

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P522567

Luminaire Tested: **SQW-F-0U-025D-93050-1D-UNV-STD-W-4 (5000K)**

Issue Date: 5/11/2021

Test Information

Test Method: LM-79-08
Report Number: P522567
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-105-53,
Test Lab: INNOVATION CENTER
Issue Date: 5/11/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: SQW-F-0U-025D-93050-1D-UNV-STD-W-4 (5000K)
Description: CORELITE SQW WALL MOUNTED LED LUMINAIRE
DOWNLIGHT 250 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

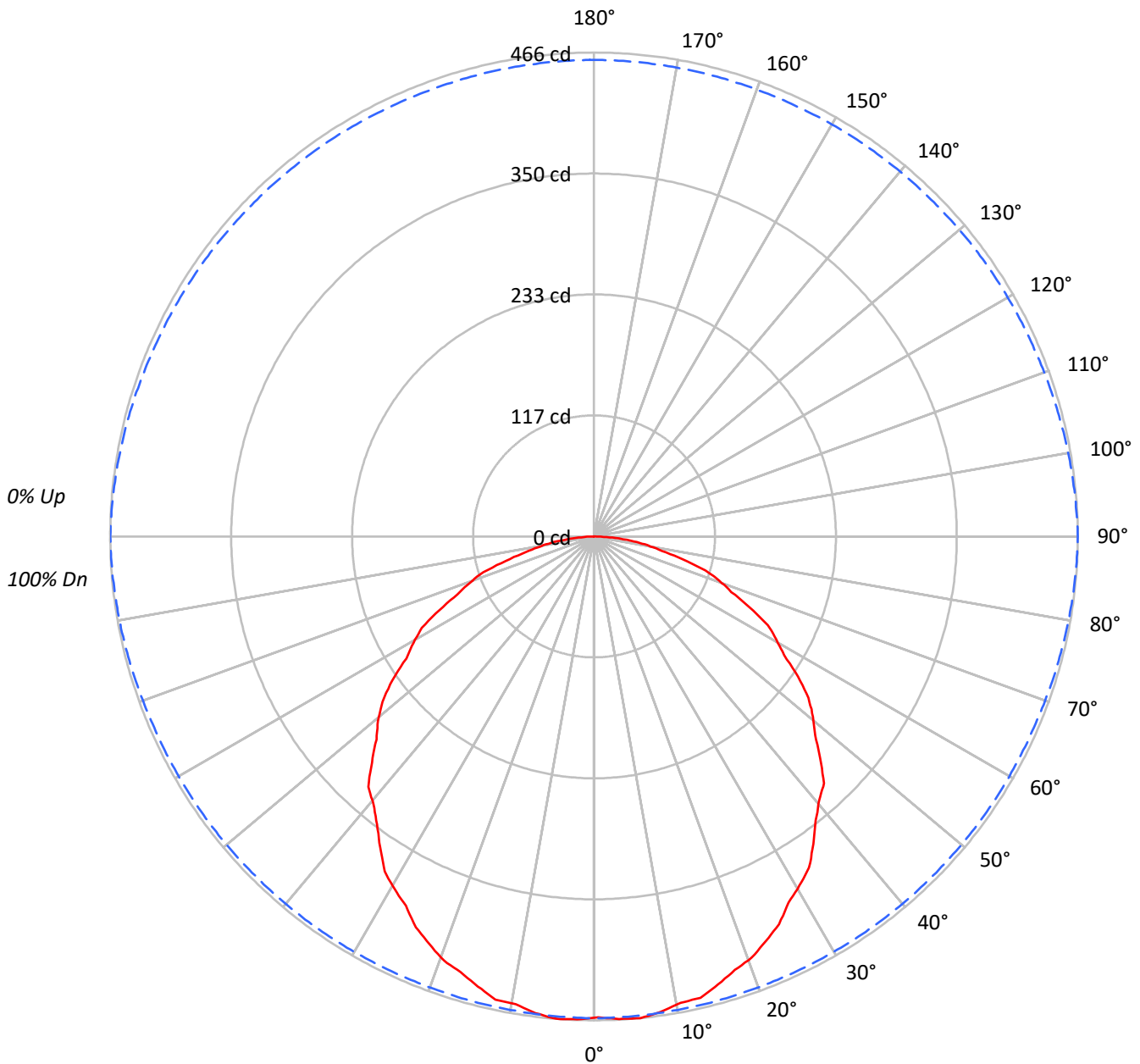
Lumens per Lamp: N/A
Luminaire Lumens: 1287.9 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.26 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14
Input Voltage (V): 120
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: P522567
CATALOG NUMBER: SQW-F-OU-025D-93050-1D-UNV-STD-W-4 (5000K)

