

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: P1317581

Luminaire Tested: LDSQA3D17R159827DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317581
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: LDSQA3D17R159827DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

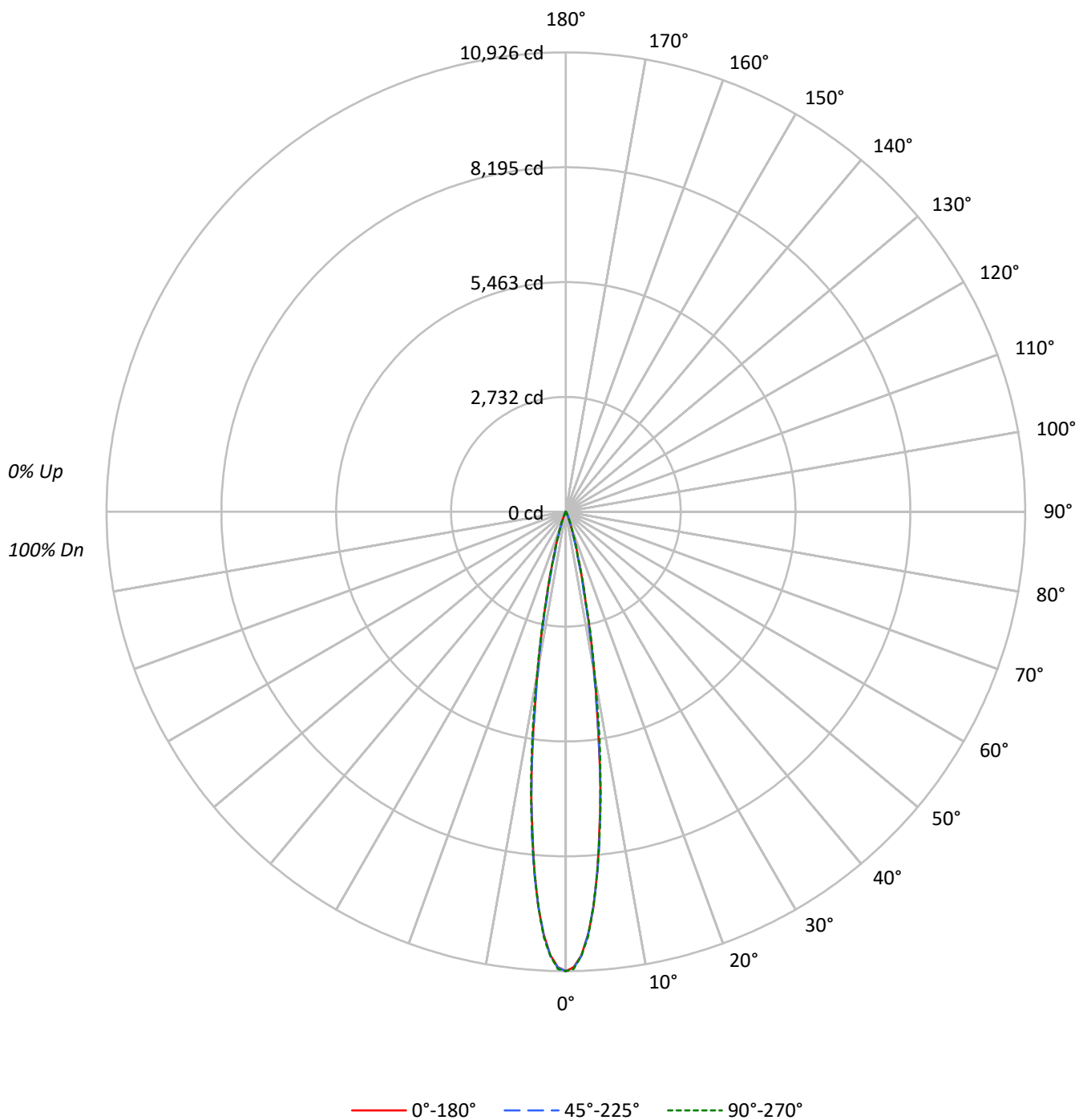
Lumens per Lamp: N/A
Luminaire Lumens: 1094.0 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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					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	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98	98	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97	97	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95	95	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93	93	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92	92	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	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	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°	1881653	1881653	1881653
5°	1484248	1488225	1482934
10°	679057	661254	693397
15°	201905	180259	197804
20°	59949	58153	62955
25°	17045	22043	19744
30°	6085	6523	5867
35°	2292	2060	2060
40°	989	495	742
45°	536	268	536
50°	295	0	295
55°	330	0	330
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: 561 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.1	60.3
10°-20°	366.5	33.5
20°-30°	58.3	5.3
30°-40°	7.6	0.7
40°-50°	1.1	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°	1085.0	99.2
0°-40°	1092.6	99.9
0°-60°	1094.0	100.0
0°-90°	1094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1094.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10926	10926	10926	10926	10926	
5°	8585	8657	8608	8572	8578	659
15°	1132	1118	1011	1074	1109	374
25°	90	101	116	115	104	55
35°	11	11	10	11	10	8
45°	2	1	1	1	2	2
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10925.7	10925.7	10925.7	10925.7	10925.7	10925.7	10925.7	10925.7	10925.7	10925.7	10925.7
1°	10831.6	10843.7	10859.0	10844.8	10831.6	10843.7	10827.3	10829.5	10816.3	10844.8	10876.5
