

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: P1307072

Luminaire Tested: LDSQA3D09R709024DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

**Test Information**

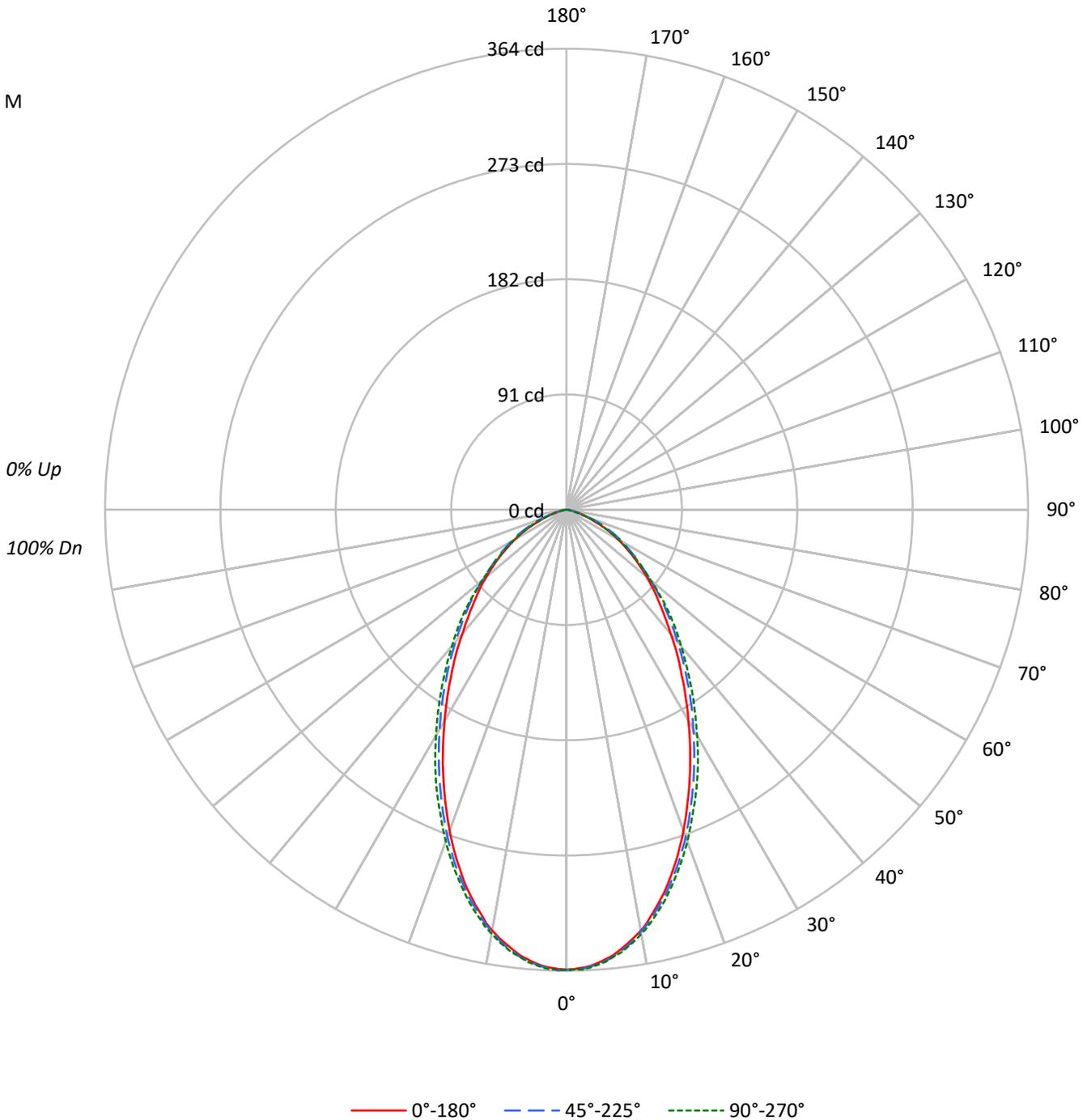
Test Method: LM-79-2019  
Report Number: P1307072  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709024DE010 3LSQCLDWWR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCLDWWR1MB TRI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 520.0 lumens  
Efficiency: N/A  
Efficacy: 46.8 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 11.1  
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	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	91	91	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	80	80	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	64	64	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	52	52	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	47	47	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	62551	62551	62551
5°	61563	61787	61909
10°	59004	59127	59459
15°	54755	55219	55682
20°	49429	50364	51079
25°	43763	44998	46100
30°	38242	39773	40927
35°	33240	35006	36078
40°	28710	30598	31610
45°	25135	26865	27668
50°	22131	23176	23176
55°	19187	20148	19577
60°	16223	17326	16430
65°	12633	14467	13163
70°	9114	10726	9114
75°	6854	6455	5124
80°	4463	3174	1289
85°	1186	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 27668 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.5	6.4
10°-20°	86.4	16.6
20°-30°	108.5	20.9
30°-40°	103.6	19.9
40°-50°	84.3	16.2
50°-60°	59.0	11.3
60°-70°	33.3	6.4
70°-80°	10.5	2.0
80°-90°	0.8	0.2
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°	228.4	43.9
0°-40°	332.1	63.9
0°-60°	475.3	91.4
