

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: P1315828

Luminaire Tested: LDSQA3D17R559735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315828  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R559735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

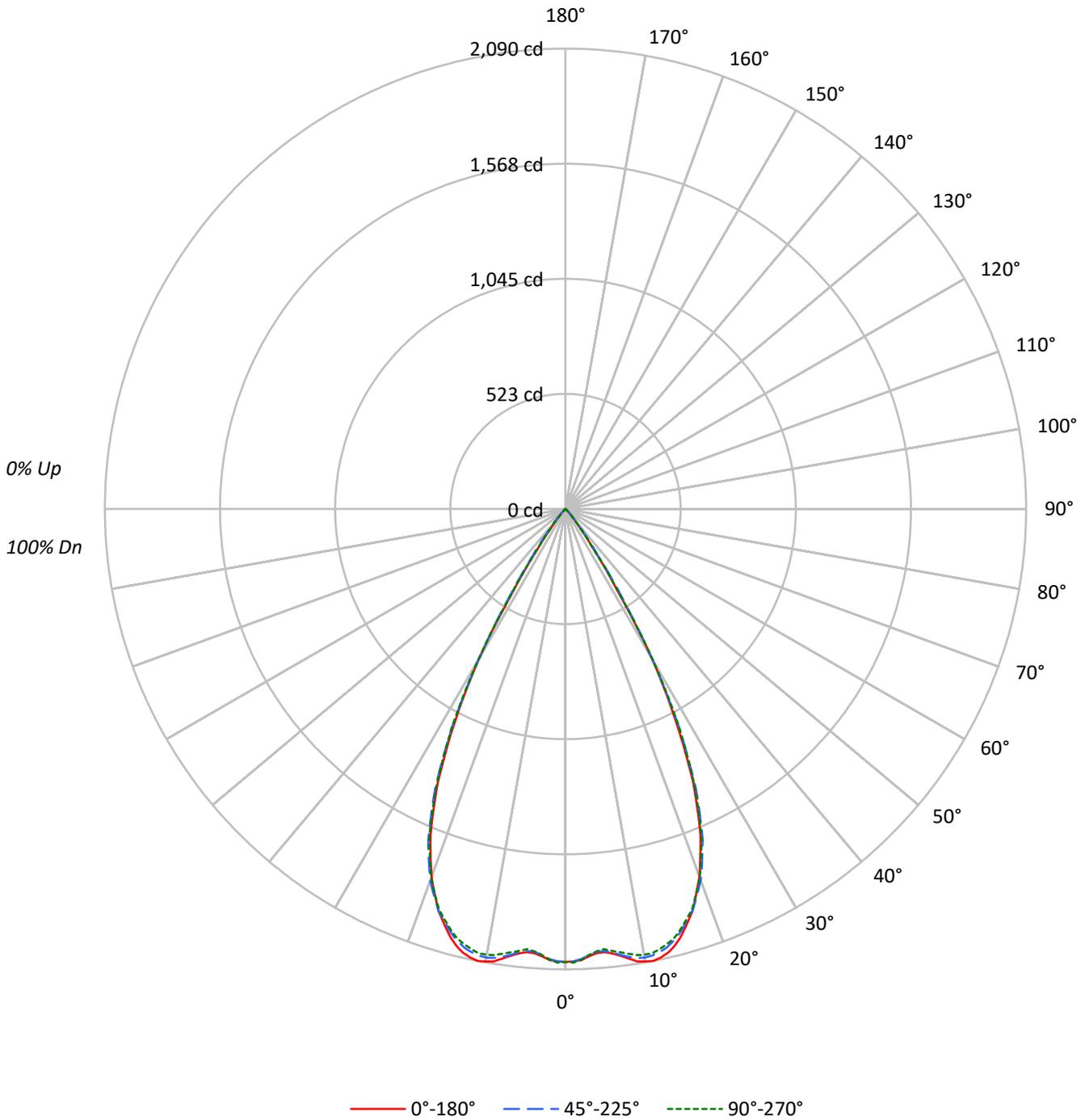
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1577.0 lumens  
Efficiency: N/A  
Efficacy: 74.4 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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				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	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	354159	354159	354159
5°	349098	348475	346816
10°	364868	361721	359412
15°	359181	355972	354474
20°	325699	328980	326579
25°	260451	265904	263415
30°	156189	156189	158098
35°	45119	53444	46632
40°	12950	17514	12950
45°	2923	6722	2923
50°	1286	2251	965
55°	1081	1081	1081
60°	1240	1240	1240
65°	978	978	978
70°	1209	1209	1209
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 6722 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.0	12.4
10°-20°	555.8	35.2
20°-30°	612.3	38.8
30°-40°	187.3	11.9
40°-50°	18.5	1.2
50°-60°	3.4	0.2
60°-70°	2.7	0.2
70°-80°	1.5	0.1
80°-90°	0.5	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°	1363.0	86.4
0°-40°	1550.3	98.3
0°-60°	1572.3	99.7
0°-90°	1577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1577.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2056	2056	2056	2056	2056	
5°	2019	2019	2016	2010	2006	196
15°	2014	2011	1996	1988	1988	558
25°	1371	1384	1399	1412	1386	604
35°	215	225	254	234	222	176
45°	12	18	28	18	12	14
55°	4	4	4	4	4	3
65°	2	2	2	2	2	3
75°	1	1	1	1	1	1
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°	2056.4	2056.4	2056.4	2056.4	2056.4
1°	2054.1	2055.2	2054.1	2051.7	2060.0
2°	2049.3	2048.1	2044.5	2043.3	2046.9
3°	2033.7	2033.7	2028.9	2026.5	2027.7
4°	2021.7	2021.7	2014.5	2012.1	2013.3
5°	2019.3	2019.3	2015.7	2009.7	2006.1
6°	2028.9	2031.3	2022.9	2016.9	2016.9
7°	2043.3	2044.5	2038.5	2030.1	2027.7
8°	2061.2	2062.4	2052.9	2043.3	2038.5
9°	2079.2	2076.8	2063.6	2054.1	2050.5
10°	2086.4	2085.2	2068.4	2058.8	2055.2
11°	2090.0	2084.0	2064.8	2056.4	2055.2
12°	2081.6	2076.8	2056.4	2048.1	2044.5
13°	2067.2	2060.0	2043.3	2034.9	2030.1
14°	2044.5	2037.3	2021.7	2012.1	2013.3
15°	2014.5	2010.9	1996.5	1988.1	1988.1
17.5°	1915.0	1917.4	1913.8	1910.2	1907.8
20°	1777.1	1786.7	1795.0	1790.2	1781.9
22.5°	1600.8	1617.6	1627.2	1629.6	1614.0
25°	1370.6	1383.8	1399.3	1412.5	1386.2
27.5°	1084.0	1096.0	1110.4	1118.8	1115.2
30°	785.4	786.6	785.4	801.0	795.0
32.5°	436.5	472.4	478.4	489.2	450.9
35°	214.6	225.4	254.2	233.8	221.8
37.5°	103.1	110.3	137.9	112.7	107.9
40°	57.6	62.4	77.9	64.8	57.6
42.5°	27.6	36.0	42.0	37.2	27.6
45°	12.0	18.0	27.6	18.0	12.0
47.5°	4.8	7.2	16.8	7.2	4.8
50°	4.8	3.6	8.4	3.6	3.6
52.5°	3.6	3.6	4.8	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	2.4	3.6	3.6	3.6	2.4
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.2	2.4	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
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)