

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: P564223

Luminaire Tested: **SQ4-PR1-0U-125D-930-1D-UNV-STD-W-6**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P564223
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: SQ4-PR1-0U-125D-930-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE RIPPLE CONTINUOUS LENS.
DOWNLIGHT 1250 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

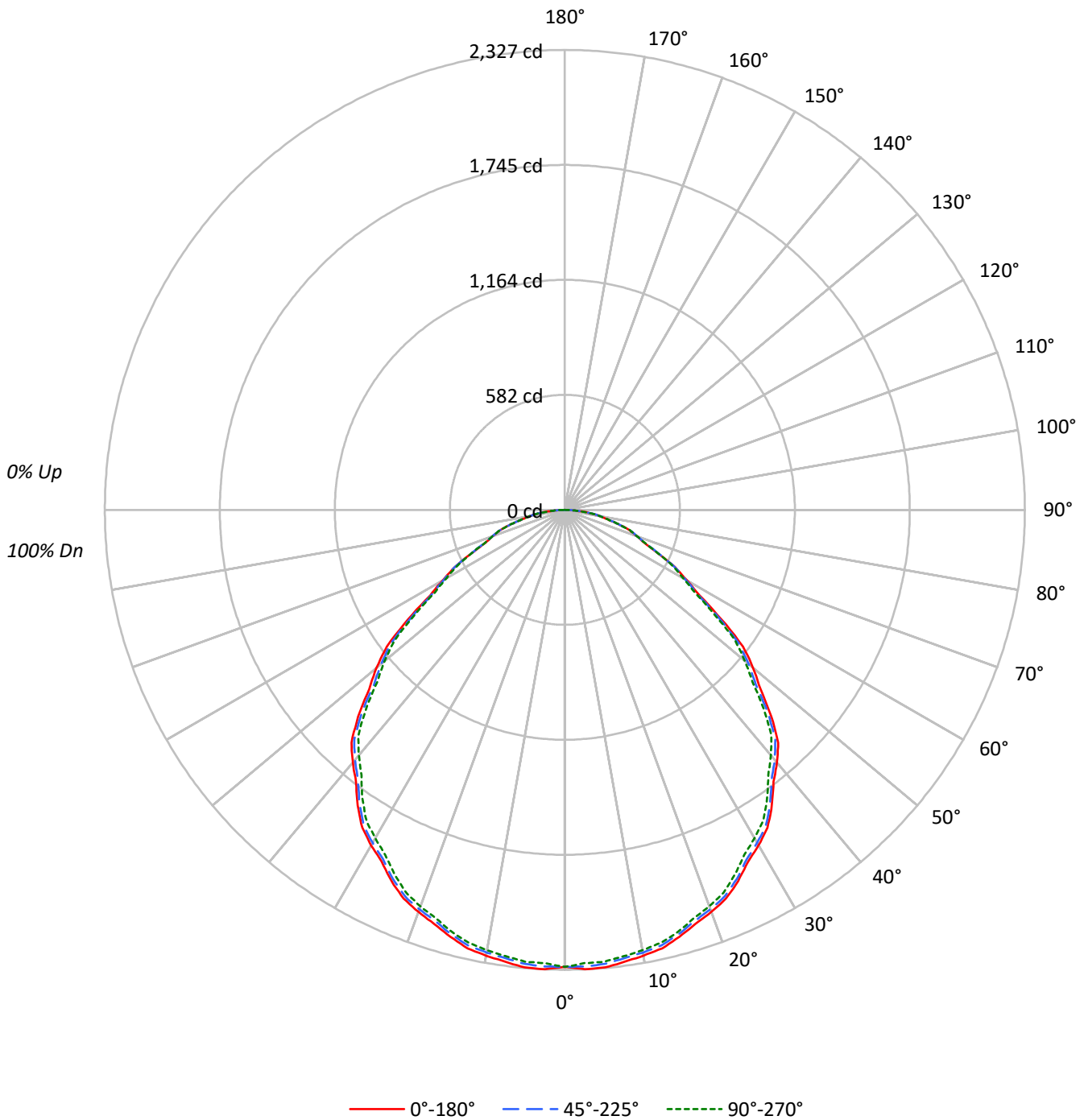
Lumens per Lamp: N/A
Luminaire Lumens: 5780.5 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.35
Luminous Opening: Rectangular (W 0.29' x L: 6' x H: 0')
CIE Type: Direct

