

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: P1319102

Luminaire Tested: LDSQA3D09R359835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359835DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

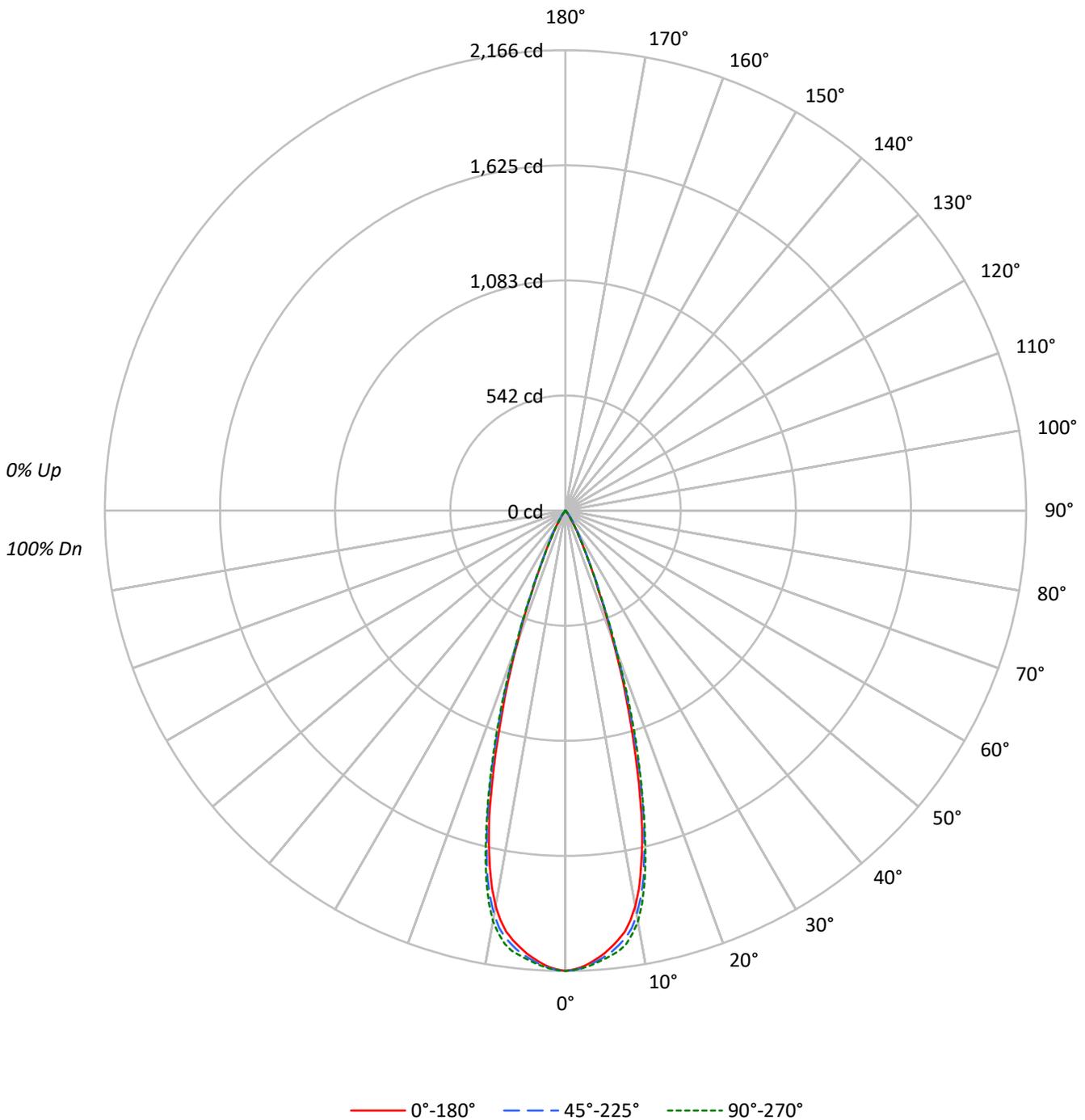
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 721.0 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P1319102
CATALOG NUMBER: LDSQA3D09R359835DE010 3LSQCDR1MMS

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	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	98	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	94	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	372948	372948	372948
5°	361631	364207	366178
10°	330452	337447	343236
15°	237653	248030	250063
20°	120980	127065	127376
25°	45910	46880	45568
30°	17838	20662	17381
35°	6118	9608	5761
40°	2046	3732	1933
45°	146	1242	146
50°	0	161	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: 1242 cd/sqm



TEST NUMBER: P1319102

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.0	27.2
10°-20°	365.2	50.7
20°-30°	131.3	18.2
30°-40°	25.6	3.6
40°-50°	2.9	0.4
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°	692.5	96.0
0°-40°	718.1	99.6
0°-60°	721.0	100.0
0°-90°	721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	721.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2166	2166	2166	2166	2166	
5°	2092	2098	2107	2116	2118	194
15°	1333	1355	1391	1401	1402	354
25°	242	244	247	245	240	127
35°	29	33	46	34	27	22
45°	1	2	5	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	0



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CATALOG NUMBER: LDSQA3D09R359835DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2165.5	2165.5	2165.5	2165.5	2165.5
1°	2159.2	2162.0	2162.6	2166.6	2162.0
2°	2150.1	2151.8	2154.1	2157.5	2155.2
3°	2132.4	2135.8	2140.9	2145.5	2145.5
4°	2113.5	2118.1	2124.4	2132.4	2131.8
5°	2091.8	2097.5	2106.7	2116.4	2118.1
6°	2064.4	2071.2	2086.1	2099.8	2102.1
7°	2035.3	2045.5	2059.8	2079.8	2085.0
8°	2001.0	2009.0	2029.6	2053.0	2058.7
9°	1950.8	1962.7	1989.0	2010.7	2014.1
10°	1889.6	1898.2	1929.6	1952.5	1962.7
11°	1810.8	1823.4	1854.2	1877.7	1884.5
12°	1710.3	1728.6	1764.6	1781.7	1787.4
13°	1601.8	1617.3	1645.2	1666.4	1670.9
14°	1479.6	1494.5	1523.6	1540.7	1536.7
15°	1332.9	1355.1	1391.1	1400.8	1402.5
17.5°	984.5	998.8	1030.8	1046.2	1057.0
20°	660.1	673.9	693.3	703.6	695.0
22.5°	401.5	412.9	423.2	422.6	419.7
25°	241.6	243.8	246.7	245.0	239.8
27.5°	141.1	147.3	155.9	150.2	141.6
30°	89.7	94.8	103.9	94.2	87.4
32.5°	47.4	60.0	69.7	56.5	49.7
35°	29.1	33.1	45.7	33.7	27.4
37.5°	17.7	20.6	28.6	20.0	16.0
40°	9.1	13.1	16.6	12.0	8.6
42.5°	2.9	6.3	9.1	5.7	2.9
45°	0.6	1.7	5.1	1.7	0.6
47.5°	0.0	0.0	2.3	0.6	0.0
50°	0.0	0.0	0.6	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



TEST NUMBER: P1319102
CATALOG NUMBER: LDSQA3D09R359835DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)