0.0	0.8	6.9	1.5	0.0
50°	0.0	0.0	2.3	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)