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	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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72				72
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62				62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54				54
5	78	66	57	51	76	65	57	50	63	55	50	61	54	49	59	53	49	47				47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41				41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37				37
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33				33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30				30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14222	14222	14222
5°	14351	14240	14166
10°	14305	14206	14131
15°	14242	14154	14077
20°	14170	14079	13975
25°	14071	13976	13814
30°	13919	13820	13622
35°	13714	13594	13399
40°	13401	13257	13017
45°	12855	12629	12369
50°	11892	11606	11377
55°	10379	10145	9931
60°	8746	8673	8502
65°	7565	7594	7536
70°	6949	6985	6985
75°	6673	6673	6721
80°	6280	6347	6280
85°	5060	5625	5625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.7	3.8
10°-20°	625.6	10.8
20°-30°	943.6	16.3
30°-40°	1124.3	19.5
40°-50°	1108.5	19.2
50°-60°	847.2	14.7
60°-70°	524.3	9.1
70°-80°	297.8	5.2
80°-90°	90.6	1.6
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°	1787.9	30.9
0°-40°	2912.3	50.4
0°-60°	4867.9	84.2
0°-90°	5780.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5780.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2312	2312	2312	2312	2312	
5°	2324	2299	2306	2298	2294	221
15°	2237	2213	2223	2215	2211	631
25°	2073	2048	2059	2037	2036	954
35°	1826	1805	1810	1786	1784	1140
45°	1478	1458	1452	1426	1422	1132
55°	968	952	946	930	926	867
65°	520	516	522	518	518	527
75°	281	281	281	283	283	297
85°	72	76	80	80	80	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2312.3	2312.3	2312.3	2312.3	2312.3
2.5°	2326.7	2306.4	2312.3	2307.3	2296.4
5°	2324.3	2299.0	2306.3	2298.3	2294.4
7.5°	2306.3	2281.4	2288.8	2280.8	2278.5
10°	2290.4	2267.0	2274.5	2266.4	2262.5
12.5°	2272.9	2248.0	2257.0	2247.3	2243.4
15°	2236.6	2213.3	2222.7	2214.6	2210.7
17.5°	2196.8	2171.9	2181.3	2172.0	2166.9
20°	2164.9	2141.6	2151.0	2137.0	2135.1
22.5°	2129.9	2106.5	2115.9	2097.2	2096.8
25°	2073.3	2048.0	2059.4	2037.4	2035.5
27.5°	2006.0	1982.6	1992.1	1969.7	1967.4
30°	1959.8	1936.4	1945.9	1921.9	1918.0
32.5°	1907.2	1885.4	1893.3	1869.3	1867.0
35°	1826.4	1804.9	1810.4	1786.5	1784.5
37.5°	1734.3	1714.9	1718.0	1691.7	1689.7
40°	1669.0	1649.5	1651.1	1623.2	1621.2
42.5°	1597.3	1577.8	1576.2	1548.3	1546.3
45°	1477.8	1458.3	1451.9	1425.9	1422.0
47.5°	1341.6	1322.1	1310.1	1288.9	1286.2
50°	1242.8	1223.3	1212.9	1194.9	1189.0
52.5°	1136.0	1116.6	1107.8	1091.3	1085.5
55°	967.9	952.4	946.0	930.0	926.1
57.5°	808.2	797.7	795.9	780.3	778.7
60°	711.0	705.2	705.0	691.1	691.1
62.5°	628.2	623.9	627.0	617.8	616.2
65°	519.8	515.9	521.8	517.8	517.8
67.5°	434.2	434.2	437.8	436.2	436.2
70°	386.4	386.4	388.4	388.4	388.4
72.5°	343.4	341.8	346.9	346.9	345.4
75°	280.8	280.8	280.8	282.8	282.8
77.5°	218.7	219.1	220.7	220.2	218.7
80°	177.3	179.2	179.2	177.3	177.3
82.5°	135.8	137.8	137.8	137.4	135.8
85°	71.7	75.6	79.7	79.7	79.7
87.5°	20.7	26.9	31.9	31.8	30.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)