

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

(formerly Eaton)

Brand: CORELITE

Report Number: P563551

Luminaire Tested: **SQ4-PP3-0U-125D-930-1D-UNV-STD-W-6**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P563551  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-172-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: SQ4-PP3-0U-125D-930-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS.  
DOWNLIGHT 1250 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

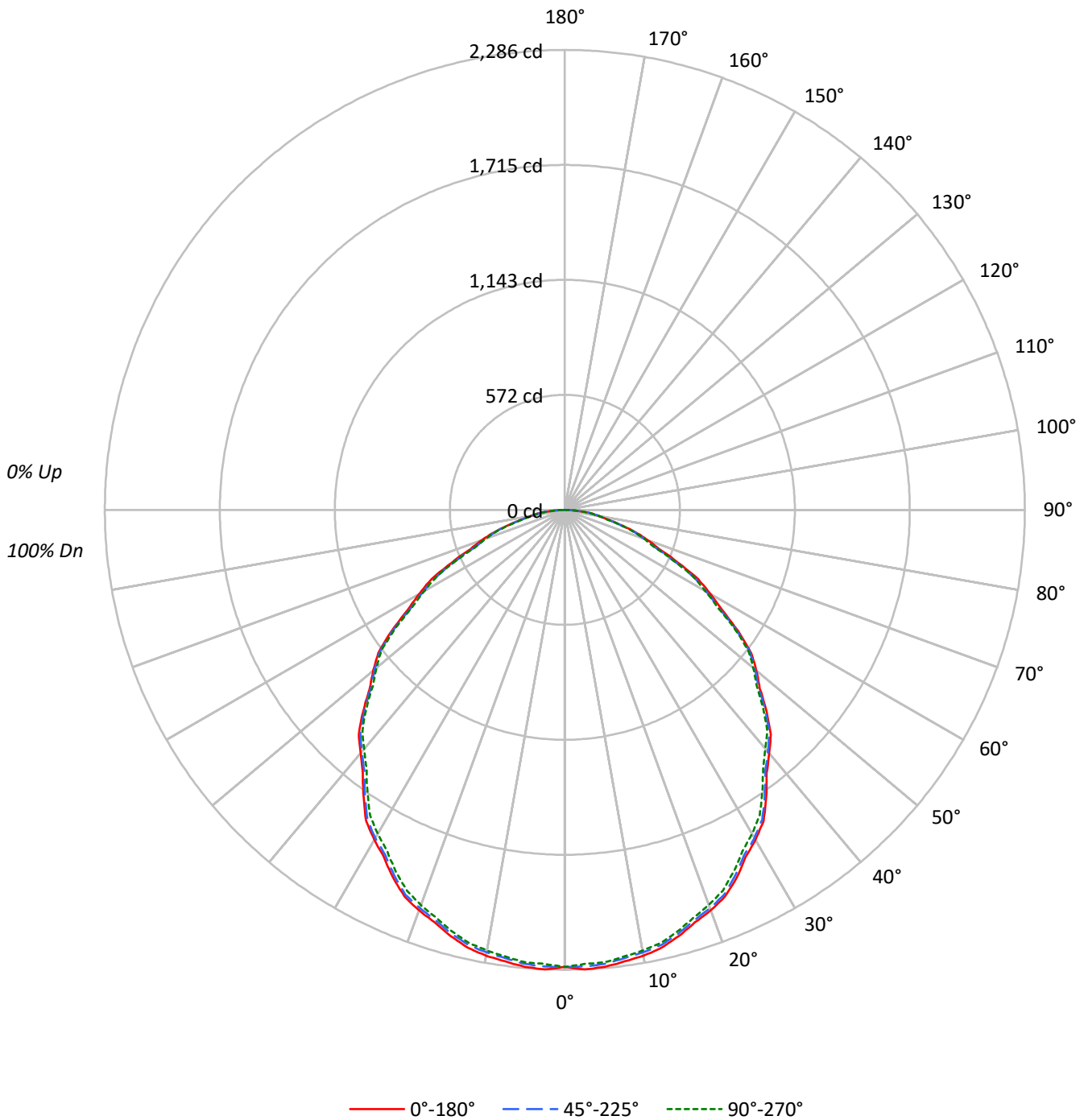
Lumens per Lamp: N/A  
Luminaire Lumens: 5815.0 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33  
Luminous Opening: Rectangular (W 0.29' x L: 6' x H: 0')  
CIE Type: Direct

