

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: P563552

Luminaire Tested: **SQ4-PP3-0U-125D-930-1D-UNV-STD-W-8**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P563552  
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-8  
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**

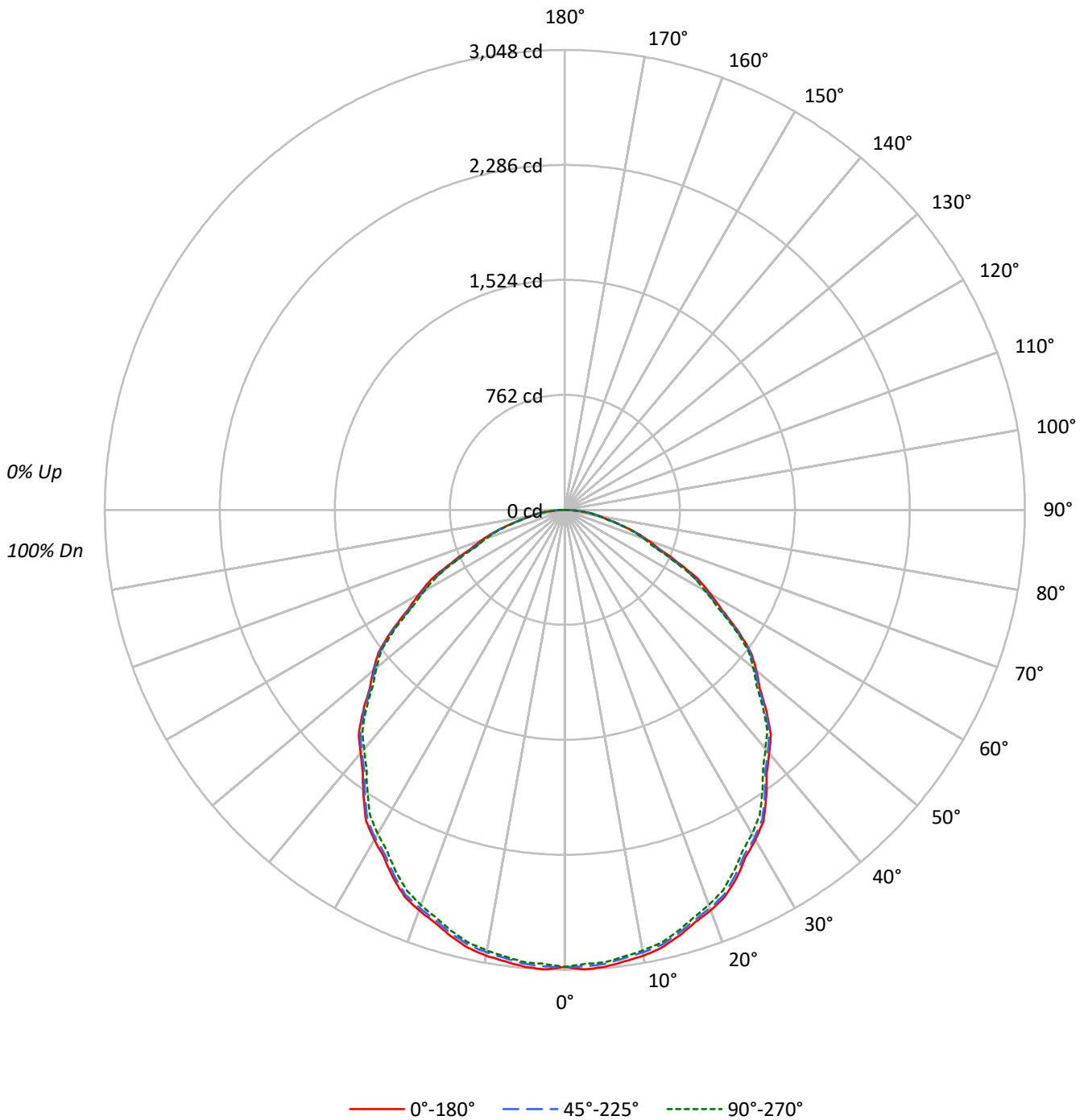
Lumens per Lamp: N/A  
Luminaire Lumens: 7753.3 lumens  
Efficiency: N/A  
Efficacy: 85.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33  
Luminous Opening: Rectangular (W 0.29' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 91.1  
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	13892
15°	13960	13884	13808
20°	13867	13789	13685
25°	13703	13608	13473
30°	13449	13379	13209
35°	13097	13008	12843
40°	12679	12599	12455
45°	12332	12245	12125
50°	11890	11814	11699
55°	11274	11125	11039
60°	10263	9970	9920
65°	9041	8665	8636
70°	7807	7484	7484
75°	6720	6625	6531
80°	5924	5996	5855
85°	4637	5060	5060



