

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: P1320336

Luminaire Tested: LDSQA3D17R709840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

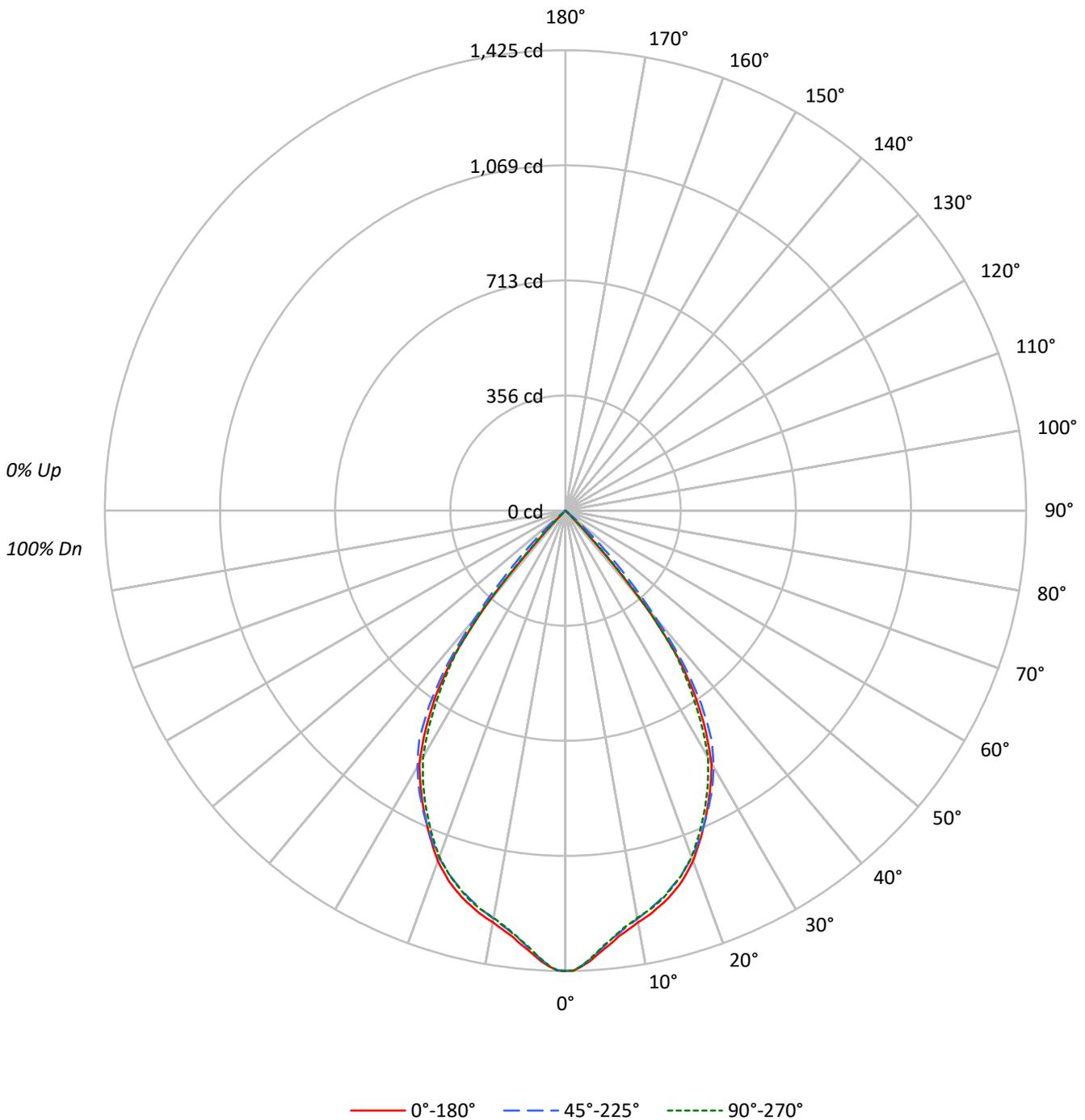
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1474.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	100	100	100	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	93	93	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	86	86	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80	80	80	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74	74	74	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68	68	68	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63	63	63	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48	48	48	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	245366	245366	245366
5°	235532	234236	233596
10°	226277	224300	223881
15°	220911	217809	218255
20°	211555	209484	209026
25°	196355	196830	193751
30°	179715	182201	175260
35°	147024	154089	141264
40°	84623	98651	86871
45°	1218	40991	4262
50°	0	4340	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: 40991 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	8.6
10°-20°	344.4	23.4
20°-30°	473.2	32.1
30°-40°	429.0	29.1
40°-50°	99.7	6.8
50°-60°	0.5	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°	944.7	64.1
0°-40°	1373.8	93.2
0°-60°	1474.0	100.0
0°-90°	1474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1474.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1425	1425	1425	1425	1425	
5°	1362	1359	1355	1352	1351	128
15°	1239	1230	1222	1222	1224	348
25°	1033	1038	1036	1026	1020	474
35°	699	709	733	702	672	420
45°	5	56	168	72	18	60
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°	1424.7	1424.7	1424.7	1424.7	1424.7
1°	1423.5	1421.0	1422.3	1423.5	1424.7
2°	1412.3	1409.8	1409.8	1411.0	1411.0
3°	1398.6	1393.6	1393.6	1392.3	1392.3
4°	1379.9	1376.1	1373.6	1372.4	1372.4
5°	1362.4	1358.7	1354.9	1352.5	1351.2
6°	1347.5	1341.2	1336.2	1335.0	1336.2
7°	1330.0	1326.3	1321.3	1317.5	1318.8
8°	1317.5	1312.6	1306.3	1303.8	1303.8
9°	1306.3	1301.3	1295.1	1290.1	1292.6
10°	1293.9	1288.9	1282.6	1278.9	1280.2
11°	1285.1	1278.9	1271.4	1268.9	1270.2
12°	1275.2	1267.7	1260.2	1259.0	1261.5
13°	1262.7	1255.2	1247.7	1247.7	1250.2
14°	1251.5	1242.8	1235.3	1235.3	1239.0
15°	1239.0	1230.3	1221.6	1221.6	1224.1
17.5°	1201.6	1194.1	1185.4	1185.4	1186.7
20°	1154.3	1150.5	1143.0	1139.3	1140.5
22.5°	1094.4	1094.4	1090.7	1084.5	1082.0
25°	1033.3	1038.3	1035.8	1025.9	1019.6
27.5°	969.8	978.5	979.7	964.8	953.6
30°	903.7	911.2	916.2	898.7	881.3
32.5°	806.5	828.9	841.4	817.7	781.6
35°	699.3	709.3	732.9	701.8	671.9
37.5°	568.4	580.9	600.8	575.9	558.4
40°	376.4	426.3	438.8	426.3	386.4
42.5°	135.9	239.3	287.9	244.3	159.6
45°	5.0	56.1	168.3	72.3	17.5
47.5°	0.0	1.2	76.0	2.5	0.0
50°	0.0	0.0	16.2	0.0	0.0
52.5°	0.0	0.0	1.2	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)