

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: P1318892

Luminaire Tested: LDSQA3D05R159835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

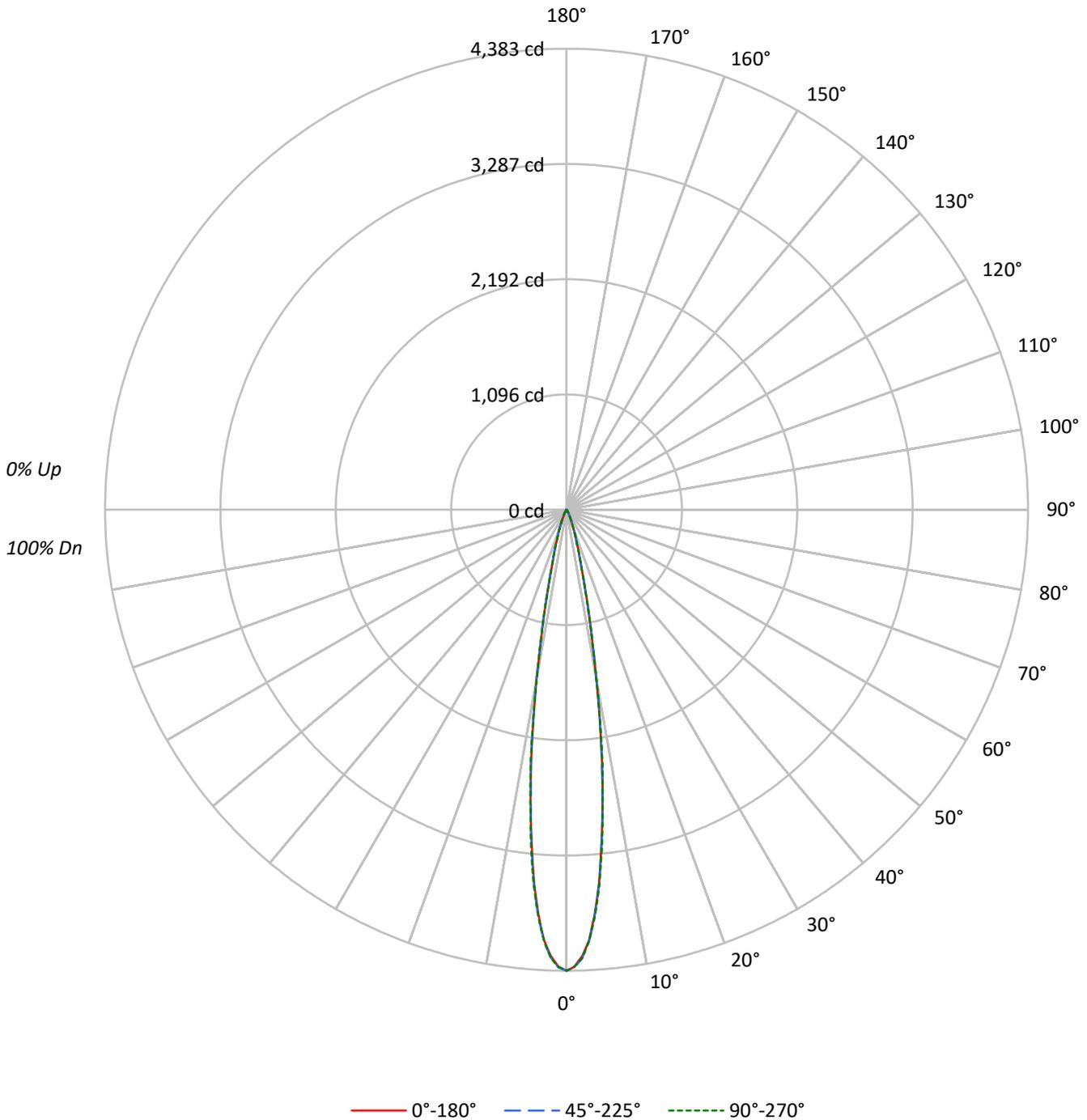
Test Method: LM-79-2019  
Report Number: P1318892  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 492.1 lumens  
Efficiency: N/A  
Efficacy: 68.3 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	99	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	86	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°	754783	754783	754783
5°	613743	615887	618031
10°	285840	286103	284546
15°	88436	91610	89880
20°	35262	37242	34841
25°	14746	17406	14024
30°	5986	7994	5528
35°	1955	3658	1787
40°	697	1484	697
45°	292	463	292
50°	214	322	214
55°	240	240	240
60°	276	276	276
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 463 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.3	55.8
10°-20°	164.0	33.3
20°-30°	41.7	8.5
30°-40°	9.1	1.8
40°-50°	1.5	0.3
50°-60°	0.7	0.1
60°-70°	0.4	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°	480.1	97.6
0°-40°	489.2	99.4
0°-60°	491.3	99.9
0°-90°	492.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	492.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4383	4383	4383	4383	4383	
5°	3550	3555	3562	3546	3575	274
15°	496	510	514	506	504	163
25°	78	83	92	81	74	39
35°	9	12	17	12	8	7
45°	1	2	2	2	1	1
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4382.6	4382.6	4382.6	4382.6	4382.6
1°	4344.4	4351.7	4352.9	4351.7	4345.5
2°	4246.6	4268.3	4263.6	4254.4	4267.5
3°	4095.6	4106.4	4104.9	4105.6	4102.5
4°	3849.9	3868.8	3858.0	3866.1	3866.9
5°	3550.1	3555.2	3562.5	3546.3	3574.9
6°	3181.2	3213.3	3185.1	3212.9	3224.1
7°	2806.1	2824.7	2788.7	2808.0	2819.6
8°	2422.5	2390.1	2409.8	2410.1	2448.4
9°	2008.4	2015.0	2031.6	2012.6	2029.3
10°	1634.5	1649.5	1636.0	1629.4	1627.1
11°	1290.6	1307.6	1306.5	1308.4	1295.7
12°	1038.4	1029.5	1035.3	1016.4	1024.9
13°	808.1	808.5	803.9	796.2	789.2
14°	633.2	629.3	640.1	630.4	621.6
15°	496.0	509.9	513.8	506.4	504.1
17.5°	306.0	306.3	311.7	304.8	304.0
20°	192.4	197.0	203.2	195.9	190.1
22.5°	121.7	125.9	135.6	126.3	118.2
25°	77.6	83.1	91.6	81.1	73.8
27.5°	48.7	53.7	61.8	52.2	46.7
30°	30.1	33.6	40.2	32.8	27.8
32.5°	17.4	20.9	26.3	19.7	16.6
35°	9.3	12.0	17.4	11.6	8.5
37.5°	5.4	7.0	11.2	6.2	5.0
40°	3.1	4.2	6.6	3.9	3.1
42.5°	1.9	2.7	3.1	2.3	1.5
45°	1.2	1.5	1.9	1.5	1.2
47.5°	0.8	1.2	1.5	0.8	0.8
50°	0.8	0.8	1.2	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
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)