

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: P1311700

Luminaire Tested: LDSQA3D17R559040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311700
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: LDSQA3D17R559040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

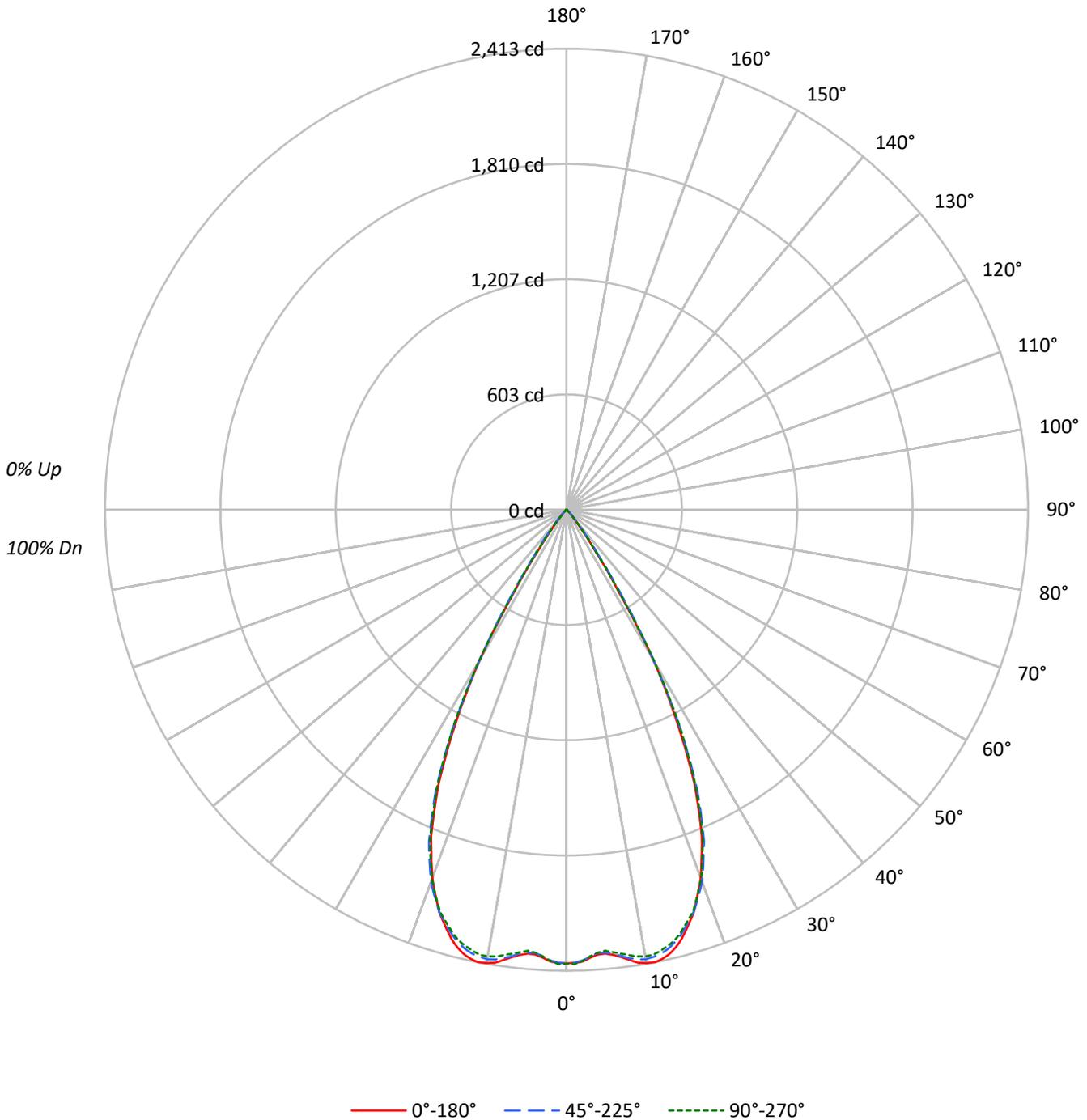
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1821.1 lumens
Efficiency: N/A
Efficacy: 85.9 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°	408960	408960	408960
5°	403105	402397	400478
10°	421320	417700	415024
15°	414757	411048	409319
20°	376081	379893	377108
25°	300736	307064	304157
30°	180351	180351	182559
35°	52099	61707	53865
40°	14951	20234	14951
45°	3361	7745	3361
50°	1474	2599	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: 7745 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.1	12.4
10°-20°	641.7	35.2
20°-30°	707.0	38.8
30°-40°	216.3	11.9
40°-50°	21.4	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°	1573.9	86.4
0°-40°	1790.2	98.3
0°-60°	1815.6	99.7
0°-90°	1821.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1821.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2375	2375	2375	2375	2375	
5°	2332	2332	2328	2321	2316	226
15°	2326	2322	2305	2296	2296	645
25°	1583	1598	1616	1631	1601	697
35°	248	260	294	270	256	203
45°	14	21	32	21	14	16
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°	2374.6	2374.6	2374.6	2374.6	2374.6
1°	2371.9	2373.2	2371.9	2369.1	2378.8
2°	2366.3	2364.9	2360.8	2359.4	2363.6
3°	2348.3	2348.3	2342.8	2340.0	2341.4
4°	2334.5	2334.5	2326.2	2323.4	2324.8
5°	2331.7	2331.7	2327.6	2320.6	2316.5
6°	2342.8	2345.6	2335.9	2328.9	2328.9
7°	2359.4	2360.8	2353.9	2344.2	2341.4
8°	2380.2	2381.6	2370.5	2359.4	2353.9
9°	2400.9	2398.2	2382.9	2371.9	2367.7
10°	2409.2	2407.9	2388.5	2377.4	2373.2
11°	2413.4	2406.5	2384.3	2374.6	2373.2
12°	2403.7	2398.2	2374.6	2364.9	2360.8
13°	2387.1	2378.8	2359.4	2349.7	2344.2
14°	2360.8	2352.5	2334.5	2323.4	2324.8
15°	2326.2	2322.0	2305.4	2295.7	2295.7
17.5°	2211.2	2214.0	2209.9	2205.7	2202.9
20°	2052.0	2063.1	2072.8	2067.2	2057.6
22.5°	1848.5	1867.9	1878.9	1881.7	1863.7
25°	1582.6	1597.9	1615.9	1631.1	1600.6
27.5°	1251.7	1265.5	1282.2	1291.9	1287.7
30°	906.9	908.3	906.9	924.9	918.0
32.5°	504.0	545.5	552.5	564.9	520.6
35°	247.8	260.3	293.5	270.0	256.2
37.5°	119.1	127.4	159.2	130.2	124.6
40°	66.5	72.0	90.0	74.8	66.5
42.5°	31.8	41.5	48.5	42.9	31.8
45°	13.8	20.8	31.8	20.8	13.8
47.5°	5.5	8.3	19.4	8.3	5.5
50°	5.5	4.2	9.7	4.2	4.2
52.5°	4.2	4.2	5.5	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)