2°	10555.9	10571.2	10562.5	10542.8	10573.4	10575.6	10541.7	10525.3	10523.1	10551.6	10562.5
3°	10068.0	10103.0	10104.1	10097.5	10087.7	10068.0	10032.9	10055.9	10024.2	10004.5	10116.1
4°	9419.2	9449.8	9485.9	9461.8	9389.6	9396.2	9419.2	9341.5	9345.8	9390.7	9394.0
5°	8585.4	8678.4	8682.8	8648.9	8592.0	8608.4	8592.0	8570.1	8577.8	8606.2	8577.8
6°	7604.0	7709.1	7631.4	7705.8	7689.4	7710.2	7715.6	7692.7	7709.1	7691.6	7686.1
7°	6756.1	6676.2	6687.2	6656.5	6689.4	6711.2	6724.4	6685.0	6716.7	6767.0	6781.3
8°	5704.7	5681.7	5658.7	5713.4	5698.1	5724.4	5740.8	5784.5	5782.3	5797.7	5848.0
9°	4703.6	4737.5	4758.3	4710.1	4751.7	4670.7	4699.2	4816.3	4785.6	4816.3	4906.0
10°	3883.0	3910.3	3879.7	3878.6	3834.8	3781.2	3777.9	3821.7	3913.6	3985.8	3965.0
12.5°	2142.3	2166.3	2169.6	2167.4	2088.6	2000.0	2016.4	2051.4	2108.3	2132.4	2171.8
15°	1132.4	1131.3	1143.3	1109.4	1067.8	1011.0	1015.3	1063.5	1106.1	1117.1	1109.4
17.5°	581.0	583.2	591.9	583.2	539.4	544.9	556.9	562.4	587.5	597.4	591.9
20°	327.1	328.2	327.1	330.4	312.9	317.3	332.6	333.7	339.2	344.6	343.5
22.5°	187.1	188.2	194.8	192.6	188.2	193.7	196.9	202.4	204.6	202.4	209.0
25°	89.7	90.8	90.8	103.9	110.5	116.0	118.2	116.0	113.8	105.0	103.9
27.5°	51.4	51.4	53.6	54.7	56.9	66.7	65.6	54.7	46.0	46.0	47.0
30°	30.6	29.5	29.5	30.6	31.7	32.8	30.6	29.5	29.5	30.6	29.5
32.5°	18.6	18.6	18.6	17.5	17.5	16.4	16.4	18.6	18.6	18.6	18.6
35°	10.9	10.9	10.9	10.9	9.8	9.8	9.8	10.9	10.9	9.8	9.8
37.5°	6.6	6.6	6.6	5.5	5.5	4.4	5.5	5.5	5.5	5.5	5.5
40°	4.4	4.4	3.3	3.3	2.2	2.2	2.2	3.3	3.3	3.3	3.3
42.5°	3.3	3.3	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2	2.2
45°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
47.5°	2.2	2.2	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1	1.1
50°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
52.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
55°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
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	1.1	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)