

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: P1309610

Luminaire Tested: LDSQA3D20R559030D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R559030D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

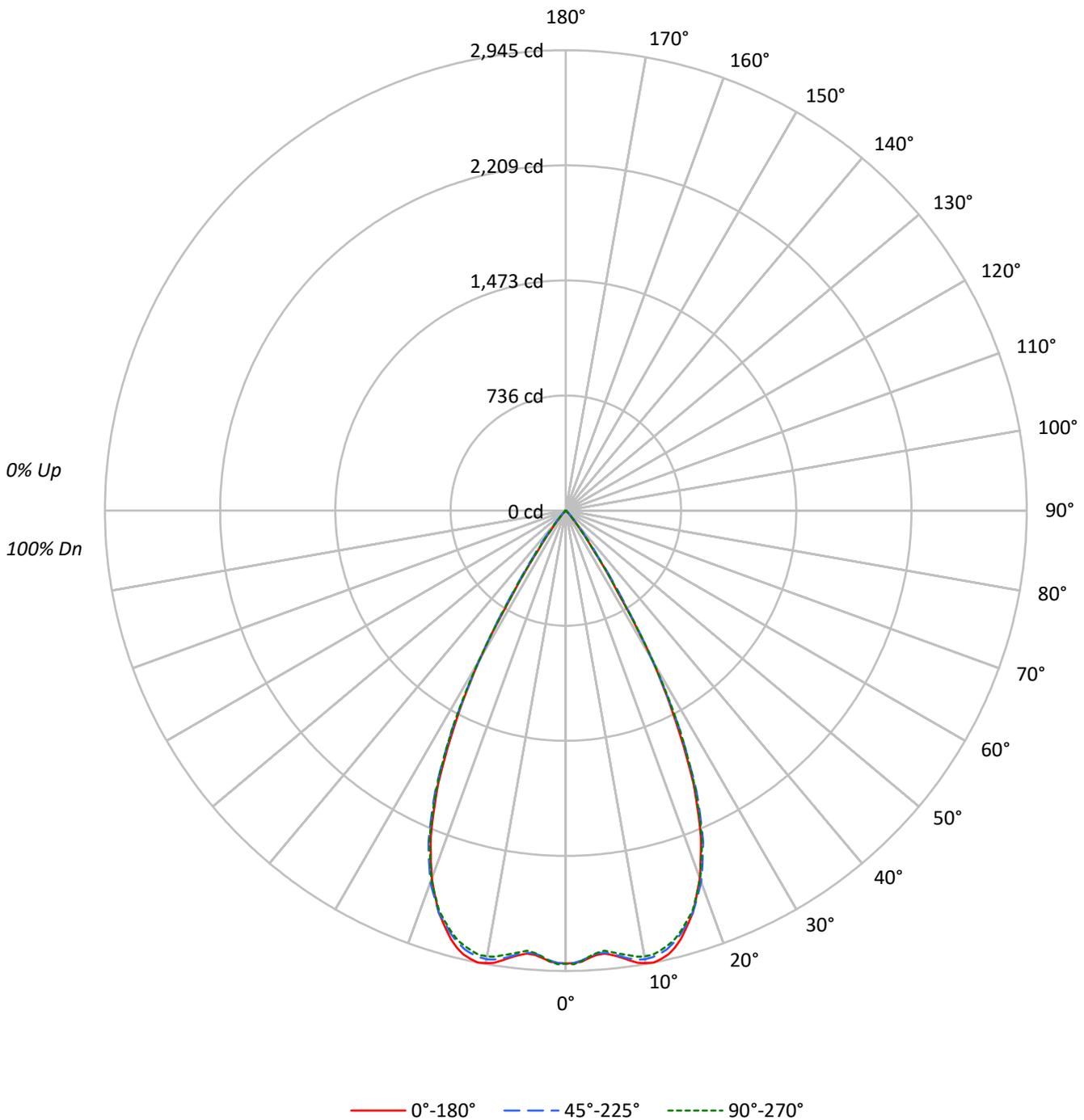
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2222.1 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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	114	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	499015	499015	499015
5°	491880	490998	488664
10°	514111	509669	506433
15°	506081	501570	499448
20°	458904	463540	460131
25°	366960	374676	371141
30°	220065	220065	222769
35°	63578	75310	65723
40°	18233	24685	18233
45°	4116	9474	4116
50°	1822	3162	1366
55°	1531	1531	1531
60°	1757	1757	1757
65°	1386	1386	1386
70°	1712	1712	1712
75°	1131	1131	1131
80°	1686	1686	1686
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 9474 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.7	12.4
10°-20°	783.1	35.2
20°-30°	862.7	38.8
30°-40°	263.9	11.9
40°-50°	26.1	1.2
50°-60°	4.9	0.2
60°-70°	3.9	0.2
70°-80°	2.1	0.1
80°-90°	0.7	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°	1920.5	86.4
0°-40°	2184.4	98.3
0°-60°	2215.4	99.7
0°-90°	2222.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2222.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2898	2898	2898	2898	2898	
5°	2845	2845	2840	2832	2827	276
15°	2838	2833	2813	2801	2801	787
25°	1931	1950	1972	1990	1953	851
35°	302	318	358	330	313	248
45°	17	25	39	25	17	20
55°	5	5	5	5	5	5
