

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: P1308094

Luminaire Tested: LDSQA3D13R209027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

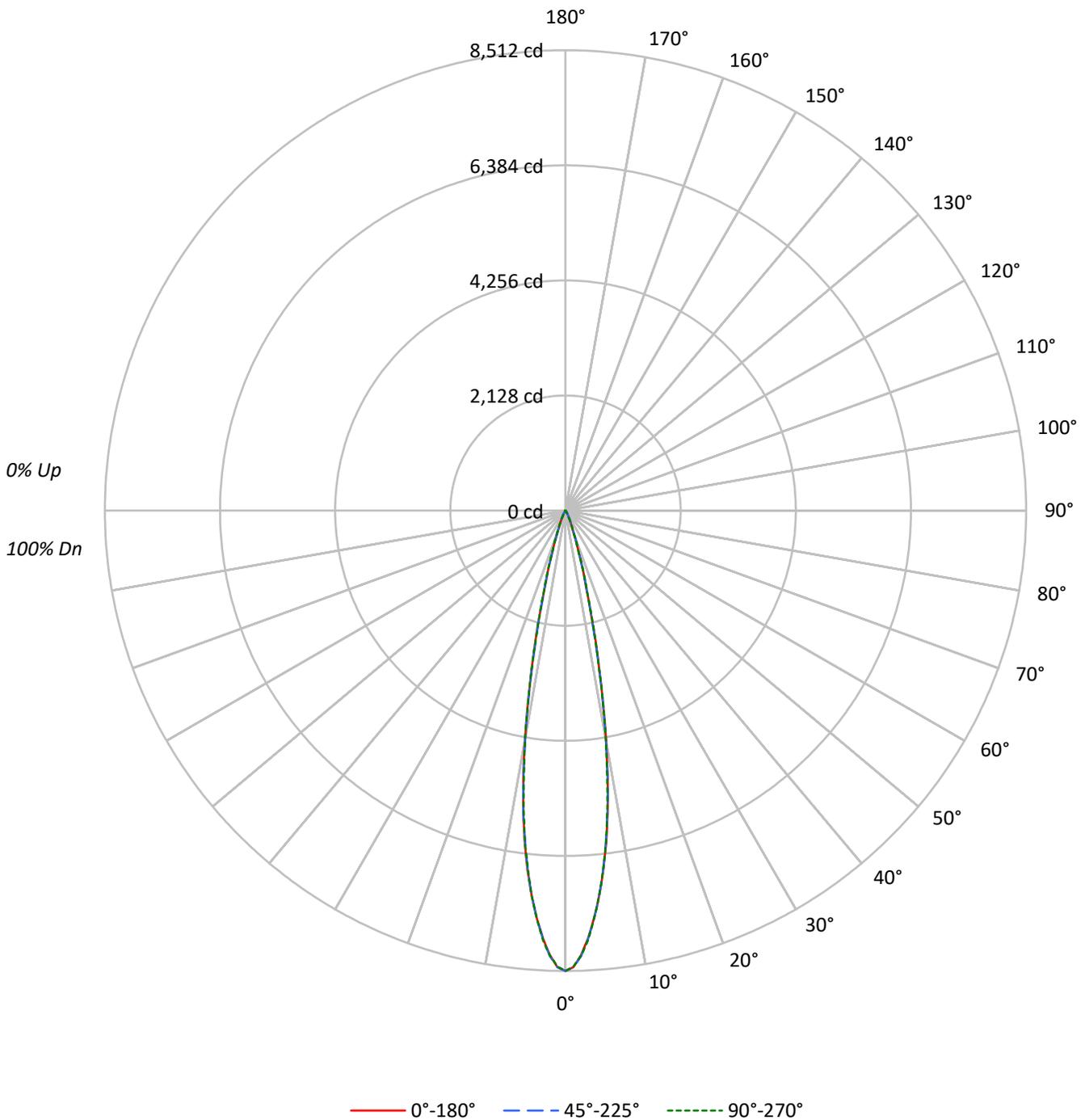
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1173.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
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 (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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1465959	1465959	1465959
5°	1235577	1236044	1235421
10°	752926	749446	751195
15°	265218	266342	274597
20°	83335	85663	83830
25°	31221	34148	32077
30°	12091	17142	12628
35°	4583	7632	4962
40°	2451	3260	2451
45°	877	1559	1096
50°	482	723	482
55°	540	540	540
60°	310	310	310
65°	367	367	367
70°	453	453	453
75°	0	0	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1559 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	590.9	50.4
10°-20°	463.3	39.5
20°-30°	91.0	7.8
30°-40°	20.4	1.7
40°-50°	4.6	0.4
50°-60°	1.5	0.1
60°-70°	0.9	0.1
70°-80°	0.4	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°	1145.2	97.6
0°-40°	1165.6	99.4
0°-60°	1171.7	99.9
0°-90°	1173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1173.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8512	8512	8512	8512	8512	
5°	7147	7153	7150	7174	7146	592
15°	1488	1494	1494	1526	1540	462
25°	164	175	180	177	169	87
35°	22	26	36	26	24	16
45°	4	5	6	5	4	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	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°	8512.0	8512.0	8512.0	8512.0	8512.0
1°	8443.0	8424.8	8445.7	8429.4	8433.0
2°	8224.3	8214.3	8241.5	8224.3	8233.4
3°	7920.2	7907.5	7927.5	7928.4	7953.8
4°	7557.2	7532.7	7562.7	7563.6	7568.1
5°	7147.0	7153.4	7149.7	7174.2	7146.1
6°	6686.0	6706.8	6679.6	6693.2	6654.2
7°	6170.5	6144.2	6130.5	6135.1	6162.3
8°	5601.4	5583.3	5603.3	5575.1	5556.1
9°	4968.9	4937.1	4958.9	4931.7	4904.4
10°	4305.4	4290.9	4285.5	4254.6	4295.5
11°	3640.2	3596.6	3618.4	3603.0	3647.5
12°	3017.6	3021.3	2978.6	2992.2	2997.7
13°	2455.8	2397.8	2405.0	2442.2	2448.6
14°	1905.0	1913.1	1915.9	1942.2	1957.6
15°	1487.5	1493.8	1493.8	1526.5	1540.1
17.5°	797.7	797.7	815.0	818.6	820.4
20°	454.7	457.4	467.4	466.5	457.4
22.5°	272.3	277.7	283.2	277.7	272.3
25°	164.3	175.2	179.7	177.0	168.8
27.5°	98.0	109.8	122.5	112.5	97.1
30°	60.8	67.2	86.2	69.0	63.5
32.5°	33.6	43.6	59.0	45.4	34.5
35°	21.8	26.3	36.3	26.3	23.6
37.5°	15.4	18.2	22.7	19.1	16.3
40°	10.9	12.7	14.5	13.6	10.9
42.5°	7.3	9.1	10.0	9.1	7.3
45°	3.6	5.4	6.4	5.4	4.5
47.5°	1.8	2.7	4.5	2.7	1.8
50°	1.8	1.8	2.7	1.8	1.8
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	0.9	1.8	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.9
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)