Luminous Intensity Polar Plot



— Vertical Plane Through 90° Lateral - - - Horizontal Cone Through 5° Vertical



TEST NUMBER: P522567

CATALOG NUMBER: SQW-F-0U-025D-93050-1D-UNV-STD-W-4 (5000K)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	109	104	100	96	106	102	98	94	97	94	91	94	91	88	90	88	86	84				
2	99	91	84	78	96	89	82	77	85	80	75	82	77	74	79	75	72	70				
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59				
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50				
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43				
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38				
7	65	51	43	36	63	51	42	36	49	42	36	48	41	36	46	40	36	34				
8	60	47	38	33	59	46	38	32	45	38	32	44	37	32	42	36	32	30				
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27				
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	7479	7479	7479
5°	7524	7556	7441
10°	7476	7492	7358
15°	7433	7485	7315
20°	7430	7448	7237
25°	7285	7375	7156
30°	7202	7278	7012
35°	7129	7171	6847
40°	7042	7042	6717
45°	6832	6973	6551
50°	6744	6872	6383
55°	6548	6722	6114
60°	6319	6520	5890
65°	6109	6304	5597
70°	5755	6047	5273
75°	5309	5496	4729
80°	4668	4863	3998
85°	3409	3798	2649



TEST NUMBER: P522567

CATALOG NUMBER: SQW-F-OU-025D-93050-1D-UNV-STD-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	3.4
10°-20°	125.1	9.7
20°-30°	188.0	14.6
30°-40°	224.3	17.4
40°-50°	230.5	17.9
50°-60°	206.8	16.1
60°-70°	156.6	12.2
70°-80°	89.4	6.9
80°-90°	23.4	1.8
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°	356.9	27.7
0°-40°	581.2	45.1
0°-60°	1018.5	79.1
0°-90°	1287.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1287.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	463	463	463	463	463	
5°	464	462	466	459	459	44
15°	445	448	448	444	438	126
25°	409	413	414	409	402	189
35°	362	364	364	356	347	226
45°	299	305	305	294	287	232
55°	233	238	239	226	217	208
65°	160	163	165	154	146	157
75°	85	88	88	81	76	90
85°	18	22	20	17	14	23
90°	0	0	0	0	0	



TEST NUMBER: P522567

CATALOG NUMBER: SQW-F-OU-025D-93050-1D-UNV-STD-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2
2.5°	462.4	463.2	464.8	462.4	465.6	462.4	463.2	461.5	459.1
5°	464.2	462.2	462.2	462.2	466.2	461.2	459.1	458.1	459.1
7.5°	458.5	458.9	458.7	458.4	462.8	454.9	458.1	455.0	455.4
10°	456.0	454.0	457.0	455.0	457.0	454.0	454.0	450.8	448.8
12.5°	453.5	452.3	453.7	450.2	456.2	448.4	447.4	446.8	447.2
15°	444.7	447.7	447.8	444.8	447.8	440.8	443.7	439.6	437.6
17.5°	439.8	436.8	438.2	435.8	439.2	433.4	433.0	428.8	429.4
20°	432.4	429.4	432.4	428.4	433.5	424.4	427.3	422.2	421.2
22.5°	422.6	422.0	425.9	422.6	423.6	418.6	418.3	412.3	411.3
25°	408.9	409.9	413.0	408.0	414.0	406.0	408.9	399.7	401.7
27.5°	397.0	397.2	400.7	398.2	399.4	393.2	393.5	385.7	384.3
30°	386.3	387.3	392.5	388.4	390.4	383.4	385.3	375.1	376.1
32.5°	378.9	376.7	381.0	377.0	380.6	373.6	373.8	366.0	364.6
35°	361.7	361.7	363.8	363.8	363.8	356.8	355.6	348.4	347.4
37.5°	343.9	343.1	350.0	344.8	347.2	341.4	339.2	332.2	331.0
40°	334.1	330.1	336.1	334.1	334.1	329.0	326.9	320.7	318.7
42.5°	320.1	319.3	323.8	322.6	325.0	316.8	314.6	307.6	306.4
45°	299.2	300.2	305.4	303.4	305.4	300.4	294.1	288.9	286.9
47.5°	281.6	280.0	284.9	284.7	286.7	279.1	276.3	268.5	268.1
50°	268.5	268.5	272.6	271.6	273.6	267.6	262.3	256.1	254.1
52.5°	255.4	253.8	258.6	258.4	258.8	253.6	248.4	243.0	241.8
55°	232.6	233.6	237.7	237.8	238.8	233.8	226.5	220.2	217.2
57.5°	211.3	210.7	214.6	215.8	215.8	210.8	204.3	199.2	198.0
60°	195.7	196.7	199.8	201.9	201.9	196.9	189.6	184.4	182.4
62.5°	181.0	181.2	185.1	186.3	187.9	182.1	175.6	170.5	168.5
65°	159.9	158.9	162.9	165.0	165.0	160.0	153.7	148.5	146.5
67.5°	135.9	137.3	140.6	141.8	142.8	136.8	130.8	127.5	126.5
70°	121.9	120.9	125.0	127.1	128.1	122.1	116.8	112.7	111.7
72.5°	107.2	107.0	110.3	112.3	112.5	106.5	102.1	98.7	96.1
75°	85.1	86.1	88.1	88.1	88.1	84.1	81.0	77.8	75.8
77.5°	63.3	64.3	66.2	68.0	67.0	63.4	60.3	57.1	55.3
80°	50.2	51.2	52.3	53.3	52.3	50.3	47.1	44.0	43.0
82.5°	37.1	37.3	40.0	40.1	39.1	37.1	34.8	31.8	31.6
85°	18.4	19.4	21.5	21.5	20.5	19.5	17.4	15.3	14.3
87.5°	4.1	4.9	6.6	8.2	6.6	6.6	4.9	3.3	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)