

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: P1319461

Luminaire Tested: LDSQA3D17R709835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

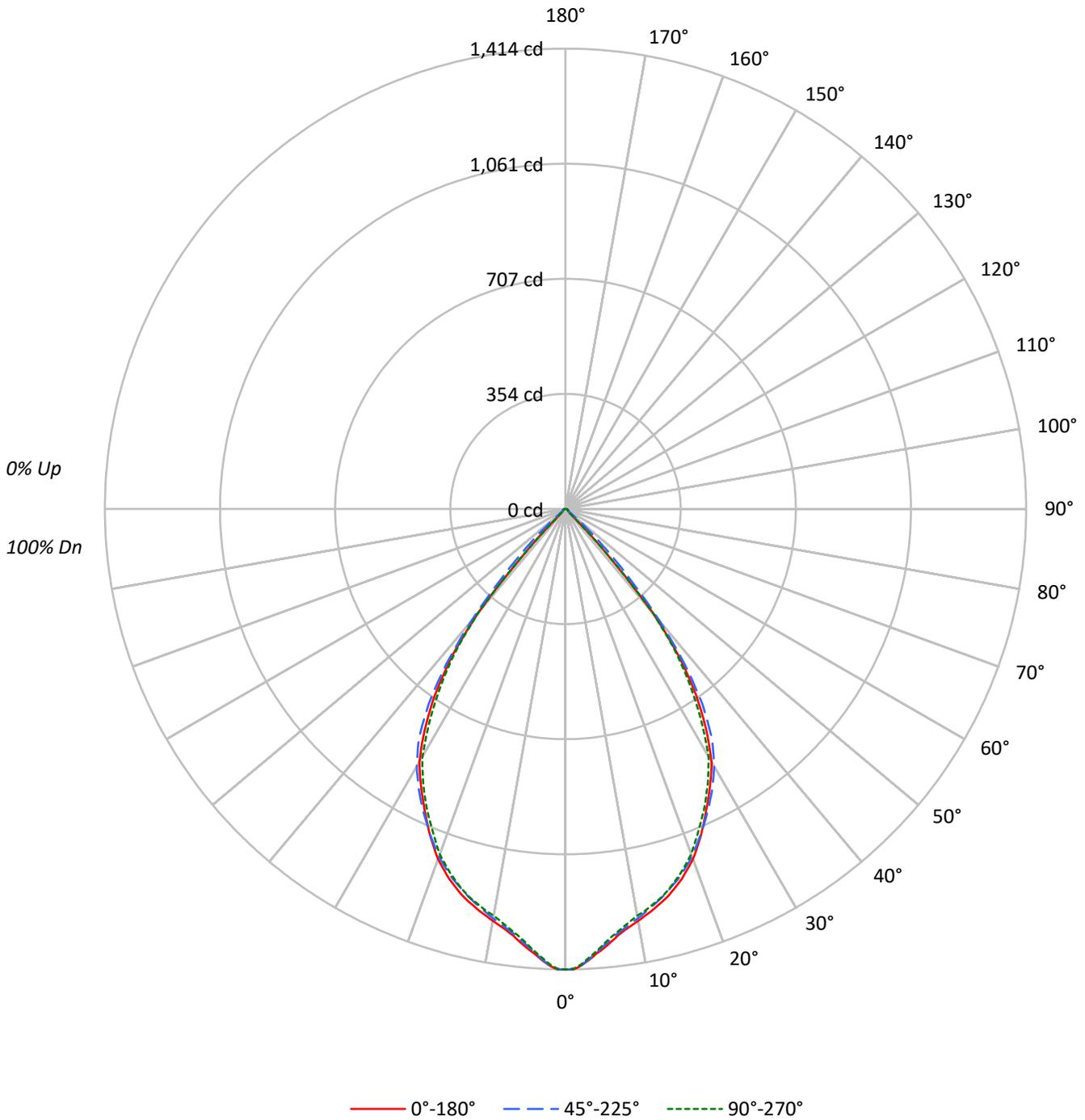
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1508.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 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 (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: P1319461
CATALOG NUMBER: LDSQA3D17R709835DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1319461

