

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: P1315440

Luminaire Tested: LDSQA3D09R259735DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259735DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

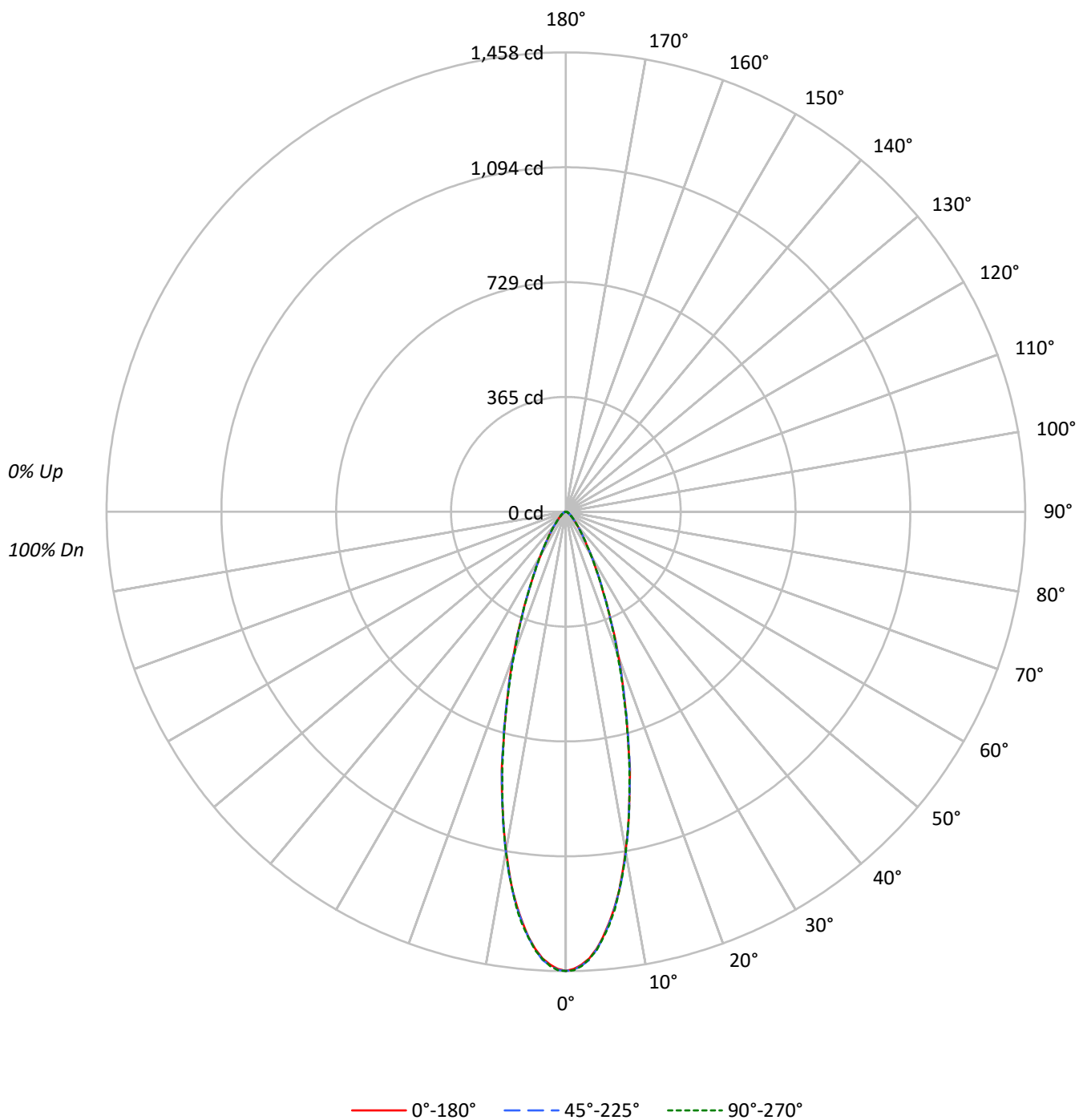
Lumens per Lamp: N/A
Luminaire Lumens: 584.0 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	251014	251014	251014
5°	234288	234530	234651
10°	191108	191703	191703
15°	136505	137236	136505
20°	89328	88467	87202
25°	53112	53378	53112
30°	31997	31997	31858
35°	19490	19637	19490
40°	12410	12567	12567
45°	8622	8622	8622
50°	6216	6404	6404
55°	4924	4924	5104
60°	3996	4237	4237
65°	3627	3627	3627
70°	3072	3072	3424
75°	2728	2728	3194
80°	2678	2678	2678
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8622 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	20.7
10°-20°	211.1	36.2
20°-30°	132.7	22.7
30°-40°	60.7	10.4
40°-50°	28.3	4.9
50°-60°	15.3	2.6
60°-70°	9.0	1.5
70°-80°	4.7	0.8
80°-90°	1.0	0.2
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°	465.0	79.6
0°-40°	525.7	90.0
0°-60°	569.3	97.5
0°-90°	584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	584.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1458	1458	1458	1458	1458	
5°	1355	1358	1357	1358	1357	121
15°	766	770	770	771	766	211
25°	280	283	281	281	280	133
35°	93	93	93	93	93	61
45°	35	35	35	35	35	28
55°	16	16	16	17	17	15
65°	9	9	9	9	9	9
75°	4	4	4	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1457.5	1457.5	1457.5	1457.5	1457.5
