

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: P1307948

Luminaire Tested: LDSQA3D09R259027DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307948
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: LDSQA3D09R259027DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

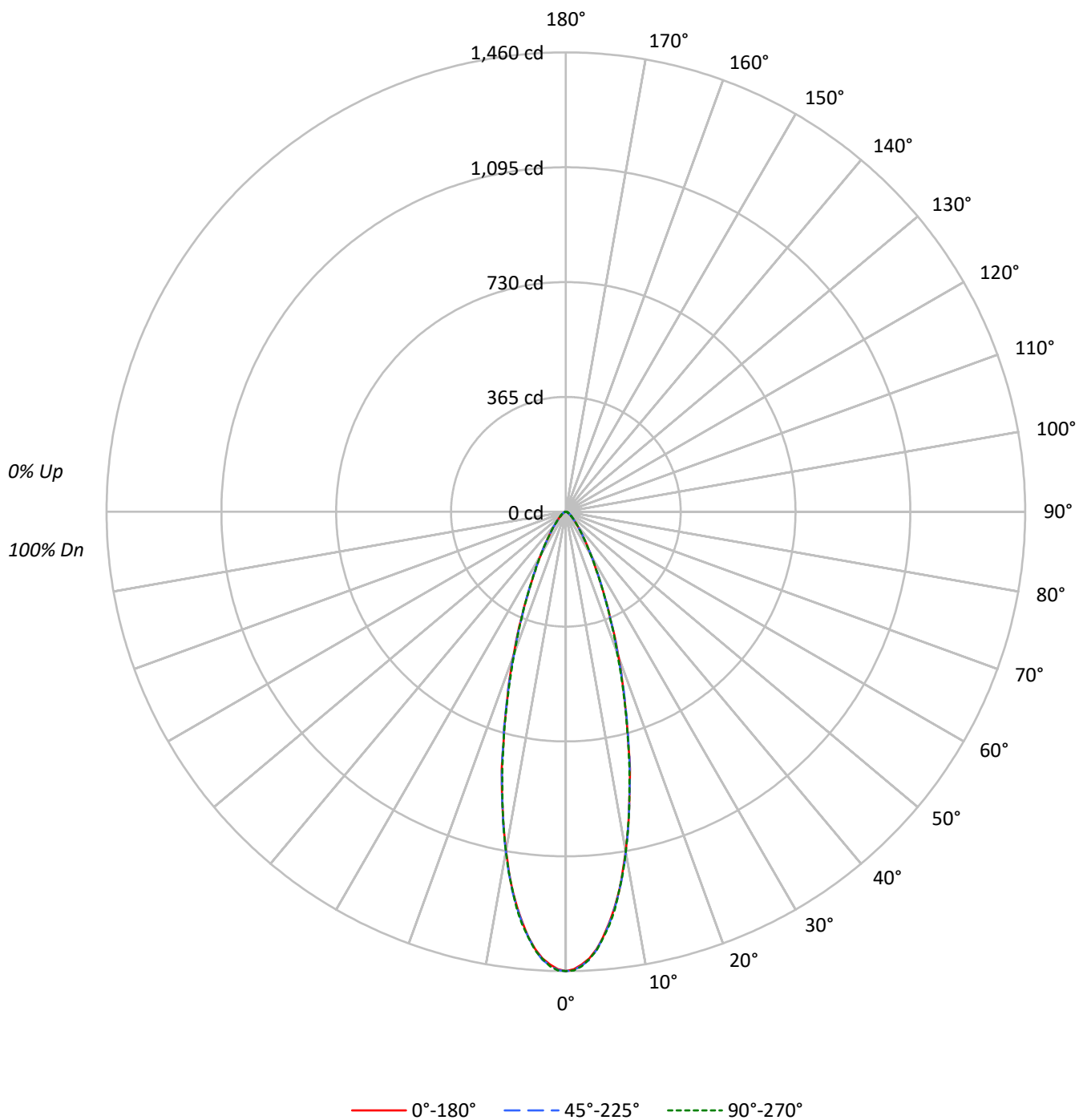
Lumens per Lamp: N/A
Luminaire Lumens: 585.0 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	251445	251445	251445
5°	234703	234927	235048
10°	191441	192035	192035
15°	136737	137468	136737
20°	89493	88614	87367
25°	53207	53454	53207
30°	32057	32057	31918
35°	19532	19679	19532
40°	12433	12590	12590
45°	8646	8646	8646
50°	6216	6404	6404
55°	4924	4924	5134
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: 8646 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	20.7
10°-20°	211.5	36.2
20°-30°	133.0	22.7
30°-40°	60.8	10.4
40°-50°	28.4	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°	465.8	79.6
0°-40°	526.6	90.0
0°-60°	570.3	97.5
0°-90°	585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	585.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1460	1460	1460	1460	1460	
5°	1358	1360	1359	1360	1360	121
15°	767	772	771	772	767	211
25°	280	283	281	281	280	133
35°	93	93	94	94	93	61
45°	36	36	36	36	36	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°	1460.0	1460.0	1460.0	1460.0	1460.0
1°	1453.9	1455.2	1456.6	1458.6	1458.0
2°	1440.2	1442.9	1443.6	1446.3	1445.7
3°	1421.8	1421.1	1426.5	1426.5	1423.1
4°	1393.1	1394.4	1395.8	1397.2	1397.9
5°	1357.6	1360.3	1358.9	1360.3	1359.6
6°	1313.9	1318.0	1317.3	1318.6	1320.7
7°	1267.4	1270.2	1270.2	1268.8	1274.3
8°	1216.9	1214.8	1218.3	1216.9	1216.2
9°	1156.8	1160.9	1161.6	1158.2	1159.5
10°	1094.7	1097.4	1098.1	1100.1	1098.1
11°	1033.2	1033.2	1034.6	1038.0	1032.5
12°	966.3	972.4	966.3	969.0	966.3
13°	902.8	904.1	902.8	902.1	897.3
14°	842.7	837.9	839.3	833.8	834.5
15°	766.9	771.7	771.0	772.3	766.9
17.5°	616.6	619.4	618.7	617.3	610.5
20°	488.3	488.3	483.5	480.7	476.7
22.5°	372.9	371.5	369.4	367.4	368.8
25°	280.0	283.4	281.3	281.3	280.0
27.5°	211.7	215.8	212.4	210.3	211.7
30°	161.2	162.5	161.2	160.5	160.5
32.5°	121.6	122.2	121.6	121.6	121.6
35°	92.9	92.9	93.6	93.6	92.9
37.5°	71.7	71.7	71.7	71.7	72.4
40°	55.3	56.0	56.0	56.0	56.0
42.5°	43.7	44.4	44.4	44.4	44.4
45°	35.5	35.5	35.5	35.5	35.5
47.5°	28.7	28.7	28.7	28.7	29.4
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	17.1	17.1
57.5°	13.7	13.7	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)