

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: P1311123

Luminaire Tested: LDSQA3D05R209040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311123
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: LDSQA3D05R209040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

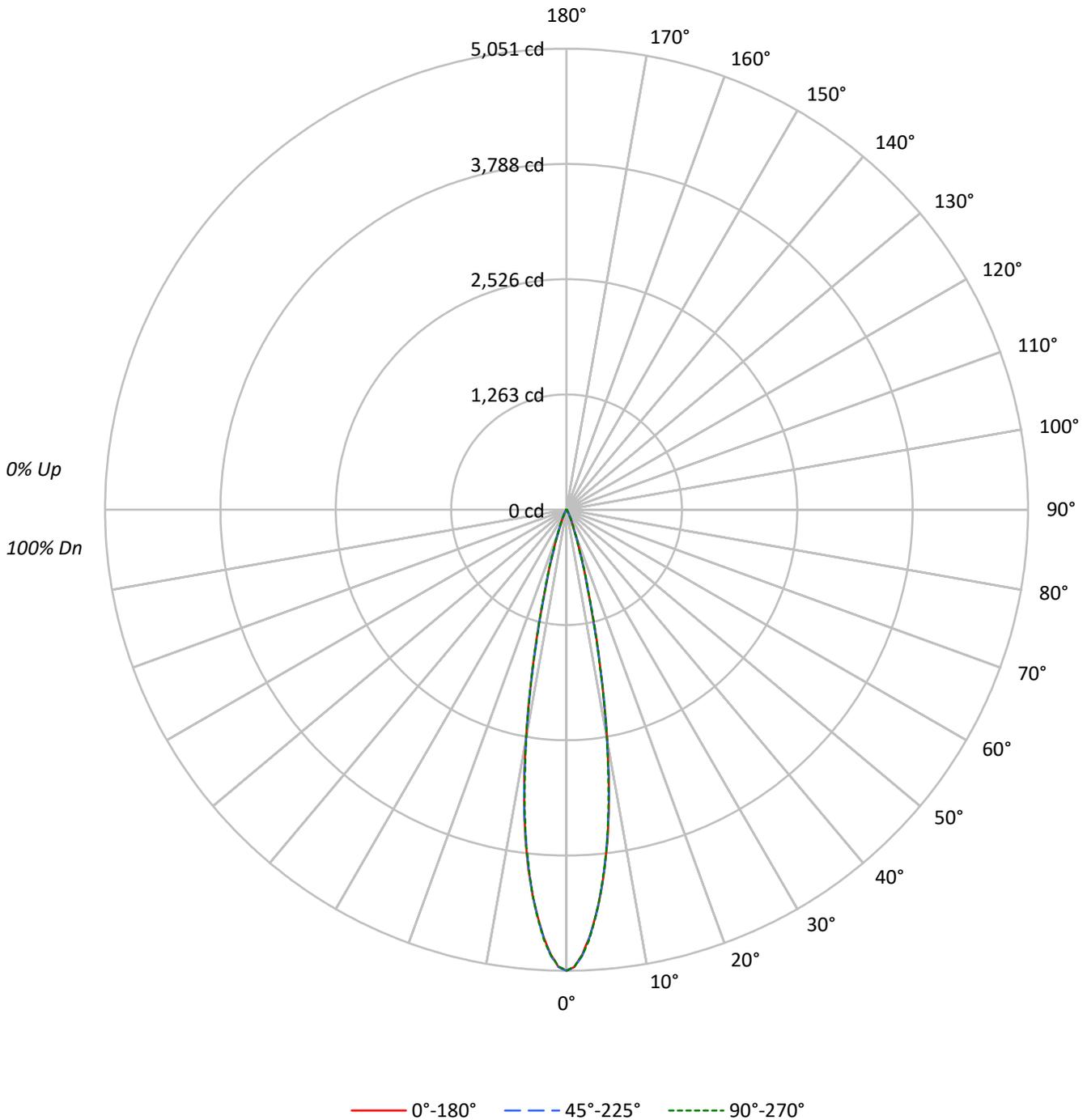
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 696.0 lumens
Efficiency: N/A
Efficacy: 96.7 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): 7.2
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	869828	869828	869828
5°	733134	733411	733031
10°	446747	444683	445715
15°	157366	158043	162929
20°	49448	50822	49741
25°	18528	20257	19041
30°	7179	10182	7497
35°	2712	4520	2943
40°	1461	1933	1461
45°	536	926	658
50°	295	429	295
55°	330	330	330
60°	172	172	172
65°	204	204	204
70°	252	252	252
75°	0	0	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 926 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.6	50.4
10°-20°	274.9	39.5
20°-30°	54.0	7.8
30°-40°	12.1	1.7
40°-50°	2.8	0.4
50°-60°	0.9	0.1
60°-70°	0.5	0.1
70°-80°	0.2	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°	679.5	97.6
0°-40°	691.6	99.4
0°-60°	695.2	99.9
0°-90°	696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5051	5051	5051	5051	5051	
5°	4241	4244	4242	4257	4240	351
15°	883	886	886	906	914	274
25°	98	104	107	105	100	51
35°	13	16	22	16	14	10
45°	2	3	4	3	3	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5050.6	5050.6	5050.6	5050.6	5050.6
1°	5009.7	4998.9	5011.3	5001.6	5003.7
2°	4879.9	4874.0	4890.1	4879.9	4885.3
3°	4699.5	4691.9	4703.8	4704.3	4719.4
4°	4484.1	4469.5	4487.3	4487.9	4490.5
5°	4240.7	4244.4	4242.3	4256.8	4240.1
6°	3967.1	3979.5	3963.4	3971.4	3948.3
7°	3661.3	3645.6	3637.6	3640.3	3656.4
8°	3323.6	3312.8	3324.7	3308.0	3296.7
9°	2948.3	2929.4	2942.4	2926.2	2910.0
10°	2554.6	2546.0	2542.8	2524.5	2548.7
11°	2159.9	2134.1	2147.0	2137.8	2164.2
12°	1790.5	1792.7	1767.4	1775.4	1778.7
13°	1457.2	1422.7	1427.0	1449.1	1452.9
14°	1130.3	1135.2	1136.8	1152.4	1161.5
15°	882.6	886.4	886.4	905.8	913.8
17.5°	473.3	473.3	483.6	485.7	486.8
20°	269.8	271.4	277.3	276.8	271.4
22.5°	161.5	164.8	168.0	164.8	161.5
25°	97.5	103.9	106.6	105.0	100.2
27.5°	58.2	65.2	72.7	66.8	57.6
30°	36.1	39.8	51.2	40.9	37.7
32.5°	19.9	25.8	35.0	26.9	20.5
35°	12.9	15.6	21.5	15.6	14.0
37.5°	9.2	10.8	13.5	11.3	9.7
40°	6.5	7.5	8.6	8.1	6.5
42.5°	4.3	5.4	5.9	5.4	4.3
45°	2.2	3.2	3.8	3.2	2.7
47.5°	1.1	1.6	2.7	1.6	1.1
50°	1.1	1.1	1.6	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	0.5	1.1	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.5
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)