

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: P1313789

Luminaire Tested: LDSQA3D17R209727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

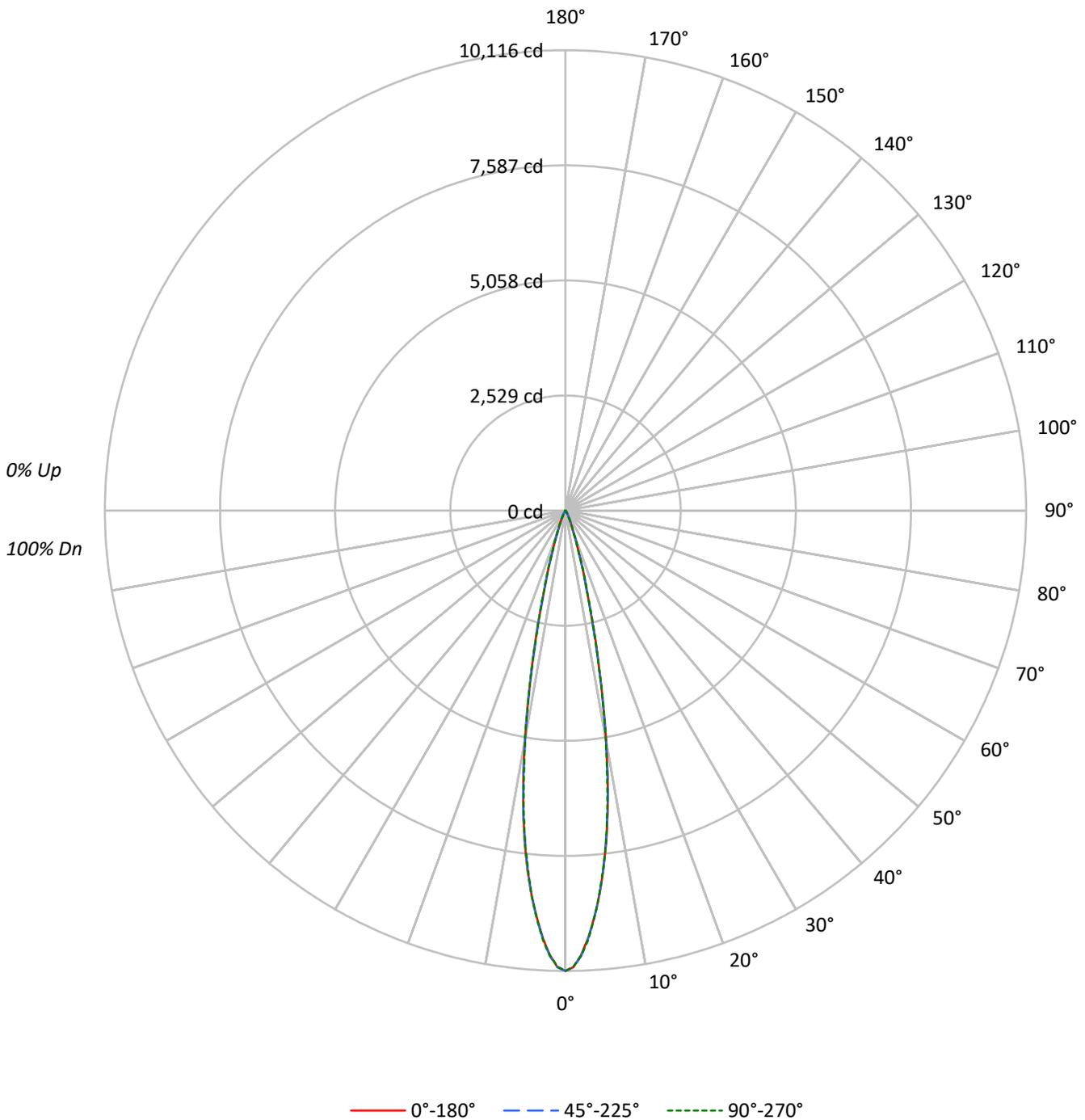
Test Method: LM-79-2019  
Report Number: P1313789  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R209727DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1394.1 lumens  
Efficiency: N/A  
Efficacy: 65.8 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
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





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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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	99	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

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

	0°	45°	90°
0°	1742153	1742153	1742153
5°	1468361	1468931	1468188
10°	894788	890644	892725
15°	315177	316532	326339
20°	99042	101810	99629
25°	37093	40590	38119
30°	14378	20384	15014
35°	5445	9062	5887
40°	2900	3889	2900
45°	1047	1827	1315
50°	589	857	589
55°	661	661	661
60°	379	379	379
65°	448	448	448
70°	554	554	554
75°	0	0	732
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1827 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	702.2	50.4
10°-20°	550.6	39.5
20°-30°	108.1	7.8
30°-40°	24.3	1.7
40°-50°	5.5	0.4
50°-60°	1.8	0.1
60°-70°	1.1	0.1
70°-80°	0.5	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°	1360.9	97.6
0°-40°	1385.2	99.4
0°-60°	1392.5	99.9
0°-90°	1394.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1394.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10116	10116	10116	10116	10116	
5°	8494	8501	8497	8526	8492	704
15°	1768	1775	1775	1814	1830	549
25°	195	208	214	210	201	103
35°	26	31	43	31	28	19
45°	4	6	8	6	5	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10115.7	10115.7	10115.7	10115.7	10115.7
1°	10033.7	10012.1	10036.9	10017.5	10021.8
2°	9773.8	9761.9	9794.3	9773.8	9784.6
3°	9412.5	9397.4	9421.1	9422.2	9452.4
4°	8981.0	8951.9	8987.5	8988.6	8994.0
5°	8493.5	8501.1	8496.8	8525.9	8492.5
6°	7945.6	7970.5	7938.1	7954.3	7907.9
7°	7333.0	7301.8	7285.6	7291.0	7323.3
8°	6656.8	6635.2	6658.9	6625.5	6602.9
9°	5905.0	5867.3	5893.2	5860.8	5828.5
10°	5116.6	5099.4	5092.9	5056.2	5104.8
11°	4326.0	4274.3	4300.2	4281.8	4334.7
12°	3586.2	3590.5	3539.8	3556.0	3562.4
13°	2918.5	2849.5	2858.1	2902.4	2909.9
14°	2263.9	2273.6	2276.8	2308.1	2326.4
15°	1767.7	1775.3	1775.3	1814.1	1830.3
17.5°	948.0	948.0	968.5	972.8	975.0
20°	540.4	543.6	555.5	554.4	543.6
22.5°	323.6	330.0	336.5	330.0	323.6
25°	195.2	208.2	213.6	210.3	200.6
27.5°	116.5	130.5	145.6	133.7	115.4
30°	72.3	79.8	102.5	82.0	75.5
32.5°	39.9	51.8	70.1	53.9	41.0
35°	25.9	31.3	43.1	31.3	28.0
37.5°	18.3	21.6	27.0	22.6	19.4
40°	12.9	15.1	17.3	16.2	12.9
42.5°	8.6	10.8	11.9	10.8	8.6
45°	4.3	6.5	7.5	6.5	5.4
47.5°	2.2	3.2	5.4	3.2	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	1.1	2.2	1.1
60°	1.1	1.1	1.1	1.1	1.1
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°	0.0	0.0	0.0	0.0	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)