

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: P1316707

Luminaire Tested: LDSQA3D17R209740DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209740DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

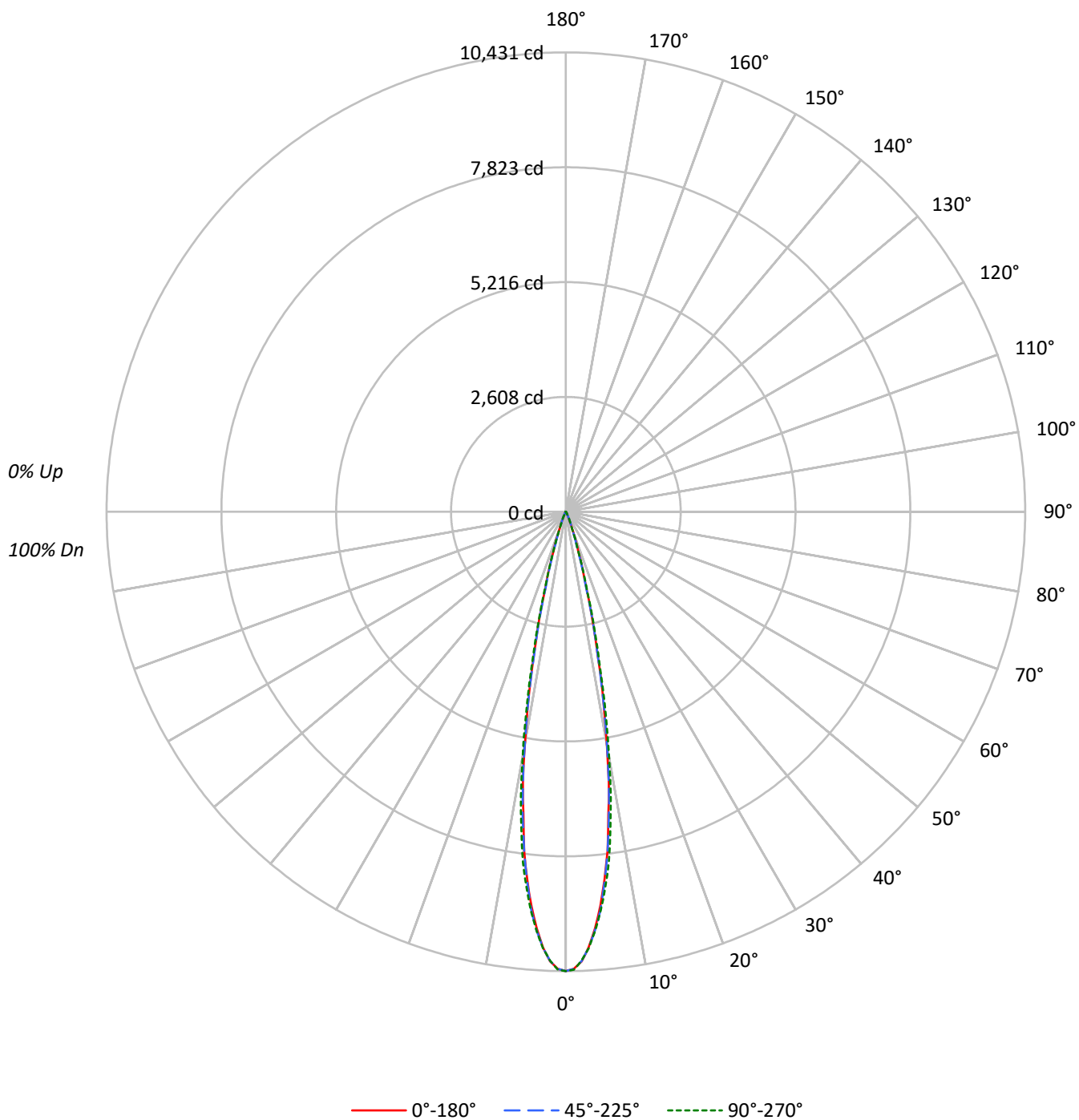
Lumens per Lamp: N/A
Luminaire Lumens: 1401.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	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	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1796437	1796437	1796437
5°	1551914	1566367	1572193
10°	934224	942950	989888
15°	323129	315570	340710
20°	84875	79835	80073
25°	18509	22290	25388
30°	7935	7935	8193
35°	4457	3932	4205
40°	1956	2248	2518
45°	609	901	901
50°	322	322	322
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: 22.5°

Vertical Angle: 45°

Luminance: 901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	746.0	53.3
10°-20°	568.0	40.5
20°-30°	70.2	5.0
30°-40°	13.3	0.9
40°-50°	3.2	0.2
50°-60°	0.2	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°	1384.3	98.8
0°-40°	1397.6	99.8
0°-60°	1401.0	100.0
0°-90°	1401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1401.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10431	10431	10431	10431	10431	
5°	8977	8970	9060	9054	9094	740
15°	1812	1747	1770	1876	1911	567
25°	97	111	117	122	134	67
35°	21	21	19	20	20	14
45°	2	4	4	4	4	3
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°	10430.9	10430.9	10430.9	10430.9	10430.9
1°	10382.2	10369.7	10379.7	10358.5	10402.1
2°	10216.2	10203.7	10203.7	10191.2	10197.5
3°	9906.6	9926.6	9914.1	9887.9	9921.6
4°	9484.8	9507.2	9527.2	9528.4	9533.4
5°	8976.8	8970.5	9060.4	9054.1	9094.1
6°	8397.6	8390.1	8428.8	8493.7	8573.6
7°	7761.0	7669.9	7773.5	7904.6	8011.9
8°	6937.3	6961.0	7032.1	7186.9	7273.0
9°	6238.3	6099.7	6250.8	6435.5	6529.1
10°	5342.1	5229.8	5392.0	5586.8	5660.4
12.5°	3362.5	3265.2	3317.6	3522.3	3554.8
15°	1812.3	1747.4	1769.9	1876.0	1910.9
17.5°	924.9	866.2	853.7	921.1	928.6
20°	463.1	449.3	435.6	441.8	436.9
22.5°	214.7	233.4	230.9	218.4	233.4
25°	97.4	111.1	117.3	122.3	133.6
27.5°	59.9	57.4	66.2	71.1	72.4
30°	39.9	38.7	39.9	41.2	41.2
32.5°	28.7	27.5	26.2	26.2	27.5
35°	21.2	21.2	18.7	20.0	20.0
37.5°	15.0	15.0	13.7	15.0	15.0
40°	8.7	10.0	10.0	10.0	11.2
42.5°	5.0	6.2	6.2	6.2	6.2
45°	2.5	3.7	3.7	3.7	3.7
47.5°	1.2	1.2	1.2	2.5	2.5
50°	1.2	1.2	1.2	1.2	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)