

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: P1323859

Luminaire Tested: LDSQA3D13R159030D2WDE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323859
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: LDSQA3D13R159030D2WDE010 3LSQPHR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

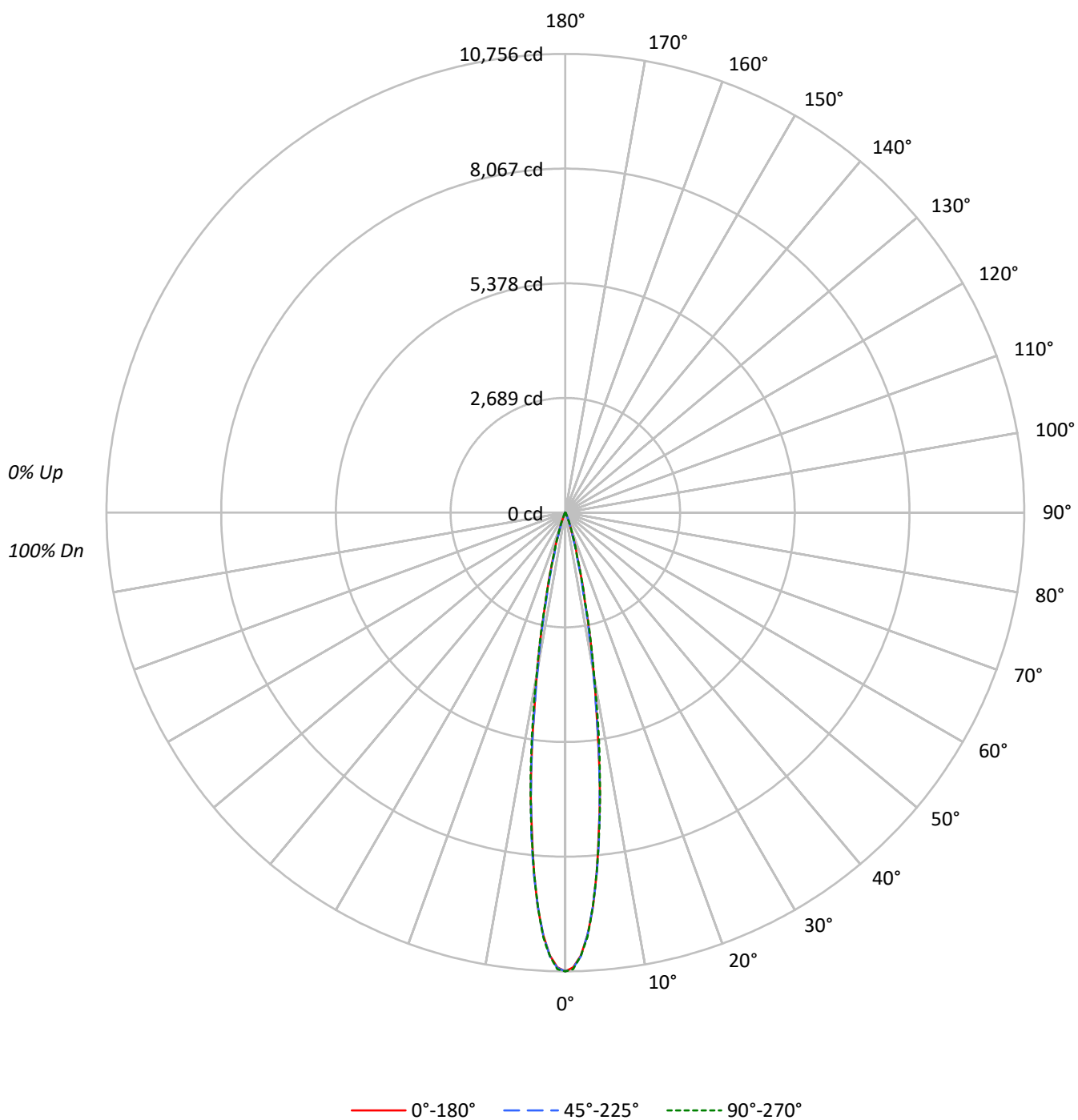
Lumens per Lamp: N/A
Luminaire Lumens: 1077.0 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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

TEST NUMBER: P1323859

CATALOG NUMBER: LDSQA3D13R159030D2WDE010 3LSQPHR1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1323859

