

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: P1323910

Luminaire Tested: LDSQA3D13R309030D2WDE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323910
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: LDSQA3D13R309030D2WDE010 3LSQPHRL1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

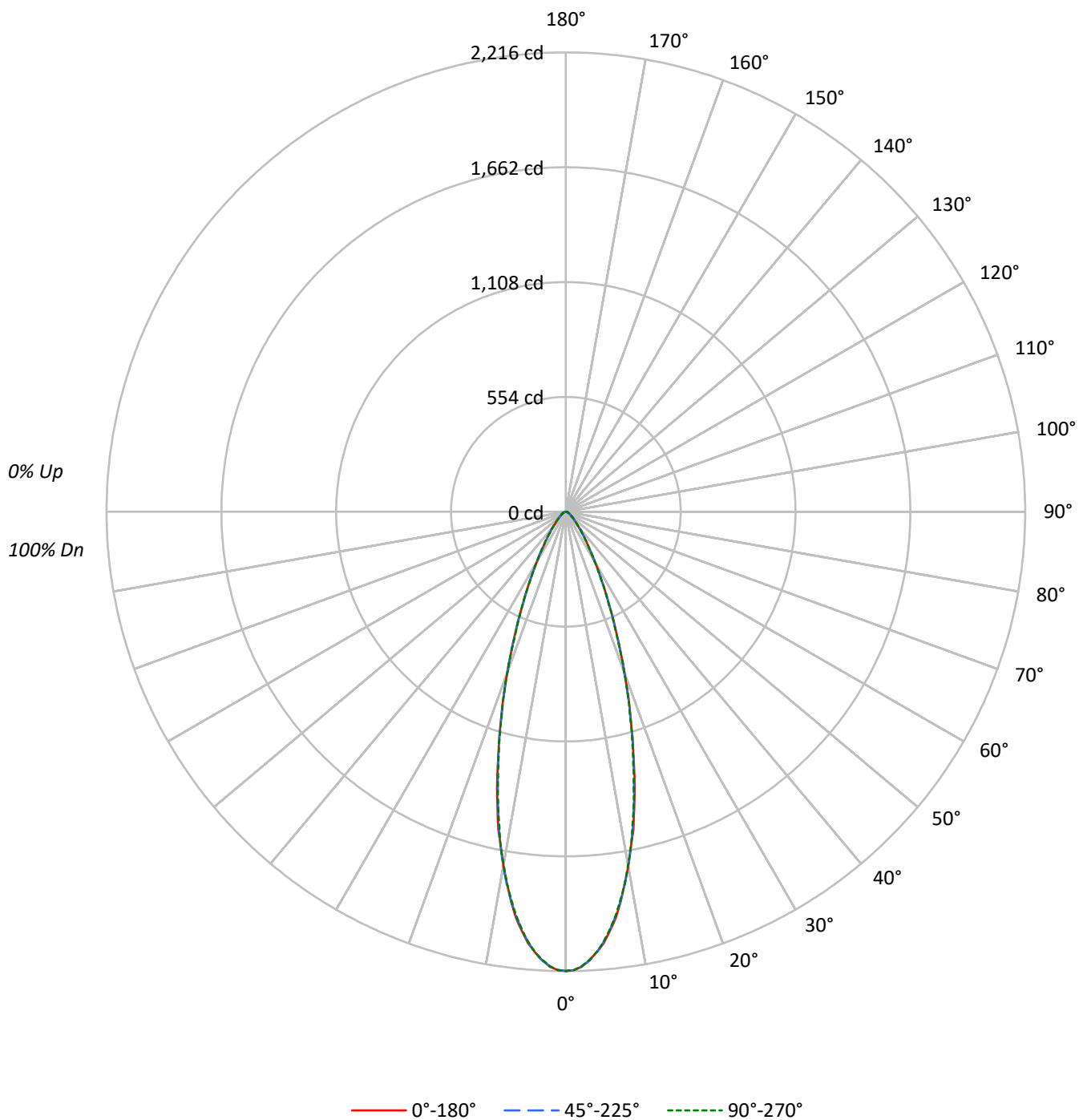
Lumens per Lamp: N/A
Luminaire Lumens: 973.0 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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°	381559	381559	381559
5°	361251	360318	360127
10°	303486	303486	302349
15°	226118	225529	224192
20°	151331	150543	150744
25°	93284	93075	93493
30°	56100	56100	56299
35°	34396	34396	34627
40°	21785	21785	22257
45°	14955	15198	15198
50°	10958	10958	10958
55°	8407	8738	8738
60°	7061	7061	7406
65°	6153	6153	6153
70°	5438	5942	5942
75°	4991	4991	4991
80°	4265	4265	4265
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 15198 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.8	19.3
10°-20°	346.8	35.6
20°-30°	230.5	23.7
30°-40°	106.6	11.0
40°-50°	49.5	5.1
50°-60°	26.4	2.7
60°-70°	15.4	1.6
70°-80°	8.2	0.8
80°-90°	1.8	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°	765.1	78.6
0°-40°	871.7	89.6
0°-60°	947.6	97.4
0°-90°	973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2216	2216	2216	2216	2216	
5°	2090	2085	2084	2090	2083	188
15°	1268	1272	1265	1265	1257	348
25°	491	490	490	490	492	231
35°	164	163	164	165	165	106
45°	61	61	62	62	62	49
55°	28	29	29	29	29	26
65°	15	15	15	15	15	15
