

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: P1311240

Luminaire Tested: LDSQA3D05R709040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311240
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: LDSQA3D05R709040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

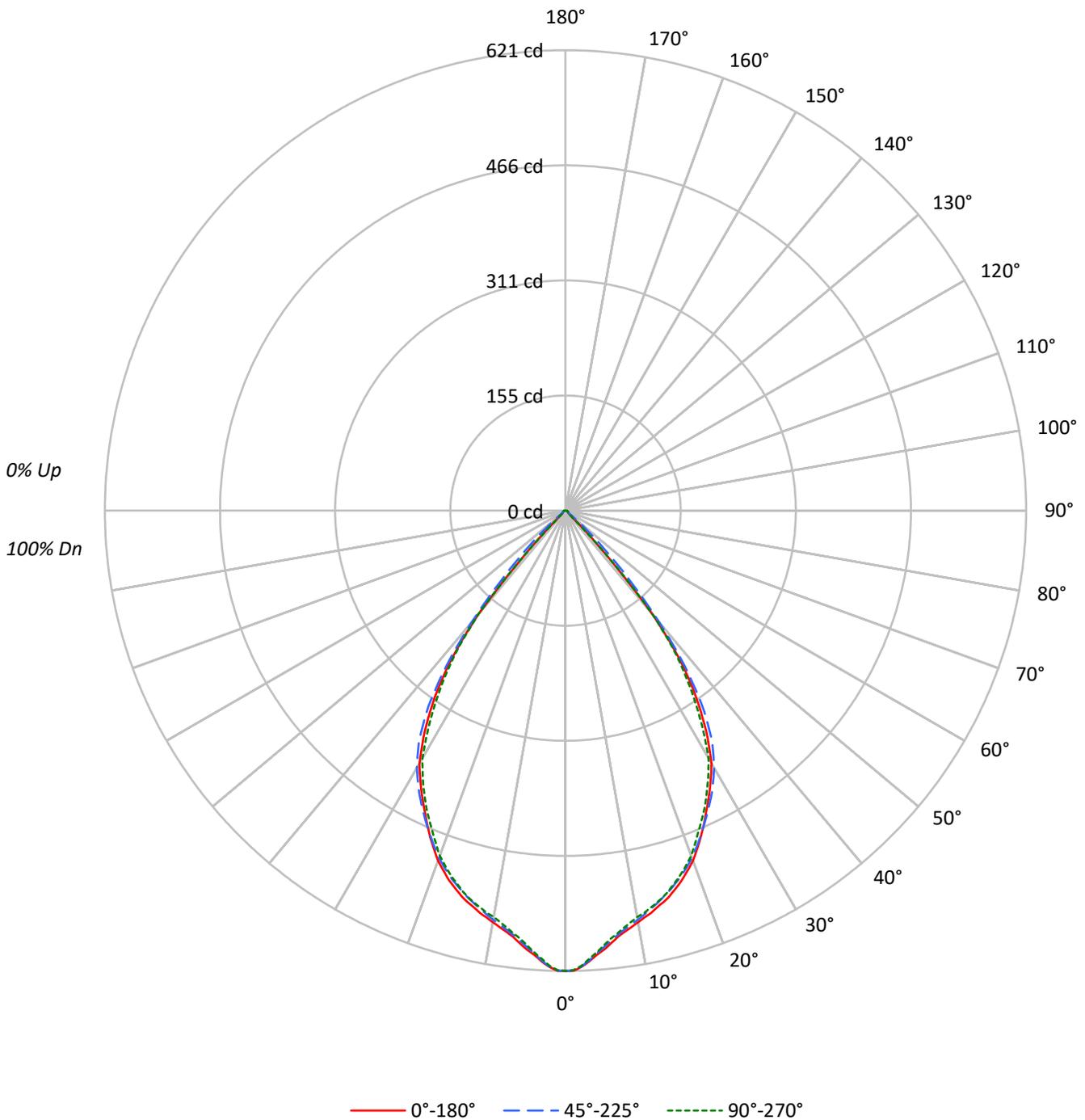
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 662.0 lumens
Efficiency: N/A
Efficacy: 91.9 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	76	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°	106933	106933	106933
5°	102777	102224	101844
10°	98597	98037	97373
15°	96120	95068	94962
20°	92096	91399	90813
25°	85265	85873	84239
30°	78313	79705	76722
35°	64587	67636	62106
40°	41120	44267	41120
45°	2874	19119	3142
50°	1286	3885	1286
55°	1441	1441	1441
60°	1481	1481	1481
65°	1304	1549	1304
70°	1360	1611	1360
75°	1464	1464	1464
80°	1587	1587	1587
85°	988	2174	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 19119 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	8.4
10°-20°	150.0	22.7
20°-30°	206.2	31.1
30°-40°	188.8	28.5
40°-50°	50.1	7.6
50°-60°	4.5	0.7
60°-70°	3.6	0.6
70°-80°	2.5	0.4
80°-90°	0.9	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°	411.6	62.2
0°-40°	600.4	90.7
0°-60°	655.0	98.9
0°-90°	662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	662.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	621	621	621	621	621	
5°	594	592	591	590	589	56
15°	539	534	533	533	533	151
25°	449	450	452	446	443	206
35°	307	312	322	307	295	186
45°	12	40	78	41	13	36
55°	5	5	5	5	5	4
65°	3	4	4	4	3	3