0°-90°	520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	520.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	363	363	363	363	363	
5°	356	357	357	357	358	33
15°	307	308	310	310	312	86
25°	230	233	237	241	243	106
35°	158	161	166	170	172	99
45°	103	106	110	112	114	80
55°	64	64	67	66	65	57
65°	31	33	36	34	32	31
75°	10	10	10	8	8	11
85°	1	1	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°	363.2	363.2	363.2	363.2	363.2
1°	362.6	363.2	363.9	362.6	363.2
2°	361.9	362.6	362.6	361.9	363.2
3°	360.7	361.3	361.3	360.7	361.9
4°	358.7	359.4	359.4	358.7	360.0
5°	356.1	356.8	357.4	356.8	358.1
6°	353.6	354.2	354.8	354.2	354.8
7°	349.7	351.0	351.0	351.0	352.3
8°	345.8	347.1	347.7	347.1	348.4
9°	341.9	342.6	343.2	343.2	344.5
10°	337.4	338.1	338.1	338.7	340.0
11°	332.3	332.3	333.6	333.6	335.5
12°	325.8	326.5	327.7	328.4	329.7
13°	320.0	320.7	321.9	322.6	324.5
14°	313.6	314.8	316.1	316.8	318.7
15°	307.1	307.7	309.7	310.3	312.3
17.5°	289.0	289.7	292.9	294.2	296.1
20°	269.7	271.6	274.8	276.8	278.7
22.5°	249.7	251.6	255.5	258.7	260.0
25°	230.3	232.9	236.8	240.6	242.6
27.5°	211.0	213.6	218.1	221.9	224.5
30°	192.3	194.8	200.0	203.2	205.8
32.5°	174.8	177.4	183.2	186.5	188.4
35°	158.1	160.6	166.5	169.7	171.6
37.5°	143.2	145.8	151.0	154.2	155.5
40°	127.7	131.0	136.1	139.4	140.6
42.5°	114.8	117.4	122.6	125.2	127.1
45°	103.2	105.8	110.3	112.3	113.6
47.5°	92.9	94.2	98.1	98.7	100.0
50°	82.6	83.9	86.5	87.1	86.5
52.5°	72.9	74.2	76.1	75.5	75.5
55°	63.9	64.5	67.1	65.8	65.2
57.5°	54.8	56.1	58.7	56.8	56.1
60°	47.1	48.4	50.3	49.0	47.7
62.5°	39.4	40.0	43.2	40.6	39.4
65°	31.0	32.9	35.5	33.5	32.3
67.5°	23.2	26.5	29.0	26.5	25.2
70°	18.1	19.4	21.3	20.0	18.1
72.5°	13.5	14.2	14.8	13.5	12.3
75°	10.3	10.3	9.7	8.4	7.7
77.5°	7.1	7.1	5.8	3.9	3.9
80°	4.5	4.5	3.2	1.3	1.3
82.5°	1.9	1.9	1.3	0.6	0.6
85°	0.6	0.6	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)