

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: P511825

Luminaire Tested: **SQW-F-0U-075D-935-1D-UNV-STD-W-4**

Issue Date: 4/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511825  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-105-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: SQW-F-0U-075D-935-1D-UNV-STD-W-4  
Description: CORELITE SQW WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT 750 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

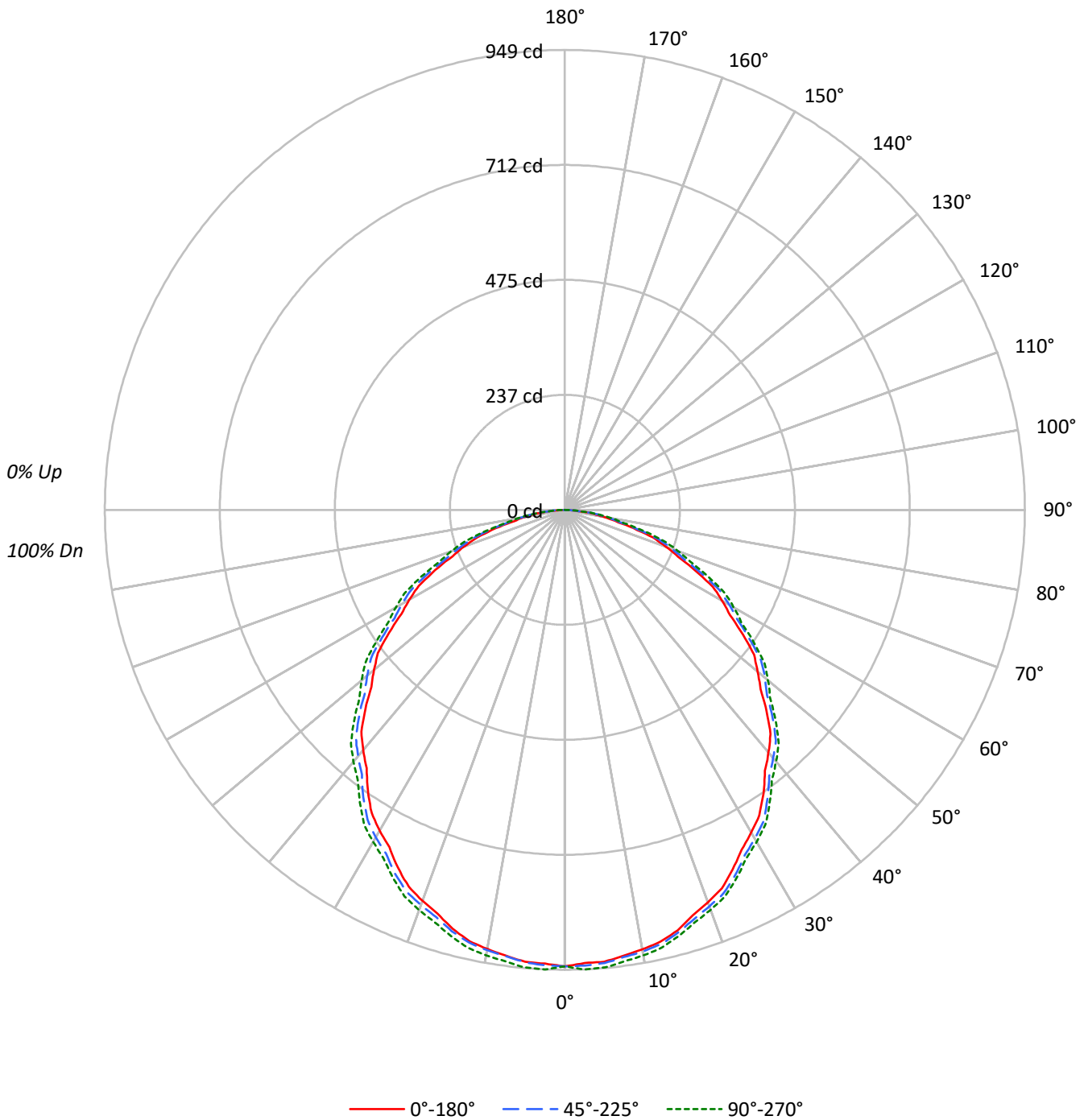
Lumens per Lamp: N/A  
Luminaire Lumens: 2566.7 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.35  
Luminous Opening: Rectangular (W 4' x L: 0.08' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.3  
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



