

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: P1320014

Luminaire Tested: LDSQA3D09R509840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R509840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

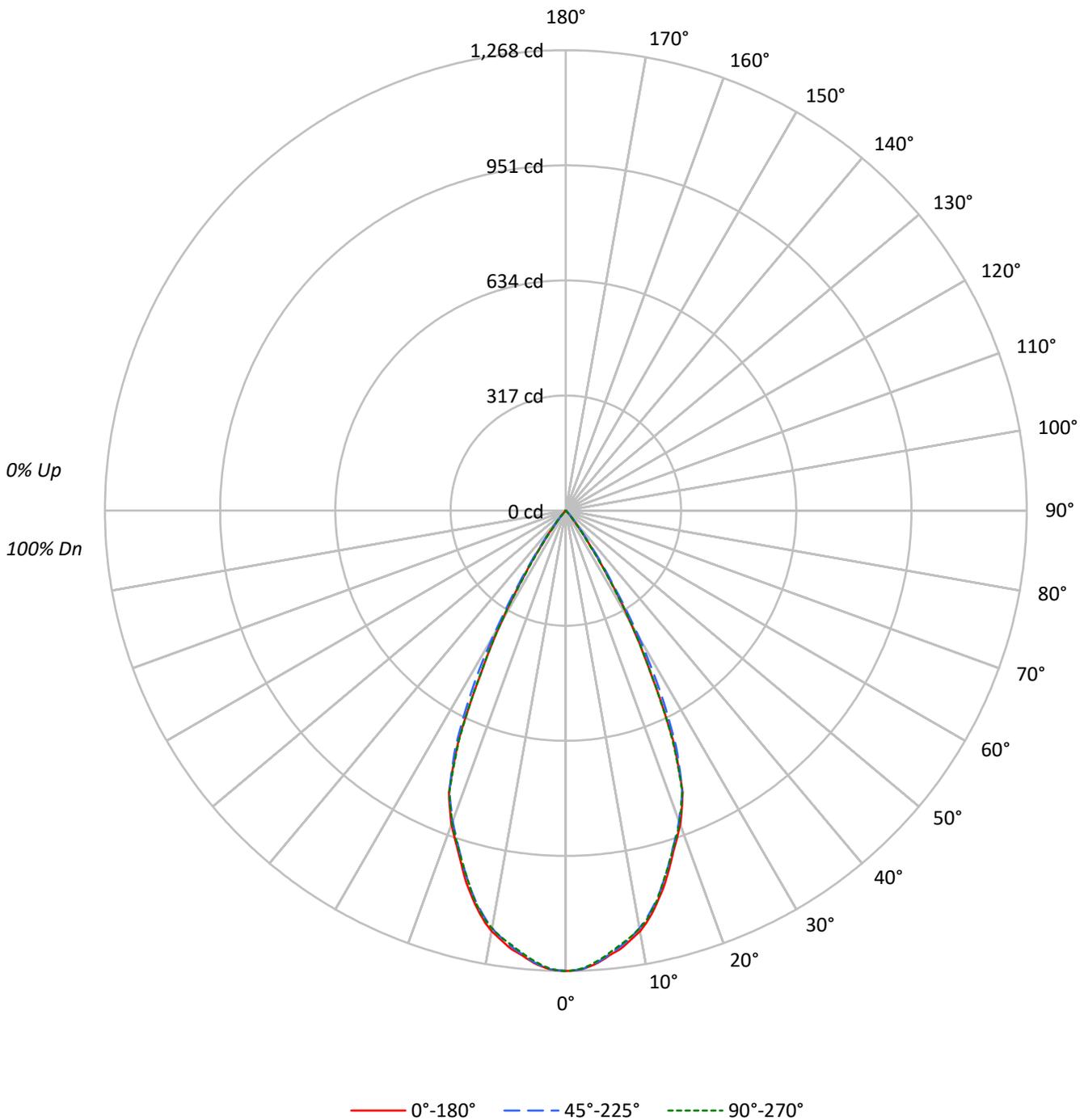
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 817.0 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	218344	218344	218344
5°	214061	213663	213058
10°	205676	204259	204364
15°	188818	187052	186856
20°	168687	166872	167734
25°	132582	136439	131479
30°	70935	79467	71154
35°	23169	27059	21823
40°	5733	7172	5486
45°	706	2533	706
50°	455	777	455
55°	510	510	510
60°	413	413	413
65°	489	489	489
70°	302	302	302
75°	399	399	399
80°	595	595	595
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2533 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	14.2
10°-20°	293.2	35.9
20°-30°	308.4	37.7
30°-40°	88.9	10.9
40°-50°	7.2	0.9
50°-60°	1.5	0.2
60°-70°	1.1	0.1
70°-80°	0.6	0.1
80°-90°	0.2	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°	717.5	87.8
0°-40°	806.3	98.7
0°-60°	815.1	99.8
0°-90°	817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	817.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1268	1268	1268	1268	1268	
5°	1238	1238	1236	1237	1232	116
15°	1059	1052	1049	1049	1048	295
25°	698	715	718	710	692	302
35°	110	114	129	110	104	85
45°	3	6	10	6	3	5
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	1267.8	1267.8	1267.8	1267.8	1267.8
1°	1267.2	1268.3	1266.0	1270.1	1266.6
2°	1264.3	1264.9	1263.7	1266.6	1262.0
3°	1257.3	1258.5	1256.2	1258.5	1254.4
4°	1249.2	1249.2	1246.9	1248.6	1243.4
5°	1238.2	1237.6	1235.9	1237.0	1232.4
6°	1226.6	1226.0	1223.1	1223.1	1219.6
7°	1217.9	1213.8	1211.5	1210.9	1207.4
8°	1204.0	1202.8	1198.2	1198.2	1195.8
9°	1190.0	1188.9	1183.7	1184.8	1183.1
10°	1176.1	1172.1	1168.0	1168.6	1168.6
11°	1157.6	1154.1	1148.3	1150.6	1151.8
12°	1135.5	1131.5	1126.3	1130.9	1130.3
13°	1111.2	1107.7	1103.6	1107.1	1106.0
14°	1085.7	1080.4	1077.0	1079.3	1078.1
15°	1059.0	1052.0	1049.1	1049.1	1048.0
17.5°	984.2	980.1	977.2	975.5	979.5
20°	920.4	916.9	910.5	912.3	915.2
22.5°	840.3	839.8	836.3	833.4	836.9
25°	697.7	715.1	718.0	709.9	691.9
27.5°	506.9	547.5	562.0	542.8	509.8
30°	356.7	375.8	399.6	361.9	357.8
32.5°	215.2	220.4	242.4	216.3	210.5
35°	110.2	114.2	128.7	110.2	103.8
37.5°	51.6	53.9	59.7	51.6	48.1
40°	25.5	28.4	31.9	26.7	24.4
42.5°	11.0	14.5	18.6	13.9	9.9
45°	2.9	5.8	10.4	5.8	2.9
47.5°	1.7	2.3	5.8	2.3	1.7
50°	1.7	1.7	2.9	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.2	1.7	1.2	1.7	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.6	0.0	0.6	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)