

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: P1312565

Luminaire Tested: LDSQA3D13R309050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312565
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: LDSQA3D13R309050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

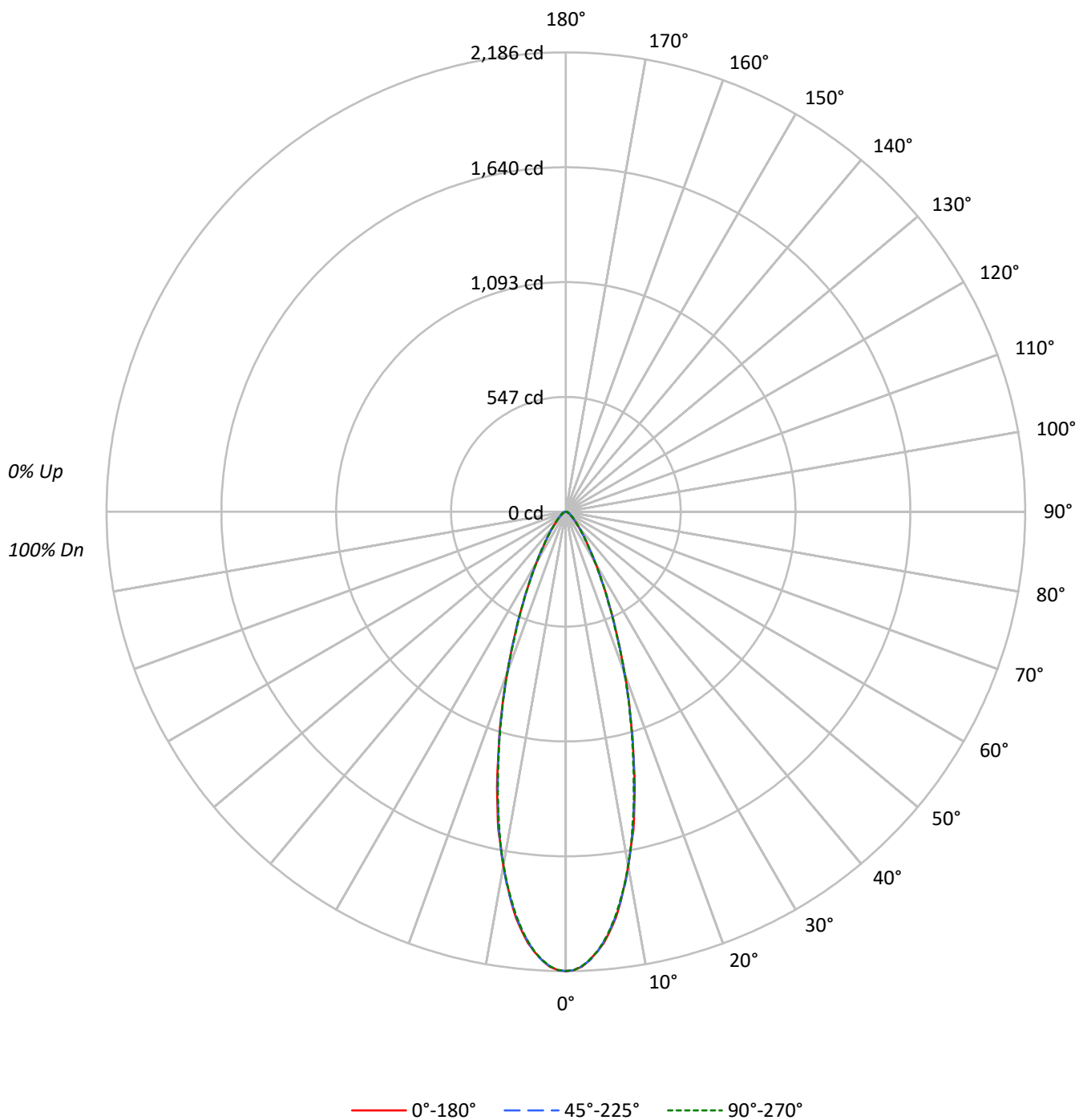
Lumens per Lamp: N/A
Luminaire Lumens: 960.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	376461	376461	376461
5°	356428	355494	355321
10°	299429	299429	298309
15°	223086	222516	221196
20°	149315	148526	148728
25°	92030	91840	92239
30°	55344	55344	55543
35°	33934	33934	34165
40°	21493	21493	21965
45°	14735	15003	15003
50°	10824	10824	10824
55°	8287	8617	8617
60°	6958	6958	7302
65°	6072	6072	6072
70°	5338	5891	5891
75°	4924	4924	4924
80°	4166	4166	4166
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 15003 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.3	19.3
10°-20°	342.2	35.6
20°-30°	227.5	23.7
30°-40°	105.1	11.0
40°-50°	48.8	5.1
50°-60°	26.1	2.7
60°-70°	15.2	1.6
70°-80°	8.1	0.8
80°-90°	1.7	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°	754.9	78.6
0°-40°	860.1	89.6
0°-60°	935.0	97.4
0°-90°	960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	960.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2186	2186	2186	2186	2186	
5°	2062	2057	2056	2062	2055	185
15°	1251	1256	1248	1248	1241	343
25°	484	483	483	483	485	228
35°	161	160	161	162	162	105
45°	60	60	62	62	62	48
55°	28	29	29	29	29	26
65°	15	15	15	15	15	15
75°	7	7	7	7	7	8
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°	2185.9	2185.9	2185.9	2185.9	2185.9
