

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: P1313350

Luminaire Tested: LDSQA3D05R309727DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309727DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

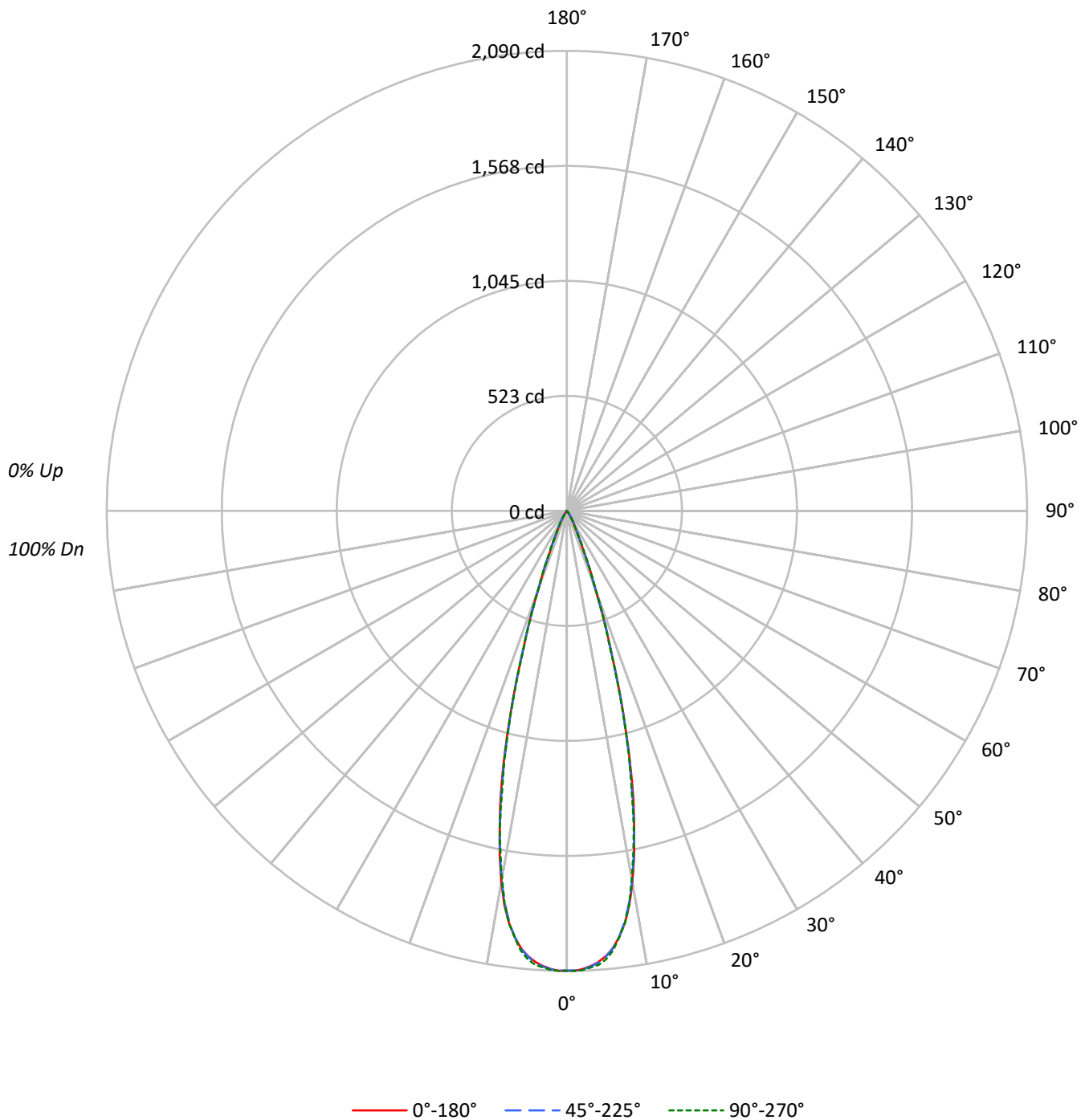
Lumens per Lamp: N/A
Luminaire Lumens: 539.0 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
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	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	359756	359756	359756
5°	350982	351414	353368
10°	299761	298362	296613
15°	184984	182827	183486
20°	69920	70304	70213
25°	21511	23582	22461
30°	8671	10997	9009
35°	2565	4667	2649
40°	1034	1888	1034
45°	195	609	195
50°	0	107	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: 609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.2	34.2
10°-20°	272.8	50.6
20°-30°	67.7	12.6
30°-40°	12.7	2.4
40°-50°	1.6	0.3
50°-60°	0.0	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°	524.7	97.3
0°-40°	537.4	99.7
0°-60°	539.0	100.0
0°-90°	539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2089	2089	2089	2089	2089	
5°	2030	2029	2033	2036	2044	184
15°	1038	1028	1025	1033	1029	274
25°	113	121	124	124	118	65
35°	12	16	22	16	13	10
45°	1	1	2	2	1	1
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°	2088.9	2088.9	2088.9	2088.9	2088.9
1°	2089.7	2088.0	2088.0	2085.5	2090.1
2°	2082.2	2080.5	2083.4	2081.3	2087.2
3°	2070.9	2068.8	2072.9	2074.2	2077.1
4°	2054.1	2052.4	2057.0	2059.5	2067.5
5°	2030.2	2029.4	2032.7	2036.1	2044.0
6°	1997.5	1996.2	1998.3	2002.5	2007.6
7°	1950.1	1947.6	1949.3	1950.1	1951.4
8°	1890.2	1886.4	1884.3	1888.9	1891.4
9°	1813.0	1808.9	1804.2	1802.6	1808.4
10°	1714.1	1707.8	1706.1	1702.0	1696.1
11°	1599.3	1594.2	1593.0	1585.4	1582.1
12°	1467.6	1465.1	1468.0	1463.4	1461.8
13°	1341.4	1325.5	1323.4	1314.6	1310.0
14°	1192.2	1177.5	1177.1	1172.5	1178.8
15°	1037.5	1027.5	1025.4	1033.3	1029.1
17.5°	661.5	668.2	666.5	662.3	655.2
20°	381.5	376.9	383.6	385.2	383.1
22.5°	203.3	205.0	206.2	211.3	214.6
25°	113.2	120.7	124.1	123.7	118.2
27.5°	70.4	75.0	81.3	77.1	72.5
30°	43.6	47.4	55.3	47.8	45.3
32.5°	23.5	29.8	35.6	29.8	24.3
35°	12.2	15.9	22.2	16.3	12.6
37.5°	8.0	9.2	14.3	9.2	8.0
40°	4.6	5.9	8.4	5.9	4.6
42.5°	2.1	3.4	4.6	3.4	2.1
45°	0.8	1.3	2.5	1.7	0.8
47.5°	0.0	0.4	1.3	0.4	0.0
50°	0.0	0.0	0.4	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)