

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: P1313304

Luminaire Tested: LDSQA3D05R159727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313304
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: LDSQA3D05R159727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

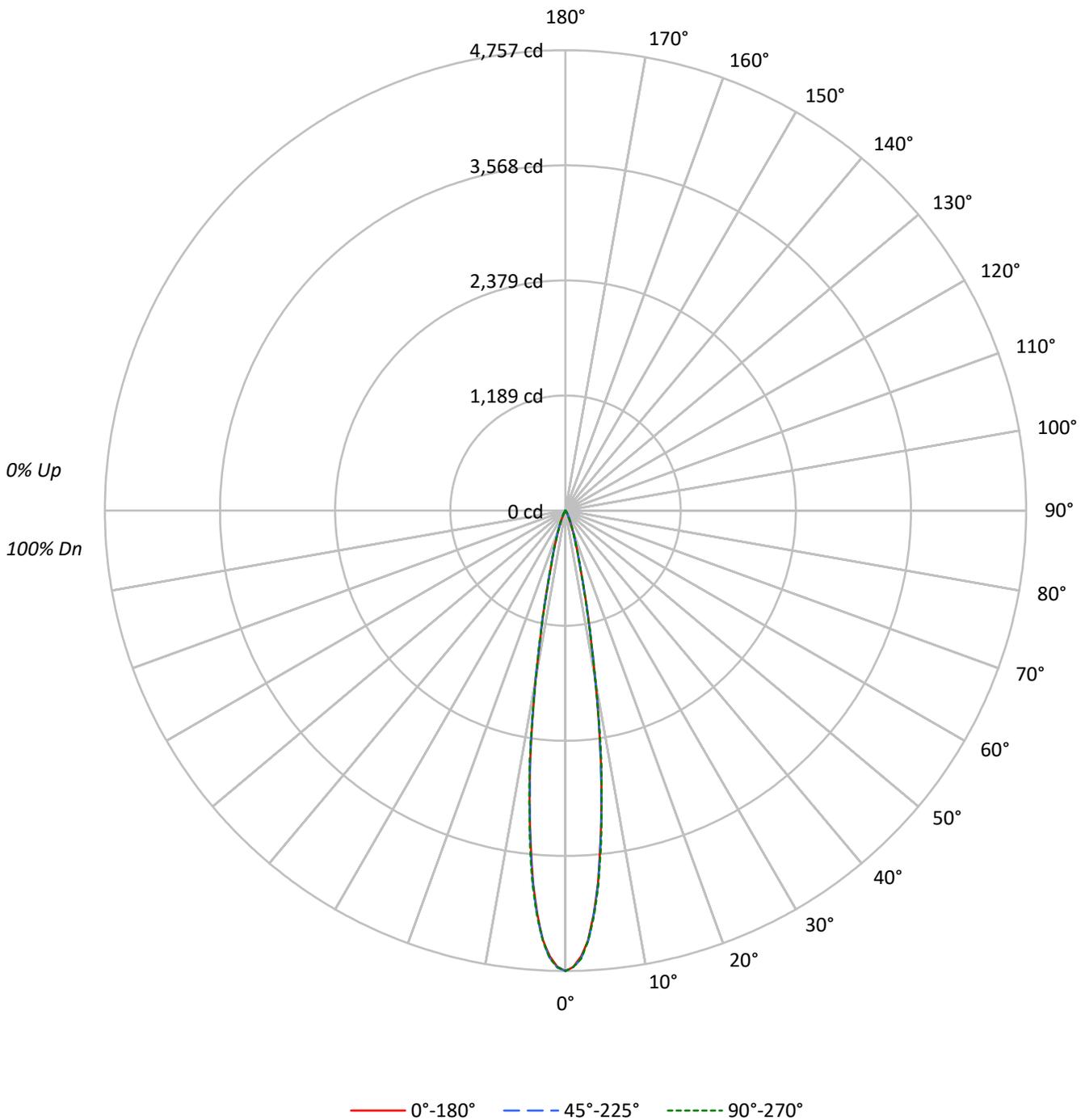
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 533.9 lumens
Efficiency: N/A
Efficacy: 74.2 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): 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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	98	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°	819211	819211	819211
5°	666143	668460	670776
10°	310236	310533	308837
15°	95996	99419	97565
20°	38268	40412	37810
25°	16019	18889	15221
30°	6503	8671	6006
35°	2123	3974	1934
40°	764	1596	764
45°	317	511	317
50°	214	348	214
55°	240	240	240
60°	276	276	276
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 511 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.7	55.8
10°-20°	178.0	33.3
20°-30°	45.3	8.5
30°-40°	9.8	1.8
40°-50°	1.6	0.3
50°-60°	0.7	0.1
60°-70°	0.4	0.1
70°-80°	0.3	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°	521.1	97.6
0°-40°	530.9	99.4
0°-60°	533.2	99.9
0°-90°	533.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	533.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4757	4757	4757	4757	4757	
5°	3853	3859	3867	3849	3880	297
15°	538	554	558	550	547	177
25°	84	90	99	88	80	43
35°	10	13	19	13	9	8
45°	1	2	2	2	1	1
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°	4756.7	4756.7	4756.7	4756.7	4756.7
1°	4715.2	4723.2	4724.5	4723.2	4716.5
2°	4609.2	4632.6	4627.6	4617.5	4631.8
3°	4445.2	4457.0	4455.3	4456.1	4452.8
4°	4178.6	4199.1	4187.4	4196.2	4197.0
5°	3853.2	3858.6	3866.6	3849.0	3880.0
6°	3452.8	3487.6	3457.0	3487.2	3499.3
7°	3045.7	3065.8	3026.8	3047.8	3060.3
8°	2629.3	2594.1	2615.5	2615.9	2657.4
9°	2179.8	2187.0	2205.0	2184.5	2202.5
10°	1774.0	1790.3	1775.7	1768.5	1766.0
11°	1400.8	1419.3	1418.0	1420.1	1406.3
12°	1127.0	1117.4	1123.7	1103.1	1112.4
13°	877.1	877.6	872.5	864.1	856.6
14°	687.2	683.0	694.7	684.3	674.6
15°	538.4	553.5	557.6	549.7	547.2
17.5°	332.1	332.5	338.4	330.8	330.0
20°	208.8	213.8	220.5	212.6	206.3
22.5°	132.1	136.7	147.2	137.1	128.3
25°	84.3	90.1	99.4	88.0	80.1
27.5°	52.8	58.3	67.1	56.6	50.7
30°	32.7	36.5	43.6	35.6	30.2
32.5°	18.9	22.6	28.5	21.4	18.0
35°	10.1	13.0	18.9	12.6	9.2
37.5°	5.9	7.5	12.2	6.7	5.5
40°	3.4	4.6	7.1	4.2	3.4
42.5°	2.1	2.9	3.4	2.5	1.7
45°	1.3	1.7	2.1	1.7	1.3
47.5°	0.8	1.3	1.7	0.8	0.8
50°	0.8	0.8	1.3	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
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)