

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: P1315663

Luminaire Tested: LDSQA3D13R459735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R459735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

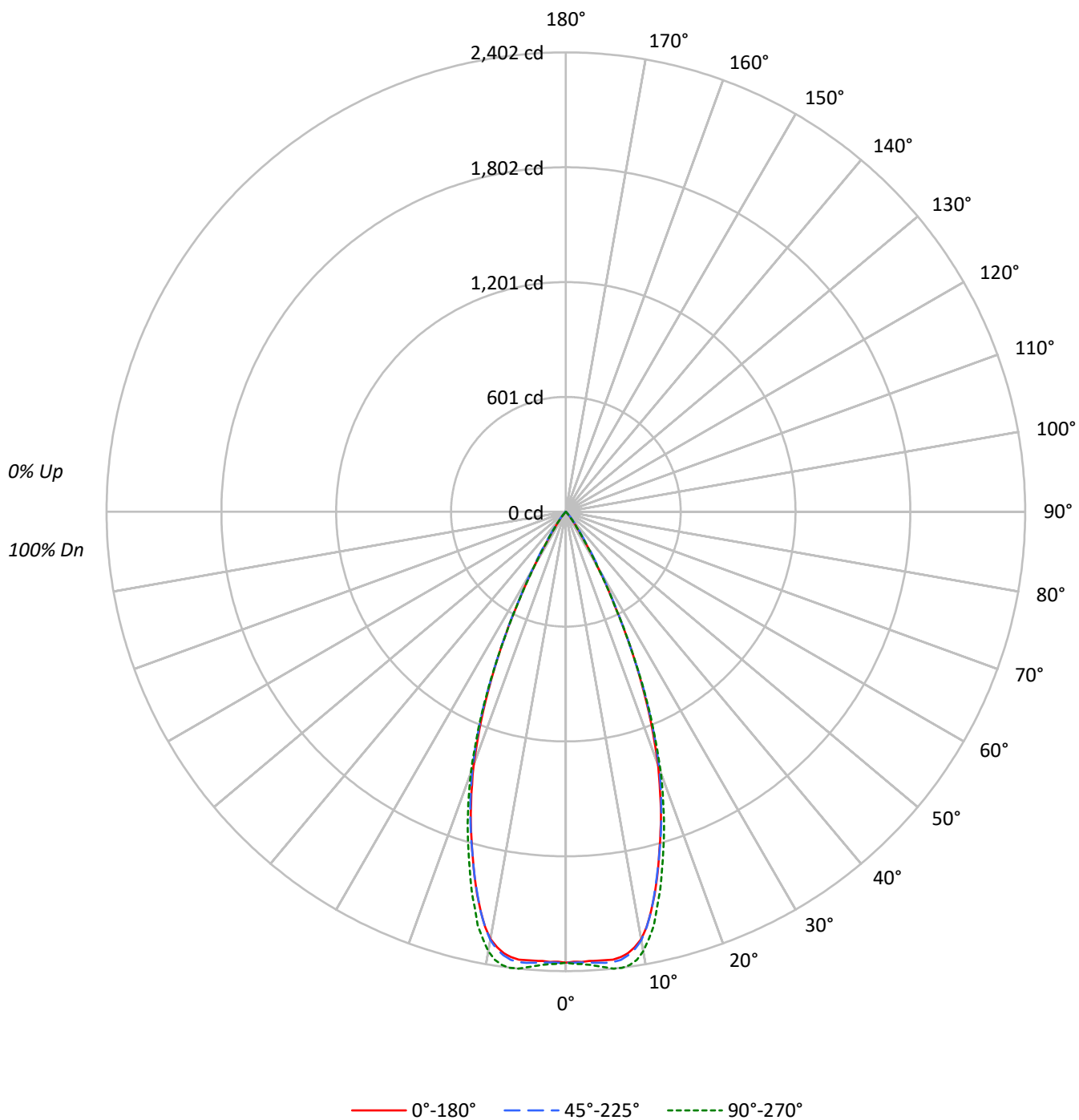
Lumens per Lamp: N/A
Luminaire Lumens: 1219.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	406067	406067	406067
5°	406978	409329	413409
10°	396801	397588	408046
15°	334754	334915	345898
20°	258400	262066	266373
25°	160306	160478	161523
30°	66143	70279	65049
35°	20583	25145	19805
40°	6317	8768	5913
45°	438	3312	438
50°	0	482	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: 3312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.4	18.4
10°-20°	521.7	42.8
20°-30°	382.7	31.4
30°-40°	82.3	6.7
40°-50°	7.8	0.6
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°	1128.9	92.6
0°-40°	1211.1	99.4
0°-60°	1219.0	100.0
0°-90°	1219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2358	2358	2358	2358	2358	
5°	2354	2360	2368	2384	2391	223
15°	1878	1874	1878	1908	1940	517
25°	844	841	844	844	850	378
35°	98	105	120	102	94	77
45°	2	5	14	5	2	5
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°	2357.8	2357.8	2357.8	2357.8	2357.8
1°	2353.2	2358.7	2358.7	2362.3	2364.1
2°	2355.0	2358.7	2357.8	2364.1	2366.8
3°	2352.3	2358.7	2360.5	2367.7	2372.3
4°	2353.2	2358.7	2364.1	2375.0	2381.3
5°	2354.1	2360.5	2367.7	2384.0	2391.3
6°	2355.0	2359.6	2367.7	2388.6	2402.2
7°	2346.0	2352.3	2361.4	2387.7	2402.2
8°	2331.5	2335.1	2342.4	2376.8	2394.0
9°	2304.3	2303.4	2314.3	2352.3	2372.3
10°	2269.0	2258.1	2273.5	2311.5	2333.3
11°	2211.9	2200.1	2213.7	2254.5	2275.3
12°	2137.6	2137.6	2140.3	2176.5	2212.8
13°	2058.7	2049.7	2055.1	2095.9	2121.3
14°	1971.7	1962.7	1968.1	1998.9	2038.8
15°	1877.5	1873.9	1878.4	1908.3	1940.0
17.5°	1653.7	1645.5	1661.8	1691.8	1708.1
20°	1409.9	1423.5	1429.9	1448.9	1453.4
22.5°	1129.9	1144.4	1153.5	1156.2	1158.9
25°	843.6	840.9	844.5	844.5	850.0
27.5°	554.6	554.6	564.5	558.2	551.8
30°	332.6	346.1	353.4	341.6	327.1
32.5°	181.2	194.8	206.6	189.4	176.7
35°	97.9	105.1	119.6	102.4	94.2
37.5°	53.5	59.8	68.9	58.0	53.5
40°	28.1	34.4	39.0	34.4	26.3
42.5°	9.1	17.2	22.7	17.2	8.2
45°	1.8	5.4	13.6	5.4	1.8
47.5°	0.0	0.9	6.3	0.9	0.0
50°	0.0	0.0	1.8	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)