

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: P1308355

Luminaire Tested: LDSQA3D17R609027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R609027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

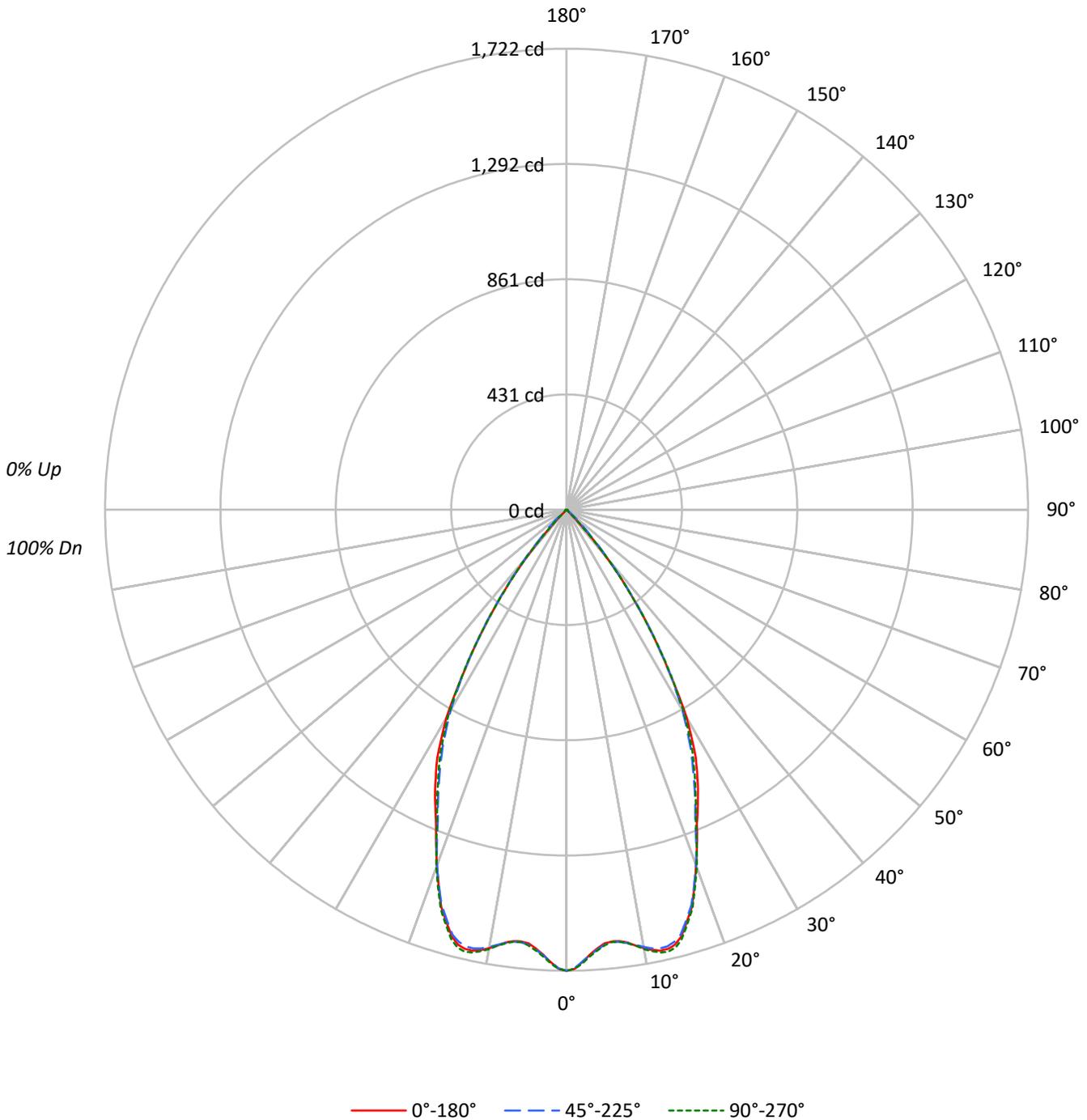
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1536.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
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 (A_{in}): 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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	296585	296585	296585
5°	281086	281916	282331
10°	290860	290020	291489
15°	294406	293122	296117
20°	259225	259005	260325
25°	220602	214198	216022
30°	178044	171820	174703
35°	112691	113701	112439
40°	52675	54856	53485
45°	3215	19314	3800
50°	1608	4501	1608
55°	1802	1802	1802
60°	1653	1653	1653
65°	1467	1956	1467
70°	1813	1813	1813
75°	1597	1597	1597
80°	1190	1190	1190
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 19314 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.9	10.2
10°-20°	452.1	29.4
20°-30°	521.1	33.9
30°-40°	334.6	21.8
40°-50°	58.2	3.8
50°-60°	5.5	0.4
60°-70°	4.2	0.3
70°-80°	2.5	0.2
80°-90°	0.8	0.1
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°	1130.0	73.6
0°-40°	1464.6	95.4
0°-60°	1528.4	99.5
0°-90°	1536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1536.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1722	1722	1722	1722	1722	
5°	1626	1630	1631	1634	1633	157
15°	1651	1645	1644	1655	1661	452
25°	1161	1148	1127	1128	1137	529
35°	536	532	541	530	535	334
45°	13	40	79	47	16	44