1°	1451.4	1452.7	1454.1	1456.1	1455.5
2°	1437.7	1440.5	1441.1	1443.9	1443.2
3°	1419.3	1418.6	1424.1	1424.1	1420.7
4°	1390.7	1392.1	1393.4	1394.8	1395.5
5°	1355.2	1358.0	1356.6	1358.0	1357.3
6°	1311.6	1315.7	1315.0	1316.4	1318.4
7°	1265.3	1268.0	1268.0	1266.6	1272.1
8°	1214.8	1212.8	1216.2	1214.8	1214.1
9°	1154.8	1158.9	1159.6	1156.2	1157.6
10°	1092.8	1095.5	1096.2	1098.2	1096.2
11°	1031.4	1031.4	1032.8	1036.2	1030.8
12°	964.6	970.8	964.6	967.4	964.6
13°	901.2	902.6	901.2	900.5	895.8
14°	841.2	836.5	837.8	832.4	833.1
15°	765.6	770.3	769.7	771.0	765.6
17.5°	615.6	618.3	617.6	616.3	609.5
20°	487.4	487.4	482.7	479.9	475.8
22.5°	372.2	370.9	368.8	366.8	368.1
25°	279.5	282.9	280.9	280.9	279.5
27.5°	211.3	215.4	212.0	210.0	211.3
30°	160.9	162.2	160.9	160.2	160.2
32.5°	121.3	122.0	121.3	121.3	121.3
35°	92.7	92.7	93.4	93.4	92.7
37.5°	71.6	71.6	71.6	71.6	72.3
40°	55.2	55.9	55.9	55.9	55.9
42.5°	43.6	44.3	44.3	44.3	44.3
45°	35.4	35.4	35.4	35.4	35.4
47.5°	28.6	28.6	28.6	28.6	29.3
50°	23.2	23.9	23.9	23.9	23.9
52.5°	19.8	19.8	19.8	19.8	19.8
55°	16.4	16.4	16.4	17.0	17.0
57.5°	13.6	13.6	14.3	14.3	14.3
60°	11.6	12.3	12.3	12.3	12.3
62.5°	10.2	10.2	10.9	10.9	10.9
65°	8.9	8.9	8.9	8.9	8.9
67.5°	7.5	7.5	7.5	7.5	8.2
70°	6.1	6.1	6.1	6.8	6.8
72.5°	5.5	5.5	5.5	5.5	5.5
75°	4.1	4.1	4.1	4.8	4.8
77.5°	3.4	3.4	3.4	3.4	3.4
80°	2.7	2.7	2.7	2.7	2.7
82.5°	1.4	1.4	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	0.7
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)