

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: P1323856

Luminaire Tested: LDSQA3D13R159030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

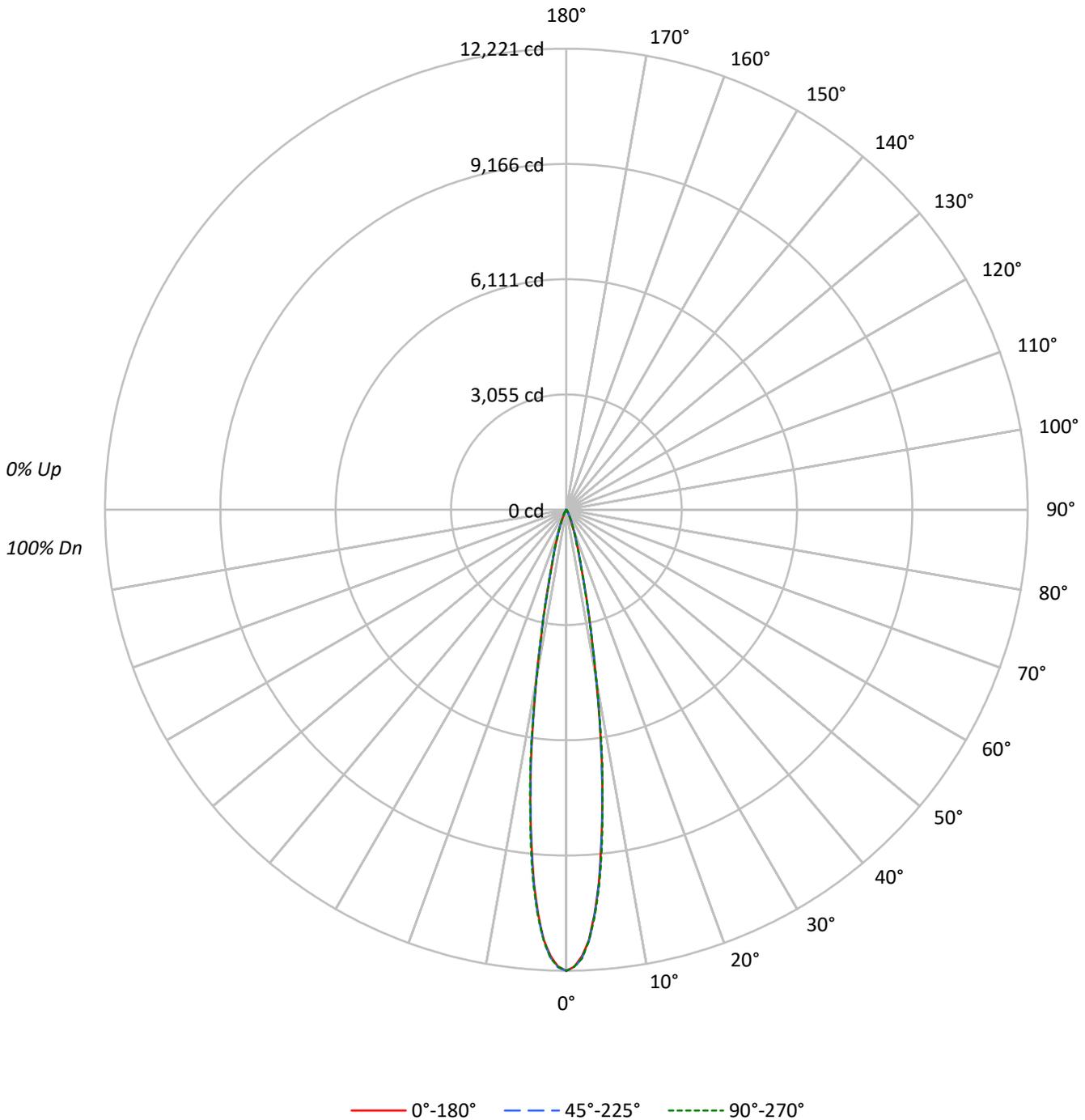
Test Method: LM-79-2019  
Report Number: P1323856  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159030D2WDE010 3LSQCDR1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1372.1 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): 20.1  
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





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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°	2104802	2104802	2104802
5°	1711517	1717464	1723428
10°	797083	797835	793498
15°	246622	255448	250651
20°	98327	103844	97136
25°	41141	48514	39107
30°	16705	22273	15432
35°	5445	10197	4983
40°	1933	4114	1933
45°	779	1315	779
50°	589	857	589
55°	661	661	661
60°	758	758	758
65°	448	448	448
70°	554	554	554
75°	732	732	732
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1315 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	765.0	55.8
10°-20°	457.4	33.3
20°-30°	116.4	8.5
30°-40°	25.3	1.8
40°-50°	4.1	0.3
50°-60°	2.0	0.1
60°-70°	1.2	0.1
70°-80°	0.7	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°	1338.8	97.6
0°-40°	1364.1	99.4
0°-60°	1370.1	99.9
0°-90°	1372.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1372.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12221	12221	12221	12221	12221	
5°	9900	9914	9934	9889	9969	763
15°	1383	1422	1433	1412	1406	455
25°	216	232	255	226	206	110
35°	26	33	48	32	24	20
45°	3	4	5	4	3	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	12221.4	12221.4	12221.4	12221.4	12221.4
1°	12114.8	12135.3	12138.5	12135.3	12118.0
2°	11842.2	11902.6	11889.6	11863.8	11900.4
3°	11421.0	11451.2	11446.9	11449.0	11440.4
4°	10735.9	10788.7	10758.5	10781.1	10783.3
5°	9900.0	9914.0	9934.4	9889.2	9968.9
6°	8871.2	8960.6	8882.0	8959.5	8990.8
7°	7825.2	7876.9	7776.7	7830.6	7862.9
8°	6755.5	6665.0	6719.9	6721.0	6827.6
9°	5600.6	5619.0	5665.3	5612.5	5658.8
10°	4557.9	4599.9	4562.2	4543.9	4537.4
11°	3599.1	3646.5	3643.3	3648.7	3613.1
12°	2895.7	2870.9	2887.0	2834.3	2858.0
13°	2253.6	2254.7	2241.8	2220.2	2200.8
14°	1765.6	1754.8	1785.0	1758.1	1733.3
15°	1383.2	1422.0	1432.7	1412.3	1405.8
17.5°	853.2	854.3	869.3	850.0	847.8
20°	536.5	549.4	566.6	546.2	530.0
22.5°	339.3	351.2	378.1	352.3	329.6
25°	216.5	231.6	255.3	226.2	205.8
27.5°	135.7	149.7	172.4	145.4	130.3
30°	84.0	93.7	112.0	91.6	77.6
32.5°	48.5	58.2	73.3	54.9	46.3
35°	25.9	33.4	48.5	32.3	23.7
37.5°	15.1	19.4	31.2	17.2	14.0
40°	8.6	11.8	18.3	10.8	8.6
42.5°	5.4	7.5	8.6	6.5	4.3
45°	3.2	4.3	5.4	4.3	3.2
47.5°	2.2	3.2	4.3	2.2	2.2
50°	2.2	2.2	3.2	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
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)