

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: P563525

Luminaire Tested: **SQ4-PP3-0U-100D-930-1D-UNV-STD-W-12**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P563525  
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-100D-930-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS.  
DOWNLIGHT 1000 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

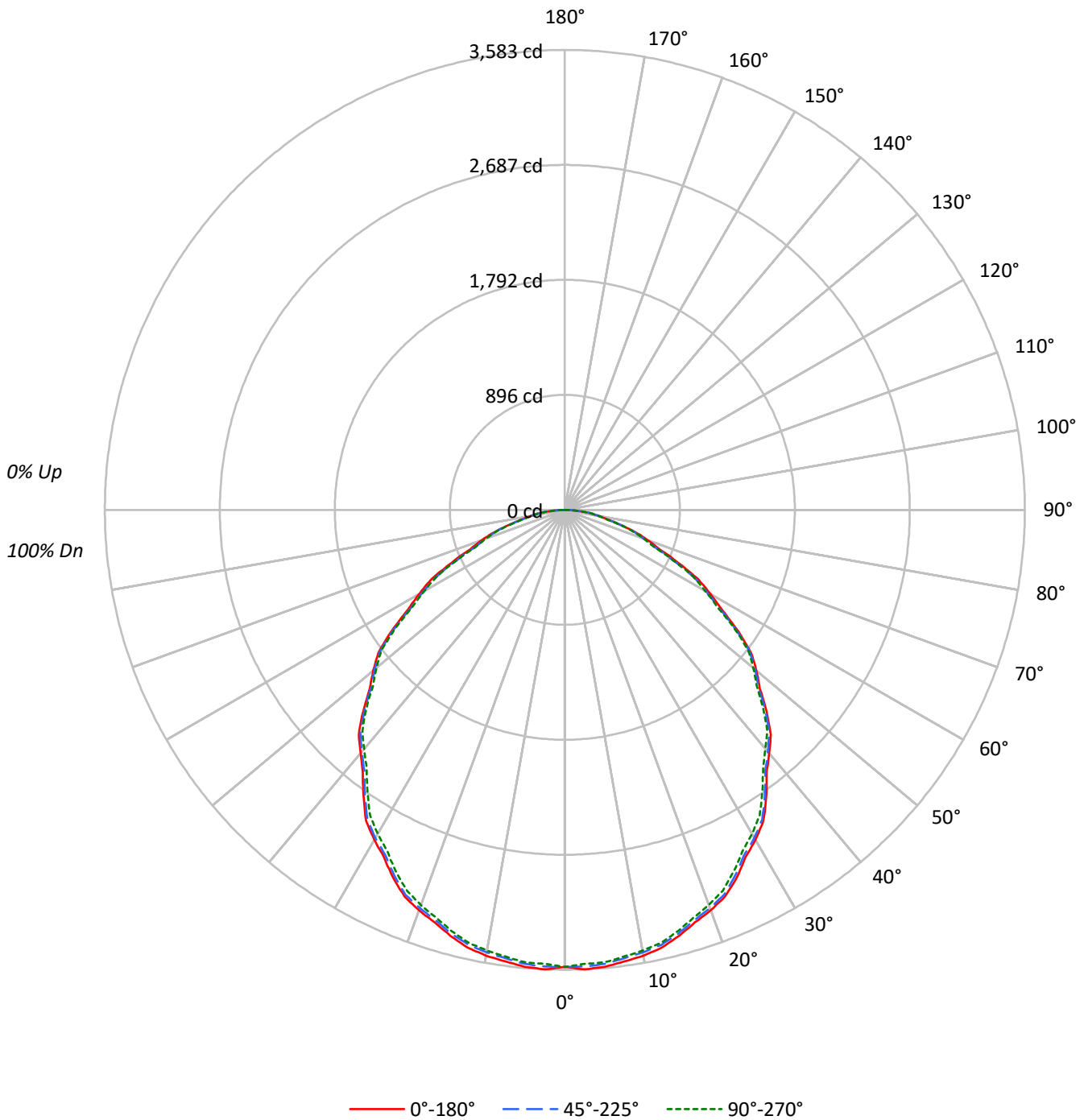
Lumens per Lamp: N/A  
Luminaire Lumens: 9113.4 lumens  
Efficiency: N/A  
Efficacy: 84.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33  
Luminous Opening: Rectangular (W 0.29' x L: 12' x H: 0')  
CIE Type: Direct

