

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: P1319768

Luminaire Tested: LDSQA3D05R159840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319768
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: LDSQA3D05R159840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

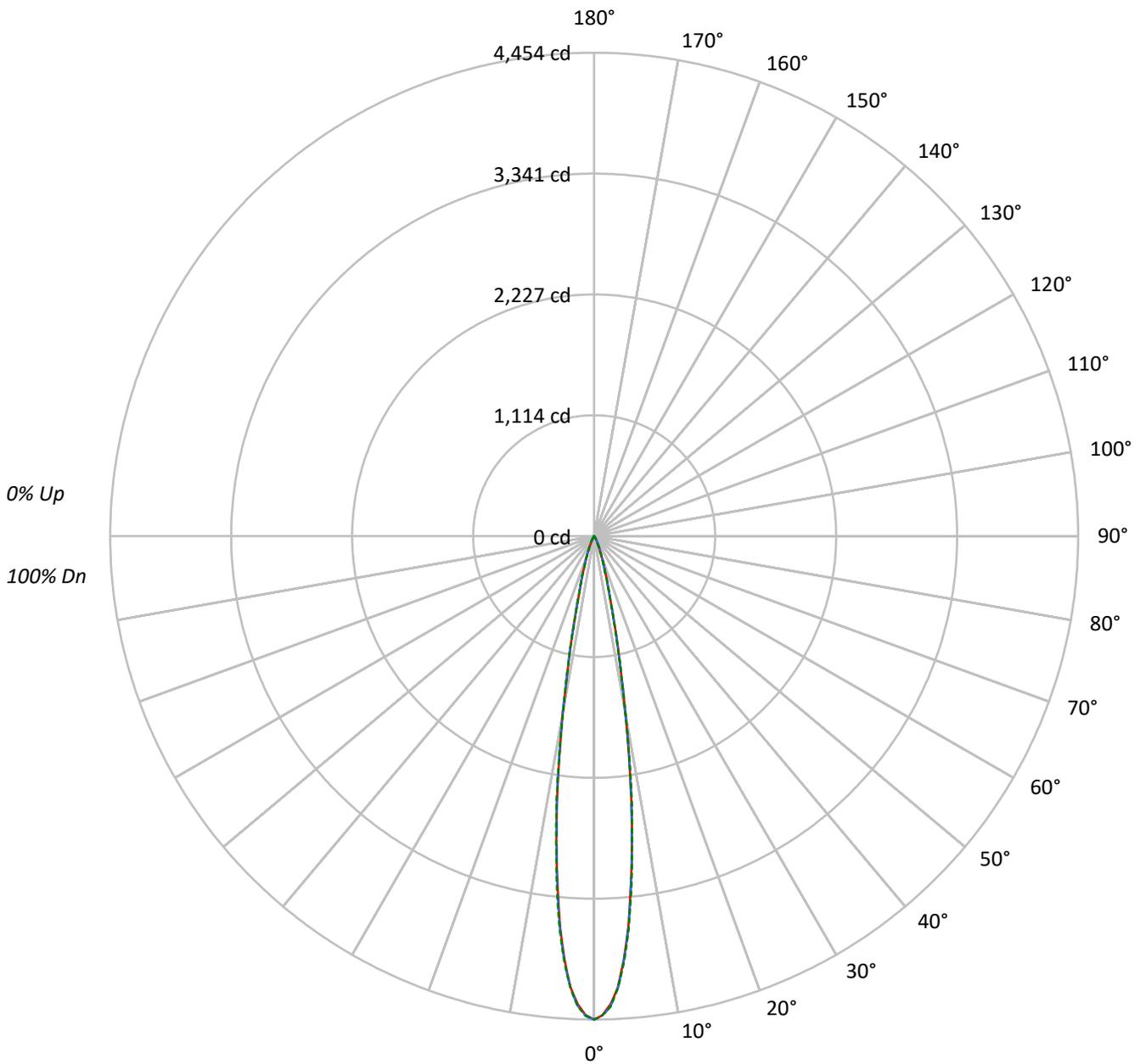
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 500.0 lumens
Efficiency: N/A
Efficacy: 69.4 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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	99	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	92	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	86	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°	767062	767062	767062
5°	623736	625897	628075
10°	290475	290755	289181
15°	89880	93089	91342
20°	35830	37846	35409
25°	14993	17672	14252
30°	6085	8114	5628
35°	1976	3721	1808
40°	697	1506	697
45°	292	487	292
50°	214	322	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: 487 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.8	55.8
10°-20°	166.7	33.3
20°-30°	42.4	8.5
30°-40°	9.2	1.8
40°-50°	1.5	0.3
50°-60°	0.7	0.1
60°-70°	0.4	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°	487.9	97.6
0°-40°	497.1	99.4
0°-60°	499.3	99.9
0°-90°	500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4454	4454	4454	4454	4454	
5°	3608	3613	3620	3604	3633	278
15°	504	518	522	515	512	166
25°	79	84	93	82	75	40
35°	9	12	18	12	9	7
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°	4453.9	4453.9	4453.9	4453.9	4453.9
1°	4415.0	4422.5	4423.6	4422.5	4416.2
2°	4315.7	4337.7	4333.0	4323.5	4336.9
3°	4162.2	4173.2	4171.6	4172.4	4169.3
4°	3912.5	3931.7	3920.7	3929.0	3929.8
5°	3607.9	3613.0	3620.4	3603.9	3633.0
6°	3232.9	3265.5	3236.9	3265.1	3276.5
7°	2851.7	2870.6	2834.1	2853.7	2865.5
8°	2461.9	2428.9	2448.9	2449.3	2488.2
9°	2041.0	2047.7	2064.6	2045.4	2062.2
10°	1661.0	1676.3	1662.6	1655.9	1653.6
11°	1311.6	1328.9	1327.7	1329.7	1316.7
12°	1055.3	1046.2	1052.1	1032.9	1041.5
13°	821.3	821.7	817.0	809.1	802.1
14°	643.4	639.5	650.5	640.7	631.7
15°	504.1	518.2	522.1	514.7	512.3
17.5°	310.9	311.3	316.8	309.7	309.0
20°	195.5	200.2	206.5	199.0	193.2
22.5°	123.7	128.0	137.8	128.4	120.1
25°	78.9	84.4	93.0	82.4	75.0
27.5°	49.5	54.6	62.8	53.0	47.5
30°	30.6	34.2	40.8	33.4	28.3
32.5°	17.7	21.2	26.7	20.0	16.9
35°	9.4	12.2	17.7	11.8	8.6
37.5°	5.5	7.1	11.4	6.3	5.1
40°	3.1	4.3	6.7	3.9	3.1
42.5°	2.0	2.7	3.1	2.4	1.6
45°	1.2	1.6	2.0	1.6	1.2
47.5°	0.8	1.2	1.6	0.8	0.8
50°	0.8	0.8	1.2	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)