

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: P1320366

Luminaire Tested: LDSQA3D20R209840D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209840D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

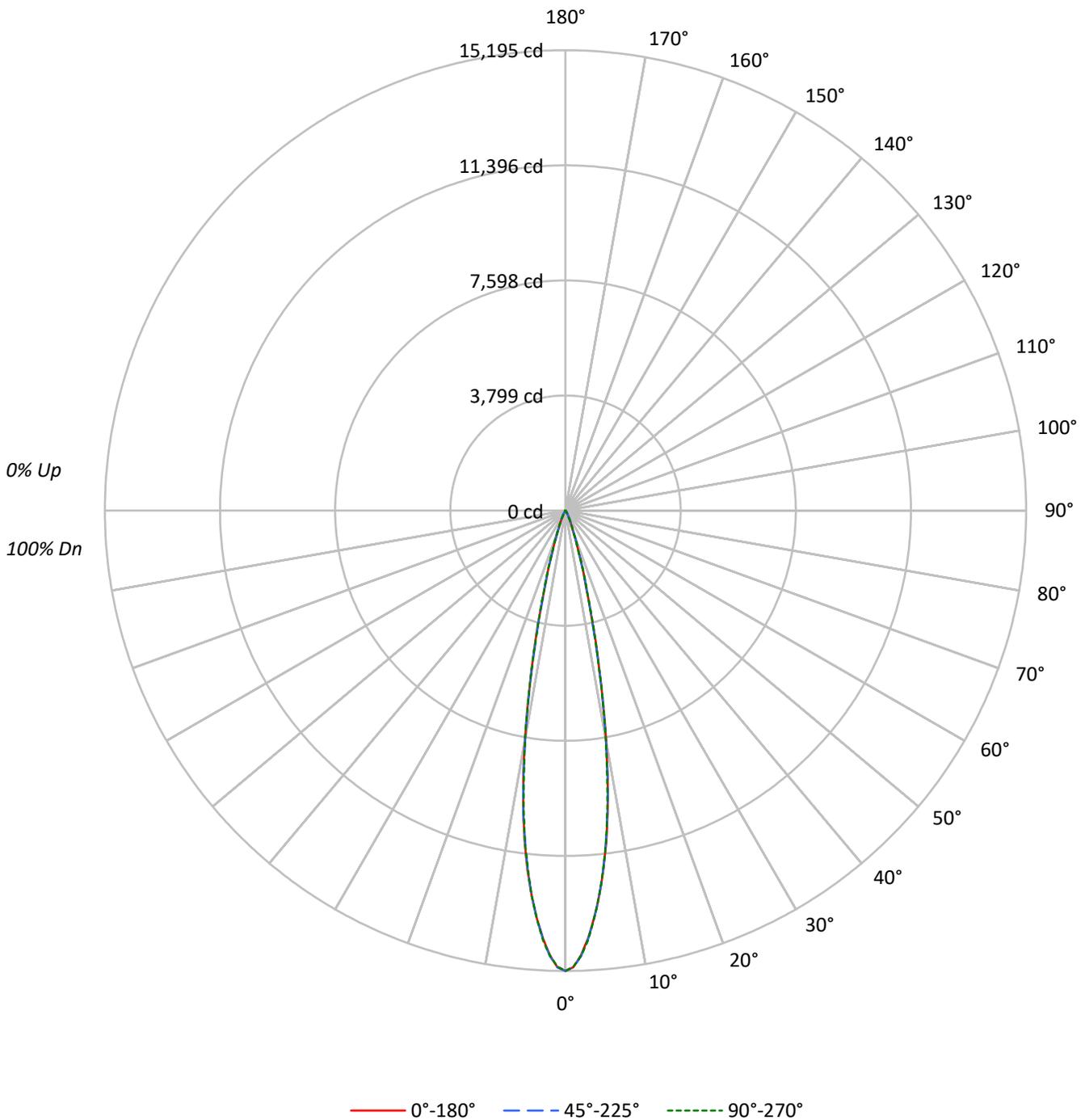
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2093.9 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 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 (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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2616975	2616975	2616975
5°	2205713	2206560	2205437
10°	1344106	1337880	1340993
15°	473453	475467	490213
20°	148765	152925	149663
25°	55716	60961	57255
30°	21577	30605	22551
35°	8179	13624	8851
40°	4362	5823	4362
45°	1583	2752	1973
50°	857	1313	857
55°	961	961	961
60°	551	551	551
65°	652	652	652
70°	806	806	806
75°	0	0	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2752 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1054.8	50.4
10°-20°	827.1	39.5
20°-30°	162.4	7.8
30°-40°	36.4	1.7
40°-50°	8.3	0.4
50°-60°	2.6	0.1
60°-70°	1.6	0.1
70°-80°	0.7	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°	2044.3	97.6
0°-40°	2080.8	99.4
0°-60°	2091.7	99.9
0°-90°	2093.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2093.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15195	15195	15195	15195	15195	
5°	12759	12770	12764	12807	12757	1057
15°	2655	2667	2667	2725	2749	825
25°	293	313	321	316	301	155
35°	39	47	65	47	42	29
45°	6	10	11	10	8	6
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	0	0	0	0	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°	15195.3	15195.3	15195.3	15195.3	15195.3
1°	15072.2	15039.8	15077.0	15047.9	15054.3
2°	14681.7	14663.9	14712.5	14681.7	14697.9
3°	14139.0	14116.3	14151.9	14153.5	14198.9
4°	13490.9	13447.2	13500.6	13502.2	13510.3
5°	12758.6	12769.9	12763.5	12807.2	12757.0
6°	11935.6	11972.8	11924.2	11948.5	11878.9
7°	11015.3	10968.3	10944.0	10952.1	11000.7
8°	9999.5	9967.1	10002.7	9952.5	9918.5
9°	8870.3	8813.6	8852.4	8803.8	8755.2
10°	7685.9	7660.0	7650.3	7595.2	7668.1
11°	6498.4	6420.6	6459.5	6432.0	6511.3
12°	5387.0	5393.4	5317.3	5341.6	5351.3
13°	4384.1	4280.4	4293.4	4359.8	4371.1
14°	3400.7	3415.3	3420.1	3467.1	3494.6
15°	2655.4	2666.7	2666.7	2725.1	2749.4
17.5°	1424.1	1424.1	1454.9	1461.4	1464.6
20°	811.7	816.6	834.4	832.8	816.6
22.5°	486.0	495.8	505.5	495.8	486.0
25°	293.2	312.7	320.8	315.9	301.3
27.5°	175.0	196.0	218.7	200.9	173.4
30°	108.5	119.9	153.9	123.1	113.4
32.5°	59.9	77.8	105.3	81.0	61.6
35°	38.9	47.0	64.8	47.0	42.1
37.5°	27.5	32.4	40.5	34.0	29.2
40°	19.4	22.7	25.9	24.3	19.4
42.5°	13.0	16.2	17.8	16.2	13.0
45°	6.5	9.7	11.3	9.7	8.1
47.5°	3.2	4.9	8.1	4.9	3.2
50°	3.2	3.2	4.9	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	1.6	3.2	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	1.6
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)