

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: P1309992

Luminaire Tested: LDSQA3D05R159035DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

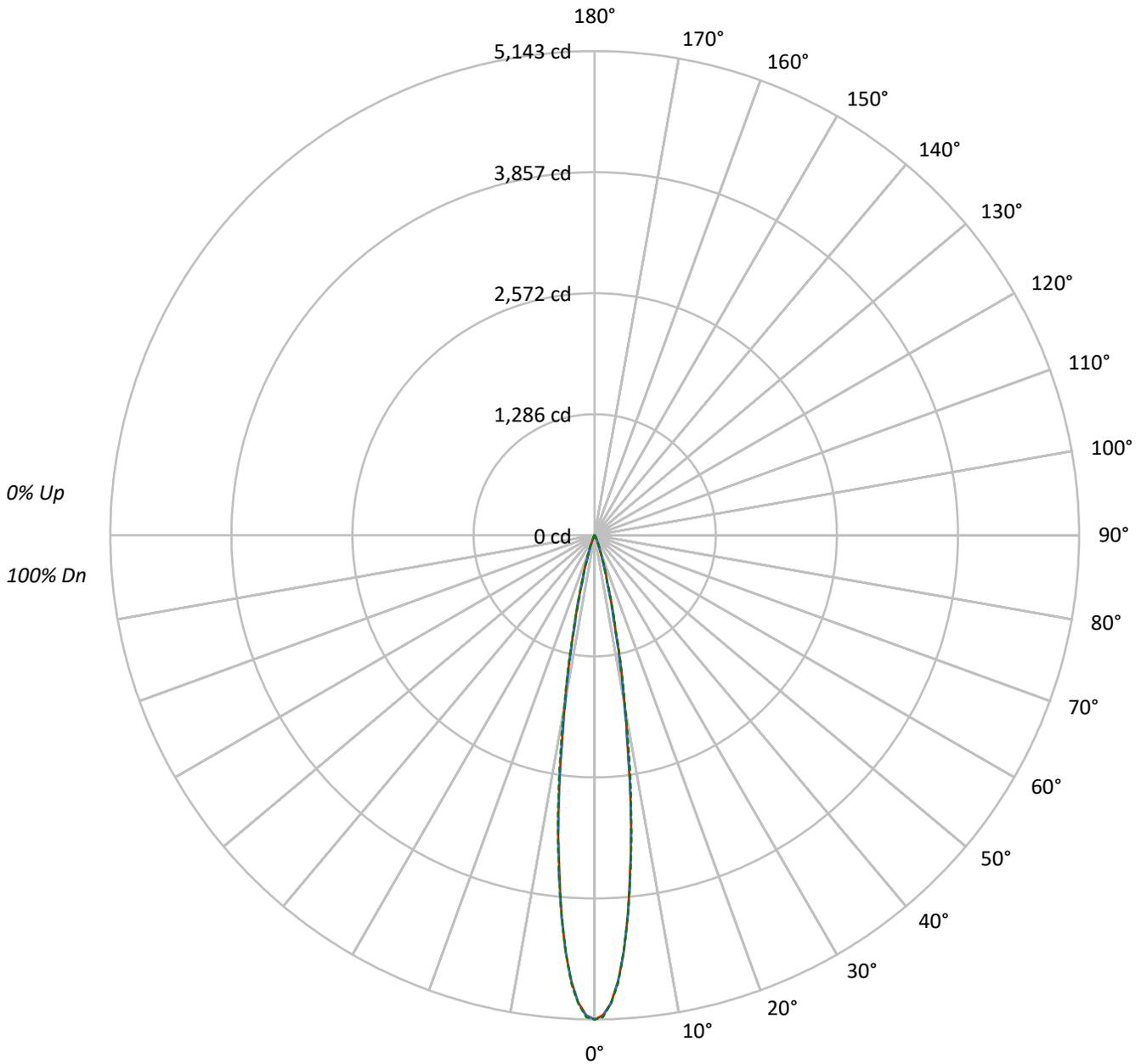
Test Method: LM-79-2019  
Report Number: P1309992  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159035DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 515.0 lumens  
Efficiency: N/A  
Efficacy: 71.5 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
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 (Ain): 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