65°	3	3	3	3	3	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2897.5	2897.5	2897.5	2897.5	2897.5
1°	2894.2	2895.9	2894.2	2890.8	2902.6
2°	2887.4	2885.7	2880.6	2879.0	2884.0
3°	2865.4	2865.4	2858.7	2855.3	2857.0
4°	2848.5	2848.5	2838.4	2835.0	2836.7
5°	2845.2	2845.2	2840.1	2831.7	2826.6
6°	2858.7	2862.1	2850.2	2841.8	2841.8
7°	2879.0	2880.6	2872.2	2860.4	2857.0
8°	2904.3	2906.0	2892.5	2879.0	2872.2
9°	2929.6	2926.3	2907.7	2894.2	2889.1
10°	2939.8	2938.1	2914.4	2900.9	2895.9
11°	2944.9	2936.4	2909.4	2897.5	2895.9
12°	2933.0	2926.3	2897.5	2885.7	2880.6
13°	2912.8	2902.6	2879.0	2867.1	2860.4
14°	2880.6	2870.5	2848.5	2835.0	2836.7
15°	2838.4	2833.3	2813.1	2801.2	2801.2
17.5°	2698.2	2701.6	2696.5	2691.4	2688.0
20°	2503.9	2517.4	2529.2	2522.5	2510.6
22.5°	2255.5	2279.2	2292.7	2296.1	2274.1
25°	1931.1	1949.7	1971.7	1990.3	1953.1
27.5°	1527.3	1544.2	1564.5	1576.3	1571.3
30°	1106.6	1108.3	1106.6	1128.6	1120.2
32.5°	615.0	665.7	674.1	689.3	635.3
35°	302.4	317.6	358.2	329.5	312.6
37.5°	145.3	155.4	194.3	158.8	152.1
40°	81.1	87.9	109.8	91.2	81.1
42.5°	38.9	50.7	59.1	52.4	38.9
45°	16.9	25.3	38.9	25.3	16.9
47.5°	6.8	10.1	23.7	10.1	6.8
50°	6.8	5.1	11.8	5.1	5.1
52.5°	5.1	5.1	6.8	5.1	5.1
55°	5.1	5.1	5.1	5.1	5.1
57.5°	5.1	5.1	5.1	5.1	5.1
60°	5.1	5.1	5.1	5.1	5.1
62.5°	3.4	5.1	5.1	5.1	3.4
65°	3.4	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4	3.4
70°	3.4	3.4	3.4	3.4	3.4
72.5°	1.7	3.4	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7
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)