

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: P1308368

Luminaire Tested: LDSQA3D17R709027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308368  
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: LDSQA3D17R709027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

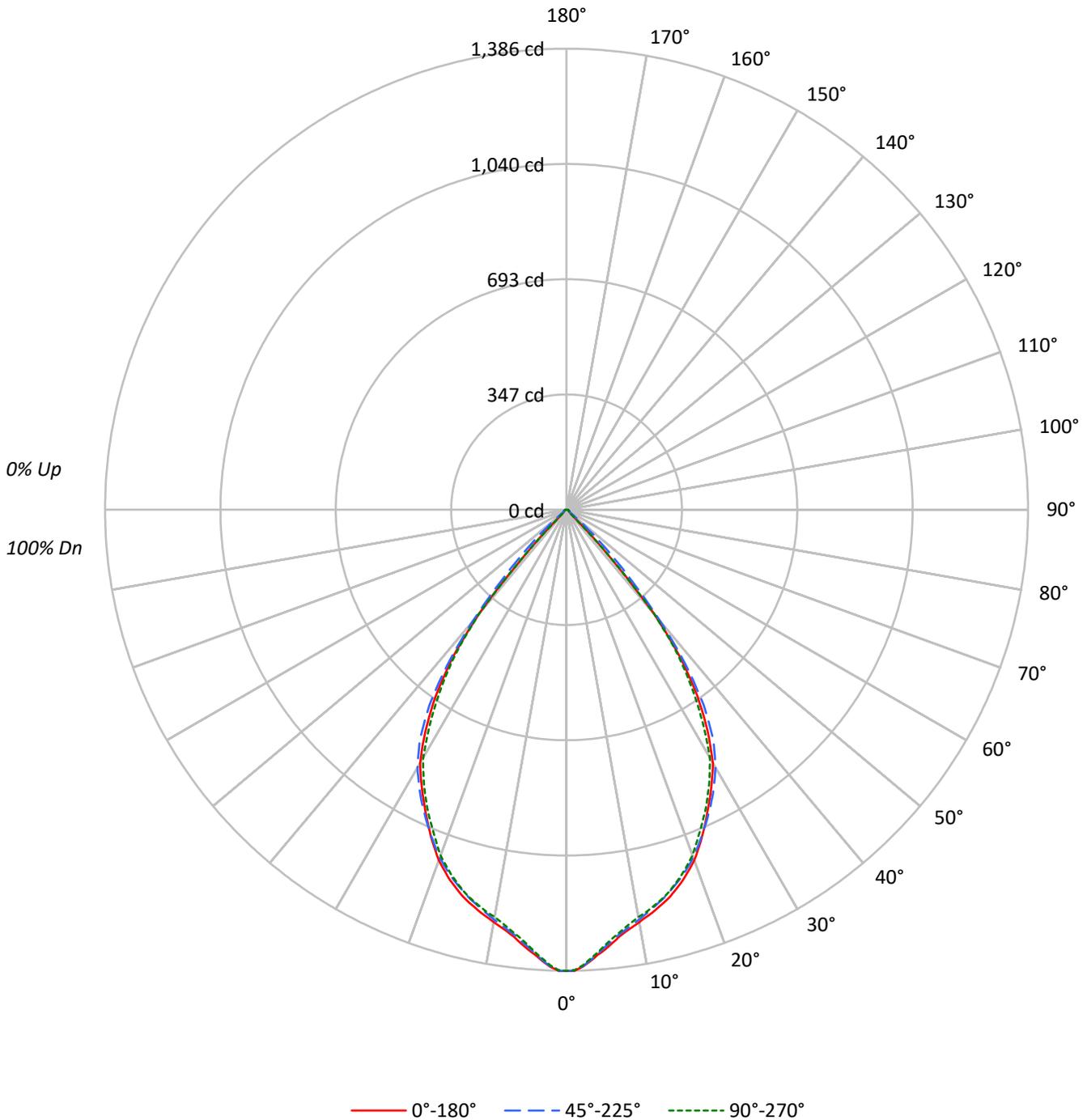
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1478.0 lumens  
Efficiency: N/A  
Efficacy: 69.7 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): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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	76	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°	238735	238735	238735
5°	229464	228220	227390
10°	220138	218879	217410
15°	214599	212246	212032
20°	205617	204077	202758
25°	190369	191737	188088
30°	174863	177965	171263
35°	144207	151019	138636
40°	91817	98831	91817
45°	6430	42720	7015
50°	2894	8681	2894
55°	3243	3243	3243
60°	3307	3307	3307
65°	2934	3423	2934
70°	3021	3626	3021
75°	3194	3194	3194
80°	3570	3570	3570
85°	2371	4742	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 42720 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.7	8.4
10°-20°	334.9	22.7
20°-30°	460.3	31.1
30°-40°	421.6	28.5
40°-50°	111.9	7.6
50°-60°	10.0	0.7
60°-70°	8.1	0.6
70°-80°	5.4	0.4
80°-90°	2.0	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°	918.9	62.2
0°-40°	1340.5	90.7
0°-60°	1462.4	98.9
0°-90°	1478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1478.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1386	1386	1386	1386	1386	
5°	1327	1321	1320	1318	1315	124
15°	1204	1193	1190	1190	1189	338
25°	1002	1005	1009	997	990	461