Input Watts (W): 108.2  
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°	10951	10951	10951
5°	11031	10963	10925
10°	11012	10934	10886
15°	10940	10880	10820
20°	10867	10806	10724
25°	10738	10664	10558
30°	10539	10484	10351
35°	10263	10193	10064
40°	9935	9872	9760
45°	9664	9596	9501
50°	9317	9257	9168
55°	8835	8718	8651
60°	8043	7812	7774
65°	7085	6790	6768
70°	6117	5864	5864
75°	5265	5191	5118
80°	4642	4699	4587
85°	3634	3963	3963



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	336.7	3.7
10°-20°	961.4	10.5
20°-30°	1440.0	15.8
30°-40°	1689.1	18.5
40°-50°	1694.3	18.6
50°-60°	1445.4	15.9
60°-70°	942.7	10.3
70°-80°	472.9	5.2
80°-90°	130.9	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°	2738.1	30.0
0°-40°	4427.2	48.6
0°-60°	7566.9	83.0
0°-90°	9113.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9113.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3561	3561	3561	3561	3561	
5°	3573	3540	3551	3539	3539	339
15°	3436	3402	3417	3404	3398	969
25°	3164	3128	3142	3114	3111	1455
35°	2734	2706	2715	2684	2681	1708
45°	2222	2207	2206	2184	2184	1711
55°	1648	1642	1626	1616	1613	1464
65°	974	955	933	927	930	972
75°	443	443	437	434	431	481
85°	103	112	112	112	112	125
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3560.7	3560.7	3560.7	3560.7	3560.7
2.5°	3583.2	3553.9	3560.7	3555.4	3540.7
5°	3573.2	3539.6	3551.3	3538.8	3538.8
7.5°	3548.8	3512.2	3523.9	3511.4	3510.8
10°	3526.4	3489.7	3501.4	3488.8	3485.8
12.5°	3493.9	3457.3	3471.4	3456.4	3455.8
15°	3435.9	3402.3	3417.1	3404.5	3398.4
17.5°	3370.3	3333.7	3351.6	3334.1	3331.6
20°	3320.4	3283.8	3301.7	3276.7	3276.7
22.5°	3260.5	3223.9	3244.3	3211.8	3211.8
25°	3164.4	3127.7	3142.5	3114.4	3111.3
27.5°	3050.1	3014.1	3029.5	2997.7	2997.1
30°	2967.8	2934.2	2952.2	2917.8	2914.7
32.5°	2877.9	2846.8	2859.8	2825.4	2822.3
35°	2733.7	2706.2	2715.0	2683.7	2680.7
37.5°	2582.0	2554.0	2563.9	2537.1	2535.9
40°	2474.7	2456.4	2459.1	2437.1	2431.0
42.5°	2374.8	2354.1	2356.7	2334.9	2333.6
45°	2221.9	2206.7	2206.3	2184.5	2184.5
47.5°	2059.6	2048.0	2044.7	2026.6	2025.9
50°	1947.3	1938.1	1934.8	1919.1	1916.1
52.5°	1830.0	1825.7	1815.0	1801.9	1801.3
55°	1647.7	1641.6	1625.9	1616.4	1613.4
57.5°	1449.9	1437.7	1419.9	1406.2	1408.7
60°	1307.6	1295.4	1270.1	1263.9	1263.9
62.5°	1170.3	1155.6	1130.3	1121.7	1126.6
65°	973.6	955.3	933.1	926.9	930.0
67.5°	795.1	778.7	754.6	754.5	752.1
70°	680.3	671.2	652.2	652.2	652.2
72.5°	577.9	573.7	559.8	559.8	557.4
75°	443.1	443.1	436.9	433.7	430.7
77.5°	332.0	333.3	330.2	326.9	321.4
80°	262.1	268.2	265.3	262.1	259.0
82.5°	197.2	203.3	202.8	197.2	196.6
85°	103.0	112.1	112.3	112.3	112.3
87.5°	27.5	37.2	39.9	40.0	42.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)