

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: P1313829

Luminaire Tested: LDSQA3D17R309727DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313829
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: LDSQA3D17R309727DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

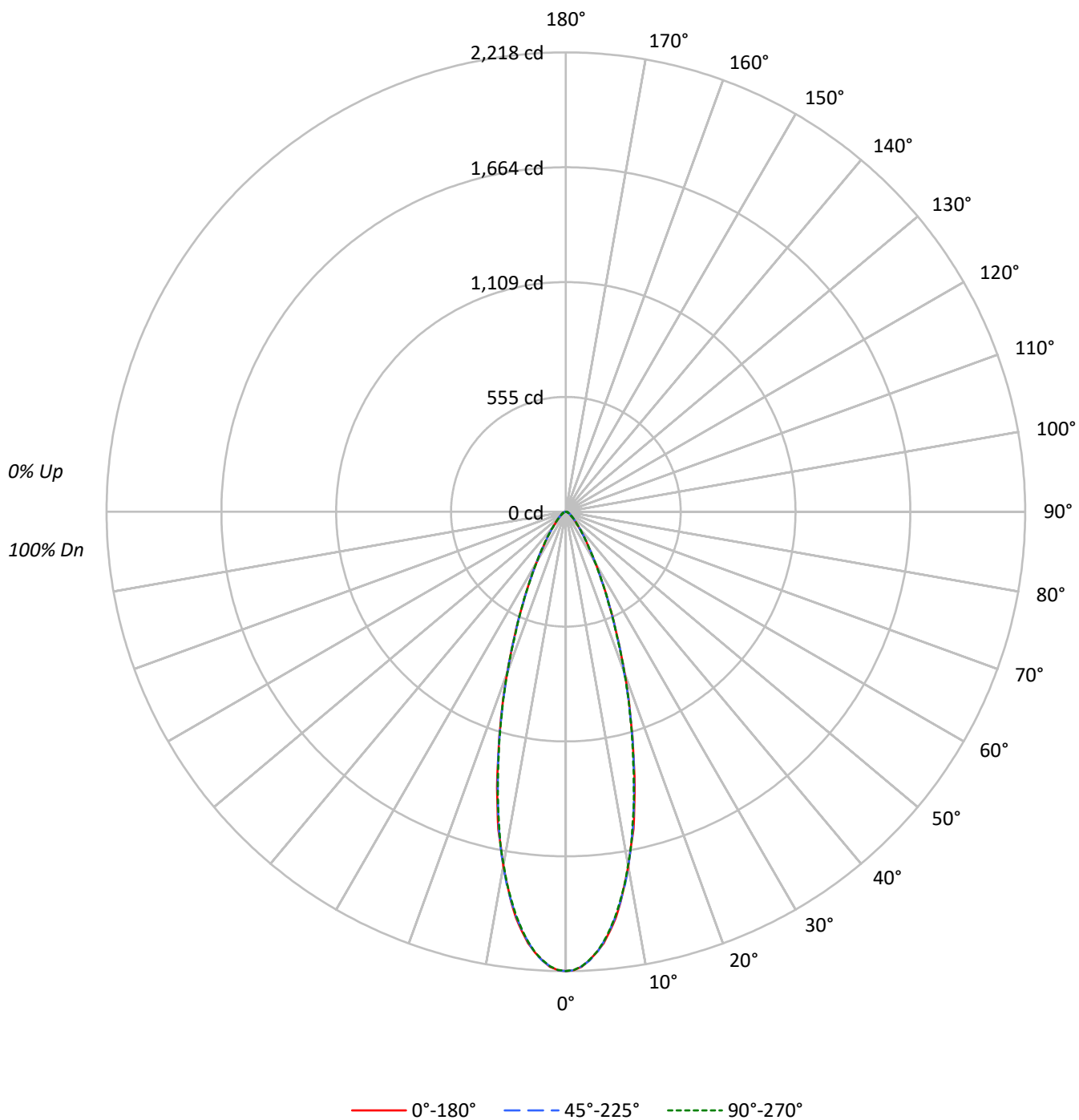
Lumens per Lamp: N/A
Luminaire Lumens: 974.0 lumens
Efficiency: N/A
Efficacy: 45.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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			0
RW	70	50	30	10	70	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	100
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85	82	79	78
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74	71	68	66
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	381955	381955	381955
5°	361614	360681	360508
10°	303801	303801	302664
15°	226349	225761	224424
20°	151496	150689	150891
25°	93379	93170	93588
30°	56140	56140	56359
35°	34438	34438	34669
40°	21808	21808	22280
45°	14955	15222	15222
50°	10985	10985	10985
55°	8407	8738	8738
60°	7061	7061	7440
65°	6153	6153	6153
70°	5438	5992	5992
75°	4991	4991	4991
80°	4265	4265	4265
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 15222 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.0	19.3
10°-20°	347.1	35.6
20°-30°	230.8	23.7
30°-40°	106.7	11.0
40°-50°	49.5	5.1
50°-60°	26.5	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°	765.9	78.6
0°-40°	872.6	89.6
0°-60°	948.6	97.4
0°-90°	974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2218	2218	2218	2218	2218	
5°	2092	2087	2086	2092	2085	188
15°	1270	1274	1266	1266	1259	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°	2217.8	2217.8	2217.8	2217.8	2217.8
1°	2213.5	2211.3	2213.5	2216.7	2212.4
2°	2198.4	2196.2	2196.2	2200.6	2196.2
3°	2169.3	2171.5	2170.4	2174.7	2167.2
4°	2132.7	2131.6	2135.9	2138.1	2131.6
5°	2091.7	2087.4	2086.3	2091.7	2085.3
6°	2035.7	2032.4	2030.3	2036.8	2028.1
7°	1975.3	1973.2	1969.9	1972.1	1965.6
8°	1901.0	1899.9	1897.7	1899.9	1892.4
9°	1818.0	1818.0	1822.3	1821.2	1816.9
10°	1737.2	1739.3	1737.2	1739.3	1730.7
11°	1646.6	1646.6	1648.8	1647.7	1648.8
12°	1568.0	1559.4	1557.2	1555.0	1548.6
13°	1466.7	1460.2	1458.1	1460.2	1457.0
14°	1374.0	1369.7	1358.9	1361.1	1356.8
15°	1269.5	1273.8	1266.2	1266.2	1258.7
17.5°	1037.8	1033.5	1035.6	1036.7	1033.5
20°	826.6	824.4	822.2	820.1	823.3
22.5°	642.3	643.4	641.2	639.0	636.9
25°	491.4	490.3	490.3	490.3	492.5
27.5°	372.9	372.9	372.9	373.9	373.9
30°	282.3	280.2	282.3	283.4	283.4
32.5°	211.2	213.4	214.5	214.5	214.5
35°	163.8	162.7	163.8	164.9	164.9
37.5°	125.0	125.0	126.1	126.1	127.2
40°	97.0	97.0	97.0	98.1	99.1
42.5°	76.5	76.5	77.6	77.6	78.7
45°	61.4	61.4	62.5	62.5	62.5
47.5°	49.6	49.6	50.6	50.6	50.6
50°	41.0	41.0	41.0	41.0	41.0
52.5°	34.5	33.4	34.5	34.5	34.5
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	21.6	21.6
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	11.9	11.9	11.9
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)