

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: P1317709

Luminaire Tested: LDSQA3D17R709827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317709
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: LDSQA3D17R709827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

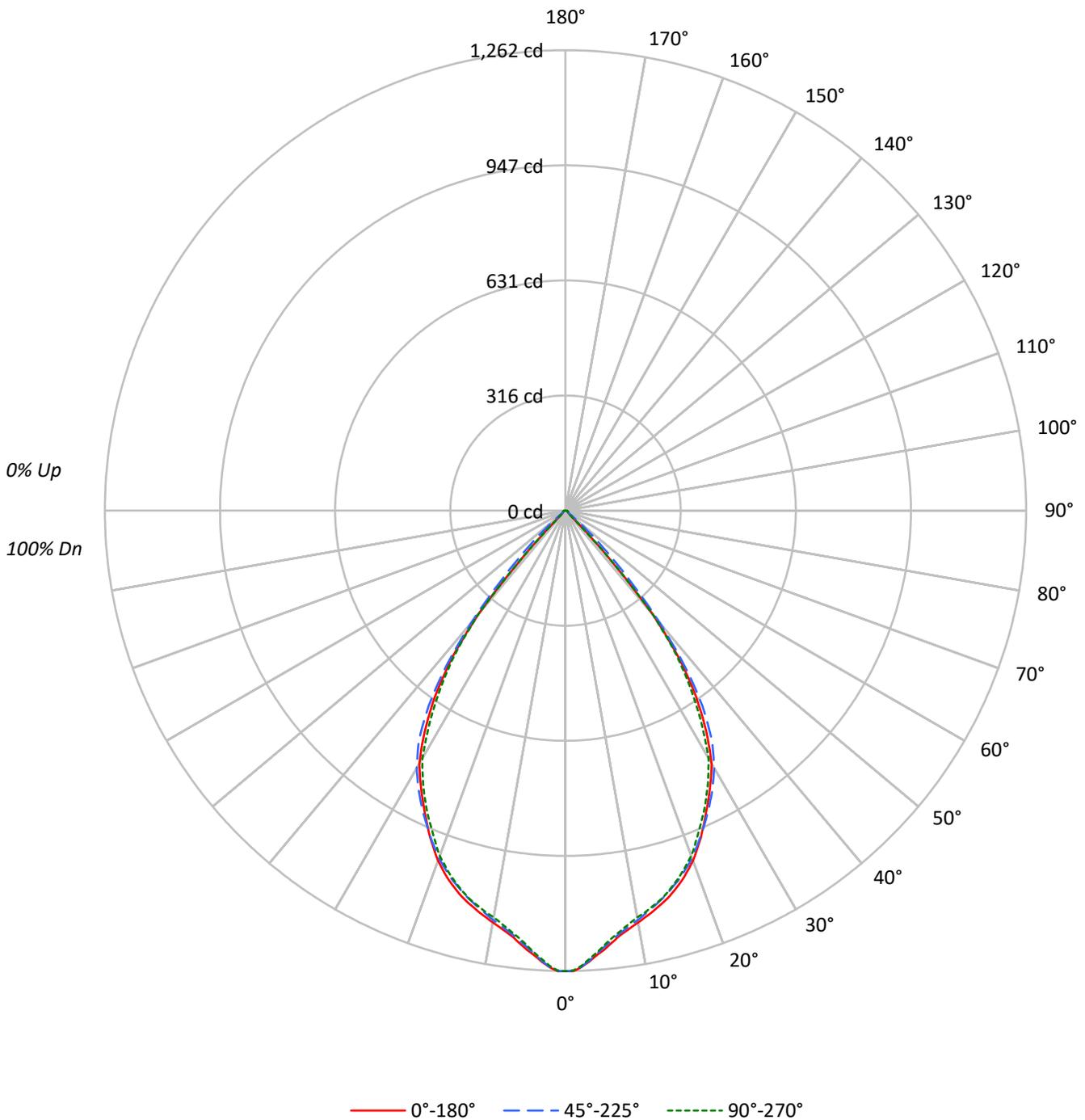
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1346.0 lumens
Efficiency: N/A
Efficacy: 66.0 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