75°	8	8	8	8	8	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°	2215.5	2215.5	2215.5	2215.5	2215.5
1°	2211.2	2209.1	2211.2	2214.4	2210.1
2°	2196.1	2194.0	2194.0	2198.3	2194.0
3°	2167.1	2169.2	2168.2	2172.5	2164.9
4°	2130.5	2129.4	2133.7	2135.9	2129.4
5°	2089.6	2085.3	2084.2	2089.6	2083.1
6°	2033.6	2030.4	2028.2	2034.7	2026.1
7°	1973.3	1971.1	1967.9	1970.1	1963.6
8°	1899.0	1897.9	1895.8	1897.9	1890.4
9°	1816.1	1816.1	1820.4	1819.4	1815.1
10°	1735.4	1737.5	1735.4	1737.5	1728.9
11°	1645.0	1645.0	1647.1	1646.0	1647.1
12°	1566.4	1557.8	1555.6	1553.5	1547.0
13°	1465.2	1458.7	1456.6	1458.7	1455.5
14°	1372.6	1368.3	1357.5	1359.7	1355.4
15°	1268.2	1272.5	1264.9	1264.9	1257.4
17.5°	1036.7	1032.4	1034.6	1035.6	1032.4
20°	825.7	823.6	821.4	819.2	822.5
22.5°	641.6	642.7	640.5	638.4	636.2
25°	490.9	489.8	489.8	489.8	492.0
27.5°	372.5	372.5	372.5	373.6	373.6
30°	282.1	279.9	282.1	283.1	283.1
32.5°	211.0	213.2	214.2	214.2	214.2
35°	163.6	162.6	163.6	164.7	164.7
37.5°	124.9	124.9	126.0	126.0	127.0
40°	96.9	96.9	96.9	98.0	99.0
42.5°	76.4	76.4	77.5	77.5	78.6
45°	61.4	61.4	62.4	62.4	62.4
47.5°	49.5	49.5	50.6	50.6	50.6
50°	40.9	40.9	40.9	40.9	40.9
52.5°	34.4	33.4	34.4	34.4	34.4
55°	28.0	29.1	29.1	29.1	29.1
57.5°	23.7	24.8	24.8	24.8	24.8
60°	20.5	20.5	20.5	21.5	21.5
62.5°	17.2	18.3	18.3	18.3	18.3
65°	15.1	15.1	15.1	15.1	15.1
67.5°	12.9	12.9	12.9	12.9	14.0
70°	10.8	10.8	11.8	11.8	11.8
72.5°	9.7	9.7	9.7	9.7	9.7
75°	7.5	7.5	7.5	7.5	7.5
77.5°	5.4	5.4	6.5	6.5	5.4
80°	4.3	4.3	4.3	4.3	4.3
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)