

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: P1319576

Luminaire Tested: LDSQA3D20R509835D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319576
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R509835D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

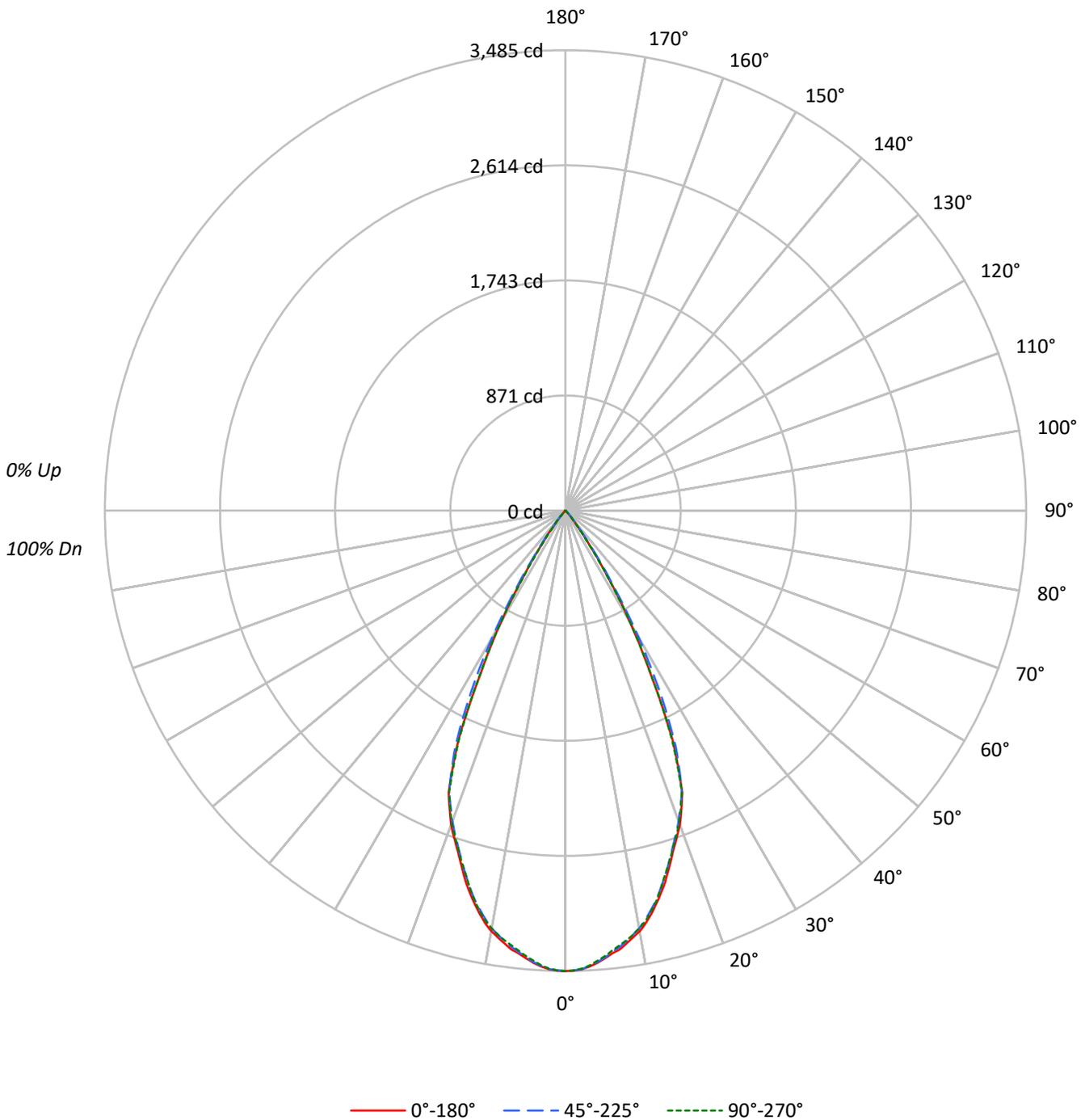
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2246.0 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	600230	600230	600230
5°	588468	587362	585702
10°	565438	561538	561800
15°	519061	514229	513659
20°	463724	458757	461085
25°	364471	375075	361431
30°	194988	218454	195624
35°	63683	74406	60004
40°	15760	19717	15063
45°	1948	6990	1948
50°	1286	2143	1286
55°	1441	1441	1441
60°	1102	1102	1102
65°	1304	1304	1304
70°	806	806	806
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6990 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.7	14.2
10°-20°	806.0	35.9
20°-30°	847.7	37.7
30°-40°	244.3	10.9
40°-50°	19.8	0.9
50°-60°	4.3	0.2
60°-70°	3.1	0.1
70°-80°	1.7	0.1
80°-90°	0.4	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°	1972.4	87.8
0°-40°	2216.7	98.7
0°-60°	2240.8	99.8
0°-90°	2246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2246.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3485	3485	3485	3485	3485	
5°	3404	3402	3398	3401	3388	320
15°	2911	2892	2884	2884	2881	811
25°	1918	1966	1974	1951	1902	831
35°	303	314	354	303	285	234
45°	8	16	29	16	8	15
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	3485.2	3485.2	3485.2	3485.2	3485.2
1°	3483.6	3486.8	3480.4	3491.6	3482.0
2°	3475.6	3477.2	3474.0	3482.0	3469.2
3°	3456.5	3459.7	3453.3	3459.7	3448.5
4°	3434.2	3434.2	3427.8	3432.6	3418.2
5°	3403.9	3402.3	3397.5	3400.7	3387.9
6°	3372.0	3370.4	3362.4	3362.4	3352.8
7°	3348.1	3336.9	3330.5	3328.9	3319.4
8°	3309.8	3306.6	3293.9	3293.9	3287.5
9°	3271.5	3268.3	3254.0	3257.2	3252.4
10°	3233.3	3222.1	3211.0	3212.5	3212.5
11°	3182.3	3172.7	3156.7	3163.1	3166.3
12°	3121.7	3110.5	3096.2	3108.9	3107.3
13°	3054.7	3045.1	3034.0	3043.6	3040.4
14°	2984.6	2970.2	2960.6	2967.0	2963.8
15°	2911.2	2892.1	2884.1	2884.1	2880.9
17.5°	2705.6	2694.4	2686.4	2681.6	2692.8
20°	2530.2	2520.6	2503.1	2507.9	2515.8
22.5°	2310.2	2308.6	2299.0	2291.0	2300.6
25°	1918.0	1965.8	1973.8	1951.4	1902.0
27.5°	1393.4	1505.0	1544.9	1492.3	1401.4
30°	980.5	1033.1	1098.5	994.9	983.7
32.5°	591.5	605.8	666.4	594.7	578.7
35°	302.9	314.1	353.9	302.9	285.4
37.5°	141.9	148.3	164.2	141.9	132.3
40°	70.1	78.1	87.7	73.3	67.0
42.5°	30.3	39.9	51.0	38.3	27.1
45°	8.0	15.9	28.7	15.9	8.0
47.5°	4.8	6.4	15.9	6.4	4.8
50°	4.8	4.8	8.0	4.8	4.8
52.5°	4.8	4.8	4.8	4.8	4.8
55°	4.8	4.8	4.8	4.8	4.8
57.5°	4.8	4.8	4.8	4.8	4.8
60°	3.2	4.8	3.2	4.8	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	1.6	0.0	1.6	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)