

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: P1311593

Luminaire Tested: LDSQA3D17R159040DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R159040DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

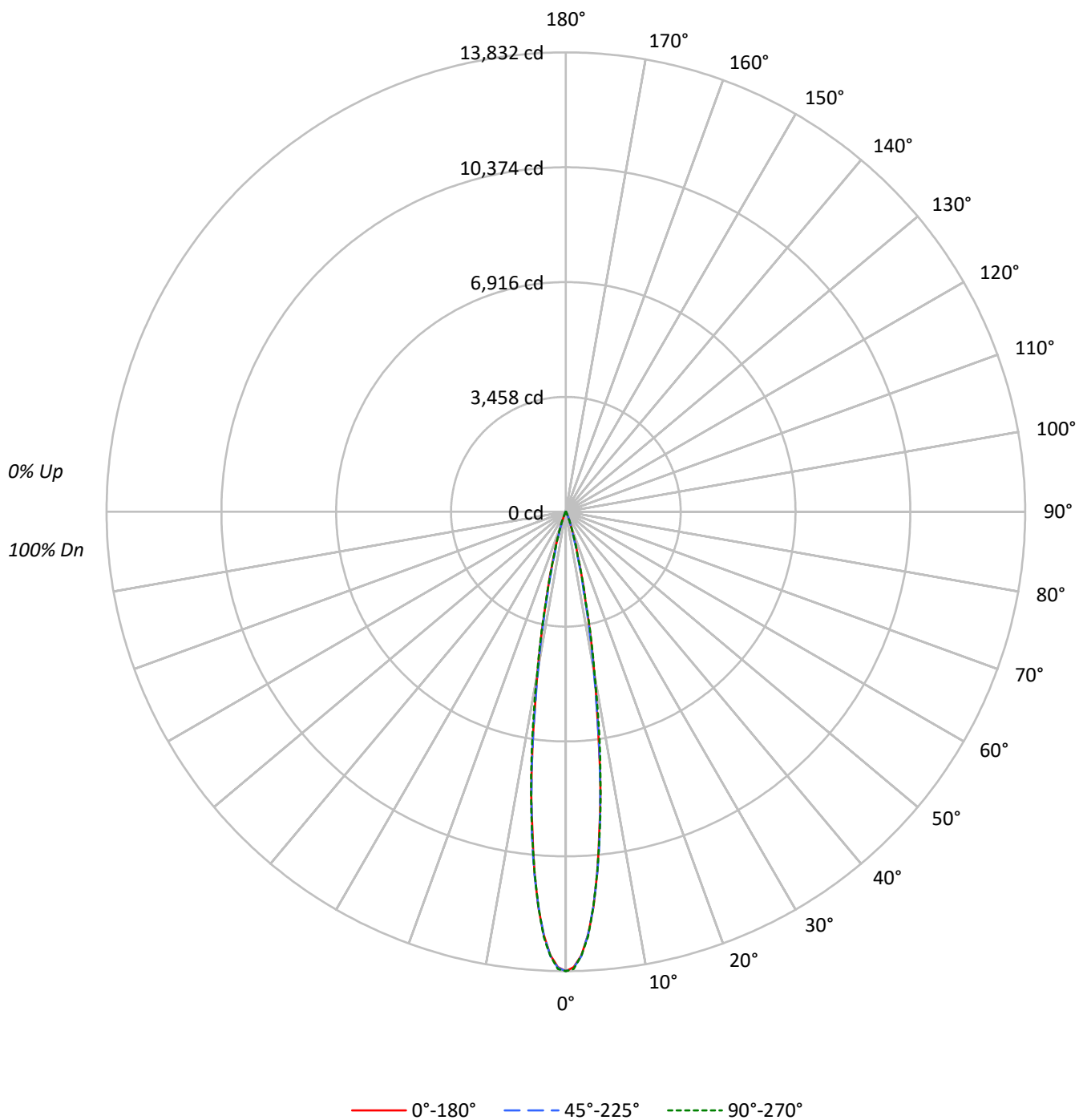
Lumens per Lamp: N/A
Luminaire Lumens: 1385.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					0
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	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2382166	2382166	2382166
5°	1879055	1884086	1877379
10°	859672	837148	877842
15°	255608	228204	250420
20°	75913	73622	79707
25°	21587	27896	25008
30°	7716	8273	7438
35°	2922	2628	2628
40°	1237	629	944
45°	682	341	682
50°	375	0	375
55°	420	0	420
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: 0°

