

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: P563549

Luminaire Tested: **SQ4-PP3-0U-125D-930-1D-UNV-STD-W-12**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P563549  
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-12  
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**

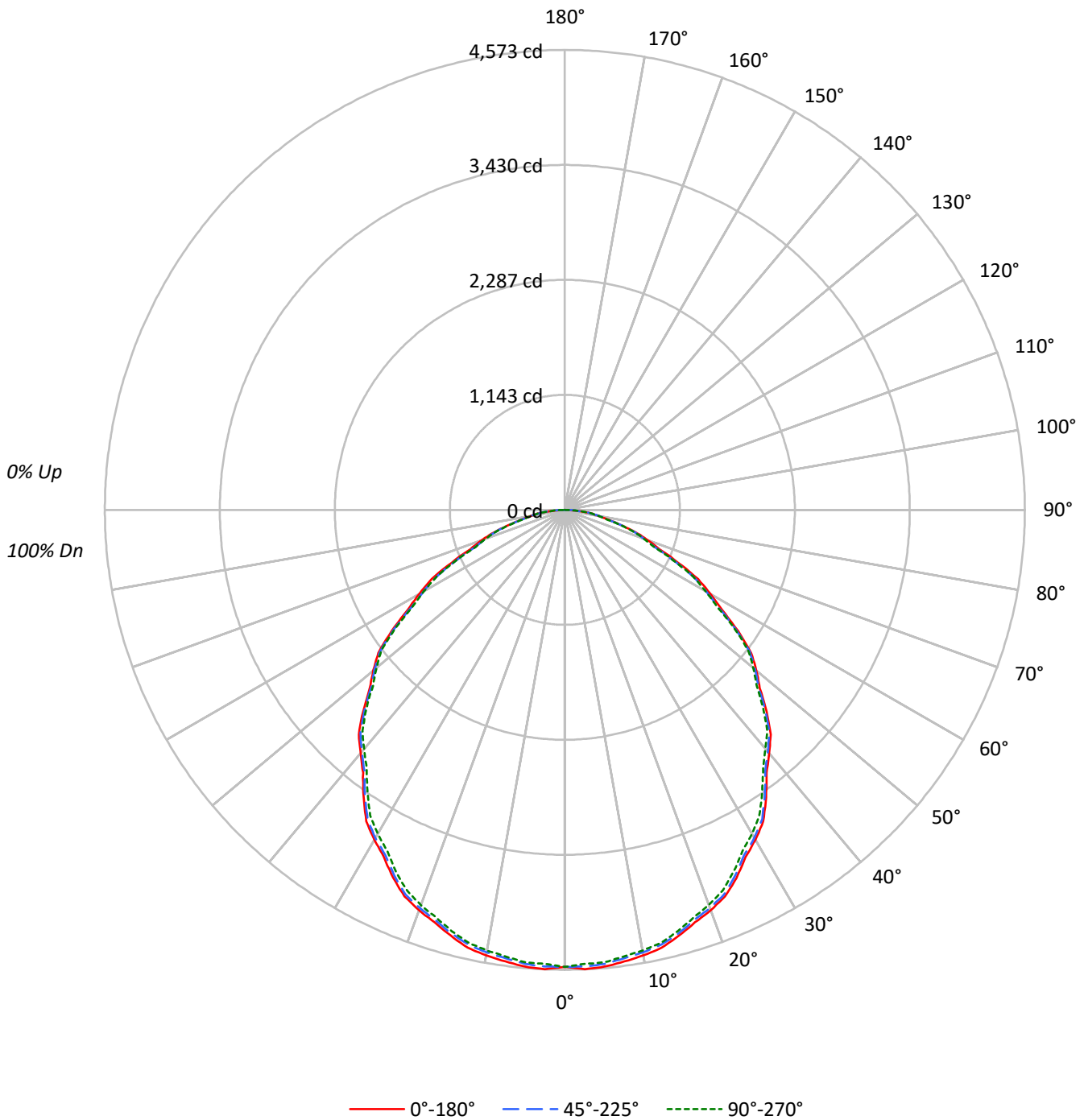
Lumens per Lamp: N/A  
Luminaire Lumens: 11629.9 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33  
Luminous Opening: Rectangular (W 0.29' x L: 12' x H: 0')  
CIE Type: Direct

