

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: P1314876

Luminaire Tested: LDSQA3D17R709730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314876
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: LDSQA3D17R709730DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

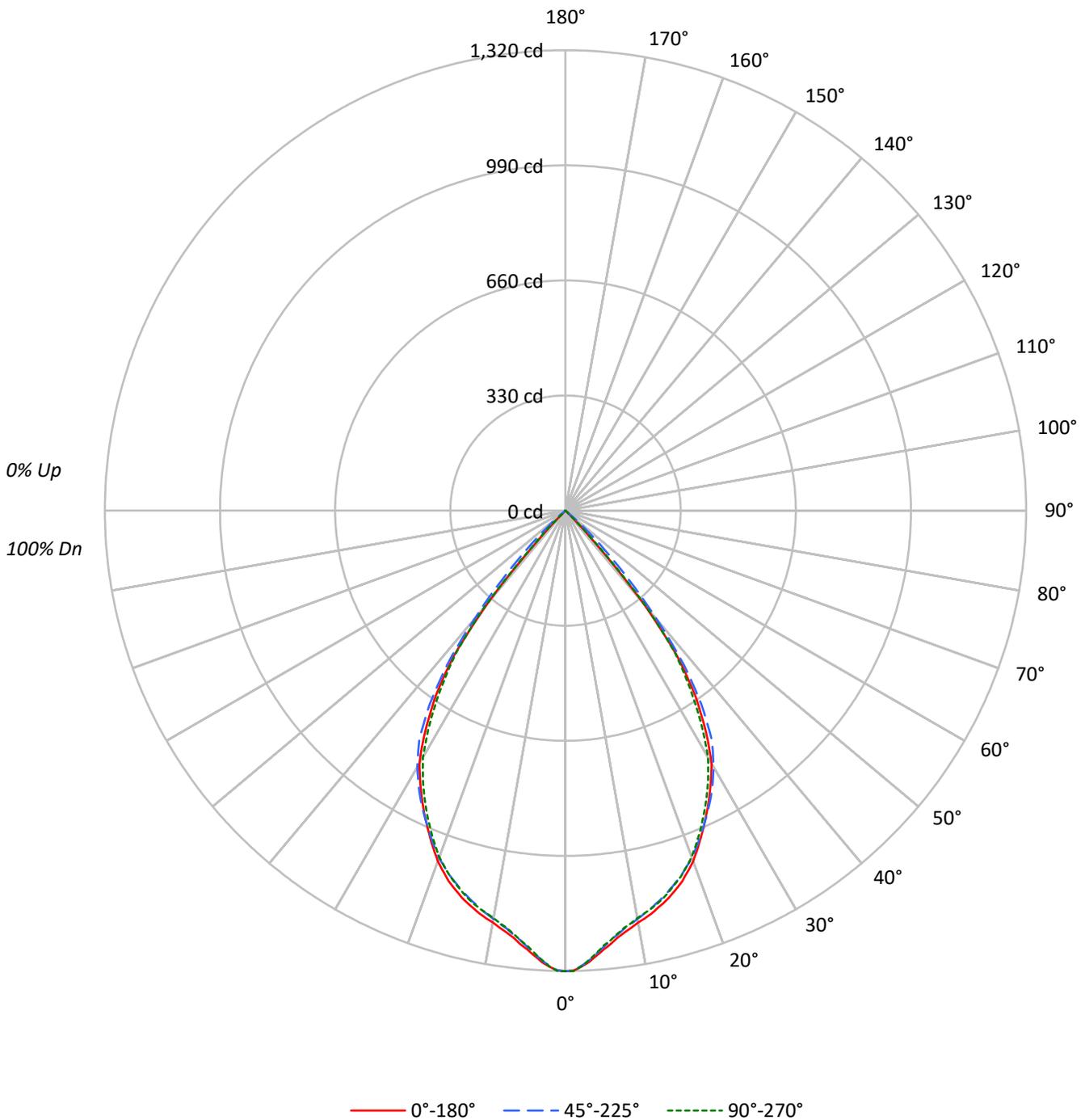
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1366.0 lumens
Efficiency: N/A
Efficacy: 64.4 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			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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	227403	227403	227403
5°	218279	217086	216481
10°	209698	207879	207477
15°	204722	201851	202261
20°	196050	194144	193722
25°	181970	182407	179556
30°	166550	168837	162414
35°	136239	142798	130899
40°	78440	91412	80508
45°	1120	37971	3946
50°	0	4019	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: 37971 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	8.6
10°-20°	319.2	23.4
20°-30°	438.5	32.1
30°-40°	397.6	29.1
40°-50°	92.4	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°	875.5	64.1
0°-40°	1273.1	93.2
0°-60°	1366.0	100.0
0°-90°	1366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1320	1320	1320	1320	1320	
5°	1263	1259	1256	1253	1252	118
15°	1148	1140	1132	1132	1134	322
25°	958	962	960	951	945	439
35°	648	657	679	650	623	389
45°	5	52	156	67	16	56
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°	1320.4	1320.4	1320.4	1320.4	1320.4
1°	1319.2	1316.9	1318.0	1319.2	1320.4
2°	1308.8	1306.5	1306.5	1307.7	1307.7
3°	1296.1	1291.5	1291.5	1290.3	1290.3
4°	1278.8	1275.3	1273.0	1271.8	1271.8
5°	1262.6	1259.1	1255.7	1253.4	1252.2
6°	1248.7	1243.0	1238.3	1237.2	1238.3
7°	1232.6	1229.1	1224.5	1221.0	1222.2
8°	1221.0	1216.4	1210.6	1208.3	1208.3
9°	1210.6	1206.0	1200.2	1195.6	1197.9
10°	1199.1	1194.4	1188.7	1185.2	1186.4
11°	1191.0	1185.2	1178.3	1176.0	1177.1
12°	1181.7	1174.8	1167.9	1166.7	1169.0
13°	1170.2	1163.3	1156.3	1156.3	1158.6
14°	1159.8	1151.7	1144.8	1144.8	1148.2
15°	1148.2	1140.2	1132.1	1132.1	1134.4
17.5°	1113.6	1106.7	1098.6	1098.6	1099.7
20°	1069.7	1066.2	1059.3	1055.8	1057.0
22.5°	1014.2	1014.2	1010.8	1005.0	1002.7
25°	957.6	962.3	959.9	950.7	944.9
27.5°	898.7	906.8	908.0	894.1	883.7
30°	837.5	844.4	849.0	832.9	816.7
32.5°	747.4	768.2	779.7	757.8	724.3
35°	648.0	657.3	679.2	650.4	622.6
37.5°	526.8	538.3	556.8	533.7	517.5
40°	348.9	395.1	406.6	395.1	358.1
42.5°	125.9	221.8	266.8	226.4	147.9
45°	4.6	52.0	155.9	67.0	16.2
47.5°	0.0	1.2	70.5	2.3	0.0
50°	0.0	0.0	15.0	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)