

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: P1315248

Luminaire Tested: LDSQA3D05R159735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315248
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: LDSQA3D05R159735DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

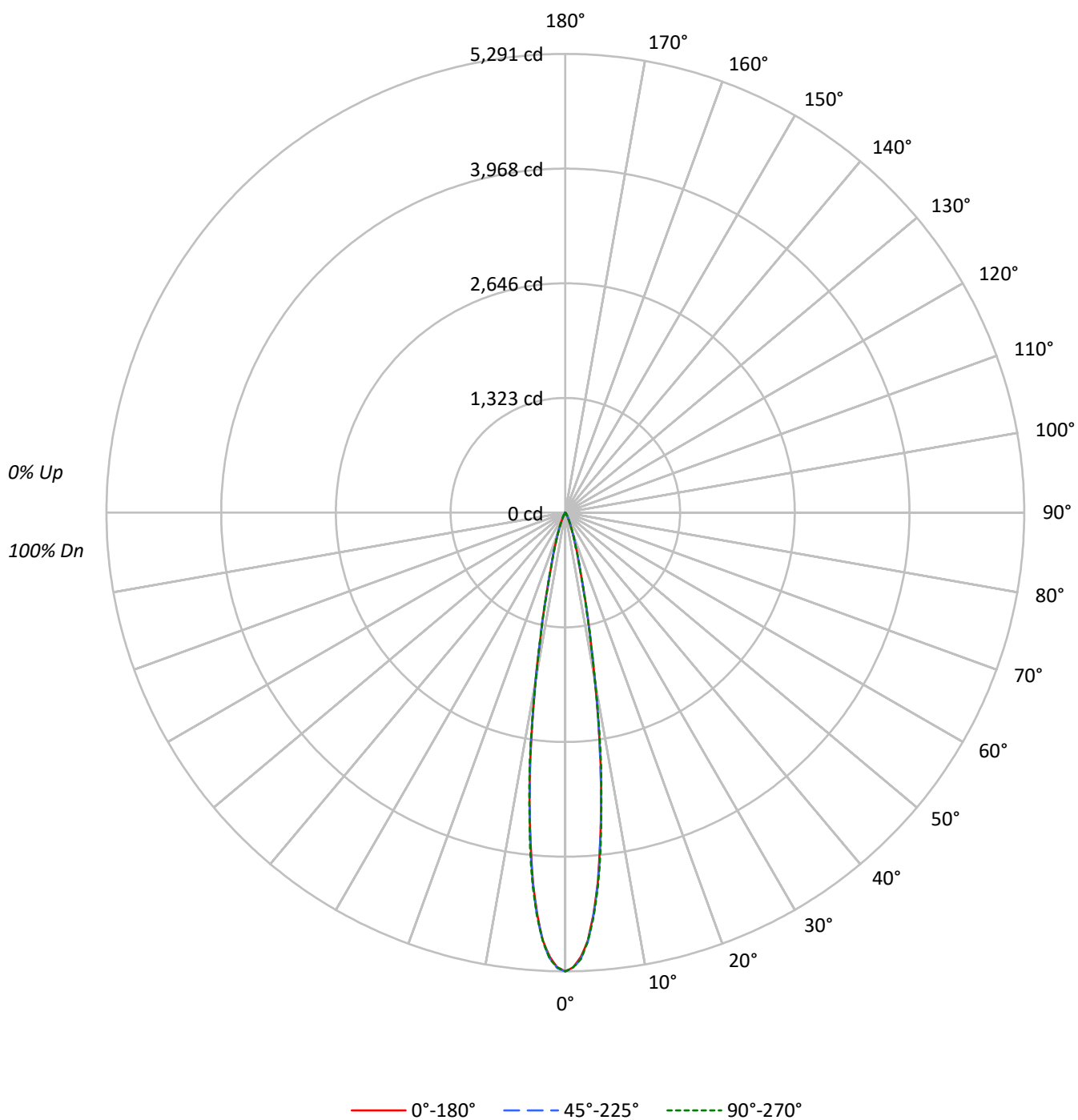
Lumens per Lamp: N/A
Luminaire Lumens: 594.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	103	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95
6	102	97	94	91	101	97	93	91	95	92	90		94	92	90		93
7	100	95	92	89	99	94	91	89	93	91	89		92	90	88		92
8	98	93	90	87	98	93	89	87	92	89	87		91	88	86		90
9	97	91	88	86	96	91	88	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	89	86	84		88	85	84		87

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	911264	911264	911264
5°	740983	743576	746152
10°	345090	345422	343533
15°	106765	110598	108512
20°	42575	44957	42062
25°	17805	20998	16931
30°	7239	9645	6682
35°	2355	4415	2166
40°	832	1776	832
45°	341	560	341
50°	241	375	241
55°	270	270	270
60°	310	310	310
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.2	55.8
10°-20°	198.0	33.3
20°-30°	50.4	8.5
30°-40°	11.0	1.8
40°-50°	1.8	0.3
50°-60°	0.8	0.1
60°-70°	0.5	0.1
70°-80°	0.3	0.1
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°	579.6	97.6
0°-40°	590.6	99.4
0°-60°	593.1	99.9
0°-90°	594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	594.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5291	5291	5291	5291	5291	
5°	4286	4292	4301	4282	4316	330
15°	599	616	620	611	609	197
25°	94	100	110	98	89	48
35°	11	14	21	14	10	9
45°	1	2	2	2	1	1
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
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°	5291.2	5291.2	5291.2	5291.2	5291.2
1°	5245.0	5253.9	5255.3	5253.9	5246.4
2°	5127.0	5153.2	5147.6	5136.4	5152.2
3°	4944.7	4957.7	4955.9	4956.8	4953.1
4°	4648.1	4670.9	4657.8	4667.6	4668.6
5°	4286.1	4292.2	4301.1	4281.5	4316.0
6°	3840.7	3879.4	3845.4	3879.0	3892.5
7°	3387.9	3410.2	3366.9	3390.2	3404.2
8°	2924.7	2885.6	2909.3	2909.8	2956.0
9°	2424.8	2432.7	2452.7	2429.9	2450.0
10°	1973.3	1991.5	1975.2	1967.2	1964.4
11°	1558.2	1578.7	1577.3	1579.7	1564.3
12°	1253.7	1242.9	1249.9	1227.1	1237.3
13°	975.7	976.2	970.6	961.2	952.8
14°	764.4	759.8	772.8	761.1	750.4
15°	598.8	615.6	620.3	611.4	608.6
17.5°	369.4	369.8	376.4	368.0	367.0
20°	232.3	237.9	245.3	236.5	229.5
22.5°	146.9	152.0	163.7	152.5	142.7
25°	93.7	100.3	110.5	97.9	89.1
27.5°	58.8	64.8	74.6	63.0	56.4
30°	36.4	40.6	48.5	39.6	33.6
32.5°	21.0	25.2	31.7	23.8	20.1
35°	11.2	14.5	21.0	14.0	10.3
37.5°	6.5	8.4	13.5	7.5	6.1
40°	3.7	5.1	7.9	4.7	3.7
42.5°	2.3	3.3	3.7	2.8	1.9
45°	1.4	1.9	2.3	1.9	1.4
47.5°	0.9	1.4	1.9	0.9	0.9
50°	0.9	0.9	1.4	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
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)