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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	243574	243574	243574
5°	234115	232853	232006
10°	224615	223321	221817
15°	218950	216543	216329
20°	209795	208219	206863
25°	194226	195632	191908
30°	178402	181564	174743
35°	147129	154089	141453
40°	93683	100855	93683
45°	6576	43573	7161
50°	2947	8869	2947
55°	3303	3303	3303
60°	3376	3376	3376
65°	3016	3505	3016
70°	3072	3726	3072
75°	3261	3261	3261
80°	3670	3670	3670
85°	2371	4940	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 43573 cd/sqm



TEST NUMBER: P1319461

CATALOG NUMBER: LDSQA3D17R709835DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	8.4
10°-20°	341.7	22.7
20°-30°	469.6	31.1
30°-40°	430.2	28.5
40°-50°	114.2	7.6
50°-60°	10.2	0.7
60°-70°	8.3	0.6
70°-80°	5.5	0.4
80°-90°	2.1	0.1
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°	937.5	62.2
0°-40°	1367.7	90.7
0°-60°	1492.1	98.9
0°-90°	1508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1508.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1414	1414	1414	1414	1414	
5°	1354	1348	1347	1344	1342	127
15°	1228	1217	1214	1214	1213	345
25°	1022	1026	1030	1017	1010	470
35°	700	711	733	700	673	424
45°	27	92	179	93	29	81
55°	11	11	11	11	11	9
65°	7	9	9	9	7	8
75°	5	5	5	5	5	5
85°	1	2	2	2	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1414.3	1414.3	1414.3	1414.3	1414.3
1°	1414.3	1411.8	1414.3	1414.3	1411.8
2°	1403.3	1400.8	1402.0	1400.8	1399.6
3°	1387.3	1383.7	1384.9	1382.4	1380.0
4°	1368.9	1365.3	1365.3	1364.0	1361.6
5°	1354.2	1348.1	1346.9	1344.4	1342.0
6°	1337.1	1331.0	1329.7	1326.1	1323.6
7°	1319.9	1315.0	1313.8	1308.9	1308.9
8°	1306.4	1300.3	1300.3	1294.2	1294.2
9°	1295.4	1288.1	1288.1	1283.2	1280.7
10°	1284.4	1277.0	1277.0	1270.9	1268.4
11°	1273.4	1267.2	1264.8	1261.1	1259.9
12°	1263.5	1255.0	1252.5	1251.3	1248.8
13°	1251.3	1242.7	1240.3	1239.0	1237.8
14°	1240.3	1229.2	1228.0	1225.6	1226.8
15°	1228.0	1217.0	1214.5	1214.5	1213.3
17.5°	1190.0	1182.7	1179.0	1176.5	1174.1
20°	1144.7	1138.5	1136.1	1131.2	1128.7
22.5°	1085.8	1084.6	1083.4	1077.3	1067.5
25°	1022.1	1025.8	1029.5	1017.2	1009.9
27.5°	960.8	970.6	974.3	962.1	946.1
30°	897.1	905.7	913.0	895.9	878.7
32.5°	805.2	826.0	837.1	817.4	778.2
35°	699.8	710.8	732.9	699.8	672.8
37.5°	577.2	583.4	600.5	578.5	560.1
40°	416.7	435.1	448.6	435.1	416.7
42.5°	187.5	262.3	296.6	277.0	196.1
45°	27.0	91.9	178.9	93.1	29.4
47.5°	11.0	14.7	93.1	13.5	11.0
50°	11.0	11.0	33.1	11.0	11.0
52.5°	11.0	11.0	12.3	11.0	11.0
55°	11.0	11.0	11.0	11.0	11.0
57.5°	9.8	9.8	11.0	9.8	9.8
60°	9.8	9.8	9.8	9.8	9.8
62.5°	8.6	9.8	9.8	9.8	8.6
65°	7.4	8.6	8.6	8.6	7.4
67.5°	7.4	7.4	7.4	7.4	7.4
70°	6.1	7.4	7.4	7.4	6.1
72.5°	6.1	6.1	6.1	6.1	6.1
75°	4.9	4.9	4.9	4.9	4.9
77.5°	3.7	4.9	4.9	4.9	3.7
80°	3.7	3.7	3.7	3.7	3.7
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.2	2.5	2.5	2.5	1.2
87.5°	1.2	1.2	1.2	1.2	1.2



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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)