35°	686	697	718	686	659	416
45°	26	90	175	91	29	79
55°	11	11	11	11	11	9
65°	7	8	8	8	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°	1386.2	1386.2	1386.2	1386.2	1386.2
1°	1386.2	1383.8	1386.2	1386.2	1383.8
2°	1375.3	1372.9	1374.1	1372.9	1371.7
3°	1359.7	1356.1	1357.3	1354.9	1352.5
4°	1341.7	1338.1	1338.1	1336.9	1334.5
5°	1327.3	1321.3	1320.1	1317.7	1315.3
6°	1310.5	1304.5	1303.3	1299.7	1297.3
7°	1293.7	1288.9	1287.7	1282.9	1282.9
8°	1280.5	1274.4	1274.4	1268.4	1268.4
9°	1269.6	1262.4	1262.4	1257.6	1255.2
10°	1258.8	1251.6	1251.6	1245.6	1243.2
11°	1248.0	1242.0	1239.6	1236.0	1234.8
12°	1238.4	1230.0	1227.6	1226.4	1224.0
13°	1226.4	1218.0	1215.6	1214.4	1213.2
14°	1215.6	1204.8	1203.6	1201.2	1202.4
15°	1203.6	1192.8	1190.4	1190.4	1189.2
17.5°	1166.3	1159.1	1155.5	1153.1	1150.7
20°	1121.9	1115.9	1113.5	1108.7	1106.3
22.5°	1064.2	1063.0	1061.8	1055.8	1046.2
25°	1001.8	1005.4	1009.0	997.0	989.8
27.5°	941.7	951.3	954.9	942.9	927.3
30°	879.3	887.7	894.9	878.1	861.2
32.5°	789.2	809.6	820.4	801.2	762.7
35°	685.9	696.7	718.3	685.9	659.4
37.5°	565.8	571.8	588.6	567.0	548.9
40°	408.4	426.4	439.6	426.4	408.4
42.5°	183.8	257.1	290.7	271.5	192.2
45°	26.4	90.1	175.4	91.3	28.8
47.5°	10.8	14.4	91.3	13.2	10.8
50°	10.8	10.8	32.4	10.8	10.8
52.5°	10.8	10.8	12.0	10.8	10.8
55°	10.8	10.8	10.8	10.8	10.8
57.5°	9.6	9.6	10.8	9.6	9.6
60°	9.6	9.6	9.6	9.6	9.6
62.5°	8.4	9.6	9.6	9.6	8.4
65°	7.2	8.4	8.4	8.4	7.2
67.5°	7.2	7.2	7.2	7.2	7.2
70°	6.0	7.2	7.2	7.2	6.0
72.5°	6.0	6.0	6.0	6.0	6.0
75°	4.8	4.8	4.8	4.8	4.8
77.5°	3.6	4.8	4.8	4.8	3.6
80°	3.6	3.6	3.6	3.6	3.6
82.5°	2.4	2.4	2.4	2.4	2.4
85°	1.2	2.4	2.4	2.4	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)