

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: P1308367

Luminaire Tested: LDSQA3D17R709027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308367
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: LDSQA3D17R709027DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

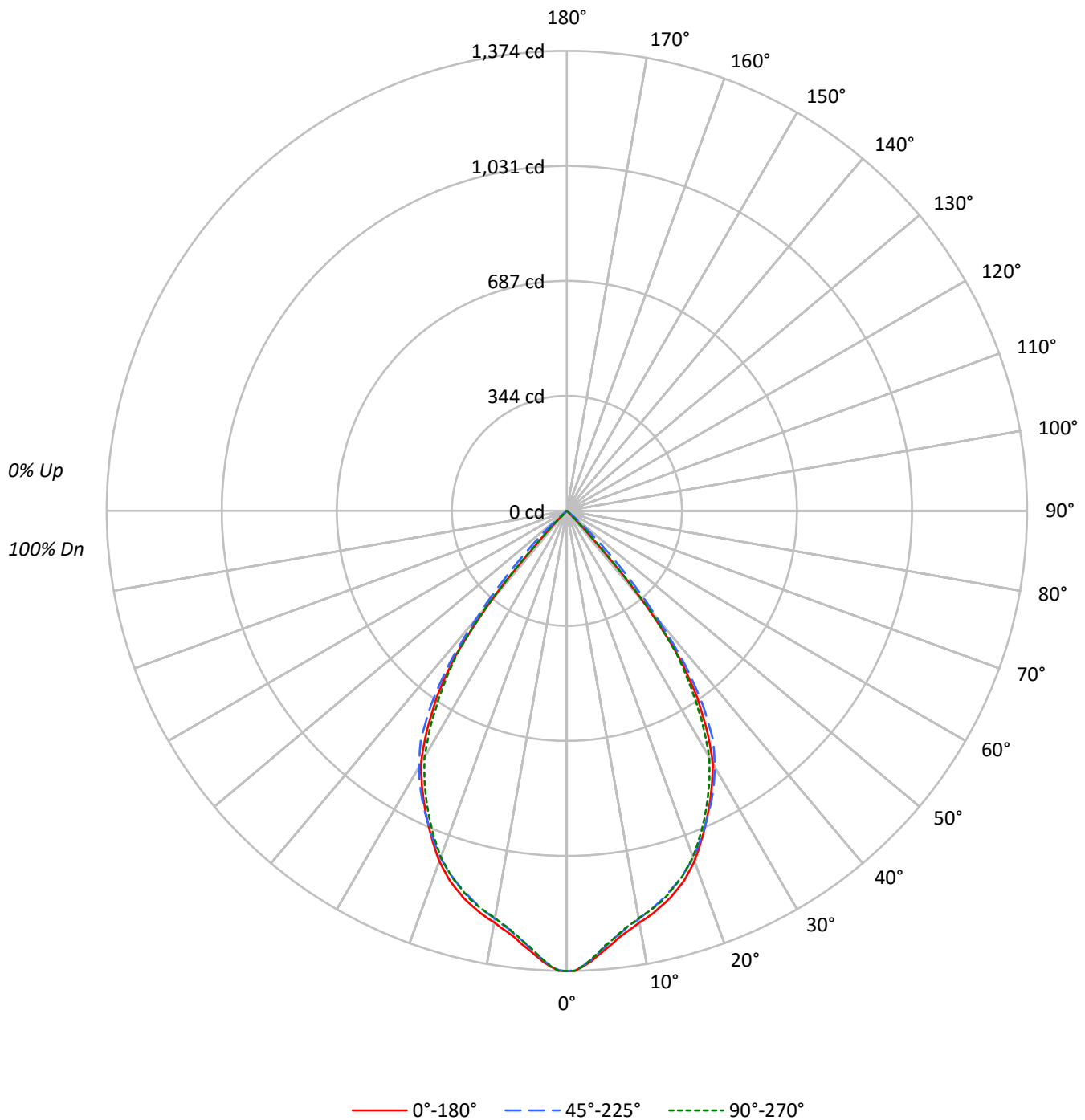
Lumens per Lamp: N/A
Luminaire Lumens: 1422.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63		
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59		
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55		
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	236720	236720	236720
5°	227234	225972	225350
10°	218285	216396	215976
15°	213120	210124	210552
20°	204077	202098	201658
25°	189438	189894	186929
30°	173371	175777	169076
35°	141831	148664	136281
40°	81655	95167	83813
45°	1169	39530	4092
50°	0	4180	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: 39530 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	8.6
10°-20°	332.3	23.4
20°-30°	456.5	32.1
30°-40°	413.9	29.1
40°-50°	96.2	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°	911.4	64.1
0°-40°	1325.3	93.2
0°-60°	1422.0	100.0
0°-90°	1422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1422.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1374	1374	1374	1374	1374	
5°	1314	1311	1307	1305	1304	123
15°	1195	1187	1178	1178	1181	335
25°	997	1002	999	990	984	457
35°	675	684	707	677	648	405
45°	5	54	162	70	17	58
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1374.5	1374.5	1374.5	1374.5	1374.5
1°	1373.3	1370.9	1372.1	1373.3	1374.5
2°	1362.5	1360.1	1360.1	1361.3	1361.3
3°	1349.2	1344.4	1344.4	1343.2	1343.2
4°	1331.2	1327.6	1325.2	1324.0	1324.0
5°	1314.4	1310.8	1307.1	1304.7	1303.5
6°	1299.9	1293.9	1289.1	1287.9	1289.1
7°	1283.1	1279.5	1274.7	1271.1	1272.3
8°	1271.1	1266.3	1260.2	1257.8	1257.8
9°	1260.2	1255.4	1249.4	1244.6	1247.0
10°	1248.2	1243.4	1237.4	1233.8	1235.0
11°	1239.8	1233.8	1226.6	1224.2	1225.4
12°	1230.2	1223.0	1215.8	1214.6	1217.0
13°	1218.2	1210.9	1203.7	1203.7	1206.1
14°	1207.3	1198.9	1191.7	1191.7	1195.3
15°	1195.3	1186.9	1178.5	1178.5	1180.9
17.5°	1159.2	1152.0	1143.6	1143.6	1144.8
20°	1113.5	1109.9	1102.7	1099.1	1100.3
22.5°	1055.8	1055.8	1052.2	1046.2	1043.8
25°	996.9	1001.7	999.3	989.7	983.7
27.5°	935.6	944.0	945.2	930.8	919.9
30°	871.8	879.0	883.9	867.0	850.2
32.5°	778.0	799.7	811.7	788.9	754.0
35°	674.6	684.2	707.1	677.0	648.2
37.5°	548.4	560.4	579.6	555.6	538.7
40°	363.2	411.3	423.3	411.3	372.8
42.5°	131.1	230.9	277.8	235.7	153.9
45°	4.8	54.1	162.3	69.7	16.8
47.5°	0.0	1.2	73.4	2.4	0.0
50°	0.0	0.0	15.6	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)