

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: P1310590

Luminaire Tested: LDSQA3D17R609035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310590
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: LDSQA3D17R609035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

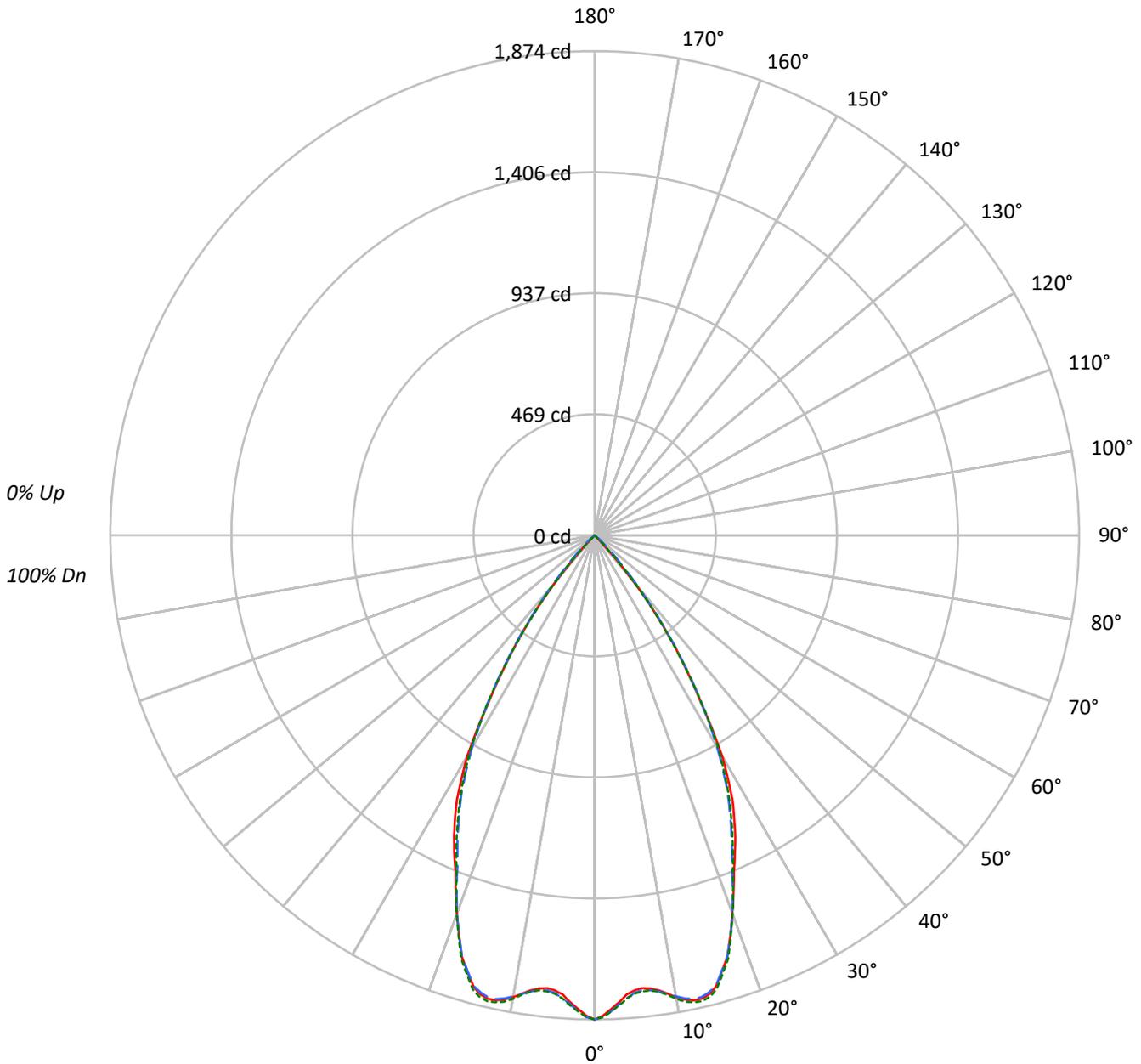
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1661.0 lumens
Efficiency: N/A
Efficacy: 78.3 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): 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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	100	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82	82	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77	77	77	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72	72	72	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67	67	67	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63	63	63	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59	59	59	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56	56	56	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	322797	322797	322797
5°	305705	307312	307779
10°	317354	316899	318753
15°	322612	322149	324502
20°	285488	285488	285983
25°	244659	237362	239377
30°	195723	188604	191508
35°	121417	123918	121143
40°	53305	58656	54789
45°	633	19046	1607
50°	0	2117	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: 19046 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.2	10.3
10°-20°	496.2	29.9
20°-30°	576.1	34.7
30°-40°	362.8	21.8
40°-50°	54.5	3.3
50°-60°	0.3	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°	1243.5	74.9
0°-40°	1606.2	96.7
0°-60°	1661.0	100.0
0°-90°	1661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1661.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1874	1874	1874	1874	1874	
5°	1768	1775	1778	1782	1780	171
15°	1809	1803	1807	1819	1820	496
25°	1288	1273	1249	1254	1260	585
35°	578	579	589	578	576	360
45°	3	25	78	33	7	36
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°	1874.3	1874.3	1874.3	1874.3	1874.3
1°	1859.7	1865.0	1865.0	1866.4	1865.0
2°	1834.6	1842.5	1842.5	1846.5	1843.8
3°	1809.4	1816.0	1817.4	1822.7	1821.3
4°	1781.6	1792.2	1796.2	1798.8	1797.5
5°	1768.3	1775.0	1777.6	1781.6	1780.3
6°	1763.0	1768.3	1771.0	1775.0	1775.0
7°	1767.0	1771.0	1775.0	1777.6	1775.0
8°	1778.9	1782.9	1782.9	1788.2	1784.2
9°	1796.2	1797.5	1797.5	1804.1	1800.1
10°	1814.7	1812.1	1812.1	1821.3	1822.7
11°	1830.6	1828.0	1826.6	1835.9	1838.6
12°	1839.9	1834.6	1834.6	1846.5	1847.8
13°	1841.2	1834.6	1834.6	1846.5	1850.5
14°	1830.6	1822.7	1824.0	1837.2	1841.2
15°	1809.4	1802.8	1806.8	1818.7	1820.0
17.5°	1708.7	1704.8	1707.4	1715.4	1716.7
20°	1557.7	1555.1	1557.7	1557.7	1560.4
22.5°	1408.1	1401.4	1388.2	1396.1	1397.5
25°	1287.5	1272.9	1249.1	1254.4	1259.7
27.5°	1155.1	1136.5	1111.3	1118.0	1119.3
30°	984.2	974.9	948.4	955.0	963.0
32.5°	760.3	785.5	769.6	768.3	769.6
35°	577.5	578.9	589.4	577.5	576.2
37.5°	404.0	405.3	413.3	400.0	401.4
40°	237.1	254.3	260.9	255.6	243.7
42.5°	74.2	131.1	148.4	128.5	82.1
45°	2.6	25.2	78.2	33.1	6.6
47.5°	0.0	1.3	37.1	2.6	0.0
50°	0.0	0.0	7.9	0.0	0.0
52.5°	0.0	0.0	1.3	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)