

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: P1307493

Luminaire Tested: LDSQA3D20R409024D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R409024D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

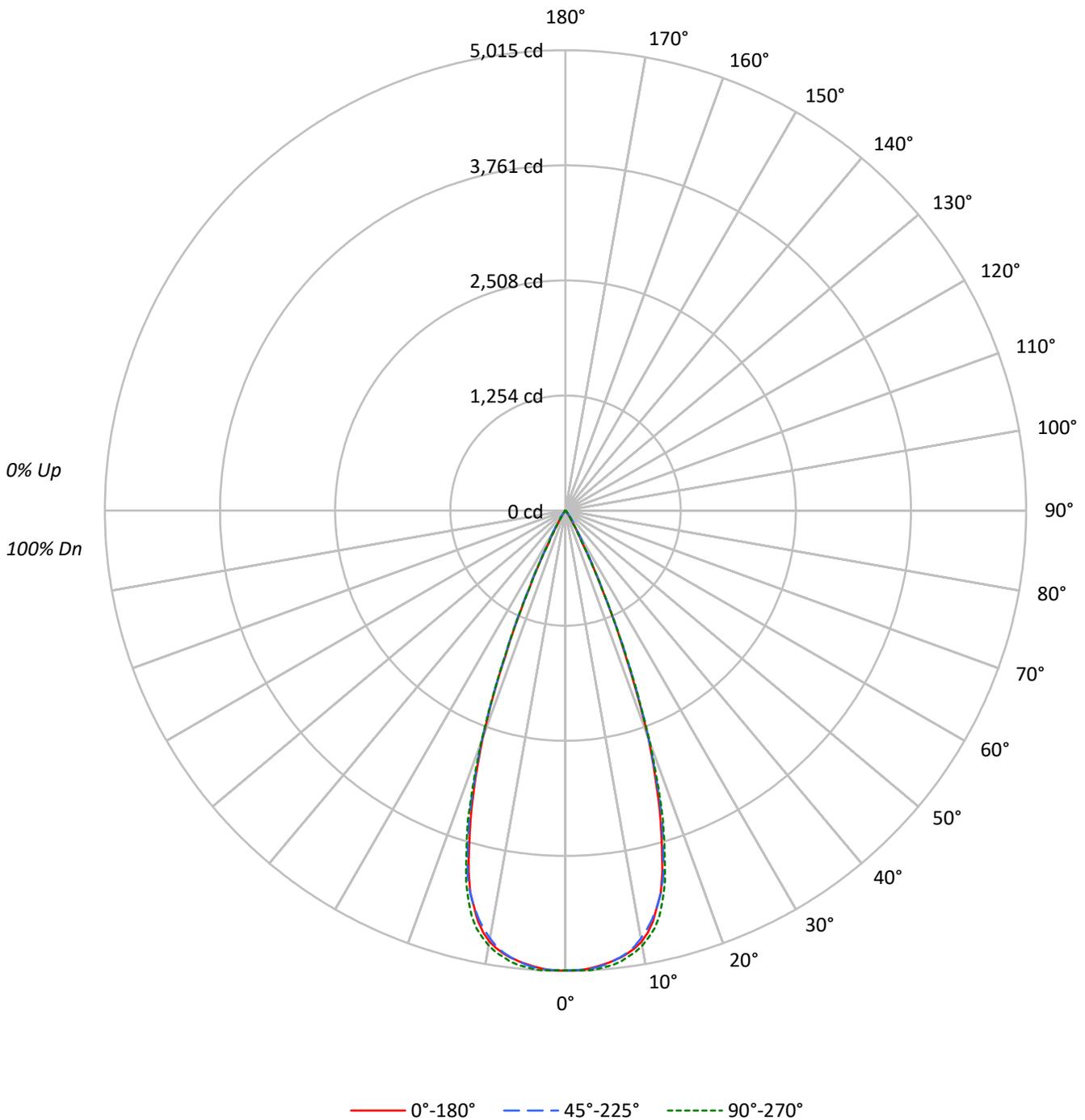
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2120.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	862680	862680	862680
5°	856951	858248	862881
10°	833755	827495	841310
15°	726457	733892	745321
20°	483884	486340	490995
25°	175927	181304	176782
30°	37347	50094	37347
35°	13161	22244	12531
40°	4699	7037	4699
45°	1096	2898	1096
50°	804	1206	804
55°	901	901	901
60°	1033	1033	1033
65°	611	1223	611
70°	755	755	755
75°	998	998	998
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2898 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.1	22.1
10°-20°	1090.8	51.5
20°-30°	490.9	23.2
30°-40°	55.9	2.6
40°-50°	8.0	0.4
50°-60°	2.7	0.1
60°-70°	2.3	0.1
70°-80°	1.4	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°	2049.7	96.7
0°-40°	2105.6	99.3
0°-60°	2116.3	99.8
0°-90°	2120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2120.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5009	5009	5009	5009	5009	
5°	4957	4951	4964	4987	4991	468
15°	4074	4085	4116	4149	4180	1082
25°	926	932	954	954	930	479
35°	63	70	106	67	60	47
45°	4	8	12	8	4	6
55°	3	3	3	3	3	3
65°	2	3	3	3	2	2
75°	2	2	2	2	2	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°	5009.1	5009.1	5009.1	5009.1	5009.1
1°	5012.1	5007.6	5006.1	5015.1	5007.6
2°	5007.6	5004.7	5006.1	5015.1	5009.1
3°	4994.2	4995.7	5000.2	5016.6	5015.1
4°	4977.8	4976.3	4985.3	5006.1	5006.1
5°	4956.9	4951.0	4964.4	4986.8	4991.2
6°	4933.1	4925.6	4936.1	4964.4	4974.8
7°	4906.3	4891.3	4900.3	4934.6	4948.0
8°	4870.5	4851.1	4861.5	4895.8	4906.3
9°	4825.8	4795.9	4804.9	4846.6	4867.5
10°	4767.6	4730.3	4731.8	4778.0	4810.8
11°	4685.6	4643.9	4645.4	4703.5	4737.8
12°	4576.8	4539.5	4547.0	4600.6	4655.8
13°	4429.2	4418.8	4427.7	4485.8	4536.5
14°	4286.1	4275.6	4292.0	4345.7	4369.6
15°	4074.4	4084.8	4116.1	4148.9	4180.2
17.5°	3403.5	3443.8	3481.0	3503.4	3530.2
20°	2640.2	2594.0	2653.6	2626.8	2679.0
22.5°	1704.0	1738.3	1753.2	1738.3	1744.2
25°	925.8	931.8	954.1	954.1	930.3
27.5°	393.6	424.9	453.2	442.8	393.6
30°	187.8	216.2	251.9	217.7	187.8
32.5°	105.8	125.2	162.5	122.2	102.9
35°	62.6	70.1	105.8	67.1	59.6
37.5°	37.3	38.8	58.1	40.3	35.8
40°	20.9	25.3	31.3	25.3	20.9
42.5°	10.4	14.9	19.4	14.9	10.4
45°	4.5	7.5	11.9	7.5	4.5
47.5°	4.5	4.5	7.5	4.5	4.5
50°	3.0	3.0	4.5	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	3.0
60°	3.0	3.0	3.0	3.0	3.0
62.5°	3.0	3.0	3.0	3.0	3.0
65°	1.5	3.0	3.0	3.0	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
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)