

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: P1314276

Luminaire Tested: LDSQA3D05R159730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

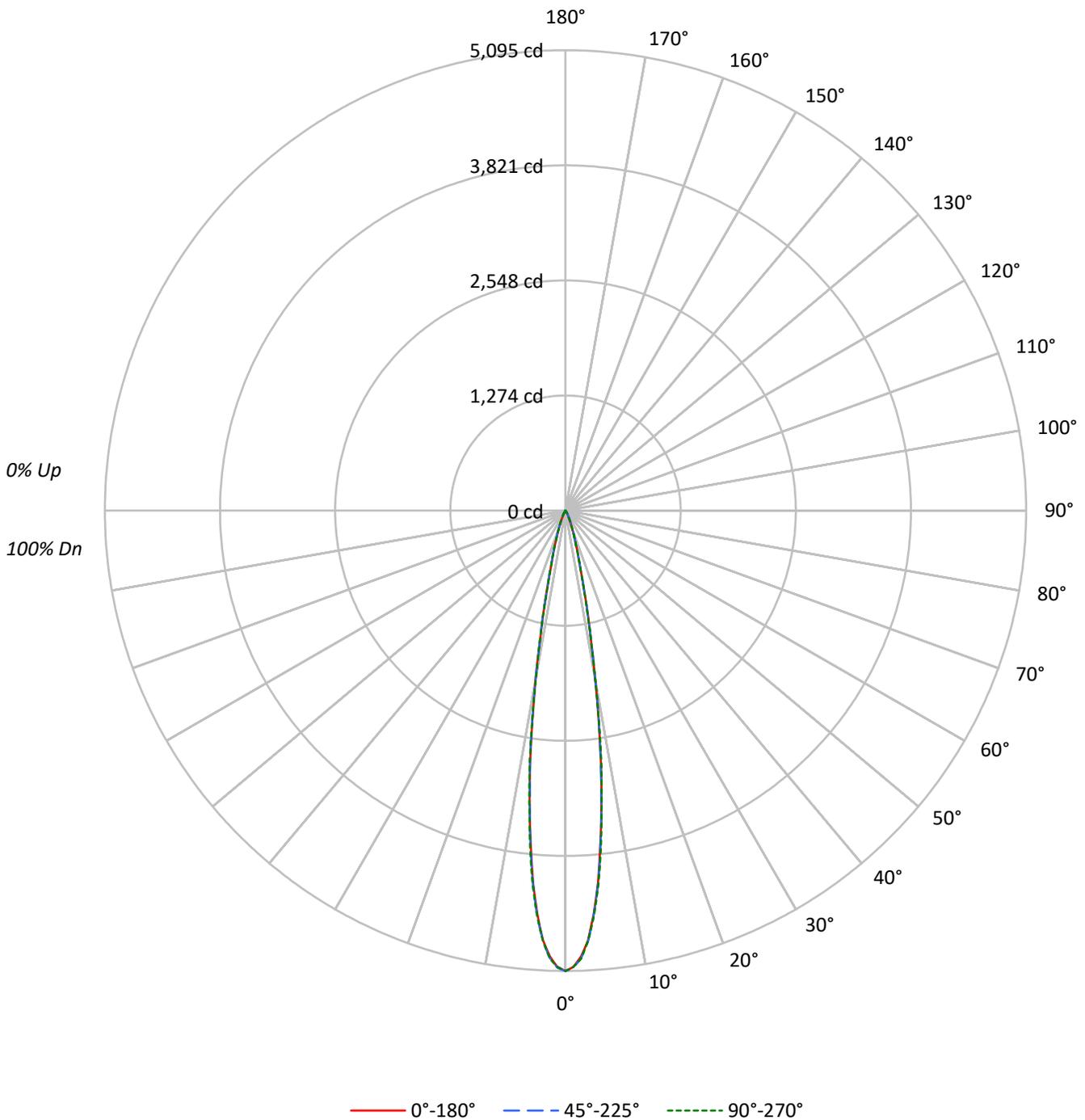
Test Method: LM-79-2019  
Report Number: P1314276  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 571.9 lumens  
Efficiency: N/A  
Efficacy: 79.4 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	93	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°	877509	877509	877509
5°	713547	716036	718509
10°	332306	332621	330819
15°	102824	106497	104500
20°	40999	43290	40504
25°	17159	20219	16304
30°	6960	9287	6423
35°	2271	4247	2081
40°	809	1709	809
45°	317	536	317
50°	241	348	241
55°	270	270	270
60°	310	310	310
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: 536 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.9	55.8
10°-20°	190.7	33.3
20°-30°	48.5	8.5
30°-40°	10.5	1.8
40°-50°	1.7	0.3
50°-60°	0.8	0.1
60°-70°	0.5	0.1
70°-80°	0.3	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°	558.1	97.6
0°-40°	568.7	99.4
0°-60°	571.2	99.9
0°-90°	571.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5095	5095	5095	5095	5095	
5°	4127	4133	4142	4123	4156	318
15°	577	593	597	589	586	190
25°	90	97	106	94	86	46
35°	11	14	20	14	10	9
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°	5095.2	5095.2	5095.2	5095.2	5095.2
1°	5050.8	5059.3	5060.7	5059.3	5052.1
2°	4937.1	4962.3	4956.9	4946.1	4961.4
3°	4761.5	4774.1	4772.3	4773.2	4769.6
4°	4475.9	4497.9	4485.3	4494.8	4495.7
5°	4127.4	4133.2	4141.8	4122.9	4156.1
6°	3698.5	3735.8	3703.0	3735.3	3748.3
7°	3262.4	3283.9	3242.2	3264.6	3278.1
8°	2816.4	2778.7	2801.6	2802.0	2846.5
9°	2335.0	2342.6	2361.9	2339.9	2359.2
10°	1900.2	1917.7	1902.0	1894.4	1891.7
11°	1500.5	1520.3	1518.9	1521.2	1506.3
12°	1207.2	1196.9	1203.6	1181.6	1191.5
13°	939.6	940.0	934.6	925.6	917.5
14°	736.1	731.6	744.2	733.0	722.6
15°	576.7	592.8	597.3	588.8	586.1
17.5°	355.7	356.1	362.4	354.4	353.5
20°	223.7	229.0	236.2	227.7	221.0
22.5°	141.5	146.4	157.6	146.9	137.4
25°	90.3	96.6	106.4	94.3	85.8
27.5°	56.6	62.4	71.9	60.6	54.3
30°	35.0	39.1	46.7	38.2	32.3
32.5°	20.2	24.3	30.5	22.9	19.3
35°	10.8	13.9	20.2	13.5	9.9
37.5°	6.3	8.1	13.0	7.2	5.8
40°	3.6	4.9	7.6	4.5	3.6
42.5°	2.2	3.1	3.6	2.7	1.8
45°	1.3	1.8	2.2	1.8	1.3
47.5°	0.9	1.3	1.8	0.9	0.9
50°	0.9	0.9	1.3	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
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)