

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: P1320205

Luminaire Tested: LDSQA3D17R159840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320205
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: LDSQA3D17R159840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

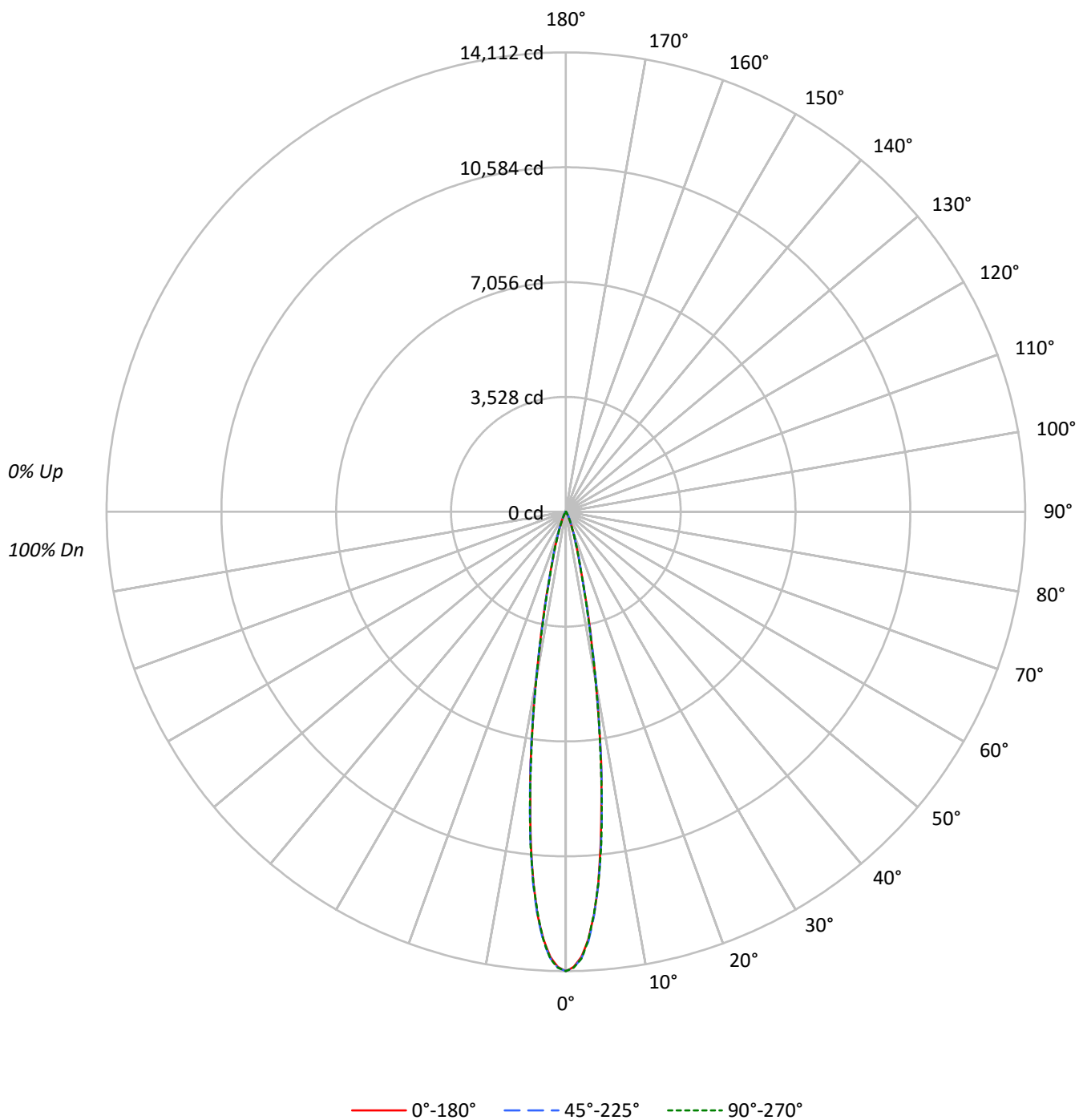
Lumens per Lamp: N/A
Luminaire Lumens: 1575.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2430389	2430389	2430389
5°	1978790	1985256	1981383
10°	923066	931338	919569
15°	289859	292302	290537
20°	114840	119404	111193
25°	46405	56096	44732
30°	18574	25514	17580
35°	5508	11269	5235
40°	1686	4204	1394
45°	292	901	292
50°	0	322	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: 901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	883.5	56.1
10°-20°	528.4	33.6
20°-30°	133.3	8.5
30°-40°	27.2	1.7
40°-50°	2.5	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°	1545.2	98.1
0°-40°	1572.4	99.8
0°-60°	1575.0	100.0
0°-90°	1575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1575.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14112	14112	14112	14112	14112	
5°	11446	11425	11483	11455	11461	881
15°	1626	1639	1639	1616	1630	529
25°	244	267	295	262	235	125
35°	26	35	54	34	25	22
45°	1	2	4	2	1	1
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°	14111.9	14111.9	14111.9	14111.9	14111.9
1°	13984.9	14032.2	14007.3	14027.2	14004.8
2°	13682.2	13745.7	13725.8	13719.5	13737.0
3°	13149.0	13222.5	13220.0	13201.3	13171.4
4°	12421.5	12391.6	12437.6	12432.7	12381.6
5°	11446.0	11424.8	11483.4	11454.7	11461.0
6°	10252.6	10344.8	10324.8	10327.3	10351.0
7°	8970.7	9020.5	9062.9	9097.8	9049.2
8°	7793.5	7781.0	7784.7	7824.6	7690.1
9°	6475.4	6552.7	6502.9	6423.1	6474.2
10°	5278.3	5325.6	5325.6	5255.9	5258.3
11°	4208.2	4246.8	4219.4	4236.8	4127.2
12°	3392.2	3296.3	3273.9	3291.3	3290.0
13°	2589.9	2596.2	2589.9	2588.7	2576.2
14°	2030.6	2063.0	2049.3	2015.6	2000.7
15°	1625.7	1639.4	1639.4	1615.7	1629.5
17.5°	976.7	992.9	996.6	980.4	980.4
20°	626.6	634.1	651.5	627.9	606.7
22.5°	386.2	402.4	432.3	397.4	380.0
25°	244.2	266.6	295.2	261.6	235.4
27.5°	153.2	171.9	196.8	164.4	148.2
30°	93.4	105.9	128.3	103.4	88.4
32.5°	52.3	62.3	81.0	59.8	49.8
35°	26.2	34.9	53.6	33.6	24.9
37.5°	14.9	18.7	33.6	16.2	13.7
40°	7.5	10.0	18.7	10.0	6.2
42.5°	2.5	5.0	7.5	5.0	2.5
45°	1.2	2.5	3.7	2.5	1.2
47.5°	0.0	0.0	1.2	0.0	0.0
50°	0.0	0.0	1.2	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)