75°	2	2	2	2	2	2
85°	0	1	1	1	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	620.9	620.9	620.9	620.9	620.9
1°	620.9	619.8	620.9	620.9	619.8
2°	616.0	614.9	615.5	614.9	614.4
3°	609.0	607.4	608.0	606.9	605.8
4°	601.0	599.3	599.3	598.8	597.7
5°	594.5	591.8	591.3	590.2	589.1
6°	587.0	584.3	583.7	582.1	581.0
7°	579.4	577.3	576.7	574.6	574.6
8°	573.5	570.8	570.8	568.1	568.1
9°	568.7	565.4	565.4	563.3	562.2
10°	563.8	560.6	560.6	557.9	556.8
11°	559.0	556.3	555.2	553.6	553.1
12°	554.7	550.9	549.8	549.3	548.2
13°	549.3	545.5	544.5	543.9	543.4
14°	544.5	539.6	539.1	538.0	538.5
15°	539.1	534.2	533.2	533.2	532.6
17.5°	522.4	519.2	517.6	516.5	515.4
20°	502.5	499.8	498.7	496.6	495.5
22.5°	476.7	476.1	475.6	472.9	468.6
25°	448.7	450.3	451.9	446.5	443.3
27.5°	421.8	426.1	427.7	422.3	415.3
30°	393.8	397.6	400.8	393.3	385.8
32.5°	353.5	362.6	367.5	358.9	341.6
35°	307.2	312.0	321.7	307.2	295.4
37.5°	253.4	256.1	263.6	253.9	245.9
40°	182.9	191.0	196.9	191.0	182.9
42.5°	82.3	115.1	130.2	121.6	86.1
45°	11.8	40.4	78.5	40.9	12.9
47.5°	4.8	6.5	40.9	5.9	4.8
50°	4.8	4.8	14.5	4.8	4.8
52.5°	4.8	4.8	5.4	4.8	4.8
55°	4.8	4.8	4.8	4.8	4.8
57.5°	4.3	4.3	4.8	4.3	4.3
60°	4.3	4.3	4.3	4.3	4.3
62.5°	3.8	4.3	4.3	4.3	3.8
65°	3.2	3.8	3.8	3.8	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	2.7	3.2	3.2	3.2	2.7
72.5°	2.7	2.7	2.7	2.7	2.7
75°	2.2	2.2	2.2	2.2	2.2
77.5°	1.6	2.2	2.2	2.2	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.5	1.1	1.1	1.1	0.5
87.5°	0.5	0.5	0.5	0.5	0.5



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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)