Input Watts (W): 69.7  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

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

	0°	45°	90°
0°	13975	13975	13975
5°	14077	13991	13942
10°	14053	13953	13892
15°	13960	13884	13808
20°	13867	13790	13685
25°	13703	13608	13473
30°	13449	13379	13209
35°	13097	13007	12843
40°	12678	12599	12454
45°	12332	12246	12124
50°	11889	11813	11699
55°	11275	11125	11039
60°	10263	9969	9920
65°	9042	8665	8636
70°	7807	7485	7485
75°	6721	6626	6531
80°	5926	5997	5855
85°	4637	5060	5060



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.8	3.7
10°-20°	613.4	10.5
20°-30°	918.8	15.8
30°-40°	1077.7	18.5
40°-50°	1081.1	18.6
50°-60°	922.3	15.9
60°-70°	601.5	10.3
70°-80°	301.8	5.2
80°-90°	83.5	1.4
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°	1747.1	30.0
0°-40°	2824.8	48.6
0°-60°	4828.2	83.0
0°-90°	5815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5815.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2272	2272	2272	2272	2272	
5°	2280	2258	2266	2258	2258	217
15°	2192	2171	2180	2172	2168	618
25°	2019	1996	2005	1987	1985	928
35°	1744	1727	1732	1712	1710	1090
45°	1418	1408	1408	1394	1394	1092
55°	1051	1048	1037	1031	1029	934
65°	621	610	595	591	593	620
75°	283	283	279	277	275	307
85°	66	72	72	72	72	80
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2272.0	2272.0	2272.0	2272.0	2272.0
2.5°	2286.3	2267.6	2272.0	2268.6	2259.2
5°	2279.9	2258.5	2266.0	2258.0	2258.0
7.5°	2264.4	2241.0	2248.5	2240.5	2240.1
10°	2250.1	2226.7	2234.1	2226.1	2224.2
12.5°	2229.3	2206.0	2215.0	2205.4	2205.1
15°	2192.3	2170.9	2180.4	2172.3	2168.4
17.5°	2150.5	2127.1	2138.5	2127.4	2125.8
20°	2118.6	2095.3	2106.7	2090.8	2090.8
22.5°	2080.4	2057.0	2070.0	2049.3	2049.3
25°	2019.1	1995.7	2005.1	1987.2	1985.2
27.5°	1946.2	1923.2	1933.1	1912.7	1912.3
30°	1893.6	1872.2	1883.7	1861.7	1859.8
32.5°	1836.3	1816.4	1824.7	1802.8	1800.8
35°	1744.3	1726.8	1732.3	1712.4	1710.4
37.5°	1647.5	1629.6	1636.0	1618.8	1618.0
40°	1579.0	1567.3	1569.1	1555.0	1551.1
42.5°	1515.3	1502.1	1503.8	1489.8	1489.0
45°	1417.7	1408.0	1407.8	1393.8	1393.8
47.5°	1314.2	1306.8	1304.6	1293.1	1292.7
50°	1242.5	1236.7	1234.5	1224.5	1222.6
52.5°	1167.6	1164.9	1158.1	1149.7	1149.3
55°	1051.4	1047.5	1037.4	1031.4	1029.4
57.5°	925.1	917.3	906.0	897.3	898.8
60°	834.3	826.5	810.4	806.4	806.4
62.5°	746.7	737.4	721.2	715.7	718.8
65°	621.3	609.6	595.4	591.4	593.4
67.5°	507.4	496.8	481.5	481.4	479.9
70°	434.1	428.2	416.2	416.2	416.2
72.5°	368.8	366.0	357.2	357.2	355.6
75°	282.8	282.8	278.8	276.7	274.8
77.5°	211.9	212.6	210.7	208.6	205.1
80°	167.3	171.2	169.3	167.2	165.3
82.5°	125.8	129.7	129.4	125.8	125.4
85°	65.7	71.6	71.7	71.7	71.7
87.5°	17.5	23.8	25.5	25.5	27.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)