

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: P1308345

Luminaire Tested: LDSQA3D17R559027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308345
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: LDSQA3D17R559027DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

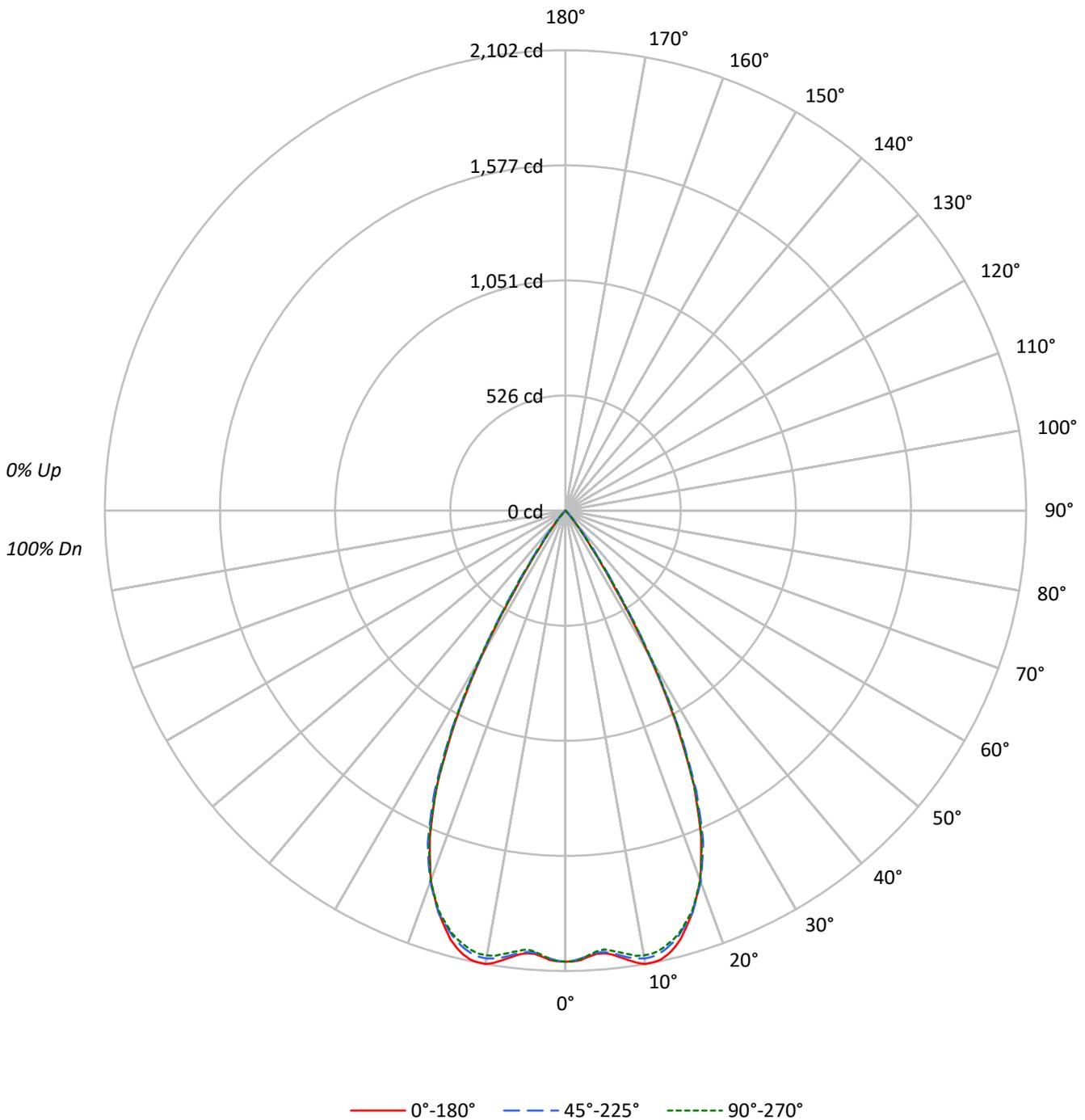
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1566.0 lumens
Efficiency: N/A
Efficacy: 73.9 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				
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°	354744	354744	354744
5°	350705	349668	347784
10°	367579	363172	360636
15°	361481	357612	356329
20°	329254	330574	329474
25°	264156	268261	264156
30°	151615	155433	156627
35°	43226	52078	44488
40°	11084	15940	11353
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°	195.6	12.5
10°-20°	558.1	35.6
20°-30°	614.7	39.3
30°-40°	183.5	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°	1368.3	87.4
0°-40°	1551.8	99.1
0°-60°	1566.0	100.0
0°-90°	1566.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1566.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2060	2060	2060	2060	2060	
5°	2029	2025	2023	2014	2012	197
15°	2027	2013	2006	1997	1998	562
25°	1390	1390	1412	1409	1390	609
35°	206	219	248	226	212	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°	2059.8	2059.8	2059.8	2059.8	2059.8
1°	2058.6	2058.6	2056.2	2055.0	2058.6
2°	2052.6	2052.6	2046.6	2045.4	2049.0
3°	2039.4	2038.2	2033.4	2029.8	2032.2
4°	2028.6	2026.2	2022.6	2016.5	2017.7
5°	2028.6	2025.0	2022.6	2014.1	2011.7
6°	2038.2	2035.8	2031.0	2022.6	2020.1
7°	2055.0	2050.2	2045.4	2034.6	2032.2
8°	2073.1	2069.5	2059.8	2049.0	2044.2
9°	2091.1	2082.7	2070.7	2059.8	2058.6
10°	2101.9	2089.9	2076.7	2063.4	2062.2
11°	2100.7	2089.9	2074.3	2062.2	2061.0
12°	2095.9	2080.3	2067.0	2052.6	2053.8
13°	2079.1	2064.6	2051.4	2040.6	2038.2
14°	2056.2	2043.0	2031.0	2020.1	2021.4
15°	2027.4	2012.9	2005.7	1997.3	1998.5
17.5°	1925.2	1921.5	1925.2	1915.5	1919.1
20°	1796.5	1792.9	1803.7	1798.9	1797.7
22.5°	1617.3	1622.1	1642.6	1636.6	1625.7
25°	1390.1	1390.1	1411.7	1409.3	1390.1
27.5°	1094.2	1102.7	1115.9	1121.9	1107.5
30°	762.4	781.6	781.6	793.6	787.6
32.5°	425.7	466.6	476.2	482.2	458.1
35°	205.6	218.8	247.7	226.1	211.6
37.5°	98.6	104.6	133.5	108.2	101.0
40°	49.3	56.5	70.9	58.9	50.5
42.5°	20.4	30.1	37.3	30.1	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)