

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: P1318561

Luminaire Tested: LDSQA3D17R559830DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318561
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: LDSQA3D17R559830DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

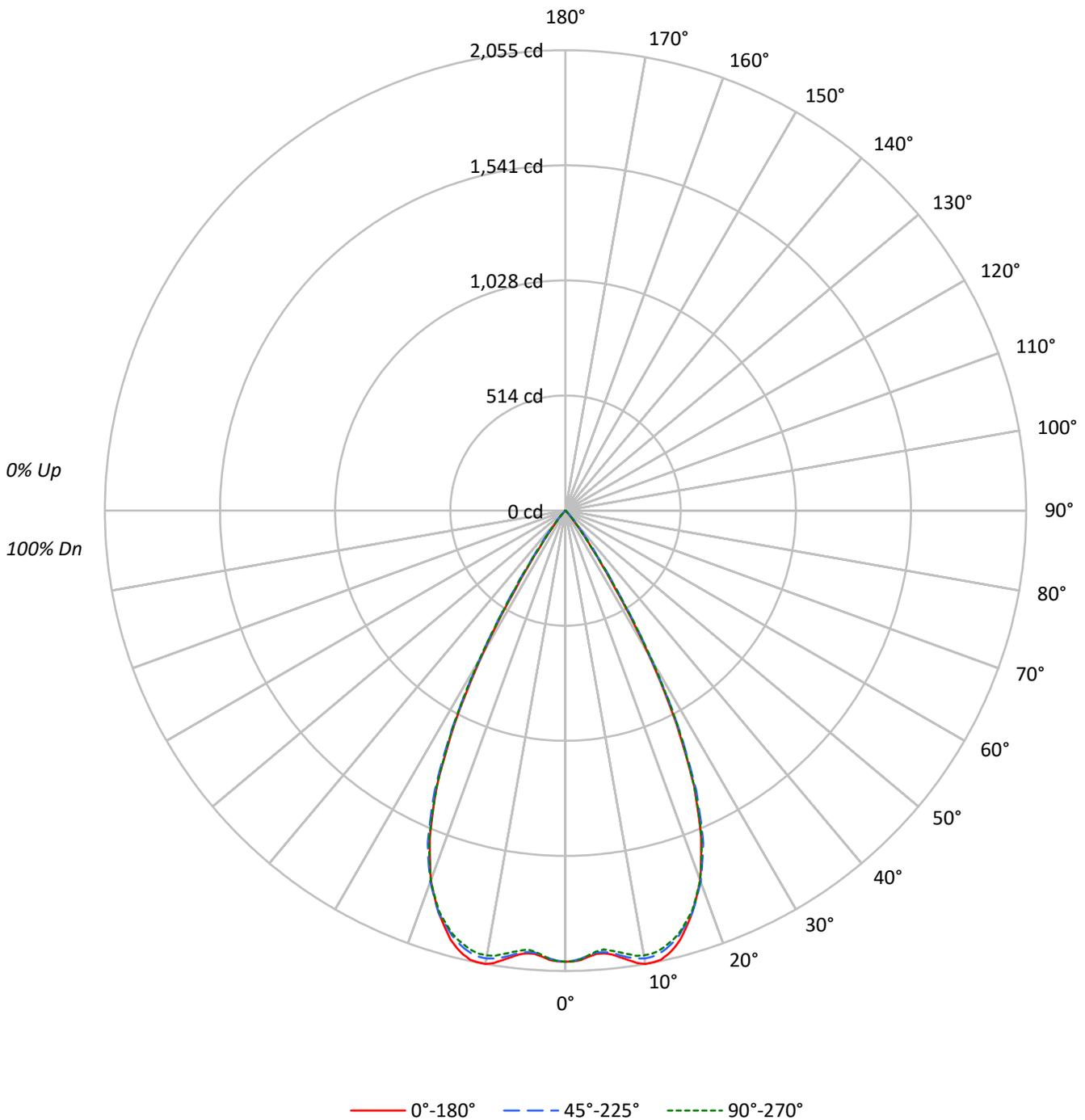
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1531.0 lumens
Efficiency: N/A
Efficacy: 75.0 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): 20.4
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°	346822	346822	346822
5°	342857	341854	340021
10°	359360	355058	352574
15°	353404	349625	348359
20°	321887	323188	322107
25°	258246	262256	258246
30°	148215	151953	153126
35°	42259	50921	43500
40°	10836	15603	11106
45°	1145	5431	852
50°	0	938	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: 5431 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	12.5
10°-20°	545.6	35.6
20°-30°	600.9	39.3
30°-40°	179.4	11.7
40°-50°	13.8	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°	1337.7	87.4
0°-40°	1517.1	99.1
0°-60°	1531.0	100.0
0°-90°	1531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2014	2014	2014	2014	2014	
5°	1983	1980	1977	1969	1967	192
15°	1982	1968	1961	1953	1954	549
25°	1359	1359	1380	1378	1359	595
35°	201	214	242	221	207	166
45°	5	12	22	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°	2013.8	2013.8	2013.8	2013.8	2013.8
1°	2012.6	2012.6	2010.3	2009.1	2012.6
2°	2006.7	2006.7	2000.9	1999.7	2003.2
3°	1993.8	1992.6	1987.9	1984.4	1986.8
4°	1983.2	1980.9	1977.4	1971.5	1972.6
5°	1983.2	1979.7	1977.4	1969.1	1966.8
6°	1992.6	1990.3	1985.6	1977.4	1975.0
7°	2009.1	2004.4	1999.7	1989.1	1986.8
8°	2026.7	2023.2	2013.8	2003.2	1998.5
9°	2044.4	2036.1	2024.4	2013.8	2012.6
10°	2054.9	2043.2	2030.3	2017.3	2016.1
11°	2053.8	2043.2	2027.9	2016.1	2015.0
12°	2049.1	2033.8	2020.8	2006.7	2007.9
13°	2032.6	2018.5	2005.6	1995.0	1992.6
14°	2010.3	1997.3	1985.6	1975.0	1976.2
15°	1982.1	1967.9	1960.9	1952.7	1953.8
17.5°	1882.1	1878.6	1882.1	1872.7	1876.2
20°	1756.3	1752.8	1763.4	1758.7	1757.5
22.5°	1581.2	1585.9	1605.9	1600.0	1589.4
25°	1359.0	1359.0	1380.1	1377.8	1359.0
27.5°	1069.8	1078.0	1091.0	1096.8	1082.7
30°	745.3	764.1	764.1	775.9	770.0
32.5°	416.2	456.1	465.5	471.4	447.9
35°	201.0	214.0	242.2	221.0	206.9
37.5°	96.4	102.3	130.5	105.8	98.7
40°	48.2	55.3	69.4	57.6	49.4
42.5°	20.0	29.4	36.4	29.4	20.0
45°	4.7	11.8	22.3	11.8	3.5
47.5°	0.0	1.2	10.6	2.4	0.0
50°	0.0	0.0	3.5	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)