

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: P1310257

Luminaire Tested: LDSQA3D09R559035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559035DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

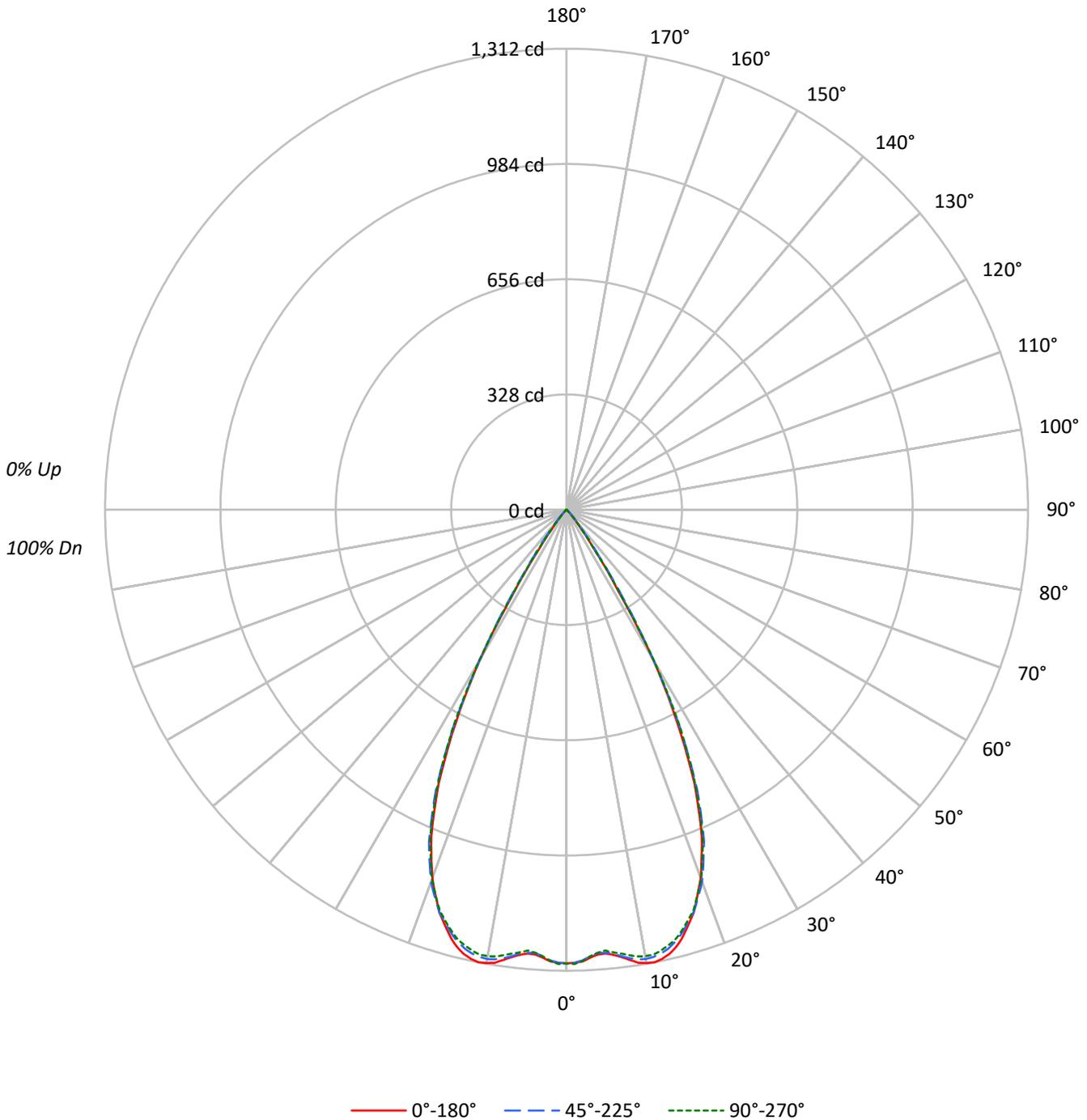
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 990.1 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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				
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	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	222339	222339	222339
5°	219143	218763	217726
10°	229057	227081	225629
15°	225476	223461	222534
20°	204462	206533	205012
25°	163499	166938	165361
30°	98061	98061	99254
35°	28320	33555	29287
40°	8116	10994	8116
45°	1827	4214	1827
50°	804	1420	616
55°	691	691	691
60°	792	792	792
65°	611	611	611
70°	755	755	755
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4214 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	12.4
10°-20°	348.9	35.2
20°-30°	384.4	38.8
30°-40°	117.6	11.9
40°-50°	11.6	1.2
50°-60°	2.2	0.2
60°-70°	1.7	0.2
70°-80°	1.0	0.1
80°-90°	0.3	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°	855.7	86.4
0°-40°	973.2	98.3
0°-60°	987.1	99.7
0°-90°	990.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	990.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1291	1291	1291	1291	1291	
5°	1268	1268	1265	1262	1259	123
15°	1265	1262	1253	1248	1248	350
25°	860	869	878	887	870	379
35°	135	142	160	147	139	110
45°	8	11	17	11	8	9
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
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°	1291.0	1291.0	1291.0	1291.0	1291.0
1°	1289.5	1290.2	1289.5	1288.0	1293.2
2°	1286.5	1285.7	1283.5	1282.7	1285.0
3°	1276.7	1276.7	1273.7	1272.2	1272.9
4°	1269.2	1269.2	1264.6	1263.1	1263.9
5°	1267.6	1267.6	1265.4	1261.6	1259.4
6°	1273.7	1275.2	1269.9	1266.1	1266.1
7°	1282.7	1283.5	1279.7	1274.4	1272.9
8°	1294.0	1294.7	1288.7	1282.7	1279.7
9°	1305.3	1303.8	1295.5	1289.5	1287.2
10°	1309.8	1309.1	1298.5	1292.5	1290.2
11°	1312.1	1308.3	1296.3	1291.0	1290.2
12°	1306.8	1303.8	1291.0	1285.7	1283.5
13°	1297.8	1293.2	1282.7	1277.4	1274.4
14°	1283.5	1278.9	1269.2	1263.1	1263.9
15°	1264.6	1262.4	1253.3	1248.1	1248.1
17.5°	1202.2	1203.7	1201.4	1199.1	1197.6
20°	1115.6	1121.6	1126.9	1123.9	1118.6
22.5°	1004.9	1015.5	1021.5	1023.0	1013.2
25°	860.4	868.7	878.5	886.8	870.2
27.5°	680.5	688.0	697.1	702.3	700.1
30°	493.1	493.8	493.1	502.8	499.1
32.5°	274.0	296.6	300.4	307.1	283.0
35°	134.7	141.5	159.6	146.8	139.3
37.5°	64.7	69.3	86.6	70.8	67.7
40°	36.1	39.1	48.9	40.6	36.1
42.5°	17.3	22.6	26.3	23.3	17.3
45°	7.5	11.3	17.3	11.3	7.5
47.5°	3.0	4.5	10.5	4.5	3.0
50°	3.0	2.3	5.3	2.3	2.3
52.5°	2.3	2.3	3.0	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3
62.5°	1.5	2.3	2.3	2.3	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	0.8	1.5	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
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)