

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: P1308705

Luminaire Tested: LDSQA3D02R159030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

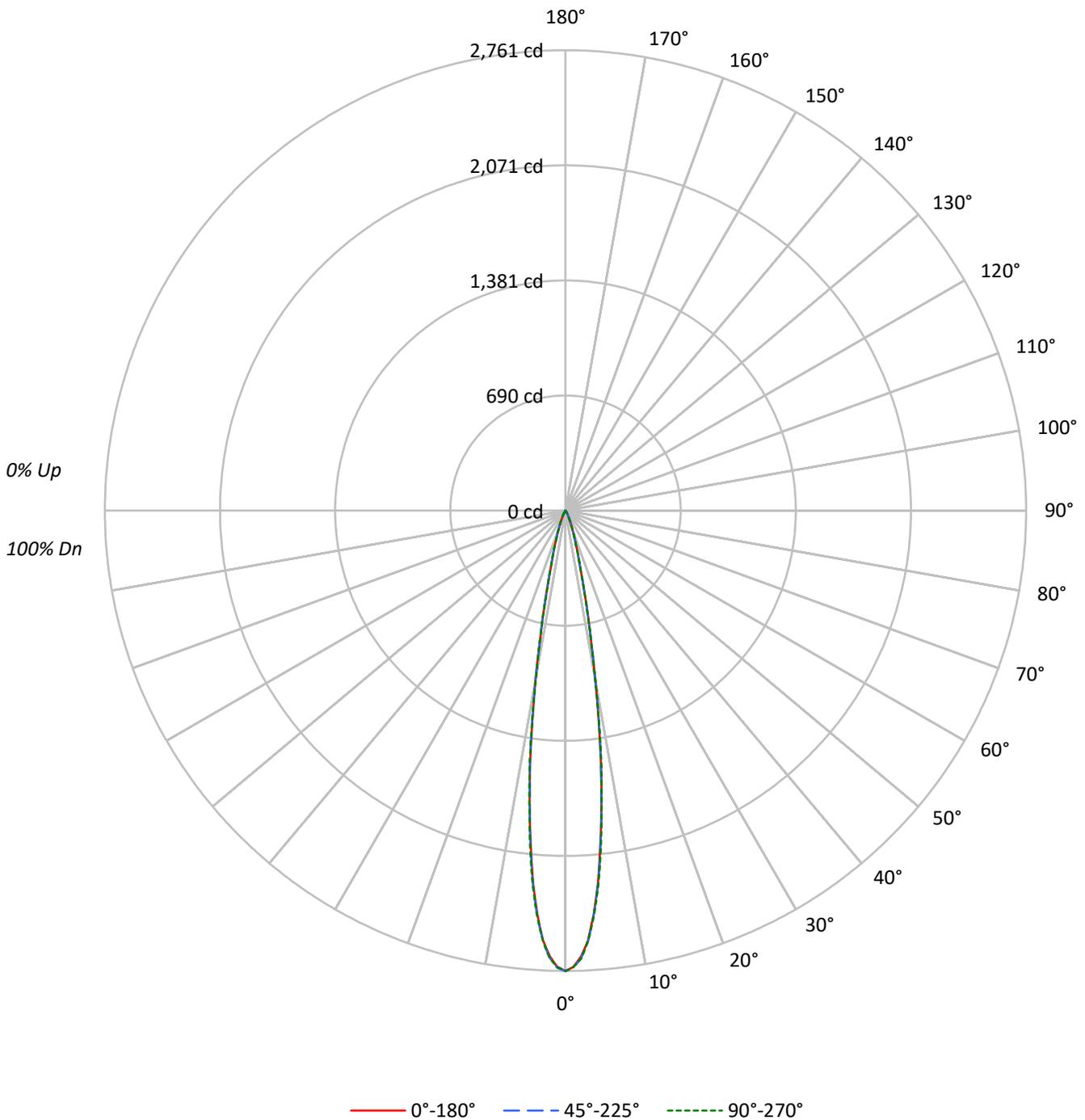
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 309.9 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	97	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	93	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	475576	475576	475576
5°	386716	388065	389396
10°	180091	180266	179286
15°	55718	57715	56627
20°	22213	23459	21956
25°	9292	10965	8836
30°	3778	5031	3480
35°	1219	2313	1135
40°	427	922	427
45°	170	292	170
50°	134	188	134
55°	150	150	150
60°	172	172	172
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 292 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.8	55.8
10°-20°	103.3	33.3
20°-30°	26.3	8.5
30°-40°	5.7	1.8
40°-50°	0.9	0.3
50°-60°	0.5	0.1
60°-70°	0.2	0.1
70°-80°	0.1	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°	302.5	97.6
0°-40°	308.2	99.4
0°-60°	309.6	99.9
0°-90°	309.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	309.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2761	2761	2761	2761	2761	
5°	2237	2240	2245	2234	2252	172
15°	312	321	324	319	318	103
25°	49	52	58	51	46	25
35°	6	8	11	7	5	5
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
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°	2761.4	2761.4	2761.4	2761.4	2761.4
1°	2737.3	2741.9	2742.7	2741.9	2738.0
2°	2675.7	2689.4	2686.4	2680.6	2688.9
3°	2580.6	2587.4	2586.4	2586.9	2584.9
4°	2425.8	2437.7	2430.9	2436.0	2436.5
5°	2236.9	2240.0	2244.7	2234.4	2252.4
6°	2004.4	2024.6	2006.9	2024.4	2031.4
7°	1768.1	1779.8	1757.1	1769.3	1776.6
8°	1526.4	1505.9	1518.3	1518.6	1542.7
9°	1265.5	1269.6	1280.1	1268.1	1278.6
10°	1029.8	1039.3	1030.8	1026.7	1025.2
11°	813.2	823.9	823.2	824.4	816.4
12°	654.3	648.7	652.3	640.4	645.7
13°	509.2	509.4	506.5	501.7	497.3
14°	398.9	396.5	403.3	397.2	391.6
15°	312.5	321.3	323.7	319.1	317.6
17.5°	192.8	193.0	196.4	192.0	191.6
20°	121.2	124.1	128.0	123.4	119.8
22.5°	76.7	79.3	85.4	79.6	74.5
25°	48.9	52.3	57.7	51.1	46.5
27.5°	30.7	33.8	38.9	32.9	29.5
30°	19.0	21.2	25.3	20.7	17.5
32.5°	11.0	13.1	16.6	12.4	10.5
35°	5.8	7.5	11.0	7.3	5.4
37.5°	3.4	4.4	7.1	3.9	3.2
40°	1.9	2.7	4.1	2.4	1.9
42.5°	1.2	1.7	1.9	1.5	1.0
45°	0.7	1.0	1.2	1.0	0.7
47.5°	0.5	0.7	1.0	0.5	0.5
50°	0.5	0.5	0.7	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
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)