

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: P1311433

Luminaire Tested: LDSQA3D13R159040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

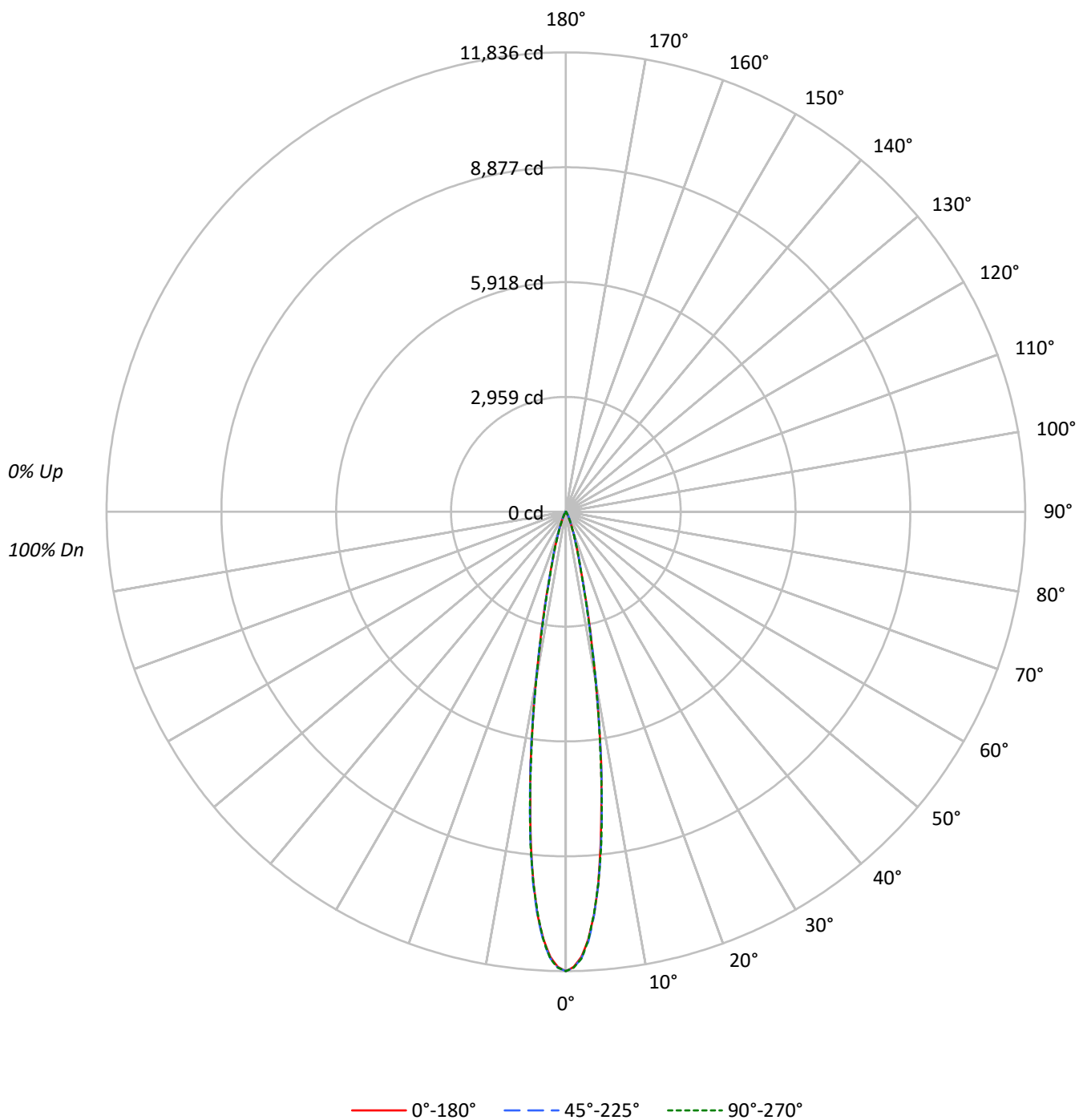
Lumens per Lamp: N/A
Luminaire Lumens: 1321.0 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2038444	2038444	2038444
5°	1659670	1665099	1661848
10°	774191	781152	771271
15°	243109	245160	243680
20°	96330	100160	93251
25°	38917	47051	37530
30°	15591	21398	14756
35°	4604	9440	4394
40°	1416	3530	1169
45°	244	755	244
50°	0	268	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	741.1	56.1
10°-20°	443.2	33.6
20°-30°	111.8	8.5
30°-40°	22.8	1.7
40°-50°	2.1	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1296.0	98.1
0°-40°	1318.9	99.8
0°-60°	1321.0	100.0
0°-90°	1321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1321.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11836	11836	11836	11836	11836	
5°	9600	9582	9632	9607	9613	739
15°	1364	1375	1375	1355	1367	443
25°	205	224	248	219	198	105
35°	22	29	45	28	21	18
45°	1	2	3	2	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11836.1	11836.1	11836.1	11836.1	11836.1
1°	11729.5	11769.2	11748.3	11765.1	11746.3
2°	11475.6	11528.9	11512.2	11507.0	11521.6
3°	11028.4	11090.1	11088.0	11072.3	11047.2
4°	10418.2	10393.2	10431.8	10427.6	10384.8
5°	9600.1	9582.4	9631.5	9607.4	9612.7
6°	8599.2	8676.5	8659.8	8661.8	8681.7
7°	7524.0	7565.8	7601.3	7630.6	7589.8
8°	6536.6	6526.2	6529.3	6562.7	6449.9
9°	5431.2	5495.9	5454.1	5387.3	5430.1
10°	4427.0	4466.8	4466.8	4408.2	4410.3
11°	3529.5	3561.9	3538.9	3553.6	3461.6
12°	2845.1	2764.7	2745.9	2760.5	2759.5
13°	2172.3	2177.5	2172.3	2171.2	2160.8
14°	1703.1	1730.3	1718.8	1690.6	1678.0
15°	1363.5	1375.0	1375.0	1355.2	1366.7
17.5°	819.2	832.7	835.9	822.3	822.3
20°	525.6	531.8	546.5	526.6	508.8
22.5°	323.9	337.5	362.6	333.3	318.7
25°	204.8	223.6	247.6	219.4	197.5
27.5°	128.5	144.2	165.1	137.9	124.3
30°	78.4	88.8	107.6	86.7	74.2
32.5°	43.9	52.2	67.9	50.2	41.8
35°	21.9	29.3	44.9	28.2	20.9
37.5°	12.5	15.7	28.2	13.6	11.5
40°	6.3	8.4	15.7	8.4	5.2
42.5°	2.1	4.2	6.3	4.2	2.1
45°	1.0	2.1	3.1	2.1	1.0
47.5°	0.0	0.0	1.0	0.0	0.0
50°	0.0	0.0	1.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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)