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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	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°	217414	217414	217414
5°	208978	207837	207076
10°	200482	199328	197999
15°	195432	193293	193097
20°	187253	185841	184650
25°	173361	174615	171290
30°	159232	162075	155970
35°	131319	137542	126252
40°	83611	90018	83611
45°	5870	38896	6406
50°	2626	7904	2626
55°	2943	2943	2943
60°	3031	3031	3031
65°	2690	3138	2690
70°	2769	3323	2769
75°	2928	2928	2928
80°	3273	3273	3273
85°	2174	4347	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 38896 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.7	8.4
10°-20°	305.0	22.7
20°-30°	419.2	31.1
30°-40°	384.0	28.5
40°-50°	101.9	7.6
50°-60°	9.1	0.7
60°-70°	7.5	0.6
70°-80°	5.0	0.4
80°-90°	1.9	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°	836.8	62.2
0°-40°	1220.8	90.7
0°-60°	1331.7	98.9
0°-90°	1346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1346.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1262	1262	1262	1262	1262	
5°	1209	1203	1202	1200	1198	113
15°	1096	1086	1084	1084	1083	308
25°	912	916	919	908	901	419
35°	625	634	654	625	600	379
45°	24	82	160	83	26	72
55°	10	10	10	10	10	8
65°	7	8	8	8	7	7
75°	4	4	4	4	4	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°	1262.4	1262.4	1262.4	1262.4	1262.4
1°	1262.4	1260.2	1262.4	1262.4	1260.2
2°	1252.5	1250.3	1251.4	1250.3	1249.2
3°	1238.3	1235.0	1236.1	1233.9	1231.7
4°	1221.9	1218.6	1218.6	1217.5	1215.3
5°	1208.8	1203.3	1202.2	1200.0	1197.8
6°	1193.4	1188.0	1186.9	1183.6	1181.4
7°	1178.1	1173.8	1172.7	1168.3	1168.3
8°	1166.1	1160.6	1160.6	1155.2	1155.2
9°	1156.2	1149.7	1149.7	1145.3	1143.1
10°	1146.4	1139.8	1139.8	1134.4	1132.2
11°	1136.6	1131.1	1128.9	1125.6	1124.5
12°	1127.8	1120.2	1118.0	1116.9	1114.7
13°	1116.9	1109.2	1107.0	1105.9	1104.8
14°	1107.0	1097.2	1096.1	1093.9	1095.0
15°	1096.1	1086.2	1084.1	1084.1	1083.0
17.5°	1062.2	1055.6	1052.3	1050.1	1048.0
20°	1021.7	1016.2	1014.0	1009.7	1007.5
22.5°	969.2	968.1	967.0	961.5	952.8
25°	912.3	915.6	918.9	907.9	901.4
27.5°	857.6	866.4	869.6	858.7	844.5
30°	800.7	808.4	815.0	799.6	784.3
32.5°	718.7	737.3	747.1	729.6	694.6
35°	624.6	634.5	654.2	624.6	600.5
37.5°	515.2	520.7	536.0	516.3	499.9
40°	371.9	388.3	400.4	388.3	371.9
42.5°	167.4	234.1	264.7	247.2	175.0
45°	24.1	82.0	159.7	83.1	26.3
47.5°	9.8	13.1	83.1	12.0	9.8
50°	9.8	9.8	29.5	9.8	9.8
52.5°	9.8	9.8	10.9	9.8	9.8
55°	9.8	9.8	9.8	9.8	9.8
57.5°	8.8	8.8	9.8	8.8	8.8
60°	8.8	8.8	8.8	8.8	8.8
62.5°	7.7	8.8	8.8	8.8	7.7
65°	6.6	7.7	7.7	7.7	6.6
67.5°	6.6	6.6	6.6	6.6	6.6
70°	5.5	6.6	6.6	6.6	5.5
72.5°	5.5	5.5	5.5	5.5	5.5
75°	4.4	4.4	4.4	4.4	4.4
77.5°	3.3	4.4	4.4	4.4	3.3
80°	3.3	3.3	3.3	3.3	3.3
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	2.2	2.2	2.2	1.1
87.5°	1.1	1.1	1.1	1.1	1.1



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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)