

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: P1320461

Luminaire Tested: LDSQA3D20R559840D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320461
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: LDSQA3D20R559840D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

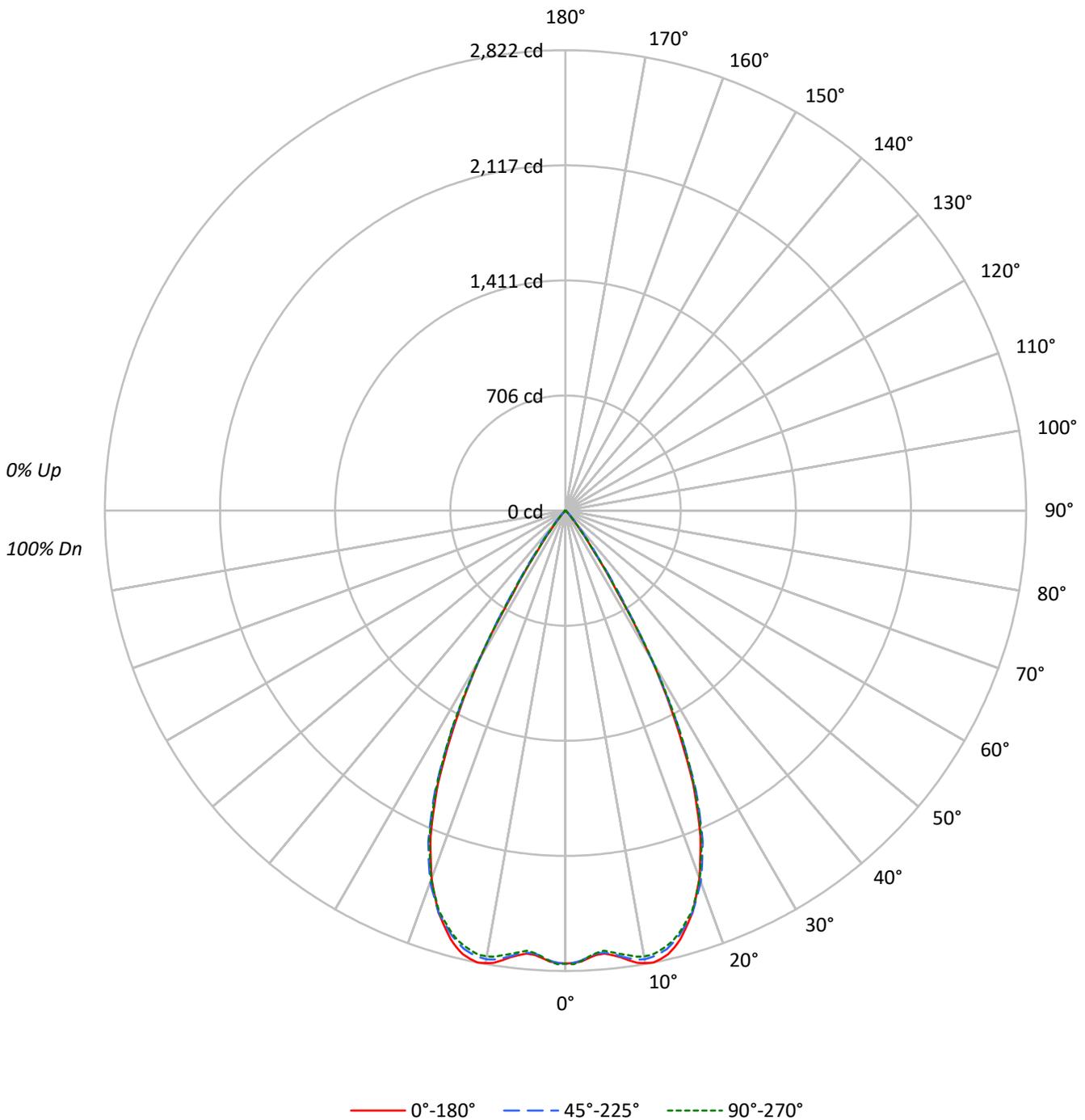
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2129.0 lumens
Efficiency: N/A
Efficacy: 77.7 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): 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				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°	478142	478142	478142
5°	471290	470442	468212
10°	492583	488351	485238
15°	484899	480567	478552
20°	439696	444150	440888
25°	351606	358998	355616
30°	210857	210857	213442
35°	60929	72156	62968
40°	17469	23651	17469
45°	3946	9060	3946
50°	1742	3028	1313
55°	1471	1471	1471
60°	1688	1688	1688
65°	1304	1304	1304
70°	1611	1611	1611
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 9060 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.2	12.4
10°-20°	750.3	35.2
20°-30°	826.6	38.8
30°-40°	252.8	11.9
40°-50°	25.0	1.2
50°-60°	4.7	0.2
60°-70°	3.7	0.2
70°-80°	2.0	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°	1840.1	86.4
0°-40°	2093.0	98.3
0°-60°	2122.7	99.7
0°-90°	2129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2776	2776	2776	2776	2776	
5°	2726	2726	2721	2713	2708	264
15°	2720	2715	2695	2684	2684	754
25°	1850	1868	1889	1907	1871	815
35°	290	304	343	316	300	238
45°	16	24	37	24	16	19
