

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: P1308873

Luminaire Tested: LDSQA3D05R159030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

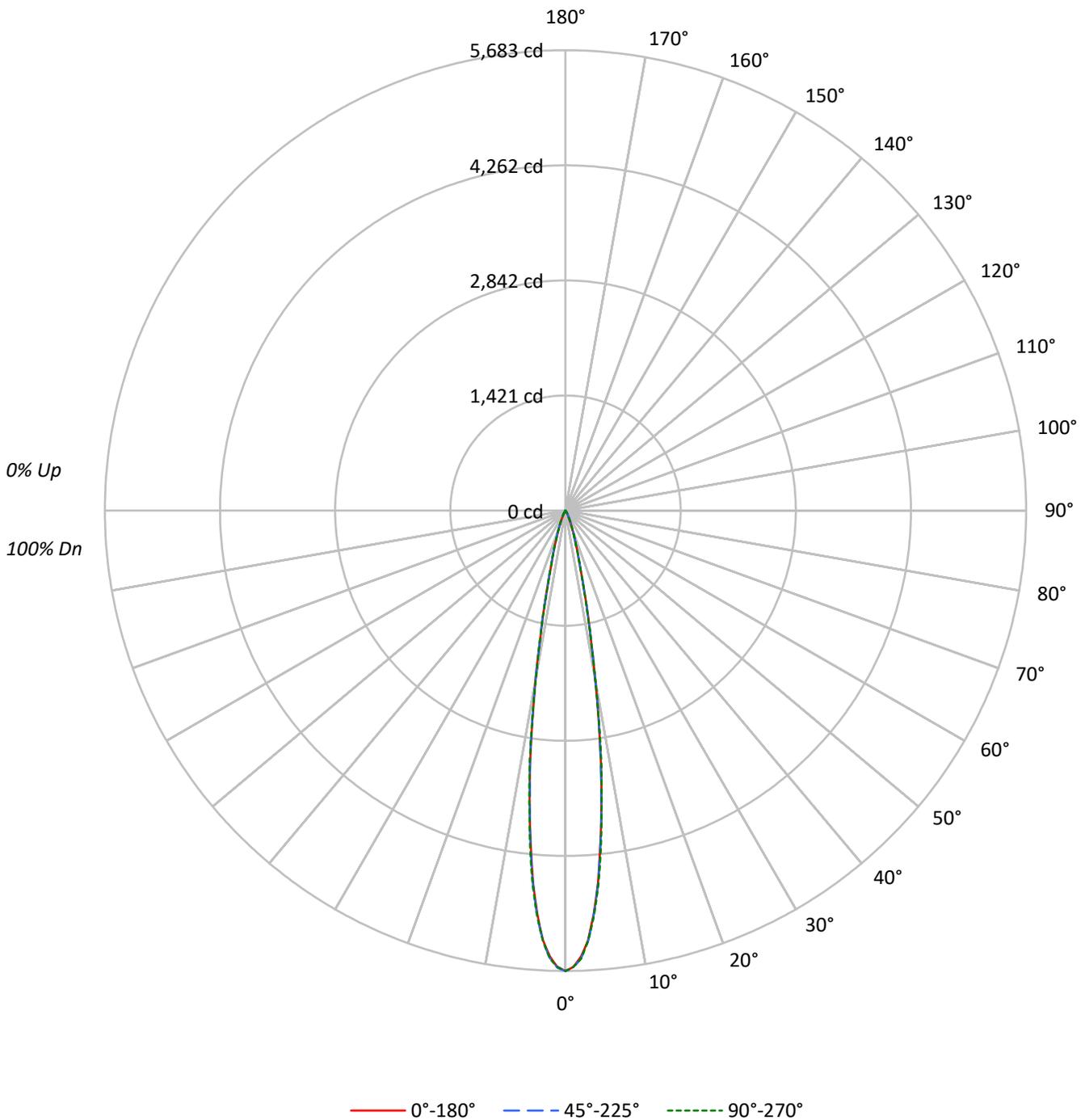
Test Method: LM-79-2019  
Report Number: P1308873  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159030DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 638.0 lumens  
Efficiency: N/A  
Efficacy: 88.6 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

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

	0°	45°	90°
0°	978758	978758	978758
5°	795873	798656	801422
10°	370657	371007	368996
15°	114681	118782	116553
20°	45727	48293	45177
25°	19136	22556	18186
30°	7776	10361	7179
35°	2523	4731	2313
40°	899	1911	899
45°	365	609	365
50°	268	402	268
55°	300	300	300
60°	344	344	344
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 609 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	355.7	55.8
10°-20°	212.7	33.3
20°-30°	54.1	8.5
30°-40°	11.8	1.8
40°-50°	1.9	0.3
50°-60°	0.9	0.1
60°-70°	0.6	0.1
70°-80°	0.3	0.1
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°	622.5	97.6
0°-40°	634.3	99.4
0°-60°	637.1	99.9
0°-90°	638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	638.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5683	5683	5683	5683	5683	
5°	4604	4610	4620	4599	4636	355
15°	643	661	666	657	654	212
25°	101	108	119	105	96	51
35°	12	16	22	15	11	9
45°	2	2	2	2	2	1
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
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°	5683.1	5683.1	5683.1	5683.1	5683.1
1°	5633.6	5643.1	5644.6	5643.1	5635.1
2°	5506.8	5534.9	5528.9	5516.8	5533.9
3°	5310.9	5325.0	5323.0	5324.0	5320.0
4°	4992.4	5016.9	5002.9	5013.4	5014.4
5°	4603.6	4610.1	4619.7	4598.6	4635.7
6°	4125.2	4166.8	4130.2	4166.3	4180.8
7°	3638.8	3662.9	3616.3	3641.3	3656.3
8°	3141.4	3099.3	3124.9	3125.4	3174.9
9°	2604.4	2612.9	2634.4	2609.9	2631.4
10°	2119.5	2139.0	2121.5	2113.0	2110.0
11°	1673.6	1695.7	1694.2	1696.7	1680.1
12°	1346.5	1335.0	1342.5	1318.0	1329.0
13°	1048.0	1048.5	1042.5	1032.4	1023.4
14°	821.0	816.0	830.1	817.5	806.0
15°	643.2	661.2	666.2	656.7	653.7
17.5°	396.7	397.2	404.3	395.2	394.2
20°	249.5	255.5	263.5	254.0	246.5
22.5°	157.8	163.3	175.8	163.8	153.3
25°	100.7	107.7	118.7	105.2	95.7
27.5°	63.1	69.6	80.2	67.6	60.6
30°	39.1	43.6	52.1	42.6	36.1
32.5°	22.5	27.1	34.1	25.5	21.5
35°	12.0	15.5	22.5	15.0	11.0
37.5°	7.0	9.0	14.5	8.0	6.5
40°	4.0	5.5	8.5	5.0	4.0
42.5°	2.5	3.5	4.0	3.0	2.0
45°	1.5	2.0	2.5	2.0	1.5
47.5°	1.0	1.5	2.0	1.0	1.0
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
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)