

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: P1309297

Luminaire Tested: LDSQA3D13R509030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509030DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

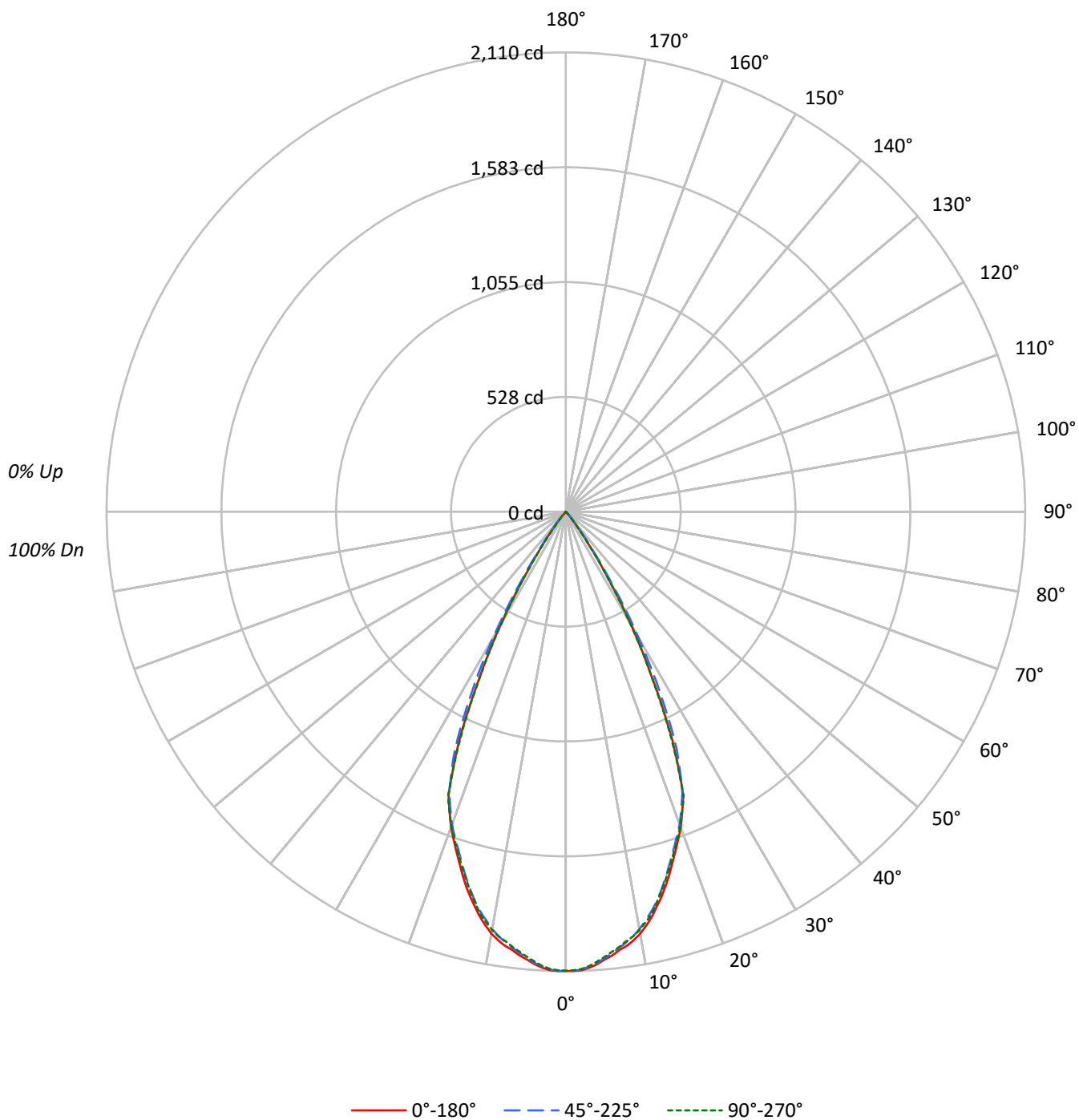
Lumens per Lamp: N/A
Luminaire Lumens: 1358.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	363200	363200	363200
5°	356860	355840	354837
10°	344163	340420	341102
15°	316604	312610	313484
20°	282702	280045	281639
25°	220032	229248	217638
30°	119180	133101	117072
35°	37571	44719	36751
40°	8296	11578	7869
45°	244	3556	244
50°	0	509	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: 3556 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.2	14.2
10°-20°	490.9	36.1
20°-30°	517.0	38.1
30°-40°	147.7	10.9
40°-50°	9.2	0.7
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°	1201.1	88.4
0°-40°	1348.8	99.3
0°-60°	1358.0	100.0
0°-90°	1358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1358.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2109	2109	2109	2109	2109	
5°	2064	2062	2058	2056	2052	194
15°	1776	1764	1753	1756	1758	495
25°	1158	1201	1206	1193	1145	507
35°	179	191	213	181	175	139
45°	1	5	15	5	1	6
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2108.9	2108.9	2108.9	2108.9	2108.9
1°	2109.8	2110.8	2108.9	2110.8	2105.9
2°	2106.9	2105.0	2103.0	2104.0	2101.1
3°	2096.2	2095.3	2091.4	2092.3	2088.5
4°	2082.6	2079.7	2076.8	2074.9	2071.0
5°	2064.2	2062.2	2058.3	2056.4	2052.5
6°	2048.6	2044.7	2037.9	2036.0	2032.1
7°	2028.2	2026.3	2017.5	2015.6	2013.7
8°	2012.7	2006.9	1996.2	1997.1	1992.3
9°	1992.3	1984.5	1973.8	1973.8	1974.8
10°	1968.0	1956.3	1946.6	1949.5	1950.5
11°	1936.0	1928.2	1913.6	1920.4	1920.4
12°	1901.0	1891.3	1880.6	1886.4	1890.3
13°	1860.2	1852.4	1842.7	1848.5	1846.6
14°	1820.4	1805.8	1799.0	1806.8	1803.8
15°	1775.7	1764.0	1753.3	1756.2	1758.2
17.5°	1656.2	1643.6	1635.8	1636.8	1645.5
20°	1542.5	1537.7	1528.0	1531.9	1536.7
22.5°	1408.5	1410.4	1398.8	1401.7	1413.4
25°	1157.9	1200.6	1206.4	1192.8	1145.3
27.5°	857.7	921.8	941.3	910.2	851.9
30°	599.3	616.8	669.3	610.0	588.7
32.5°	351.6	377.9	406.0	365.2	350.7
35°	178.7	191.4	212.7	180.7	174.8
37.5°	82.6	88.4	97.1	82.6	77.7
40°	36.9	43.7	51.5	41.8	35.0
42.5°	11.7	20.4	27.2	18.5	10.7
45°	1.0	4.9	14.6	4.9	1.0
47.5°	0.0	1.0	5.8	1.0	0.0
50°	0.0	0.0	1.9	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)