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
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°	2776.3	2776.3	2776.3	2776.3	2776.3
1°	2773.0	2774.7	2773.0	2769.8	2781.1
2°	2766.6	2764.9	2760.1	2758.5	2763.3
3°	2745.5	2745.5	2739.0	2735.8	2737.4
4°	2729.3	2729.3	2719.6	2716.4	2718.0
5°	2726.1	2726.1	2721.2	2713.1	2708.3
6°	2739.0	2742.3	2730.9	2722.8	2722.8
7°	2758.5	2760.1	2752.0	2740.7	2737.4
8°	2782.7	2784.4	2771.4	2758.5	2752.0
9°	2807.0	2803.8	2786.0	2773.0	2768.2
10°	2816.7	2815.1	2792.5	2779.5	2774.7
11°	2821.6	2813.5	2787.6	2776.3	2774.7
12°	2810.3	2803.8	2776.3	2764.9	2760.1
13°	2790.8	2781.1	2758.5	2747.1	2740.7
14°	2760.1	2750.4	2729.3	2716.4	2718.0
15°	2719.6	2714.8	2695.3	2684.0	2684.0
17.5°	2585.2	2588.5	2583.6	2578.8	2575.5
20°	2399.1	2412.0	2423.4	2416.9	2405.6
22.5°	2161.1	2183.8	2196.7	2200.0	2178.9
25°	1850.3	1868.1	1889.2	1907.0	1871.4
27.5°	1463.4	1479.6	1499.0	1510.4	1505.5
30°	1060.3	1061.9	1060.3	1081.4	1073.3
32.5°	589.2	637.8	645.9	660.5	608.7
35°	289.8	304.3	343.2	315.7	299.5
37.5°	139.2	148.9	186.2	152.2	145.7
40°	77.7	84.2	105.2	87.4	77.7
42.5°	37.2	48.6	56.7	50.2	37.2
45°	16.2	24.3	37.2	24.3	16.2
47.5°	6.5	9.7	22.7	9.7	6.5
50°	6.5	4.9	11.3	4.9	4.9
52.5°	4.9	4.9	6.5	4.9	4.9
55°	4.9	4.9	4.9	4.9	4.9
57.5°	4.9	4.9	4.9	4.9	4.9
60°	4.9	4.9	4.9	4.9	4.9
62.5°	3.2	4.9	4.9	4.9	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°	3.2	3.2	3.2	3.2	3.2
72.5°	1.6	3.2	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°	1.6	1.6	1.6	1.6	1.6
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)