Input Watts (W): 140.8  
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°	13974	13974	13974
5°	14077	13991	13942
10°	14053	13953	13891
15°	13960	13884	13808
20°	13868	13790	13685
25°	13703	13608	13473
30°	13449	13378	13209
35°	13097	13008	12843
40°	12678	12598	12455
45°	12332	12246	12124
50°	11889	11813	11699
55°	11274	11125	11039
60°	10263	9969	9921
65°	9042	8665	8636
70°	7807	7484	7484
75°	6720	6624	6531
80°	5924	5995	5853
85°	4637	5060	5060



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	429.7	3.7
10°-20°	1226.9	10.5
20°-30°	1837.7	15.8
30°-40°	2155.5	18.5
40°-50°	2162.2	18.6
50°-60°	1844.5	15.9
60°-70°	1202.9	10.3
70°-80°	603.5	5.2
80°-90°	167.0	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°	3494.2	30.0
0°-40°	5649.7	48.6
0°-60°	9656.4	83.0
0°-90°	11629.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11629.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4544	4544	4544	4544	4544	
5°	4560	4517	4532	4516	4516	433
15°	4385	4342	4361	4345	4337	1237
25°	4038	3991	4010	3974	3970	1857
35°	3489	3454	3465	3425	3421	2179
45°	2836	2816	2816	2788	2788	2183
55°	2103	2095	2075	2063	2059	1869
65°	1242	1219	1191	1183	1187	1240
75°	566	566	558	554	550	613
85°	131	143	143	143	143	159
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4543.9	4543.9	4543.9	4543.9	4543.9
2.5°	4572.6	4535.2	4543.9	4537.1	4518.4
5°	4559.8	4517.0	4532.0	4516.0	4516.0
7.5°	4528.8	4482.1	4496.9	4481.0	4480.2
10°	4500.1	4453.4	4468.2	4452.2	4448.3
12.5°	4458.7	4412.0	4430.0	4410.9	4410.1
15°	4384.6	4341.8	4360.7	4344.6	4336.8
17.5°	4301.0	4254.3	4277.1	4254.7	4251.6
20°	4237.3	4190.5	4213.4	4181.5	4181.5
22.5°	4160.8	4114.1	4140.1	4098.7	4098.7
25°	4038.1	3991.4	4010.3	3974.3	3970.4
27.5°	3892.4	3846.4	3866.1	3825.5	3824.7
30°	3787.3	3744.4	3767.3	3723.5	3719.6
32.5°	3672.6	3632.8	3649.5	3605.6	3601.7
35°	3488.6	3453.5	3464.7	3424.8	3420.9
37.5°	3295.0	3259.2	3271.9	3237.7	3236.1
40°	3158.0	3134.7	3138.1	3110.1	3102.3
42.5°	3030.6	3004.1	3007.5	2979.6	2978.0
45°	2835.5	2816.0	2815.6	2787.7	2787.7
47.5°	2628.4	2613.6	2609.3	2586.1	2585.4
50°	2485.0	2473.3	2469.1	2449.1	2445.2
52.5°	2335.3	2329.8	2316.2	2299.4	2298.6
55°	2102.7	2094.9	2074.8	2062.8	2058.9
57.5°	1850.2	1834.6	1812.0	1794.5	1797.7
60°	1668.6	1653.0	1620.8	1612.9	1612.9
62.5°	1493.4	1474.7	1442.4	1431.4	1437.6
65°	1242.5	1219.1	1190.7	1182.9	1186.8
67.5°	1014.7	993.7	962.9	962.9	959.8
70°	868.2	856.5	832.3	832.3	832.3
72.5°	737.5	732.1	714.4	714.4	711.3
75°	565.5	565.5	557.5	553.5	549.6
77.5°	423.7	425.3	421.3	417.2	410.2
80°	334.5	342.3	338.5	334.4	330.5
82.5°	251.7	259.5	258.9	251.7	250.9
85°	131.4	143.1	143.4	143.4	143.4
87.5°	35.0	47.5	51.0	51.0	54.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)