

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: P1311218

Luminaire Tested: LDSQA3D05R559040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311218
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: LDSQA3D05R559040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

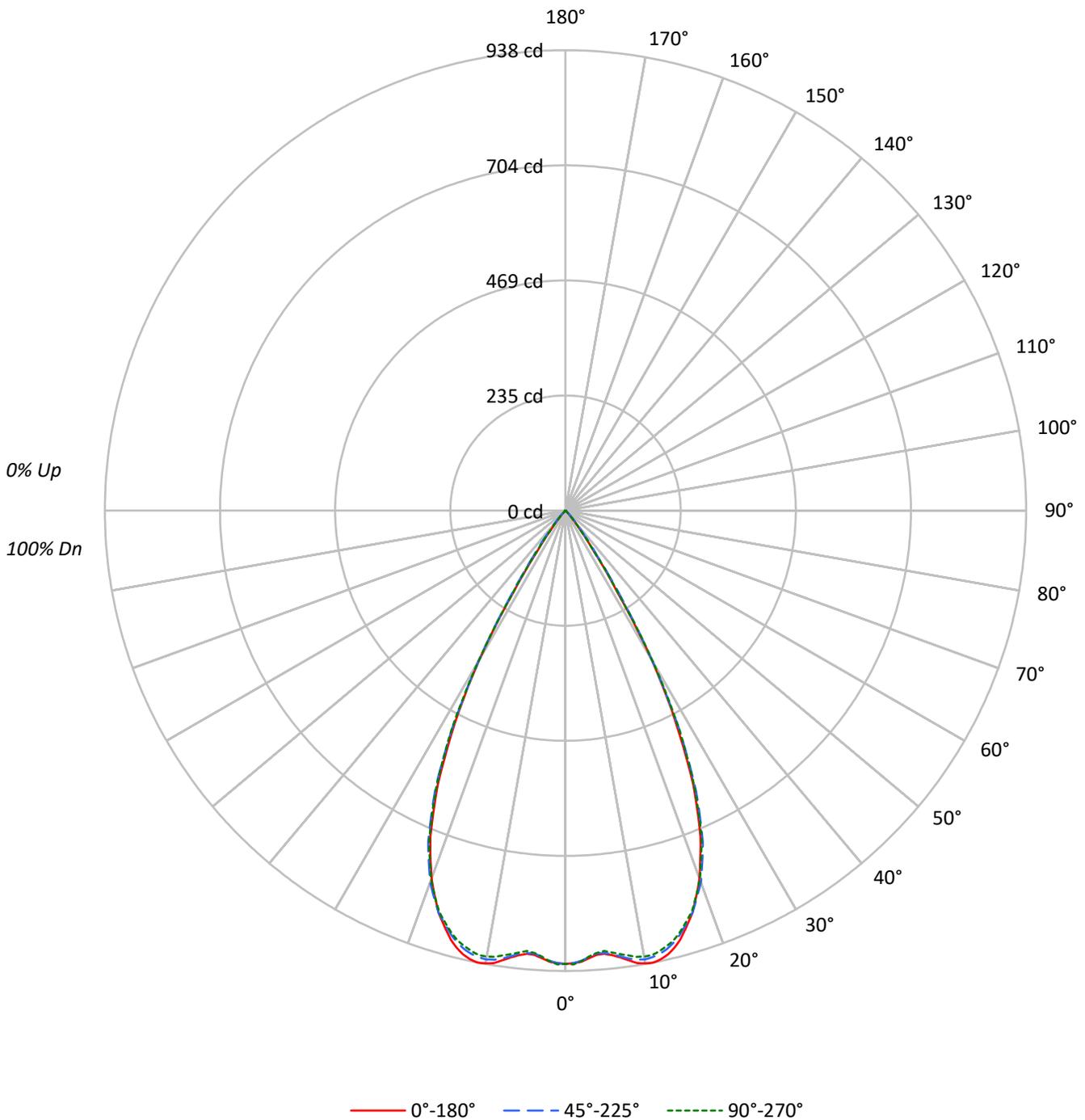
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 708.0 lumens
Efficiency: N/A
Efficacy: 98.3 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): 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				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°	159013	159013	159013
5°	156733	156440	155696
10°	163810	162393	161361
15°	161253	159808	159149
20°	146217	147702	146620
25°	116923	119375	118254
30°	70120	70120	70975
35°	20268	23989	20940
40°	5800	7869	5800
45°	1315	3020	1315
50°	589	1018	429
55°	480	480	480
60°	551	551	551
65°	448	448	448
70°	554	554	554
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3020 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	12.4
10°-20°	249.5	35.2
20°-30°	274.9	38.8
30°-40°	84.1	11.9
40°-50°	8.3	1.2
50°-60°	1.5	0.2
60°-70°	1.2	0.2
70°-80°	0.6	0.1
80°-90°	0.2	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°	611.9	86.4
0°-40°	696.0	98.3
0°-60°	705.9	99.7
0°-90°	708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	923	923	923	923	923	
5°	907	907	905	902	901	88
15°	904	903	896	893	893	251
25°	615	621	628	634	622	271
35°	96	101	114	105	100	79
45°	5	8	12	8	5	6
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	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°	923.3	923.3	923.3	923.3	923.3
1°	922.2	922.7	922.2	921.1	924.9
2°	920.0	919.5	917.9	917.3	918.9
3°	913.0	913.0	910.9	909.8	910.3
4°	907.6	907.6	904.4	903.3	903.9
5°	906.6	906.6	904.9	902.3	900.6
6°	910.9	911.9	908.2	905.5	905.5
7°	917.3	917.9	915.2	911.4	910.3
8°	925.4	925.9	921.6	917.3	915.2
9°	933.5	932.4	926.5	922.2	920.6
10°	936.7	936.2	928.6	924.3	922.7
11°	938.3	935.6	927.0	923.3	922.7
12°	934.6	932.4	923.3	919.5	917.9
13°	928.1	924.9	917.3	913.6	911.4
14°	917.9	914.6	907.6	903.3	903.9
15°	904.4	902.8	896.3	892.6	892.6
17.5°	859.7	860.8	859.2	857.6	856.5
20°	797.8	802.1	805.9	803.7	800.0
22.5°	718.7	726.2	730.5	731.6	724.6
25°	615.3	621.2	628.2	634.2	622.3
27.5°	486.7	492.0	498.5	502.3	500.7
30°	352.6	353.1	352.6	359.6	356.9
32.5°	196.0	212.1	214.8	219.6	202.4
35°	96.4	101.2	114.1	105.0	99.6
37.5°	46.3	49.5	61.9	50.6	48.5
40°	25.8	28.0	35.0	29.1	25.8
42.5°	12.4	16.2	18.8	16.7	12.4
45°	5.4	8.1	12.4	8.1	5.4
47.5°	2.2	3.2	7.5	3.2	2.2
50°	2.2	1.6	3.8	1.6	1.6
52.5°	1.6	1.6	2.2	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.1	1.6	1.6	1.6	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	0.5	1.1	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
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)