— 0°-180°    - - 45°-225°    ···· 90°-270°



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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	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

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

	0°	45°	90°
0°	885793	885793	885793
5°	698714	700581	698091
10°	319662	311285	326412
15°	95051	84852	93125
20°	28224	27381	29636
25°	8019	10375	9292
30°	2864	3082	2764
35°	1093	967	967
40°	472	225	337
45°	244	122	244
50°	134	0	134
55°	150	0	150
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 47.5°  
 Luminance: 255 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.8	60.3
10°-20°	172.5	33.5
20°-30°	27.5	5.3
30°-40°	3.6	0.7
40°-50°	0.5	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	510.7	99.2
0°-40°	514.3	99.9
0°-60°	515.0	100.0
0°-90°	515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	515.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5143	5143	5143	5143	5143	
5°	4042	4075	4052	4035	4038	310
15°	533	526	476	506	522	176
25°	42	47	55	54	49	26
35°	5	5	5	5	5	4
45°	1	1	0	0	1	1
55°	0	0	0	0	0	0
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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5143.3	5143.3	5143.3	5143.3	5143.3	5143.3	5143.3	5143.3	5143.3	5143.3	5143.3
1°	5099.0	5104.7	5111.9	5105.2	5099.0	5104.7	5096.9	5098.0	5091.8	5105.2	5120.1
2°	4969.2	4976.4	4972.3	4963.0	4977.4	4978.5	4962.5	4954.8	4953.7	4967.1	4972.3
3°	4739.5	4756.0	4756.5	4753.4	4748.8	4739.5	4723.0	4733.8	4718.9	4709.6	4762.1
4°	4434.1	4448.5	4465.5	4454.1	4420.2	4423.2	4434.1	4397.5	4399.6	4420.7	4422.2
5°	4041.6	4085.4	4087.4	4071.5	4044.7	4052.4	4044.7	4034.4	4038.0	4051.4	4038.0
6°	3579.6	3629.0	3592.5	3627.5	3619.8	3629.6	3632.1	3621.3	3629.0	3620.8	3618.2
7°	3180.4	3142.8	3148.0	3133.6	3149.0	3159.3	3165.5	3147.0	3161.9	3185.6	3192.3
8°	2685.5	2674.7	2663.8	2689.6	2682.4	2694.7	2702.5	2723.1	2722.0	2729.2	2752.9
9°	2214.2	2230.2	2240.0	2217.3	2236.9	2198.7	2212.1	2267.2	2252.8	2267.2	2309.5
10°	1827.9	1840.8	1826.4	1825.9	1805.2	1780.0	1778.5	1799.1	1842.3	1876.3	1866.5
12.5°	1008.5	1019.8	1021.3	1020.3	983.2	941.5	949.2	965.7	992.5	1003.8	1022.4
15°	533.1	532.6	538.2	522.3	502.7	475.9	478.0	500.6	520.7	525.9	522.3
17.5°	273.5	274.5	278.6	274.5	253.9	256.5	262.2	264.7	276.6	281.2	278.6
20°	154.0	154.5	154.0	155.5	147.3	149.4	156.6	157.1	159.7	162.2	161.7
22.5°	88.1	88.6	91.7	90.6	88.6	91.2	92.7	95.3	96.3	95.3	98.4
25°	42.2	42.7	42.7	48.9	52.0	54.6	55.6	54.6	53.6	49.4	48.9
27.5°	24.2	24.2	25.2	25.8	26.8	31.4	30.9	25.8	21.6	21.6	22.1
30°	14.4	13.9	13.9	14.4	14.9	15.5	14.4	13.9	13.9	14.4	13.9
32.5°	8.8	8.8	8.8	8.2	8.2	7.7	7.7	8.8	8.8	8.8	8.8
35°	5.2	5.2	5.2	5.2	4.6	4.6	4.6	5.2	5.2	4.6	4.6
37.5°	3.1	3.1	3.1	2.6	2.6	2.1	2.6	2.6	2.6	2.6	2.6
40°	2.1	2.1	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5	1.5
42.5°	1.5	1.5	1.0	1.0	0.5	0.5	0.5	1.0	1.0	1.0	1.0
45°	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
47.5°	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
50°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
52.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)