

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: P1310415

Luminaire Tested: LDSQA3D13R509035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310415
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: LDSQA3D13R509035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

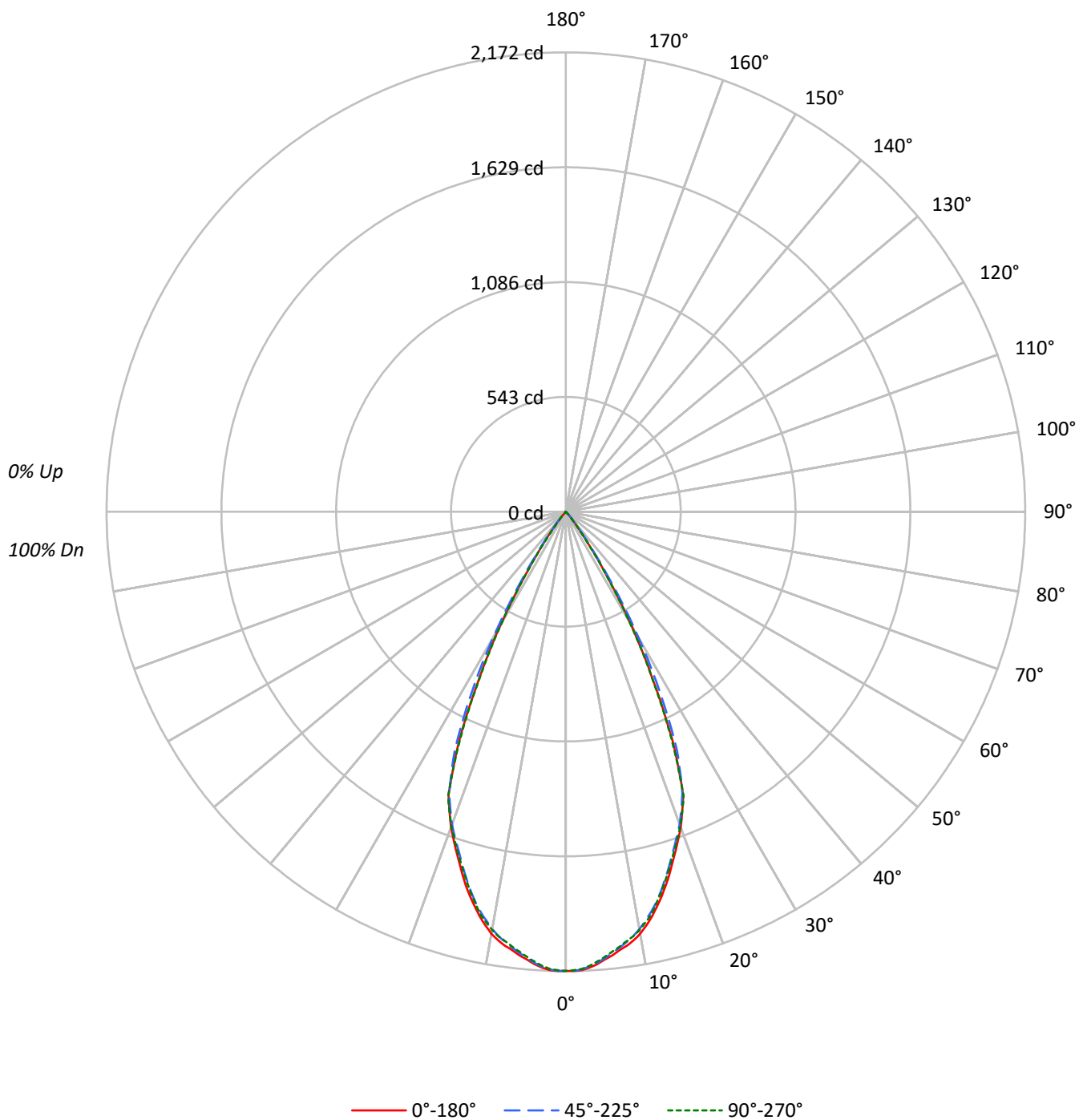
Lumens per Lamp: N/A
Luminaire Lumens: 1398.0 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1310415

CATALOG NUMBER: LDSQA3D13R509035DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1310415

CATALOG NUMBER: LDSQA3D13R509035DE010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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°	373895	373895	373895
5°	367371	366334	365297
10°	354306	350458	351158
15°	325929	321828	322719
20°	291042	288292	289942
25°	226512	236013	224041
30°	122700	137018	120513
35°	38685	46044	37844
40°	8543	11915	8094
45°	244	3653	244
50°	0	536	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: 3653 cd/sqm

TEST NUMBER: P1310415

CATALOG NUMBER: LDSQA3D13R509035DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.9	14.2
10°-20°	505.4	36.1
20°-30°	532.3	38.1
30°-40°	152.0	10.9
40°-50°	9.4	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°	1236.5	88.4
0°-40°	1388.5	99.3
0°-60°	1398.0	100.0
0°-90°	1398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1398.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2171	2171	2171	2171	2171	
5°	2125	2123	2119	2117	2113	200
15°	1828	1816	1805	1808	1810	509
25°	1192	1236	1242	1228	1179	521
35°	184	197	219	186	180	144
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	

TEST NUMBER: P1310415

CATALOG NUMBER: LDSQA3D13R509035DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2171	2171	2171	2171	2171
1°	2172	2173	2171	2173	2168
2°	2169	2167	2165	2166	2163
3°	2158	2157	2153	2154	2150
4°	2144	2141	2138	2136	2132
5°	2125	2123	2119	2117	2113
6°	2109	2105	2098	2096	2092
7°	2088	2086	2077	2075	2073
8°	2072	2066	2055	2056	2051
9°	2051	2043	2032	2032	2033
10°	2026	2014	2004	2007	2008
11°	1993	1985	1970	1977	1977
12°	1957	1947	1936	1942	1946
13°	1915	1907	1897	1903	1901
14°	1874	1859	1852	1860	1857
15°	1828	1816	1805	1808	1810
17.5°	1705	1692	1684	1685	1694
20°	1588	1583	1573	1577	1582
22.5°	1450	1452	1440	1443	1455
25°	1192	1236	1242	1228	1179
27.5°	883	949	969	937	877
30°	617	635	689	628	606
32.5°	362	389	418	376	361
35°	184	197	219	186	180
37.5°	85	91	100	85	80
40°	38	45	53	43	36
42.5°	12	21	28	19	11
45°	1	5	15	5	1
47.5°	0	1	6	1	0
50°	0	0	2	0	0
52.5°	0	0	0	0	0
55°	0	0	0	0	0
57.5°	0	0	0	0	0
60°	0	0	0	0	0
62.5°	0	0	0	0	0
65°	0	0	0	0	0
67.5°	0	0	0	0	0
70°	0	0	0	0	0
72.5°	0	0	0	0	0
75°	0	0	0	0	0
77.5°	0	0	0	0	0
80°	0	0	0	0	0
82.5°	0	0	0	0	0
85°	0	0	0	0	0
87.5°	0	0	0	0	0



TEST NUMBER: P1310415

CATALOG NUMBER: LDSQA3D13R509035DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0	0	0	0	0

(END OF REPORT)