

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: P1319766

Luminaire Tested: LDSQA3D05R159840DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319766
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: LDSQA3D05R159840DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

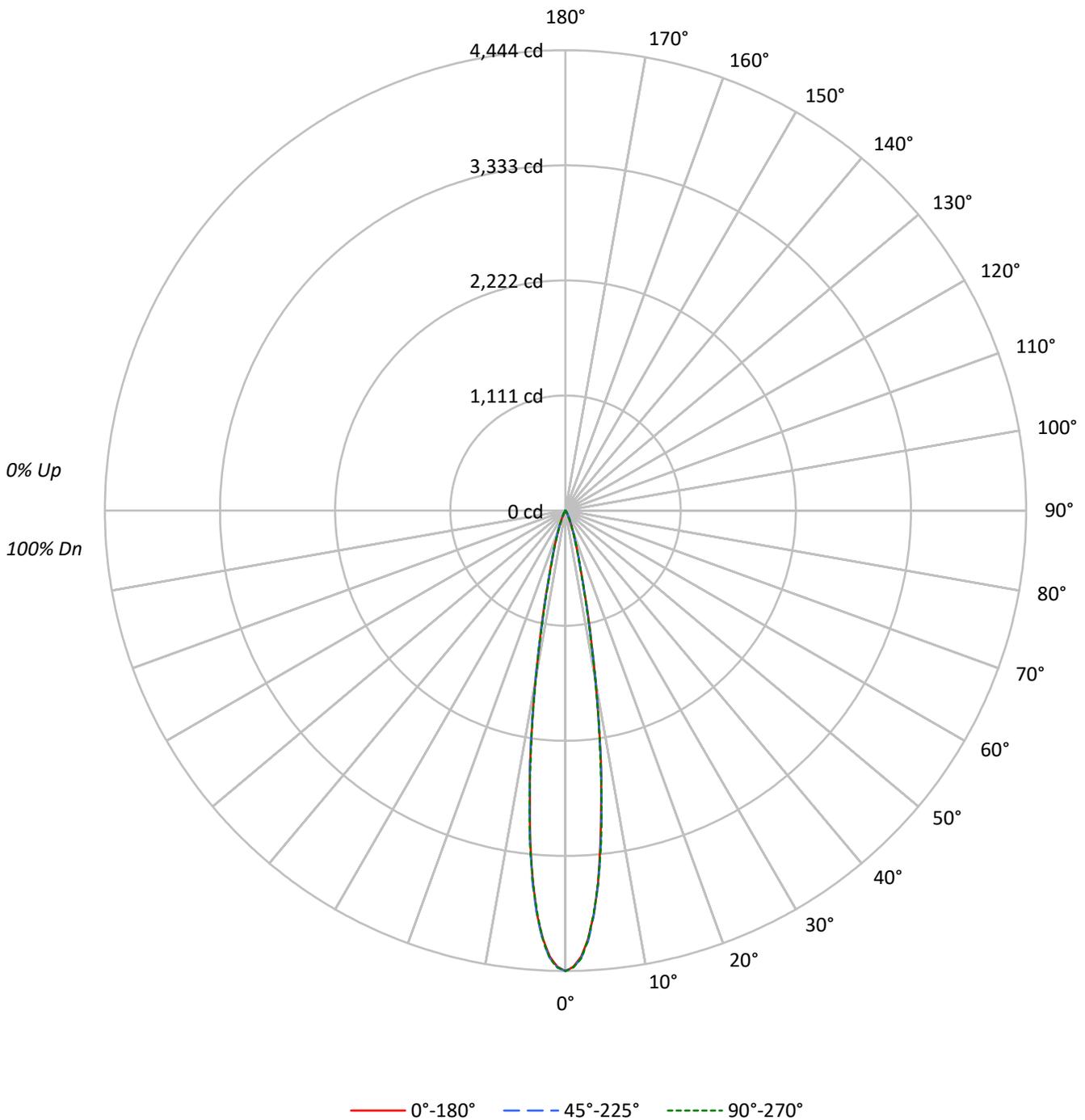
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 496.0 lumens
Efficiency: N/A
Efficacy: 68.9 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	96	95	93	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°	765375	765375	765375
5°	623165	625205	623978
10°	290685	293290	289600
15°	91289	92055	91485
20°	36160	37608	35024
25°	14613	17672	14081
30°	5847	8034	5548
35°	1724	3553	1640
40°	540	1326	450
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°	278.2	56.1
10°-20°	166.4	33.6
20°-30°	42.0	8.5
30°-40°	8.6	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°	486.6	98.1
0°-40°	495.2	99.8
0°-60°	496.0	100.0
0°-90°	496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4444	4444	4444	4444	4444	
5°	3605	3598	3616	3607	3609	277
15°	512	516	516	509	513	166
25°	77	84	93	82	74	40
35°	8	11	17	11	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°	4444.1	4444.1	4444.1	4444.1	4444.1
1°	4404.1	4419.0	4411.2	4417.5	4410.4
2°	4308.8	4328.8	4322.5	4320.6	4326.1
3°	4140.9	4164.0	4163.2	4157.4	4147.9
4°	3911.8	3902.4	3916.9	3915.3	3899.2
5°	3604.6	3597.9	3616.4	3607.3	3609.3
6°	3228.8	3257.8	3251.5	3252.3	3259.7
7°	2825.1	2840.8	2854.1	2865.1	2849.8
8°	2454.3	2450.4	2451.6	2464.1	2421.8
9°	2039.3	2063.6	2047.9	2022.8	2038.9
10°	1662.2	1677.1	1677.1	1655.2	1656.0
11°	1325.2	1337.4	1328.8	1334.3	1299.7
12°	1068.3	1038.1	1031.0	1036.5	1036.1
13°	815.6	817.6	815.6	815.2	811.3
14°	639.5	649.7	645.4	634.8	630.1
15°	512.0	516.3	516.3	508.8	513.1
17.5°	307.6	312.7	313.9	308.8	308.8
20°	197.3	199.7	205.2	197.7	191.1
22.5°	121.6	126.7	136.1	125.1	119.7
25°	76.9	84.0	93.0	82.4	74.1
27.5°	48.3	54.1	62.0	51.8	46.7
30°	29.4	33.3	40.4	32.6	27.9
32.5°	16.5	19.6	25.5	18.8	15.7
35°	8.2	11.0	16.9	10.6	7.8
37.5°	4.7	5.9	10.6	5.1	4.3
40°	2.4	3.1	5.9	3.1	2.0
42.5°	0.8	1.6	2.4	1.6	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)