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.4	3.7
10°-20°	817.9	10.5
20°-30°	1225.1	15.8
30°-40°	1437.0	18.5
40°-50°	1441.5	18.6
50°-60°	1229.7	15.9
60°-70°	802.0	10.3
70°-80°	402.4	5.2
80°-90°	111.4	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°	2329.5	30.0
0°-40°	3766.4	48.6
0°-60°	6437.6	83.0
0°-90°	7753.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7753.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3029	3029	3029	3029	3029	
5°	3040	3011	3021	3011	3011	289
15°	2923	2894	2907	2896	2891	825
25°	2692	2661	2674	2650	2647	1238
35°	2326	2302	2310	2283	2281	1453
45°	1890	1877	1877	1858	1858	1456
55°	1402	1397	1383	1375	1373	1246
65°	828	813	794	789	791	827
75°	377	377	372	369	366	409
85°	88	95	96	96	96	106
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3029.3	3029.3	3029.3	3029.3	3029.3
2.5°	3048.4	3023.5	3029.3	3024.7	3012.3
5°	3039.9	3011.3	3021.3	3010.7	3010.7
7.5°	3019.2	2988.0	2997.9	2987.3	2986.8
10°	3000.1	2968.9	2978.8	2968.2	2965.6
12.5°	2972.5	2941.3	2953.3	2940.6	2940.1
15°	2923.1	2894.5	2907.1	2896.4	2891.2
17.5°	2867.3	2836.2	2851.4	2836.5	2834.4
20°	2824.8	2793.7	2808.9	2787.7	2787.7
22.5°	2773.9	2742.7	2760.1	2732.5	2732.5
25°	2692.1	2660.9	2673.5	2649.6	2647.0
27.5°	2594.9	2564.3	2577.4	2550.3	2549.8
30°	2524.8	2496.3	2511.6	2482.3	2479.7
32.5°	2448.4	2421.9	2433.0	2403.7	2401.1
35°	2325.7	2302.4	2309.8	2283.2	2280.6
37.5°	2196.7	2172.8	2181.3	2158.4	2157.4
40°	2105.4	2089.8	2092.1	2073.4	2068.2
42.5°	2020.4	2002.7	2005.0	1986.4	1985.4
45°	1890.3	1877.3	1877.0	1858.5	1858.5
47.5°	1752.3	1742.4	1739.5	1724.1	1723.6
50°	1656.7	1648.9	1646.1	1632.7	1630.1
52.5°	1556.9	1553.2	1544.1	1532.9	1532.4
55°	1401.8	1396.6	1383.2	1375.2	1372.6
57.5°	1233.5	1223.1	1208.0	1196.4	1198.4
60°	1112.4	1102.0	1080.6	1075.2	1075.2
62.5°	995.6	983.1	961.6	954.3	958.4
65°	828.3	812.8	793.8	788.6	791.2
67.5°	676.5	662.5	642.0	641.9	639.8
70°	578.8	571.0	554.9	554.9	554.9
72.5°	491.7	488.1	476.3	476.2	474.2
75°	377.0	377.0	371.7	369.0	366.4
77.5°	282.5	283.5	280.9	278.1	273.5
80°	223.0	228.2	225.7	223.0	220.4
82.5°	167.8	173.0	172.6	167.8	167.3
85°	87.6	95.4	95.6	95.6	95.6
87.5°	23.4	31.7	34.0	34.0	36.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)