

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: P1319490

Luminaire Tested: LDSQA3D20R209835D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319490
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: LDSQA3D20R209835D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

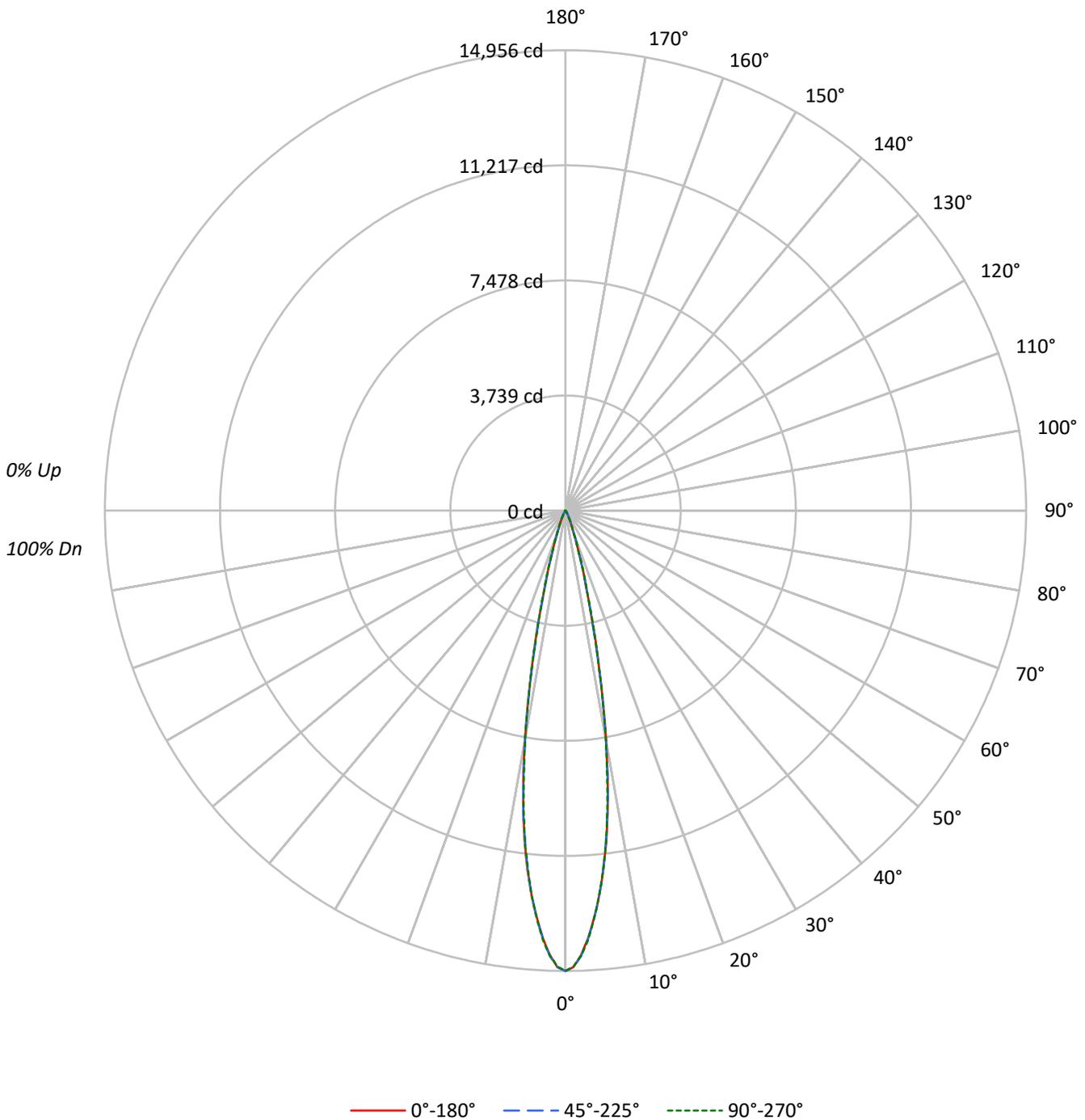
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2061.0 lumens
Efficiency: N/A
Efficacy: 75.2 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	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	99	98	97	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	91	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°	2575727	2575727	2575727
5°	2170947	2171777	2170670
10°	1322928	1316790	1319868
15°	466000	467979	482474
20°	146419	150506	147299
25°	54842	59991	56362
30°	21239	30128	22193
35°	8052	13414	8725
40°	4294	5733	4294
45°	1559	2728	1948
50°	857	1286	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: 2728 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1038.2	50.4
10°-20°	814.1	39.5
20°-30°	159.8	7.8
30°-40°	35.9	1.7
40°-50°	8.2	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°	2012.1	97.6
0°-40°	2048.0	99.4
0°-60°	2058.7	99.9
0°-90°	2061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2061.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14956	14956	14956	14956	14956	
5°	12558	12569	12562	12605	12556	1040
15°	2614	2625	2625	2682	2706	812
25°	289	308	316	311	297	152
35°	38	46	64	46	42	28
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°	14955.8	14955.8	14955.8	14955.8	14955.8
1°	14834.6	14802.7	14839.4	14810.7	14817.1
2°	14450.3	14432.8	14480.6	14450.3	14466.3
3°	13916.1	13893.8	13928.9	13930.5	13975.1
4°	13278.3	13235.2	13287.9	13289.5	13297.4
5°	12557.5	12568.7	12562.3	12605.4	12555.9
6°	11747.5	11784.1	11736.3	11760.2	11691.7
7°	10841.7	10795.5	10771.6	10779.5	10827.4
8°	9841.9	9810.0	9845.1	9795.7	9762.2
9°	8730.5	8674.7	8712.9	8665.1	8617.3
10°	7564.8	7539.3	7529.7	7475.5	7547.3
11°	6396.0	6319.4	6357.7	6330.6	6408.7
12°	5302.1	5308.4	5233.5	5257.4	5267.0
13°	4315.0	4213.0	4225.7	4291.1	4302.2
14°	3347.1	3361.4	3366.2	3412.5	3439.6
15°	2613.6	2624.7	2624.7	2682.1	2706.0
17.5°	1401.7	1401.7	1432.0	1438.3	1441.5
20°	798.9	803.7	821.2	819.6	803.7
22.5°	478.4	487.9	497.5	487.9	478.4
25°	288.6	307.8	315.7	310.9	296.6
27.5°	172.2	192.9	215.3	197.7	170.6
30°	106.8	118.0	151.5	121.2	111.6
32.5°	59.0	76.5	103.6	79.7	60.6
35°	38.3	46.2	63.8	46.2	41.5
37.5°	27.1	31.9	39.9	33.5	28.7
40°	19.1	22.3	25.5	23.9	19.1
42.5°	12.8	15.9	17.5	15.9	12.8
45°	6.4	9.6	11.2	9.6	8.0
47.5°	3.2	4.8	8.0	4.8	3.2
50°	3.2	3.2	4.8	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)