

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: P1310370

Luminaire Tested: LDSQA3D13R309035DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309035DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

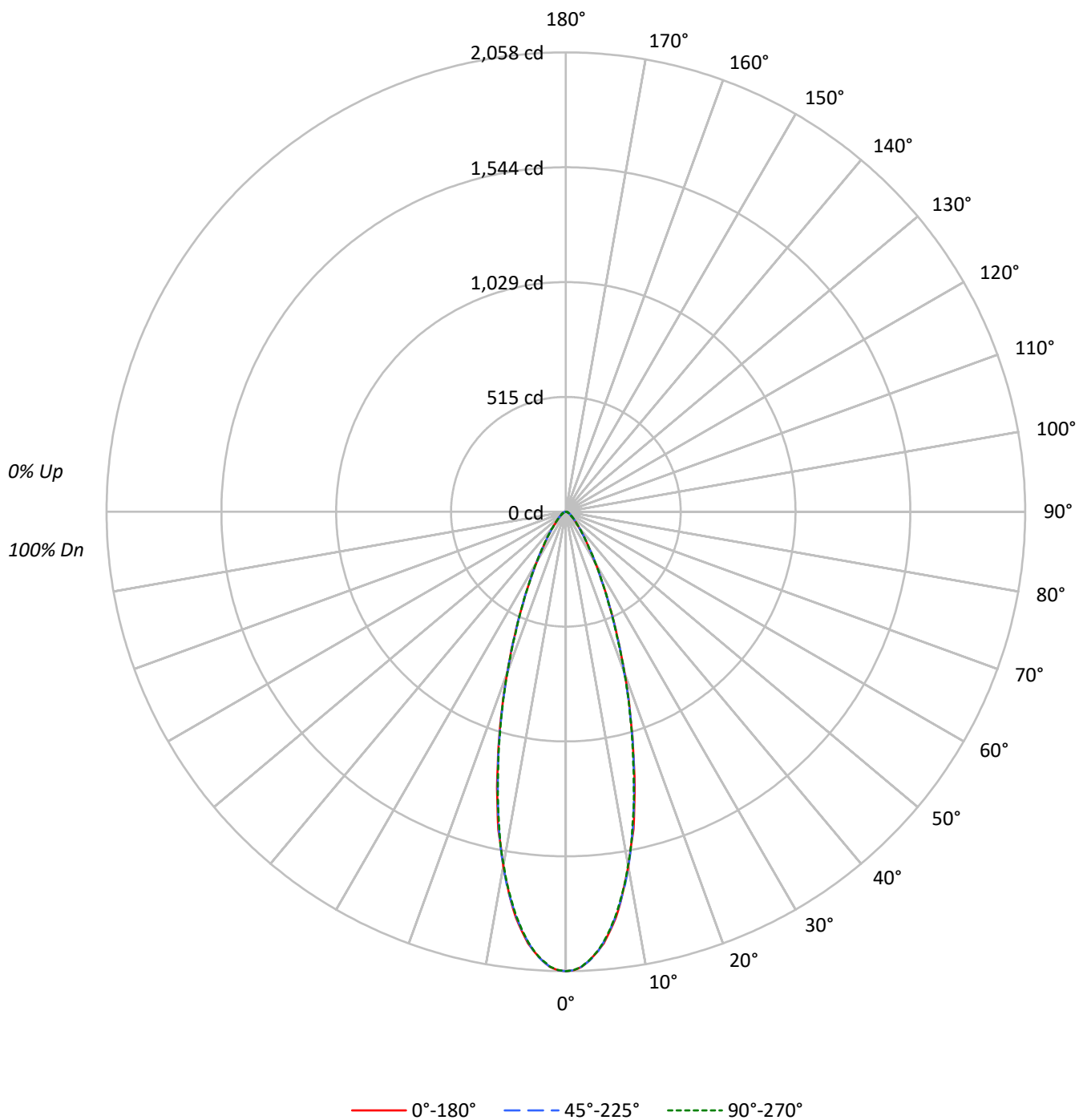
Lumens per Lamp: N/A
Luminaire Lumens: 904.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	354503	354503	354503
5°	335630	334766	334593
10°	281958	281958	280909
15°	210071	209536	208288
20°	140609	139876	140059
25°	86671	86481	86861
30°	52123	52123	52322
35°	31957	31957	32167
40°	20234	20234	20684
45°	13883	14126	14126
50°	10181	10181	10181
55°	7807	8107	8107
60°	6544	6544	6889
65°	5705	5705	5705
70°	5035	5539	5539
75°	4658	4658	4658
80°	3967	3967	3967
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 14126 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.5	19.3
10°-20°	322.2	35.6
20°-30°	214.2	23.7
30°-40°	99.0	11.0
40°-50°	46.0	5.1
50°-60°	24.6	2.7
60°-70°	14.3	1.6
70°-80°	7.6	0.8
80°-90°	1.6	0.2
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°	710.9	78.6
0°-40°	809.9	89.6
0°-60°	880.4	97.4
0°-90°	904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	904.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2058	2058	2058	2058	2058	
5°	1941	1937	1936	1941	1935	175
15°	1178	1182	1175	1175	1168	323
25°	456	455	455	455	457	215
35°	152	151	152	153	153	98
45°	57	57	58	58	58	46
55°	26	27	27	27	27	24
65°	14	14	14	14	14	14
75°	7	7	7	7	7	7
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2058.4	2058.4	2058.4	2058.4	2058.4