1°	2181.7	2179.6	2181.7	2184.9	2180.6
2°	2166.8	2164.7	2164.7	2168.9	2164.7
3°	2138.1	2140.3	2139.2	2143.4	2136.0
4°	2102.0	2101.0	2105.2	2107.3	2101.0
5°	2061.7	2057.4	2056.3	2061.7	2055.3
6°	2006.4	2003.2	2001.1	2007.5	1999.0
7°	1946.9	1944.8	1941.6	1943.8	1937.4
8°	1873.6	1872.6	1870.5	1872.6	1865.2
9°	1791.9	1791.9	1796.1	1795.0	1790.8
10°	1712.2	1714.3	1712.2	1714.3	1705.8
11°	1623.0	1623.0	1625.1	1624.0	1625.1
12°	1545.4	1536.9	1534.8	1532.7	1526.3
13°	1445.6	1439.2	1437.1	1439.2	1436.0
14°	1354.3	1350.0	1339.4	1341.5	1337.3
15°	1251.2	1255.5	1248.0	1248.0	1240.6
17.5°	1022.9	1018.6	1020.7	1021.8	1018.6
20°	814.7	812.6	810.4	808.3	811.5
22.5°	633.0	634.1	632.0	629.9	627.7
25°	484.3	483.3	483.3	483.3	485.4
27.5°	367.5	367.5	367.5	368.6	368.6
30°	278.3	276.2	278.3	279.3	279.3
32.5°	208.2	210.3	211.4	211.4	211.4
35°	161.4	160.4	161.4	162.5	162.5
37.5°	123.2	123.2	124.3	124.3	125.3
40°	95.6	95.6	95.6	96.7	97.7
42.5°	75.4	75.4	76.5	76.5	77.5
45°	60.5	60.5	61.6	61.6	61.6
47.5°	48.9	48.9	49.9	49.9	49.9
50°	40.4	40.4	40.4	40.4	40.4
52.5°	34.0	32.9	34.0	34.0	34.0
55°	27.6	28.7	28.7	28.7	28.7
57.5°	23.4	24.4	24.4	24.4	24.4
60°	20.2	20.2	20.2	21.2	21.2
62.5°	17.0	18.1	18.1	18.1	18.1
65°	14.9	14.9	14.9	14.9	14.9
67.5°	12.7	12.7	12.7	12.7	13.8
70°	10.6	10.6	11.7	11.7	11.7
72.5°	9.6	9.6	9.6	9.6	9.6
75°	7.4	7.4	7.4	7.4	7.4
77.5°	5.3	5.3	6.4	6.4	5.3
80°	4.2	4.2	4.2	4.2	4.2
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.1	1.1	1.1	1.1	1.1
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)