

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: P1315827

Luminaire Tested: LDSQA3D17R559735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R559735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

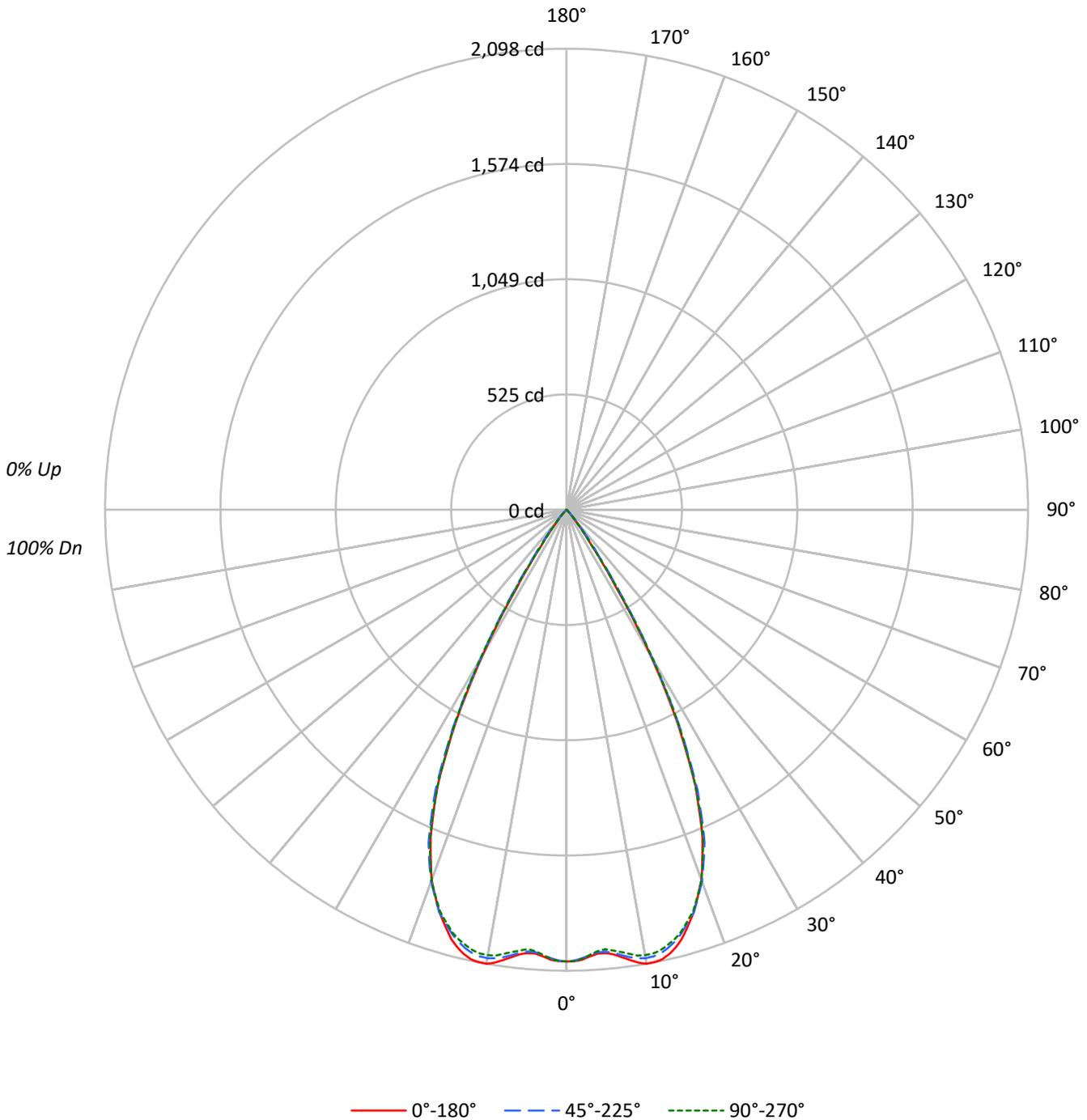
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1563.0 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
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 (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				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	112	109	107	112	109	107	106	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	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	354073	354073	354073
5°	350031	348994	347127
10°	366880	362473	359954
15°	360786	356935	355651
20°	328613	329933	328833
25°	263643	267748	263643
30°	151317	155135	156328
35°	43142	51973	44404
40°	11061	15917	11331
45°	1169	5553	877
50°	0	965	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5553 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.2	12.5
10°-20°	557.0	35.6
20°-30°	613.5	39.3
30°-40°	183.1	11.7
40°-50°	14.1	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1365.7	87.4
0°-40°	1548.8	99.1
0°-60°	1563.0	100.0
0°-90°	1563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1563.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2056	2056	2056	2056	2056	
5°	2025	2021	2019	2010	2008	196
15°	2024	2009	2002	1994	1995	561
25°	1387	1387	1409	1407	1387	607
35°	205	218	247	226	211	170
45°	5	12	23	12	4	9
55°	0	0	0	0	0	0
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°	2055.9	2055.9	2055.9	2055.9	2055.9
1°	2054.7	2054.7	2052.3	2051.1	2054.7
2°	2048.7	2048.7	2042.7	2041.5	2045.1
3°	2035.5	2034.3	2029.5	2025.9	2028.3
4°	2024.7	2022.3	2018.7	2012.7	2013.9
5°	2024.7	2021.1	2018.7	2010.3	2007.9
6°	2034.3	2031.9	2027.1	2018.7	2016.3
7°	2051.1	2046.3	2041.5	2030.7	2028.3
8°	2069.1	2065.5	2055.9	2045.1	2040.3
9°	2087.1	2078.7	2066.7	2055.9	2054.7
10°	2097.9	2085.9	2072.7	2059.5	2058.3
11°	2096.7	2085.9	2070.3	2058.3	2057.1
12°	2091.9	2076.3	2063.1	2048.7	2049.9
13°	2075.1	2060.7	2047.5	2036.7	2034.3
14°	2052.3	2039.1	2027.1	2016.3	2017.5
15°	2023.5	2009.1	2001.9	1993.5	1994.7
17.5°	1921.5	1917.9	1921.5	1911.9	1915.5
20°	1793.0	1789.4	1800.2	1795.4	1794.2
22.5°	1614.2	1619.0	1639.4	1633.4	1622.6
25°	1387.4	1387.4	1409.0	1406.6	1387.4
27.5°	1092.2	1100.6	1113.8	1119.8	1105.4
30°	760.9	780.1	780.1	792.1	786.1
32.5°	424.9	465.7	475.3	481.3	457.3
35°	205.2	218.4	247.2	225.6	211.2
37.5°	98.4	104.4	133.2	108.0	100.8
40°	49.2	56.4	70.8	58.8	50.4
42.5°	20.4	30.0	37.2	30.0	20.4
45°	4.8	12.0	22.8	12.0	3.6
47.5°	0.0	1.2	10.8	2.4	0.0
50°	0.0	0.0	3.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)