

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: P1311550

Luminaire Tested: LDSQA3D13R609040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R609040DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

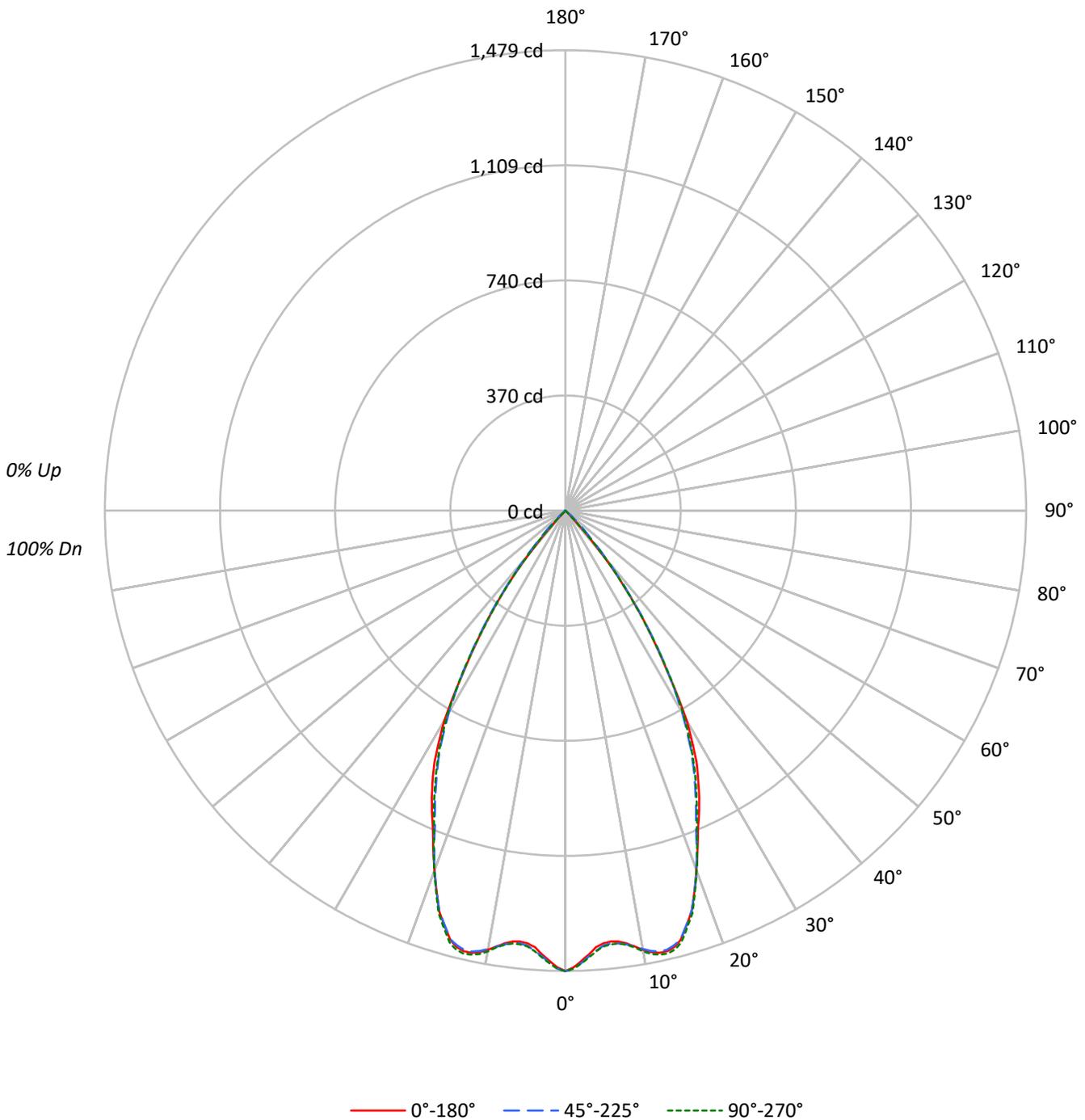
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1311.0 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
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			0	
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	254786	254786	254786
5°	241289	242551	242914
10°	250480	250113	251582
15°	254627	254253	256125
20°	225337	225337	225722
25°	193105	187347	188944
30°	154479	148871	151158
35°	95830	97806	95619
40°	42064	46313	43256
45°	511	15028	1267
50°	0	1688	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: 15028 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	10.3
10°-20°	391.7	29.9
20°-30°	454.7	34.7
30°-40°	286.3	21.8
40°-50°	43.0	3.3
50°-60°	0.2	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°	981.5	74.9
0°-40°	1267.8	96.7
0°-60°	1311.0	100.0
0°-90°	1311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1311.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1479	1479	1479	1479	1479	
5°	1396	1401	1403	1406	1405	135
15°	1428	1423	1426	1436	1436	392
25°	1016	1005	986	990	994	462
35°	456	457	465	456	455	285
45°	2	20	62	26	5	28
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1479.4	1479.4	1479.4	1479.4	1479.4
1°	1467.9	1472.0	1472.0	1473.1	1472.0
2°	1448.0	1454.3	1454.3	1457.4	1455.3
3°	1428.1	1433.4	1434.4	1438.6	1437.5
4°	1406.2	1414.5	1417.7	1419.8	1418.7
5°	1395.7	1401.0	1403.0	1406.2	1405.1
6°	1391.5	1395.7	1397.8	1401.0	1401.0
7°	1394.7	1397.8	1401.0	1403.0	1401.0
8°	1404.1	1407.2	1407.2	1411.4	1408.3
9°	1417.7	1418.7	1418.7	1424.0	1420.8
10°	1432.3	1430.2	1430.2	1437.5	1438.6
11°	1444.9	1442.8	1441.7	1449.0	1451.1
12°	1452.2	1448.0	1448.0	1457.4	1458.5
13°	1453.2	1448.0	1448.0	1457.4	1460.5
14°	1444.9	1438.6	1439.6	1450.1	1453.2
15°	1428.1	1422.9	1426.0	1435.5	1436.5
17.5°	1348.7	1345.5	1347.6	1353.9	1355.0
20°	1229.5	1227.4	1229.5	1229.5	1231.6
22.5°	1111.4	1106.1	1095.7	1101.9	1103.0
25°	1016.2	1004.7	985.9	990.1	994.3
27.5°	911.7	897.0	877.2	882.4	883.4
30°	776.8	769.5	748.6	753.8	760.1
32.5°	600.1	620.0	607.4	606.4	607.4
35°	455.8	456.9	465.2	455.8	454.8
37.5°	318.9	319.9	326.2	315.7	316.8
40°	187.1	200.7	206.0	201.8	192.4
42.5°	58.5	103.5	117.1	101.4	64.8
45°	2.1	19.9	61.7	26.1	5.2
47.5°	0.0	1.0	29.3	2.1	0.0
50°	0.0	0.0	6.3	0.0	0.0
52.5°	0.0	0.0	1.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)