

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: P1308308

Luminaire Tested: LDSQA3D17R359027DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308308  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359027DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

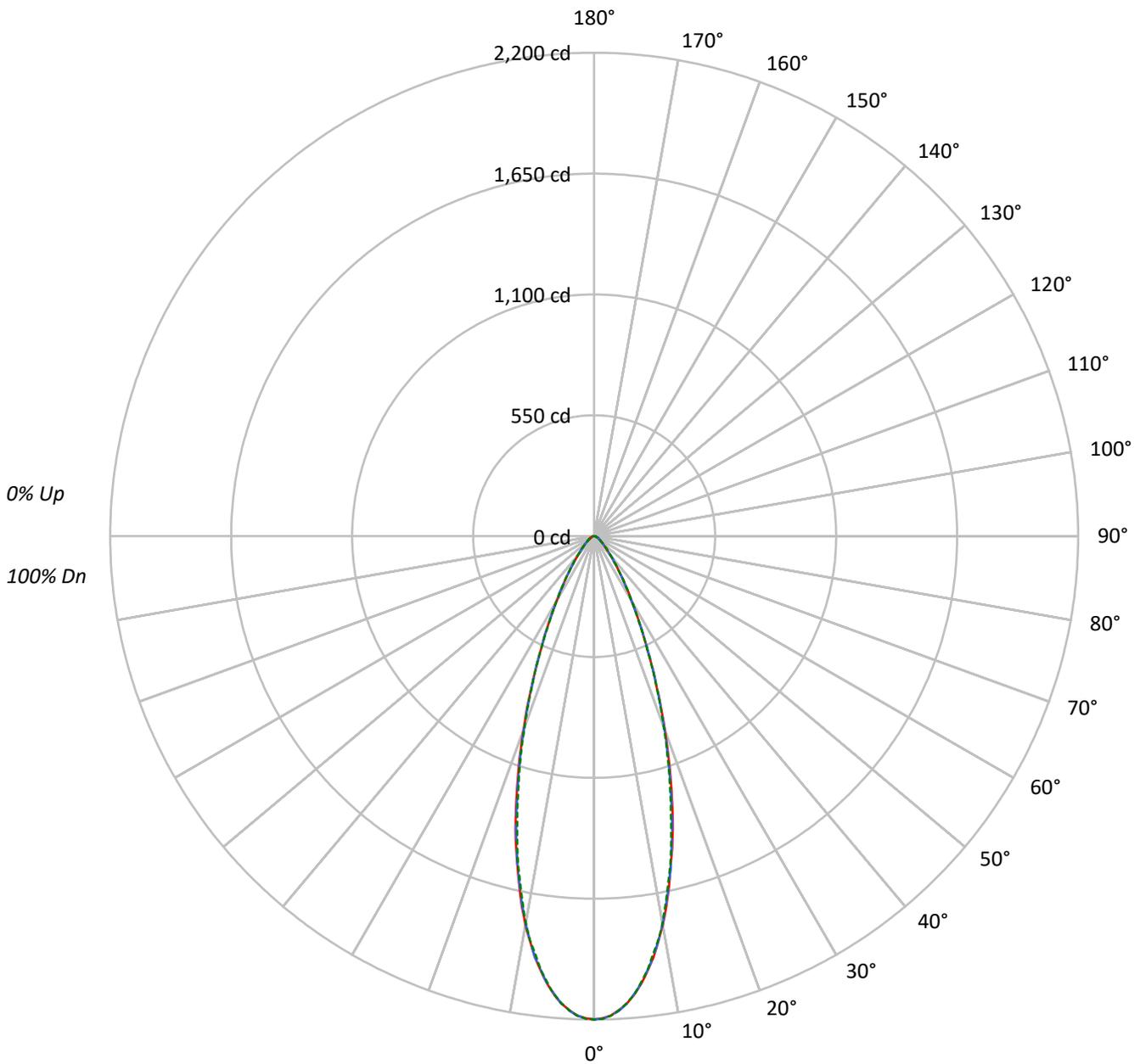
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1085.0 lumens  
Efficiency: N/A  
Efficacy: 51.2 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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



— 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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	83	83	83	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	78	78	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	74	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	70	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	66	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	63	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	60	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	57	57	56