55°	6	6	6	6	6	5
65°	4	5	5	5	4	4
75°	2	2	2	2	2	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1722.1	1722.1	1722.1	1722.1	1722.1
1°	1714.9	1713.7	1712.5	1713.7	1714.9
2°	1690.8	1689.6	1688.4	1693.2	1695.6
3°	1664.4	1665.6	1666.8	1669.2	1670.4
4°	1642.8	1645.2	1646.4	1648.8	1650.0
5°	1625.9	1629.5	1630.7	1634.3	1633.1
6°	1621.1	1623.5	1624.7	1625.9	1623.5
7°	1623.5	1624.7	1625.9	1628.3	1625.9
8°	1631.9	1633.1	1634.3	1635.6	1635.6
9°	1648.8	1646.4	1645.2	1650.0	1648.8
10°	1663.2	1659.6	1658.4	1665.6	1666.8
11°	1675.2	1670.4	1669.2	1677.6	1680.0
12°	1683.6	1676.4	1675.2	1686.0	1690.8
13°	1683.6	1674.0	1674.0	1686.0	1693.2
14°	1674.0	1663.2	1663.2	1676.4	1684.8
15°	1651.2	1645.2	1644.0	1654.8	1660.8
17.5°	1555.0	1547.8	1549.0	1561.0	1562.2
20°	1414.4	1410.8	1413.2	1415.6	1420.4
22.5°	1271.4	1269.0	1255.8	1259.4	1261.8
25°	1160.9	1147.7	1127.2	1128.4	1136.8
27.5°	1044.3	1031.1	1002.2	1008.2	1016.7
30°	895.3	884.5	864.0	867.6	878.5
32.5°	703.0	724.6	705.4	711.4	707.8
35°	536.0	532.4	540.8	530.0	534.8
37.5°	377.3	378.5	382.1	372.5	372.5
40°	234.3	240.3	244.0	239.1	237.9
42.5°	98.5	134.6	141.8	134.6	99.7
45°	13.2	39.7	79.3	46.9	15.6
47.5°	6.0	8.4	42.1	8.4	6.0
50°	6.0	6.0	16.8	6.0	6.0
52.5°	6.0	6.0	6.0	6.0	6.0
55°	6.0	6.0	6.0	6.0	6.0
57.5°	6.0	6.0	6.0	6.0	6.0
60°	4.8	4.8	4.8	4.8	4.8
62.5°	4.8	4.8	4.8	4.8	4.8
65°	3.6	4.8	4.8	4.8	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	3.6	3.6	3.6	3.6	3.6
72.5°	2.4	2.4	2.4	2.4	2.4
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2
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)