

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: P1314041

Luminaire Tested: LDSQA3D20R559727D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

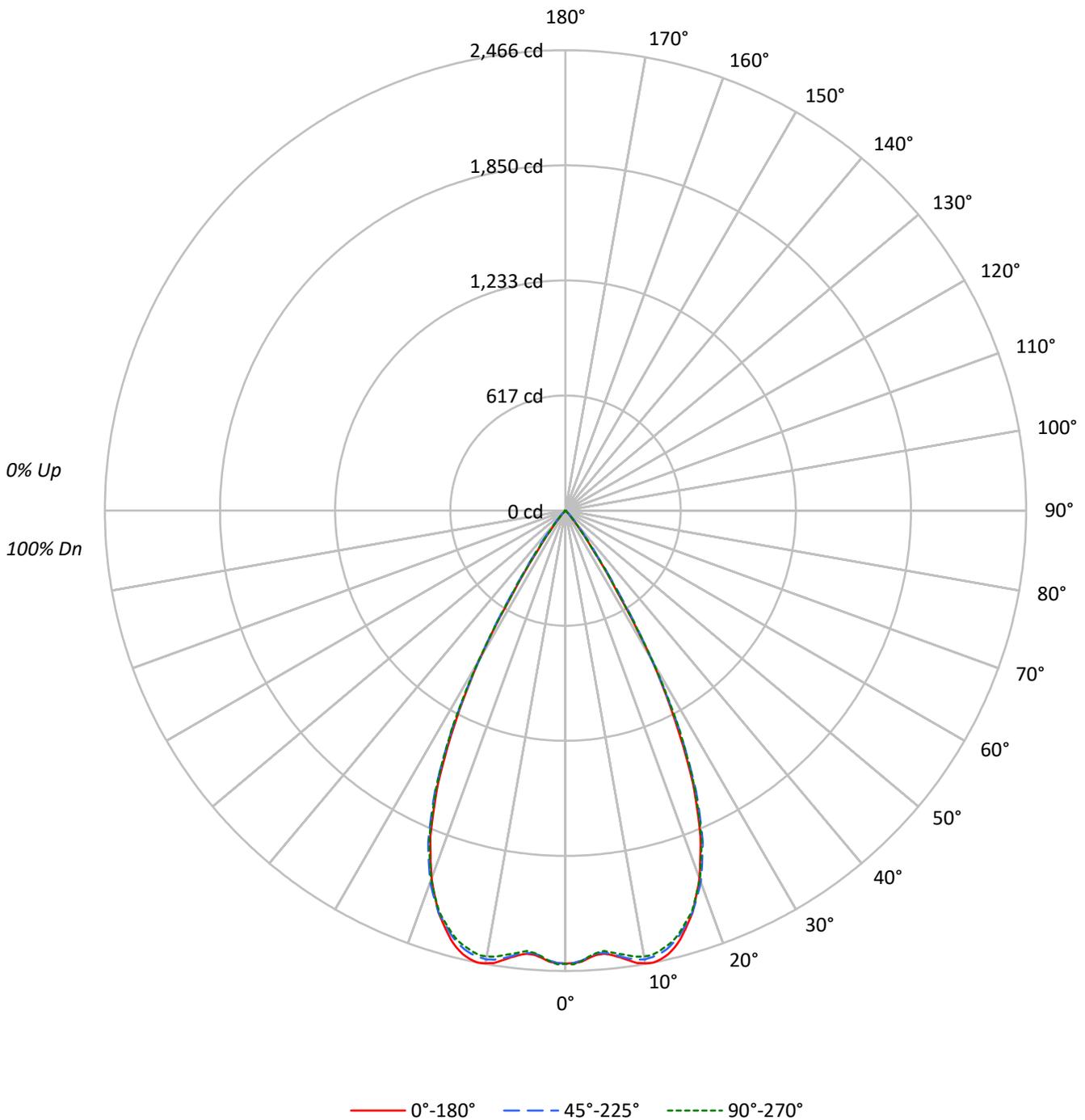
Test Method: LM-79-2019  
Report Number: P1314041  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R559727D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1860.9 lumens  
Efficiency: N/A  
Efficacy: 64.6 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): 28.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	417950	417950	417950
5°	411957	411231	409277
10°	430588	426863	424153
15°	423868	420070	418305
20°	384347	388233	385373
25°	307349	313810	310846
30°	184329	184329	186576
35°	53255	63074	55042
40°	15265	20684	15265
45°	3459	7916	3459
50°	1527	2653	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: 7916 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.1	12.4
10°-20°	655.8	35.2
20°-30°	722.6	38.8
30°-40°	221.0	11.9
40°-50°	21.9	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°	1608.5	86.4
0°-40°	1829.5	98.3
0°-60°	1855.4	99.7
0°-90°	1860.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1860.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2427	2427	2427	2427	2427	
5°	2383	2383	2379	2372	2367	231
15°	2377	2373	2356	2346	2346	659
25°	1617	1633	1651	1667	1636	713
35°	253	266	300	276	262	208
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°	2426.8	2426.8	2426.8	2426.8	2426.8
1°	2424.0	2425.4	2424.0	2421.1	2431.0
2°	2418.3	2416.9	2412.6	2411.2	2415.5
3°	2399.9	2399.9	2394.2	2391.4	2392.8
4°	2385.8	2385.8	2377.3	2374.4	2375.9
5°	2382.9	2382.9	2378.7	2371.6	2367.4
6°	2394.2	2397.1	2387.2	2380.1	2380.1
7°	2411.2	2412.6	2405.6	2395.7	2392.8
8°	2432.5	2433.9	2422.5	2411.2	2405.6
9°	2453.7	2450.8	2435.3	2424.0	2419.7
10°	2462.2	2460.8	2440.9	2429.6	2425.4
11°	2466.4	2459.3	2436.7	2426.8	2425.4
12°	2456.5	2450.8	2426.8	2416.9	2412.6
13°	2439.5	2431.0	2411.2	2401.3	2395.7
14°	2412.6	2404.2	2385.8	2374.4	2375.9
15°	2377.3	2373.0	2356.0	2346.1	2346.1
17.5°	2259.8	2262.6	2258.4	2254.2	2251.3
20°	2097.1	2108.4	2118.3	2112.7	2102.7
22.5°	1889.1	1908.9	1920.2	1923.0	1904.6
25°	1617.4	1633.0	1651.4	1666.9	1635.8
27.5°	1279.2	1293.3	1310.3	1320.2	1316.0
30°	926.9	928.3	926.9	945.2	938.2
32.5°	515.1	557.5	564.6	577.3	532.1
35°	253.3	266.0	300.0	275.9	261.8
37.5°	121.7	130.2	162.7	133.0	127.4
40°	67.9	73.6	92.0	76.4	67.9
42.5°	32.5	42.5	49.5	43.9	32.5
45°	14.2	21.2	32.5	21.2	14.2
47.5°	5.7	8.5	19.8	8.5	5.7
50°	5.7	4.2	9.9	4.2	4.2
52.5°	4.2	4.2	5.7	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)