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

	0°	45°	90°
0°	378890	378890	378890
5°	362064	361424	362064
10°	314311	313262	312842
15°	246283	244357	240506
20°	172297	170758	169658
25°	109436	110120	109436
30°	67415	67893	67415
35°	41713	41965	41965
40°	26484	26754	26754
45°	17853	18145	18437
50°	12887	13209	13209
55°	10119	10119	10119
60°	8267	8267	8267
65°	7335	7335	7335
70°	6647	6647	6647
75°	5590	5590	5590
80°	4761	4761	4761
85°	2371	2371	4742

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 18437 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.1	17.5
10°-20°	374.3	34.5
20°-30°	270.1	24.9
30°-40°	130.2	12.0
40°-50°	60.0	5.5
50°-60°	31.1	2.9
60°-70°	17.9	1.7
70°-80°	9.1	0.8
80°-90°	2.1	0.2
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°	834.6	76.9
0°-40°	964.8	88.9
0°-60°	1055.9	97.3
0°-90°	1085.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1085.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2200	2200	2200	2200	2200	
5°	2094	2099	2091	2092	2094	190
15°	1381	1379	1370	1364	1349	377
25°	576	577	580	580	576	270
35°	198	198	200	200	200	129
45°	73	74	74	76	76	59
55°	34	34	34	34	34	31
65°	18	18	18	18	18	18
75°	8	8	8	8	8	9
85°	1	1	1	1	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2200.0	2200.0	2200.0	2200.0	2200.0
1°	2194.0	2197.6	2196.4	2197.6	2196.4
2°	2183.2	2185.6	2183.2	2184.4	2184.4
3°	2160.4	2162.8	2162.8	2161.6	2160.4
4°	2132.7	2138.7	2132.7	2133.9	2130.3
5°	2094.3	2099.1	2090.6	2091.8	2094.3
6°	2047.4	2048.6	2046.2	2045.0	2042.6
7°	1993.3	1998.1	1989.7	1990.9	1988.5
8°	1935.6	1934.4	1934.4	1929.5	1922.3
9°	1865.8	1870.6	1863.4	1861.0	1862.2
10°	1797.3	1797.3	1791.3	1785.3	1788.9
11°	1719.2	1716.8	1713.2	1704.7	1702.3
12°	1633.8	1638.6	1627.8	1624.2	1615.8
13°	1546.0	1553.3	1548.4	1535.2	1536.4
14°	1464.3	1459.5	1455.9	1453.5	1445.1
15°	1381.3	1378.9	1370.5	1364.5	1348.9
17.5°	1154.1	1156.5	1140.9	1138.5	1132.5
20°	940.1	932.9	931.7	932.9	925.7
22.5°	741.8	749.0	740.6	741.8	737.0
25°	575.9	577.1	579.5	579.5	575.9
27.5°	447.2	447.2	444.8	447.2	443.6
30°	339.0	339.0	341.4	343.8	339.0
32.5°	262.1	262.1	262.1	263.3	264.5
35°	198.4	198.4	199.6	199.6	199.6
37.5°	152.7	153.9	155.1	155.1	155.1
40°	117.8	119.0	119.0	120.2	119.0
42.5°	93.8	93.8	93.8	95.0	95.0
45°	73.3	74.5	74.5	75.7	75.7
47.5°	60.1	60.1	60.1	61.3	61.3
50°	48.1	49.3	49.3	49.3	49.3
52.5°	39.7	39.7	40.9	40.9	40.9
55°	33.7	33.7	33.7	33.7	33.7
57.5°	27.7	28.9	28.9	28.9	28.9
60°	24.0	24.0	24.0	24.0	24.0
62.5°	20.4	20.4	20.4	20.4	20.4
65°	18.0	18.0	18.0	18.0	18.0
67.5°	14.4	15.6	15.6	15.6	15.6
70°	13.2	13.2	13.2	13.2	13.2
72.5°	9.6	10.8	10.8	10.8	10.8
75°	8.4	8.4	8.4	8.4	8.4
77.5°	7.2	6.0	6.0	6.0	7.2
80°	4.8	4.8	4.8	4.8	4.8
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.2	1.2	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	1.2	1.2



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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)