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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	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				100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84				84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70				70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	61	59				59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51				51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44				44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38				38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34				34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	30419	30419	30419
5°	30344	30726	30344
10°	30196	30613	30170
15°	30028	30422	29914
20°	29619	30199	29502
25°	29178	29869	29028
30°	28678	29498	28491
35°	28158	29057	27926
40°	27552	28585	27269
45°	26885	28076	26574
50°	26098	27495	25802
55°	25261	26782	24929
60°	24180	25982	23909
65°	22747	24940	22556
70°	21017	23490	20866
75°	18303	21048	18303
80°	14747	17573	15212
85°	8448	11856	10004



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.0	3.5
10°-20°	253.8	9.9
20°-30°	380.3	14.8
30°-40°	452.1	17.6
40°-50°	462.8	18.0
50°-60°	412.7	16.1
60°-70°	308.3	12.0
70°-80°	168.1	6.5
80°-90°	39.6	1.5
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°	723.1	28.2
0°-40°	1175.2	45.8
0°-60°	2050.7	79.9
0°-90°	2566.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2566.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	942	942	942	942	942	
5°	936	939	948	937	936	89
15°	898	903	910	900	895	253
25°	819	832	838	828	815	377
35°	714	729	737	724	708	446
45°	589	606	615	600	582	454
55°	449	466	476	461	443	400
65°	298	313	326	311	295	295
75°	147	158	169	159	147	157
85°	23	30	32	33	27	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0
2.5°	936.0	940.6	941.4	940.2	949.4	940.9	940.7	940.6	937.3
5°	936.1	936.1	938.7	937.2	947.9	937.2	937.0	935.3	936.1
7.5°	928.4	929.4	931.2	929.6	939.7	928.8	929.4	926.9	928.2
10°	920.9	922.6	925.2	922.9	933.6	922.0	922.6	920.1	920.1
12.5°	912.8	914.5	917.7	914.8	925.5	914.6	914.5	911.3	911.3
15°	898.2	899.8	903.2	900.1	910.0	898.4	899.9	895.6	894.8
17.5°	877.4	880.9	885.4	882.2	892.3	880.6	881.3	875.5	874.1
20°	861.9	866.0	871.2	868.1	878.8	866.4	867.8	859.4	858.5
22.5°	845.7	849.2	856.3	853.2	863.3	851.5	853.0	841.8	841.7
25°	818.9	822.2	831.5	829.2	838.3	826.8	828.2	815.5	814.7
27.5°	790.1	794.3	803.7	801.6	810.6	798.3	799.7	786.0	784.3
30°	769.1	774.1	783.5	782.0	791.1	778.7	780.1	765.7	764.1
32.5°	746.9	753.1	762.6	761.7	770.2	758.4	757.8	744.1	741.8
35°	714.3	719.3	728.7	729.7	737.1	726.4	724.4	710.9	708.4
37.5°	678.6	683.7	693.1	695.2	701.7	691.1	688.0	674.5	671.8
40°	653.6	659.4	668.8	672.3	678.1	668.2	663.7	650.2	646.9
42.5°	628.0	634.4	644.5	648.0	653.1	643.2	638.1	625.2	621.2
45°	588.7	595.3	606.4	610.7	614.8	605.7	599.6	586.0	581.9
47.5°	547.8	554.4	565.9	571.2	574.3	566.9	559.8	546.2	541.3
50°	519.5	526.1	538.9	544.9	547.3	539.9	532.2	518.6	513.6
52.5°	491.8	497.8	510.6	517.2	519.0	512.9	504.5	491.5	485.9
55°	448.7	454.4	466.4	474.0	475.7	470.7	461.3	447.7	442.8
57.5°	404.1	409.9	421.7	430.2	432.0	427.0	416.8	404.9	399.2
60°	374.4	380.2	391.3	399.8	402.3	397.3	387.1	375.2	370.2
62.5°	344.1	348.5	360.3	368.8	372.6	368.3	357.4	344.2	339.9
65°	297.7	302.7	312.9	323.1	326.4	323.1	311.2	299.3	295.2
67.5°	253.0	256.3	265.7	275.7	279.8	276.2	265.5	253.3	250.6
70°	222.6	225.9	235.3	244.7	248.8	243.8	234.5	224.3	221.0
72.5°	190.9	194.2	202.9	212.3	215.7	210.8	202.7	193.9	189.9
75°	146.7	150.0	157.7	165.4	168.7	165.4	158.6	150.9	146.7
77.5°	105.6	108.7	115.4	122.0	123.5	121.3	116.6	109.9	106.8
80°	79.3	81.7	87.7	93.6	94.5	93.6	90.2	84.3	81.8
82.5°	55.7	57.5	63.4	68.0	67.5	69.3	66.0	60.7	58.9
85°	22.8	24.4	29.5	34.5	32.0	36.2	32.9	29.5	27.0
87.5°	2.7	2.7	5.4	9.4	8.8	11.4	8.8	6.7	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)