

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: P1312716

Luminaire Tested: LDSQA3D17R309050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

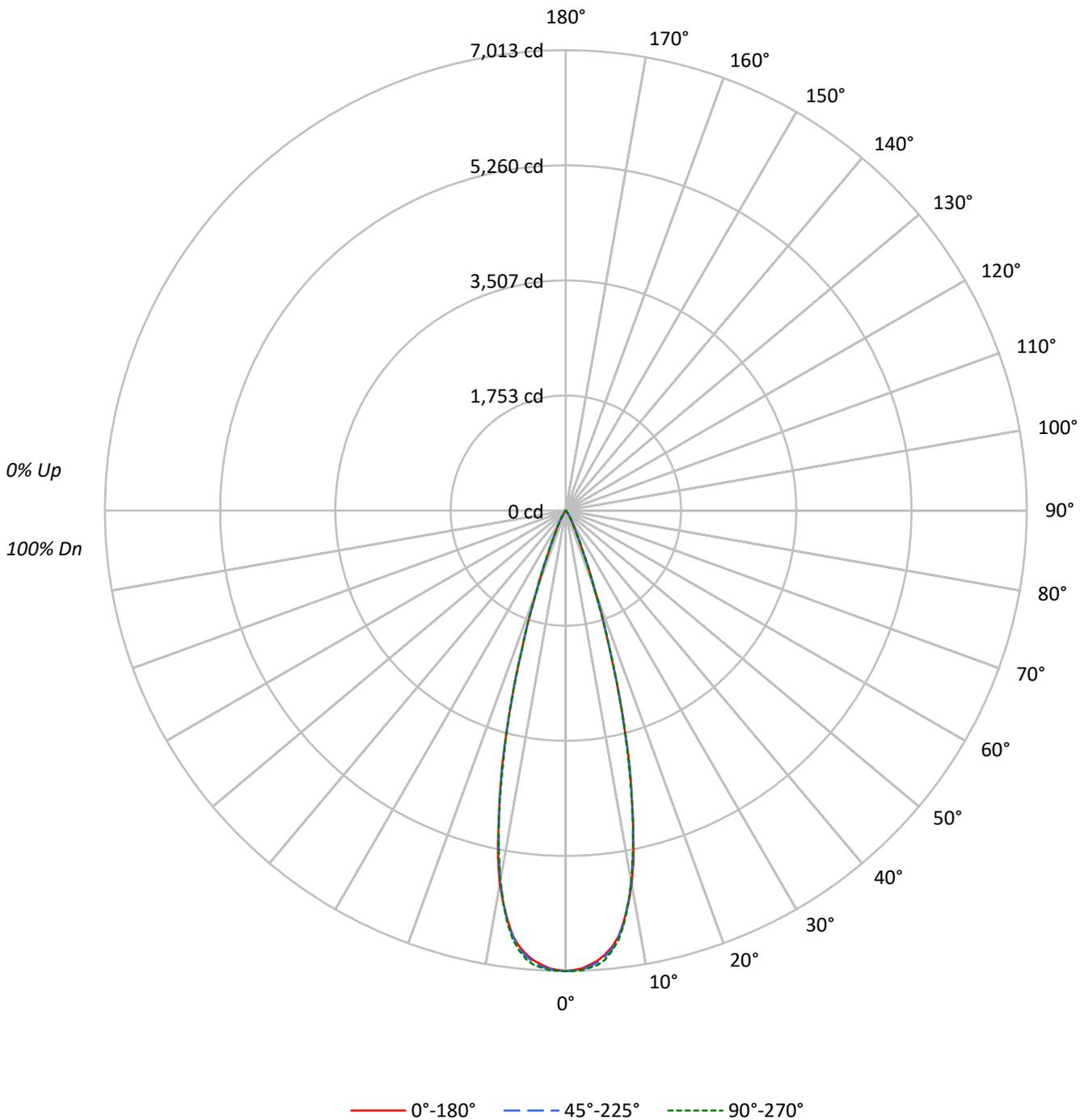
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1824.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	92	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	83	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	81	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	78	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	76	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	74	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1207849	1207849	1207849
5°	1174740	1179858	1187153
10°	1010174	1001552	1002531
15°	620709	615699	616198
20°	236242	236755	232357
25°	75137	79146	75403
30°	30228	37506	31063
35°	9755	16567	9755
40°	4429	7284	4429
45°	1705	3093	1705
50°	750	1500	750
55°	841	841	841
60°	964	964	964
65°	571	571	571
70°	705	705	705
75°	932	932	932
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3093 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.6	33.9
10°-20°	917.7	50.3
20°-30°	228.0	12.5
30°-40°	45.5	2.5
40°-50°	8.3	0.5
50°-60°	2.6	0.1
60°-70°	1.9	0.1
70°-80°	1.3	0.1
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°	1764.4	96.7
0°-40°	1809.9	99.2
0°-60°	1820.8	99.8
0°-90°	1824.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1824.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7013	7013	7013	7013	7013	
5°	6795	6818	6825	6834	6867	618
15°	3481	3488	3453	3464	3456	921
25°	395	404	416	411	397	222
35°	46	60	79	59	46	38
45°	7	8	13	10	7	6
55°	3	3	3	3	3	3
65°	1	1	1	1	1	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7013.3	7013.3	7013.3	7013.3	7013.3
1°	6997.8	7006.2	7011.8	7011.8	7011.8
2°	6978.1	6983.7	6992.1	6993.6	7004.8
3°	6931.6	6944.3	6958.4	6966.8	6972.4
4°	6875.4	6892.2	6900.7	6921.8	6940.1
5°	6795.1	6817.7	6824.7	6834.5	6866.9
6°	6686.8	6703.7	6717.8	6722.0	6741.7
7°	6543.3	6551.7	6548.9	6555.9	6591.1
8°	6325.2	6328.0	6351.9	6336.4	6360.3
9°	6066.2	6055.0	6049.4	6060.6	6062.0
10°	5776.4	5738.4	5727.1	5717.3	5732.7
11°	5400.7	5351.4	5355.6	5352.8	5330.3
12°	4933.5	4927.9	4891.3	4898.3	4932.1
13°	4456.5	4466.3	4459.3	4467.7	4429.7
14°	4009.0	3961.1	3973.8	3926.0	3944.3
15°	3481.3	3488.3	3453.2	3464.4	3456.0
17.5°	2228.9	2244.4	2233.2	2223.3	2238.8
20°	1289.0	1287.5	1291.8	1279.1	1267.8
22.5°	678.2	688.1	700.8	702.2	710.6
25°	395.4	403.9	416.5	410.9	396.8
27.5°	242.0	257.5	277.2	263.1	246.3
30°	152.0	164.6	188.6	166.0	156.2
32.5°	85.8	104.1	123.8	104.1	85.8
35°	46.4	60.5	78.8	59.1	46.4
37.5°	31.0	35.2	52.1	35.2	31.0
40°	19.7	23.9	32.4	23.9	19.7
42.5°	11.3	15.5	18.3	15.5	11.3
45°	7.0	8.4	12.7	9.9	7.0
47.5°	2.8	4.2	8.4	4.2	4.2
50°	2.8	2.8	5.6	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8
62.5°	2.8	2.8	2.8	2.8	2.8
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
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)