

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: P1320368

Luminaire Tested: LDSQA3D20R209840D010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209840D010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

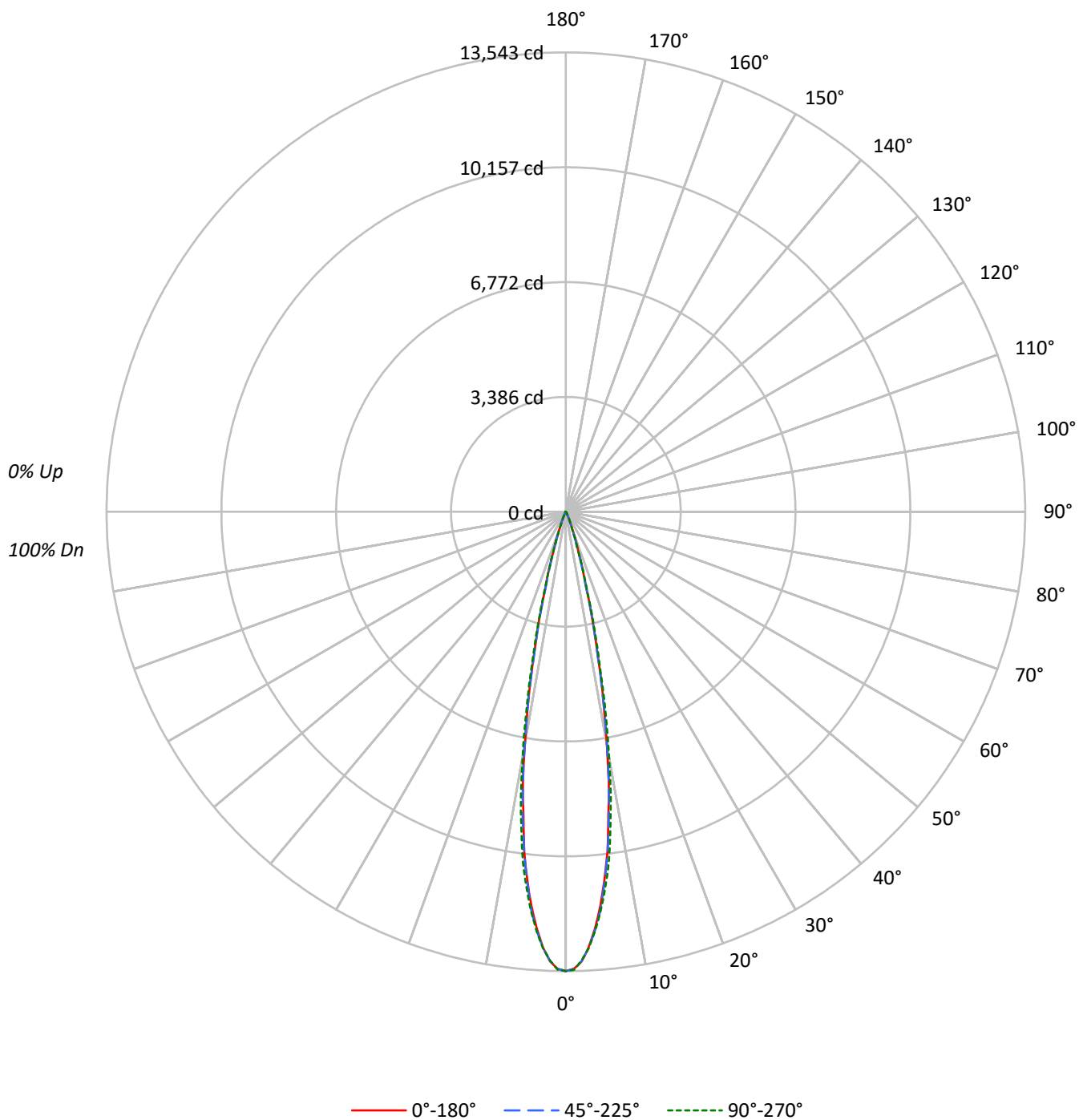
Lumens per Lamp: N/A
Luminaire Lumens: 1819.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91
9	97	92	88	86	96	91	88	86	91	88	86		90	87	86		89
10	95	90	87	85	95	90	87	85	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2332411	2332411	2332411
5°	2014922	2033697	2041269
10°	1212964	1224296	1285224
15°	419535	409711	442375
20°	110185	103661	103954
25°	24019	28941	32951
30°	10321	10321	10639
35°	5782	5109	5445
40°	2540	2923	3282
45°	779	1193	1193
50°	429	429	429
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: 22.5°

Vertical Angle: 45°

Luminance: 1193 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	968.6	53.3
10°-20°	737.5	40.5
20°-30°	91.2	5.0
30°-40°	17.3	0.9
40°-50°	4.2	0.2
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°	1797.3	98.8
0°-40°	1814.6	99.8
0°-60°	1819.0	100.0
0°-90°	1819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1819.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13543	13543	13543	13543	13543	
5°	11655	11647	11764	11756	11807	961
15°	2353	2269	2298	2436	2481	737
25°	126	144	152	159	173	87
35°	28	28	24	26	26	18
45°	3	5	5	5	5	3
55°	0	0	0	0	0	1
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13543.0	13543.0	13543.0	13543.0	13543.0
1°	13479.8	13463.6	13476.5	13449.0	13505.7
2°	13264.3	13248.0	13248.0	13231.8	13239.9
3°	12862.4	12888.3	12872.1	12838.0	12881.8
4°	12314.6	12343.8	12369.7	12371.3	12377.8
5°	11655.0	11646.9	11763.6	11755.5	11807.4
6°	10903.1	10893.4	10943.6	11027.9	11131.6
7°	10076.6	9958.3	10092.8	10263.0	10402.4
8°	9007.1	9037.8	9130.2	9331.2	9443.0
9°	8099.5	7919.7	8115.7	8355.6	8477.1
10°	6936.0	6790.1	7000.8	7253.6	7349.2
12.5°	4365.8	4239.4	4307.4	4573.2	4615.3
15°	2353.0	2268.8	2297.9	2435.7	2481.1
17.5°	1200.8	1124.7	1108.5	1196.0	1205.7
20°	601.2	583.4	565.6	573.7	567.2
22.5°	278.7	303.0	299.8	283.6	303.0
25°	126.4	144.2	152.3	158.8	173.4
27.5°	77.8	74.5	85.9	92.4	94.0
30°	51.9	50.2	51.9	53.5	53.5
32.5°	37.3	35.7	34.0	34.0	35.7
35°	27.5	27.5	24.3	25.9	25.9
37.5°	19.4	19.4	17.8	19.4	19.4
40°	11.3	13.0	13.0	13.0	14.6
42.5°	6.5	8.1	8.1	8.1	8.1
45°	3.2	4.9	4.9	4.9	4.9
47.5°	1.6	1.6	1.6	3.2	3.2
50°	1.6	1.6	1.6	1.6	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)