1°	2054.4	2052.4	2054.4	2057.4	2053.4
2°	2040.4	2038.4	2038.4	2042.4	2038.4
3°	2013.4	2015.4	2014.4	2018.4	2011.4
4°	1979.4	1978.4	1982.4	1984.4	1978.4
5°	1941.4	1937.4	1936.4	1941.4	1935.4
6°	1889.4	1886.4	1884.4	1890.4	1882.4
7°	1833.4	1831.4	1828.4	1830.4	1824.4
8°	1764.4	1763.4	1761.4	1763.4	1756.4
9°	1687.3	1687.3	1691.3	1690.3	1686.3
10°	1612.3	1614.3	1612.3	1614.3	1606.3
11°	1528.3	1528.3	1530.3	1529.3	1530.3
12°	1455.3	1447.3	1445.3	1443.3	1437.3
13°	1361.3	1355.3	1353.3	1355.3	1352.3
14°	1275.3	1271.3	1261.3	1263.3	1259.3
15°	1178.2	1182.2	1175.2	1175.2	1168.2
17.5°	963.2	959.2	961.2	962.2	959.2
20°	767.2	765.2	763.2	761.2	764.2
22.5°	596.1	597.1	595.1	593.1	591.1
25°	456.1	455.1	455.1	455.1	457.1
27.5°	346.1	346.1	346.1	347.1	347.1
30°	262.1	260.1	262.1	263.1	263.1
32.5°	196.0	198.0	199.0	199.0	199.0
35°	152.0	151.0	152.0	153.0	153.0
37.5°	116.0	116.0	117.0	117.0	118.0
40°	90.0	90.0	90.0	91.0	92.0
42.5°	71.0	71.0	72.0	72.0	73.0
45°	57.0	57.0	58.0	58.0	58.0
47.5°	46.0	46.0	47.0	47.0	47.0
50°	38.0	38.0	38.0	38.0	38.0
52.5°	32.0	31.0	32.0	32.0	32.0
55°	26.0	27.0	27.0	27.0	27.0
57.5°	22.0	23.0	23.0	23.0	23.0
60°	19.0	19.0	19.0	20.0	20.0
62.5°	16.0	17.0	17.0	17.0	17.0
65°	14.0	14.0	14.0	14.0	14.0
67.5°	12.0	12.0	12.0	12.0	13.0
70°	10.0	10.0	11.0	11.0	11.0
72.5°	9.0	9.0	9.0	9.0	9.0
75°	7.0	7.0	7.0	7.0	7.0
77.5°	5.0	5.0	6.0	6.0	5.0
80°	4.0	4.0	4.0	4.0	4.0
82.5°	3.0	3.0	3.0	3.0	3.0
85°	1.0	1.0	1.0	1.0	1.0
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)