

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: P1317271

Luminaire Tested: LDSQA3D05R709827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

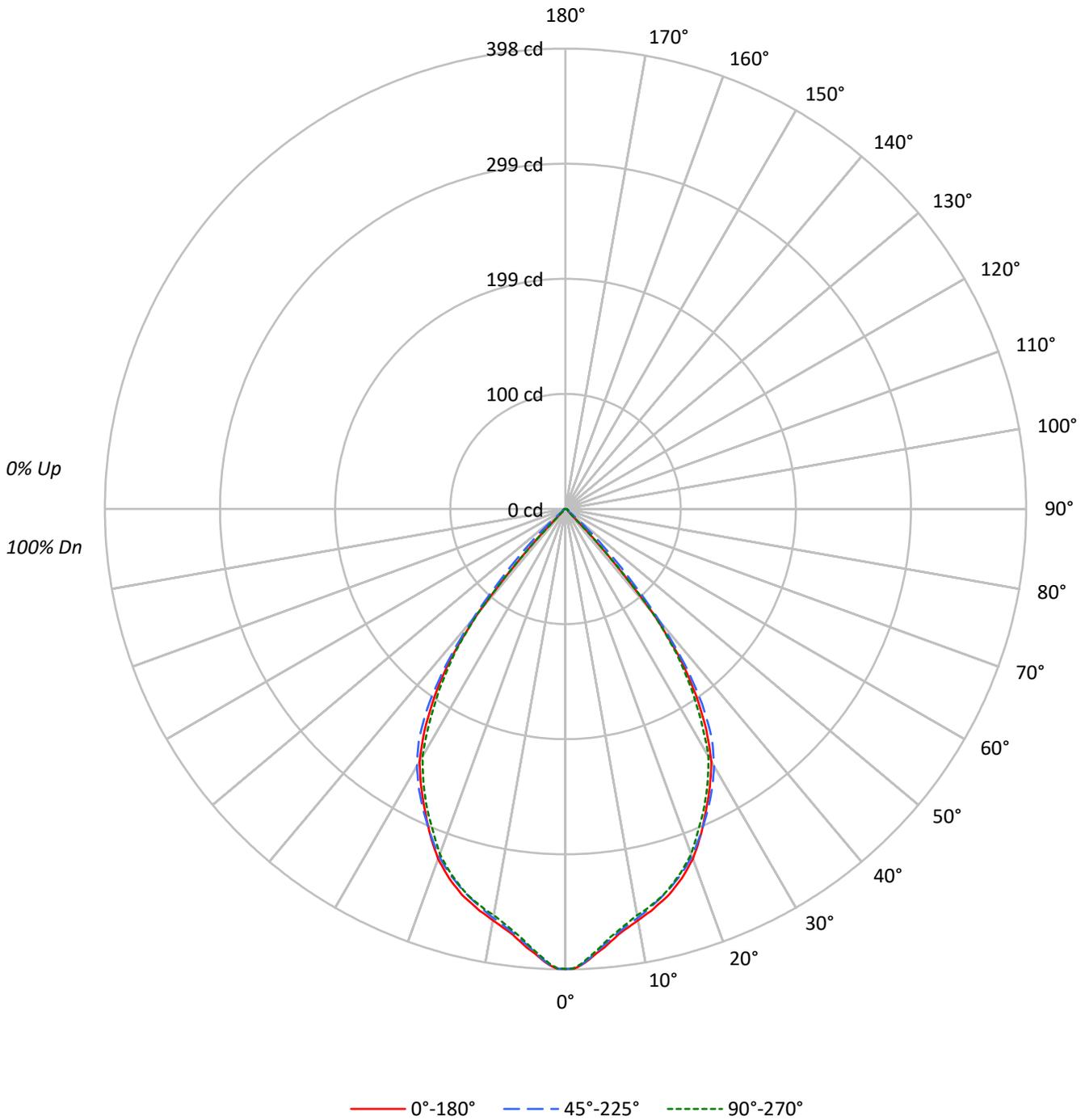
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 424.0 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
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	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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	68493	68493	68493
5°	65833	65470	65228
10°	63149	62799	62362
15°	61566	60889	60817
20°	58978	58538	58172
25°	54614	55013	53949
30°	50154	51049	49140
35°	41376	43331	39778
40°	26349	28350	26349
45°	1851	12251	2022
50°	831	2492	831
55°	931	931	931
60°	964	964	964
65°	856	978	856
70°	856	1057	856
75°	932	932	932
80°	992	992	992
85°	593	1383	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 12251 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	8.4
10°-20°	96.1	22.7
20°-30°	132.0	31.1
30°-40°	121.0	28.5
40°-50°	32.1	7.6
50°-60°	2.9	0.7
60°-70°	2.4	0.6
70°-80°	1.6	0.4
80°-90°	0.6	0.1
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°	263.6	62.2
0°-40°	384.6	90.7
0°-60°	419.5	98.9
0°-90°	424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	398	398	398	398	398	
5°	381	379	379	378	377	36
15°	345	342	342	342	341	97
25°	287	288	290	286	284	132
35°	197	200	206	197	189	119
45°	8	26	50	26	8	23
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	397.7	397.7	397.7	397.7	397.7
1°	397.7	397.0	397.7	397.7	397.0
2°	394.6	393.9	394.2	393.9	393.5
3°	390.1	389.0	389.4	388.7	388.0
4°	384.9	383.9	383.9	383.5	382.8
5°	380.8	379.0	378.7	378.0	377.3
6°	375.9	374.2	373.9	372.8	372.2
7°	371.1	369.7	369.4	368.0	368.0
8°	367.3	365.6	365.6	363.9	363.9
9°	364.2	362.2	362.2	360.8	360.1
10°	361.1	359.1	359.1	357.3	356.6
11°	358.0	356.3	355.6	354.6	354.2
12°	355.3	352.9	352.2	351.8	351.1
13°	351.8	349.4	348.7	348.4	348.0
14°	348.7	345.6	345.3	344.6	344.9
15°	345.3	342.2	341.5	341.5	341.1
17.5°	334.6	332.5	331.5	330.8	330.1
20°	321.8	320.1	319.4	318.1	317.4
22.5°	305.3	305.0	304.6	302.9	300.1
25°	287.4	288.4	289.5	286.0	283.9
27.5°	270.2	272.9	273.9	270.5	266.0
30°	252.2	254.6	256.7	251.9	247.1
32.5°	226.4	232.3	235.4	229.8	218.8
35°	196.8	199.9	206.1	196.8	189.2
37.5°	162.3	164.0	168.8	162.6	157.5
40°	117.2	122.3	126.1	122.3	117.2
42.5°	52.7	73.7	83.4	77.9	55.1
45°	7.6	25.8	50.3	26.2	8.3
47.5°	3.1	4.1	26.2	3.8	3.1
50°	3.1	3.1	9.3	3.1	3.1
52.5°	3.1	3.1	3.4	3.1	3.1
55°	3.1	3.1	3.1	3.1	3.1
57.5°	2.8	2.8	3.1	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8
62.5°	2.4	2.8	2.8	2.8	2.4
65°	2.1	2.4	2.4	2.4	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	1.7	2.1	2.1	2.1	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.0	1.4	1.4	1.4	1.0
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.3	0.7	0.7	0.7	0.3
87.5°	0.3	0.3	0.3	0.3	0.3



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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)