

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: P1310416

Luminaire Tested: LDSQA3D13R509035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509035DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

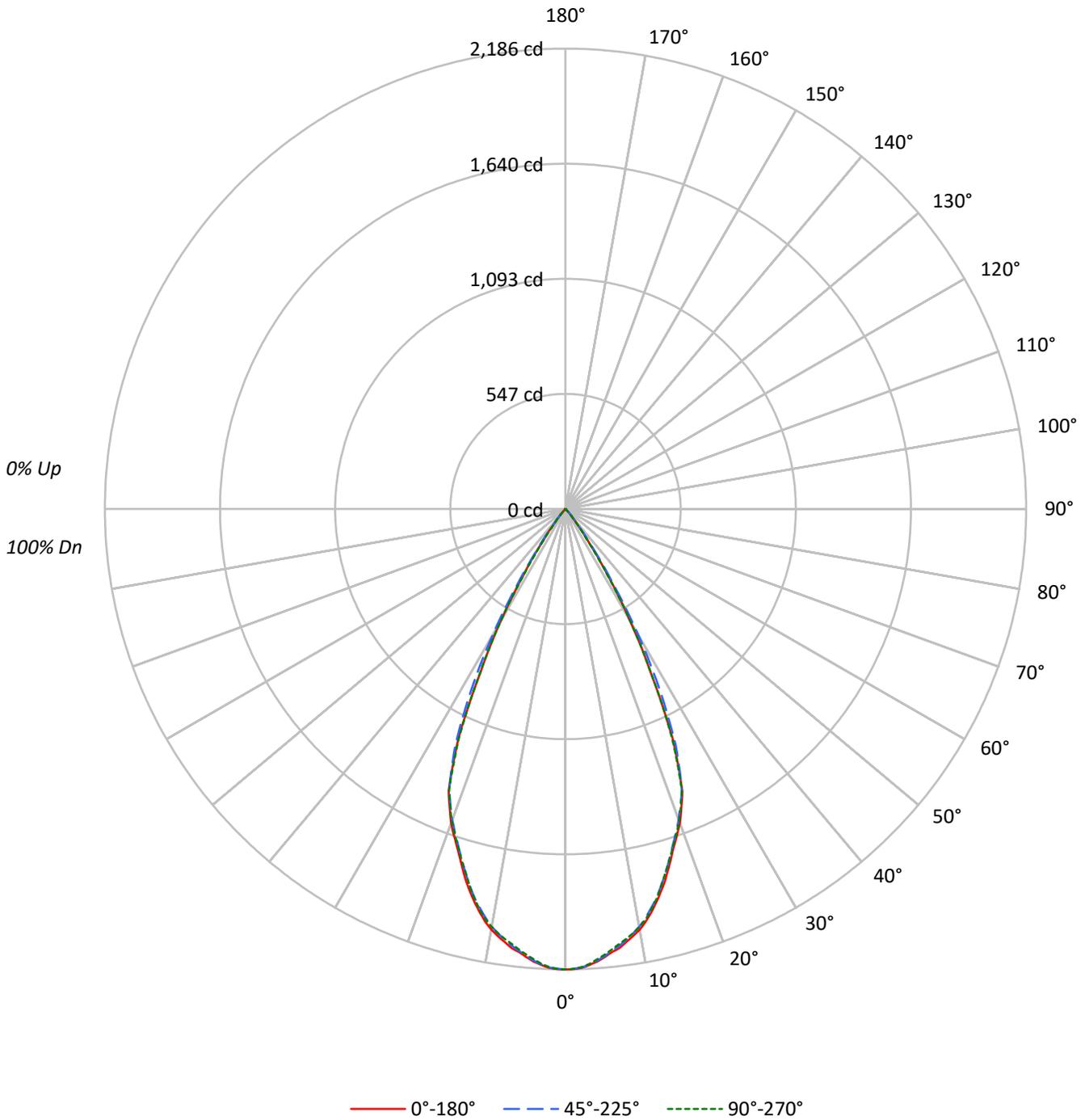
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1409.0 lumens
Efficiency: N/A
Efficacy: 96.5 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 (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

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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	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	376548	376548	376548
5°	369169	368478	367440
10°	354725	352277	352452
15°	325626	322595	322238
20°	290913	287798	289264
25°	228640	235291	226740
30°	122322	137038	122720
35°	39947	46674	37634
40°	9892	12365	9442
45°	1218	4384	1218
50°	804	1340	804
55°	901	901	901
60°	689	689	689
65°	815	815	815
70°	504	504	504
75°	665	665	665
80°	992	992	992
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4384 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.9	14.2
10°-20°	505.6	35.9
20°-30°	531.8	37.7
30°-40°	153.3	10.9
40°-50°	12.4	0.9
50°-60°	2.7	0.2
60°-70°	1.9	0.1
70°-80°	1.1	0.1
80°-90°	0.3	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°	1237.4	87.8
0°-40°	1390.6	98.7
0°-60°	1405.8	99.8
0°-90°	1409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1409.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2186	2186	2186	2186	2186	
5°	2135	2134	2131	2133	2125	200
15°	1826	1814	1809	1809	1807	509
25°	1203	1233	1238	1224	1193	521
35°	190	197	222	190	179	147
45°	5	10	18	10	5	9
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	2186.4	2186.4	2186.4	2186.4	2186.4
1°	2185.4	2187.4	2183.4	2190.4	2184.4
2°	2180.4	2181.4	2179.4	2184.4	2176.4
3°	2168.4	2170.4	2166.4	2170.4	2163.4
4°	2154.4	2154.4	2150.4	2153.4	2144.4
5°	2135.4	2134.4	2131.4	2133.4	2125.4
6°	2115.4	2114.4	2109.4	2109.4	2103.4
7°	2100.4	2093.4	2089.4	2088.4	2082.4
8°	2076.4	2074.4	2066.4	2066.4	2062.4
9°	2052.4	2050.4	2041.4	2043.4	2040.4
10°	2028.4	2021.4	2014.4	2015.4	2015.4
11°	1996.3	1990.3	1980.3	1984.3	1986.3
12°	1958.3	1951.3	1942.3	1950.3	1949.3
13°	1916.3	1910.3	1903.3	1909.3	1907.3
14°	1872.3	1863.3	1857.3	1861.3	1859.3
15°	1826.3	1814.3	1809.3	1809.3	1807.3
17.5°	1697.3	1690.3	1685.3	1682.3	1689.3
20°	1587.3	1581.3	1570.3	1573.3	1578.3
22.5°	1449.3	1448.3	1442.3	1437.3	1443.3
25°	1203.2	1233.2	1238.2	1224.2	1193.2
27.5°	874.2	944.2	969.2	936.2	879.2
30°	615.1	648.1	689.1	624.1	617.1
32.5°	371.1	380.1	418.1	373.1	363.1
35°	190.0	197.0	222.0	190.0	179.0
37.5°	89.0	93.0	103.0	89.0	83.0
40°	44.0	49.0	55.0	46.0	42.0
42.5°	19.0	25.0	32.0	24.0	17.0
45°	5.0	10.0	18.0	10.0	5.0
47.5°	3.0	4.0	10.0	4.0	3.0
50°	3.0	3.0	5.0	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	3.0
60°	2.0	3.0	2.0	3.0	2.0
62.5°	2.0	2.0	2.0	2.0	2.0
65°	2.0	2.0	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.0	2.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	1.0	0.0	1.0	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)