

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: P1312777

Luminaire Tested: LDSQA3D17R559050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R559050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

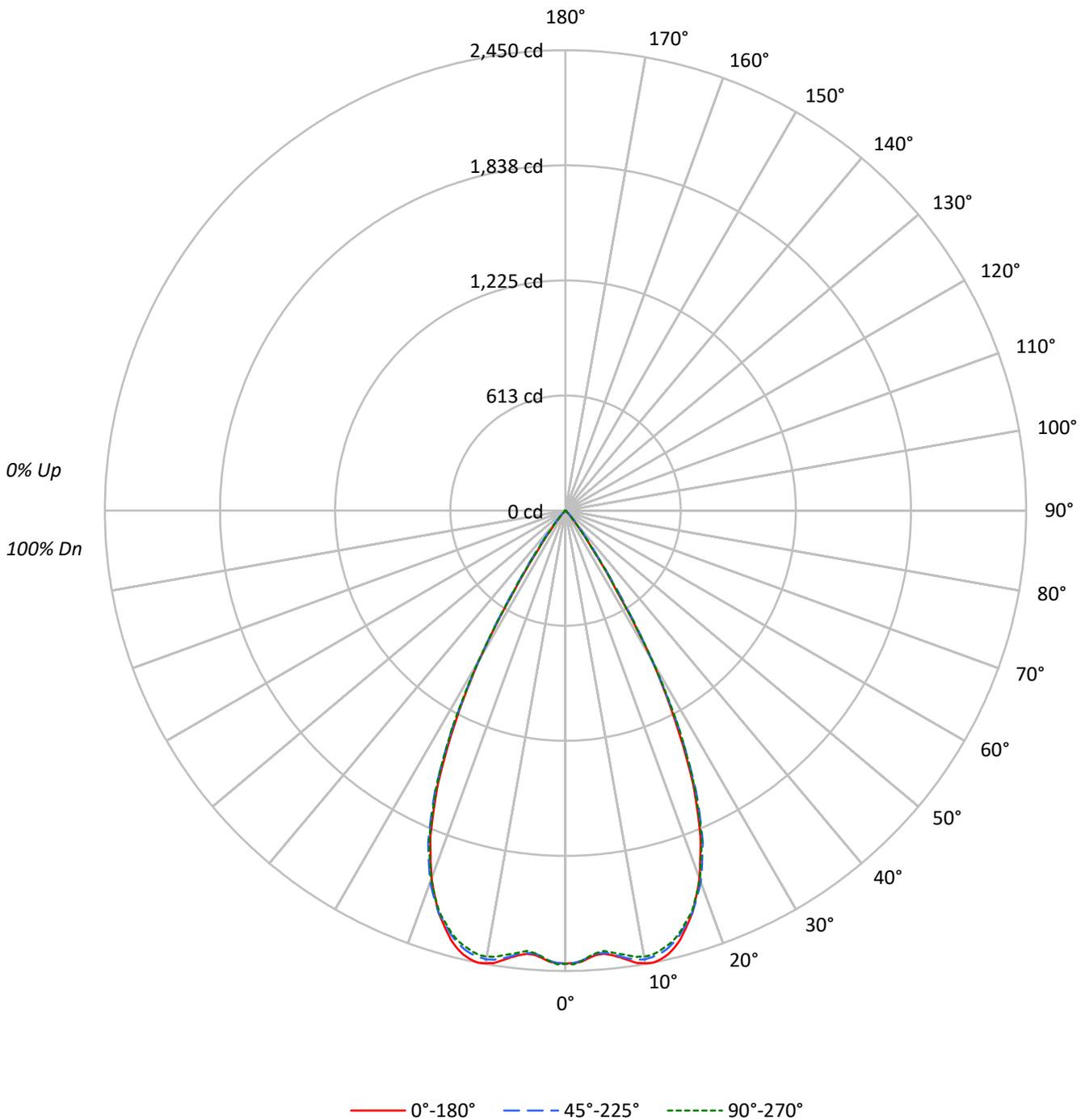
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1849.0 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	415246	415246	415246
5°	409312	408568	406632
10°	427808	424118	421407
15°	421122	417360	415613
20°	381873	385740	382899
25°	305373	311777	308831
30°	183135	183135	185363
35°	52919	62674	54685
40°	15175	20549	15175
45°	3434	7867	3434
50°	1500	2626	1125
55°	1261	1261	1261
60°	1447	1447	1447
65°	1141	1141	1141
70°	1410	1410	1410
75°	932	932	932
80°	1389	1389	1389
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 7867 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.6	12.4
10°-20°	651.6	35.2
20°-30°	717.9	38.8
30°-40°	219.6	11.9
40°-50°	21.7	1.2
50°-60°	4.0	0.2
60°-70°	3.2	0.2
70°-80°	1.8	0.1
80°-90°	0.6	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°	1598.1	86.4
0°-40°	1817.7	98.3
0°-60°	1843.4	99.7
0°-90°	1849.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1849.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2411	2411	2411	2411	2411	
5°	2368	2368	2363	2356	2352	230
15°	2362	2358	2341	2331	2331	655
25°	1607	1622	1641	1656	1625	708
35°	252	264	298	274	260	206
45°	14	21	32	21	14	17
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2411.1	2411.1	2411.1	2411.1	2411.1
1°	2408.3	2409.7	2408.3	2405.5	2415.4
2°	2402.7	2401.3	2397.1	2395.7	2399.9
3°	2384.4	2384.4	2378.8	2376.0	2377.4
4°	2370.4	2370.4	2361.9	2359.1	2360.5
5°	2367.6	2367.6	2363.3	2356.3	2352.1
6°	2378.8	2381.6	2371.8	2364.7	2364.7
7°	2395.7	2397.1	2390.1	2380.2	2377.4
8°	2416.8	2418.2	2406.9	2395.7	2390.1
9°	2437.9	2435.0	2419.6	2408.3	2404.1
10°	2446.3	2444.9	2425.2	2414.0	2409.7
11°	2450.5	2443.5	2421.0	2411.1	2409.7
12°	2440.7	2435.0	2411.1	2401.3	2397.1
13°	2423.8	2415.4	2395.7	2385.8	2380.2
14°	2397.1	2388.6	2370.4	2359.1	2360.5
15°	2361.9	2357.7	2340.8	2331.0	2331.0
17.5°	2245.2	2248.1	2243.8	2239.6	2236.8
20°	2083.6	2094.8	2104.7	2099.0	2089.2
22.5°	1876.9	1896.6	1907.8	1910.6	1892.4
25°	1607.0	1622.4	1640.7	1656.2	1625.2
27.5°	1270.9	1285.0	1301.9	1311.7	1307.5
30°	920.9	922.3	920.9	939.2	932.1
32.5°	511.8	553.9	561.0	573.6	528.6
35°	251.7	264.3	298.1	274.2	260.1
37.5°	120.9	129.3	161.7	132.2	126.5
40°	67.5	73.1	91.4	75.9	67.5
42.5°	32.3	42.2	49.2	43.6	32.3
45°	14.1	21.1	32.3	21.1	14.1
47.5°	5.6	8.4	19.7	8.4	5.6
50°	5.6	4.2	9.8	4.2	4.2
52.5°	4.2	4.2	5.6	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	4.2
60°	4.2	4.2	4.2	4.2	4.2
62.5°	2.8	4.2	4.2	4.2	2.8
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	2.8	2.8	2.8	2.8	2.8
72.5°	1.4	2.8	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4
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)