

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: P1318891

Luminaire Tested: LDSQA3D05R159835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159835DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

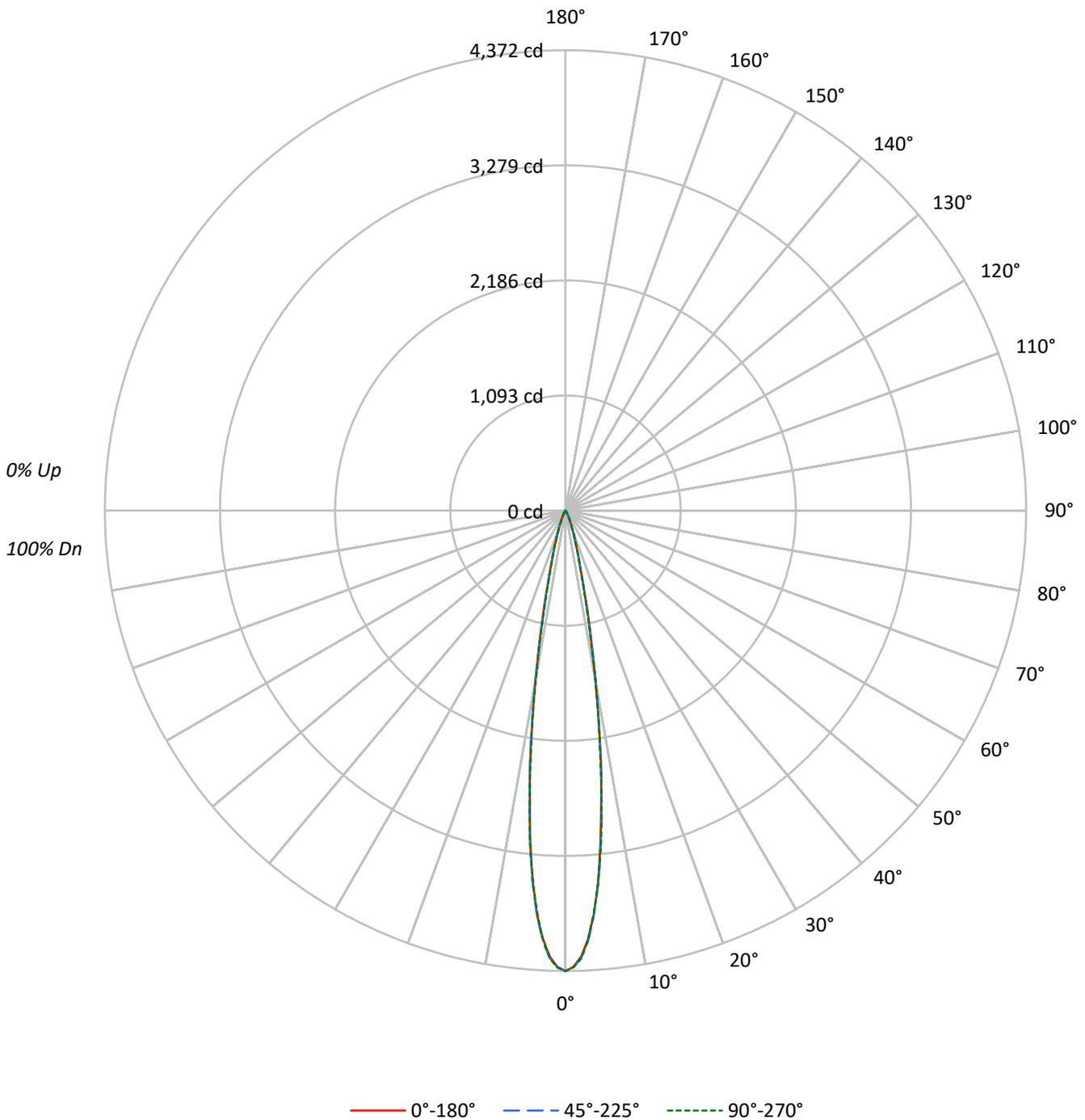
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 488.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 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			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	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	95	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	90	88	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	753043	753043	753043
5°	613103	615109	613916
10°	285998	288569	284931
15°	89809	90575	90023
20°	35592	37003	34456
25°	14385	17387	13872
30°	5747	7915	5449
35°	1703	3490	1619
40°	517	1304	427
45°	97	292	97
50°	0	107	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
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°	273.8	56.1
10°-20°	163.7	33.6
20°-30°	41.3	8.5
30°-40°	8.4	1.7
40°-50°	0.8	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	478.8	98.1
0°-40°	487.2	99.8
0°-60°	488.0	100.0
0°-90°	488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	488.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4372	4372	4372	4372	4372	
5°	3546	3540	3558	3549	3551	273
15°	504	508	508	501	505	164
25°	76	83	92	81	73	39
35°	8	11	17	10	8	7
45°	0	1	1	1	0	0
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°	4372.5	4372.5	4372.5	4372.5	4372.5
1°	4333.1	4347.8	4340.0	4346.2	4339.3
2°	4239.3	4259.0	4252.8	4250.9	4256.3
3°	4074.1	4096.9	4096.1	4090.3	4081.0
4°	3848.7	3839.4	3853.7	3852.2	3836.3
5°	3546.4	3539.9	3558.0	3549.2	3551.1
6°	3176.7	3205.2	3199.1	3199.8	3207.2
7°	2779.5	2794.9	2808.1	2818.9	2803.8
8°	2414.7	2410.9	2412.0	2424.4	2382.7
9°	2006.4	2030.3	2014.9	1990.1	2006.0
10°	1635.4	1650.1	1650.1	1628.5	1629.3
11°	1303.9	1315.8	1307.3	1312.7	1278.8
12°	1051.0	1021.3	1014.4	1019.8	1019.4
13°	802.5	804.4	802.5	802.1	798.2
14°	629.2	639.2	634.9	624.5	619.9
15°	503.7	508.0	508.0	500.6	504.9
17.5°	302.6	307.6	308.8	303.8	303.8
20°	194.2	196.5	201.9	194.5	188.0
22.5°	119.7	124.7	133.9	123.1	117.7
25°	75.7	82.6	91.5	81.1	73.0
27.5°	47.5	53.3	61.0	51.0	45.9
30°	28.9	32.8	39.8	32.0	27.4
32.5°	16.2	19.3	25.1	18.5	15.4
35°	8.1	10.8	16.6	10.4	7.7
37.5°	4.6	5.8	10.4	5.0	4.2
40°	2.3	3.1	5.8	3.1	1.9
42.5°	0.8	1.5	2.3	1.5	0.8
45°	0.4	0.8	1.2	0.8	0.4
47.5°	0.0	0.0	0.4	0.0	0.0
50°	0.0	0.0	0.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)