CATALOG NUMBER: LDSQA3D13R159030D2WDE010 3LSQPHR1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101
2	113	110	107	105	111	108	106	104	105	104	102		102	101	100		100
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1852427	1852427	1852427
5°	1461186	1465110	1459889
10°	668494	650989	682624
15°	198767	177442	194737
20°	59033	57255	61984
25°	16779	21701	19440
30°	6006	6423	5787
35°	2271	2039	2039
40°	967	495	719
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

TEST NUMBER: P1323859

CATALOG NUMBER: LDSQA3D13R159030D2WDE010 3LSQPHR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.9	60.3
10°-20°	360.8	33.5
20°-30°	57.4	5.3
30°-40°	7.5	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°	1068.1	99.2
0°-40°	1075.6	99.9
0°-60°	1077.0	100.0
0°-90°	1077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1077.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10756	10756	10756	10756	10756	
5°	8452	8523	8475	8439	8444	648
15°	1115	1101	995	1057	1092	368
25°	88	99	114	114	102	54
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	



TEST NUMBER: P1323859

CATALOG NUMBER: LDSQA3D13R159030D2WDE010 3LSQPHR1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10756.0	10756.0	10756.0	10756.0	10756.0	10756.0	10756.0	10756.0	10756.0	10756.0	10756.0
1°	10663.3	10675.2	10690.3	10676.3	10663.3	10675.2	10659.0	10661.2	10648.2	10676.3	10707.5
2°	10391.9	10407.0	10398.4	10379.0	10409.1	10411.3	10377.9	10361.7	10359.6	10387.6	10398.4
3°	9911.5	9946.0	9947.1	9940.6	9930.9	9911.5	9877.0	9899.7	9868.4	9849.0	9958.9
4°	9272.8	9302.9	9338.5	9314.8	9243.7	9250.2	9272.8	9196.3	9200.6	9244.8	9248.0
5°	8452.0	8543.6	8547.9	8514.5	8458.5	8474.7	8458.5	8437.0	8444.5	8472.5	8444.5
6°	7485.9	7589.3	7512.8	7586.0	7569.9	7590.3	7595.7	7573.1	7589.3	7572.0	7566.7
7°	6651.1	6572.5	6583.3	6553.1	6585.4	6607.0	6619.9	6581.1	6612.3	6661.9	6675.9
8°	5616.0	5593.4	5570.8	5624.6	5609.6	5635.4	5651.6	5694.6	5692.5	5707.6	5757.1
9°	4630.5	4663.9	4684.3	4636.9	4677.9	4598.2	4626.2	4741.4	4711.3	4741.4	4829.7
10°	3822.6	3849.6	3819.4	3818.3	3775.2	3722.5	3719.2	3762.3	3852.8	3923.9	3903.4
12.5°	2109.0	2132.7	2135.9	2133.7	2056.2	1968.9	1985.1	2019.6	2075.6	2099.3	2138.1
15°	1114.8	1113.7	1125.6	1092.2	1051.3	995.2	999.6	1046.9	1089.0	1099.7	1092.2
17.5°	571.9	574.1	582.7	574.1	531.0	536.4	548.2	553.6	578.4	588.1	582.7
20°	322.1	323.1	322.1	325.3	308.1	312.4	327.4	328.5	333.9	339.3	338.2
22.5°	184.2	185.3	191.7	189.6	185.3	190.6	193.9	199.3	201.4	199.3	205.7
25°	88.3	89.4	89.4	102.3	108.8	114.2	116.3	114.2	112.0	103.4	102.3
27.5°	50.6	50.6	52.8	53.9	56.0	65.7	64.6	53.9	45.2	45.2	46.3
30°	30.2	29.1	29.1	30.2	31.2	32.3	30.2	29.1	29.1	30.2	29.1
32.5°	18.3	18.3	18.3	17.2	17.2	16.2	16.2	18.3	18.3	18.3	18.3
35°	10.8	10.8	10.8	10.8	9.7	9.7	9.7	10.8	10.8	9.7	9.7
37.5°	6.5	6.5	6.5	5.4	5.4	4.3	5.4	5.4	5.4	5.4	5.4
40°	4.3	4.3	3.2	3.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
42.5°	3.2	3.2	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)