Vertical Angle: 47.5°

Luminance: 714 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	835.7	60.3
10°-20°	464.0	33.5
20°-30°	73.9	5.3
30°-40°	9.7	0.7
40°-50°	1.5	0.1
50°-60°	0.3	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°	1373.6	99.2
0°-40°	1383.2	99.9
0°-60°	1385.0	100.0
0°-90°	1385.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1385.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13832	13832	13832	13832	13832	
5°	10869	10960	10898	10852	10859	834
15°	1434	1415	1280	1360	1404	473
25°	114	127	147	146	132	69
35°	14	14	12	14	12	10
45°	3	2	1	1	3	3
55°	1	0	0	0	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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	13831.9	13831.9	13831.9	13831.9	13831.9	13831.9	13831.9	13831.9	13831.9	13831.9	13831.9
1°	13712.8	13728.1	13747.4	13729.4	13712.8	13728.1	13707.3	13710.0	13693.4	13729.4	13769.6
2°	13363.8	13383.2	13372.1	13347.1	13385.9	13388.7	13345.8	13325.0	13322.2	13358.2	13372.1
3°	12746.0	12790.3	12791.7	12783.4	12770.9	12746.0	12701.7	12730.8	12690.6	12665.7	12806.9
4°	11924.6	11963.4	12009.1	11978.6	11887.2	11895.5	11924.6	11826.3	11831.8	11888.6	11892.8
5°	10869.1	10986.9	10992.4	10949.5	10877.5	10898.2	10877.5	10849.7	10859.4	10895.5	10859.4
6°	9626.7	9759.6	9661.3	9755.5	9734.7	9761.0	9768.0	9738.9	9759.6	9737.5	9730.6
7°	8553.2	8452.1	8465.9	8427.2	8468.7	8496.4	8513.0	8463.2	8503.3	8567.0	8585.1
8°	7222.1	7193.0	7163.9	7233.2	7213.8	7247.0	7267.8	7323.2	7320.4	7339.8	7403.5
9°	5954.7	5997.6	6023.9	5963.0	6015.6	5913.1	5949.1	6097.4	6058.6	6097.4	6210.9
10°	4915.8	4950.5	4911.7	4910.3	4854.9	4787.0	4782.9	4838.3	4954.6	5046.0	5019.7
12.5°	2712.1	2742.6	2746.7	2743.9	2644.2	2532.0	2552.8	2597.1	2669.2	2699.6	2749.5
15°	1433.6	1432.2	1447.5	1404.5	1351.9	1279.9	1285.4	1346.3	1400.4	1414.2	1404.5
17.5°	735.5	738.3	749.4	738.3	682.9	689.8	705.0	712.0	743.8	756.3	749.4
20°	414.2	415.5	414.2	418.3	396.1	401.7	421.1	422.5	429.4	436.3	434.9
22.5°	236.9	238.2	246.6	243.8	238.2	245.2	249.3	256.2	259.0	256.2	264.6
25°	113.6	115.0	115.0	131.6	139.9	146.8	149.6	146.8	144.1	133.0	131.6
27.5°	65.1	65.1	67.9	69.3	72.0	84.5	83.1	69.3	58.2	58.2	59.6
30°	38.8	37.4	37.4	38.8	40.2	41.6	38.8	37.4	37.4	38.8	37.4
32.5°	23.5	23.5	23.5	22.2	22.2	20.8	20.8	23.5	23.5	23.5	23.5
35°	13.9	13.9	13.9	13.9	12.5	12.5	12.5	13.9	13.9	12.5	12.5
37.5°	8.3	8.3	8.3	6.9	6.9	5.5	6.9	6.9	6.9	6.9	6.9
40°	5.5	5.5	4.2	4.2	2.8	2.8	2.8	4.2	4.2	4.2	4.2
42.5°	4.2	4.2	2.8	2.8	1.4	1.4	1.4	2.8	2.8	2.8	2.8
45°	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
47.5°	2.8	2.8	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4	1.4
50°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
52.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
55°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)