

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: P523821

Luminaire Tested: **SQ4-PP3-0U-125D-92765-1D-UNV-STD-W-4 (6500K)**

Issue Date: 5/24/2021

Test Information

Test Method: LM-79-2019
Report Number: P523821
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-172-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/24/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: SQ4-PP3-0U-125D-92765-1D-UNV-STD-W-4 (6500K)
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS
DOWNLIGHT 1250 LUMENS PER FOOT
DIRECT ONLY
Light Source: 2700K/65000K CCT, 90 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5362.4 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

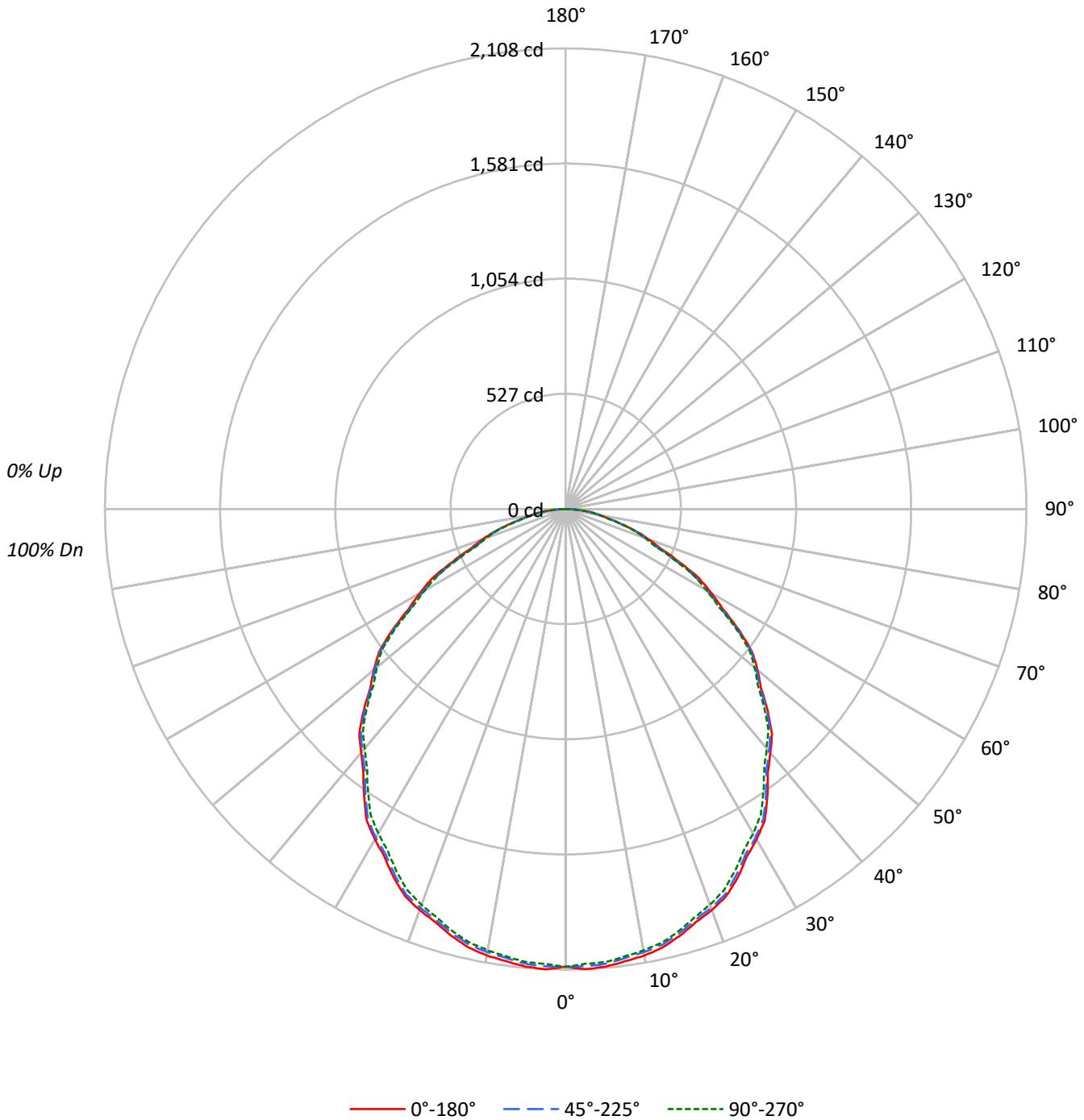
Input Watts (W): 55.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P523821

CATALOG NUMBER: SQ4-PP3-0U-125D-92765-1D-UNV-STD-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P523821

CATALOG NUMBER: SQ4-PP3-0U-125D-92765-1D-UNV-STD-W-4 (6500K)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
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°	19331	19331	19331
5°	19472	19353	19285
10°	19440	19302	19216
15°	19311	19206	19100
20°	19183	19074	18931
25°	18955	18824	18637
30°	18604	18506	18272
35°	18117	17993	17765
40°	17537	17428	17228
45°	17059	16939	16772
50°	16446	16341	16183
55°	15595	15389	15270
60°	14197	13791	13723
65°	12507	11985	11946
70°	10798	10353	10353
75°	9293	9165	9033
80°	8193	8294	8097
85°	6415	6997	6997



TEST NUMBER: P523821

CATALOG NUMBER: SQ4-PP3-OU-125D-92765-1D-UNV-STD-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.1	3.7
10°-20°	565.7	10.5
20°-30°	847.3	15.8
30°-40°	993.9	18.5
40°-50°	997.0	18.6
50°-60°	850.5	15.9
60°-70°	554.7	10.3
70°-80°	278.3	5.2
80°-90°	77.0	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°	1611.1	30.0
0°-40°	2605.0	48.6
0°-60°	4452.5	83.0
0°-90°	5362.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5362.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2095	2095	2095	2095	2095	
5°	2102	2083	2090	2082	2082	200
15°	2022	2002	2011	2003	2000	570
25°	1862	1840	1849	1832	1831	856
35°	1608	1592	1598	1579	1577	1005
45°	1307	1298	1298	1285	1285	1007
55°	970	966	957	951	949	862
65°	573	562	549	545	547	572
75°	261	261	257	255	253	283
85°	61	66	66	66	66	73
90°	0	0	0	0	0	



TEST NUMBER: P523821

CATALOG NUMBER: SQ4-PP3-0U-125D-92765-1D-UNV-STD-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2095.2	2095.2	2095.2	2095.2	2095.2
2.5°	2108.4	2091.1	2095.2	2092.0	2083.4
5°	2102.5	2082.7	2089.6	2082.3	2082.3
7.5°	2088.2	2066.6	2073.5	2066.1	2065.8
10°	2075.0	2053.4	2060.3	2052.9	2051.1
12.5°	2055.9	2034.3	2042.6	2033.8	2033.5
15°	2021.7	2002.0	2010.7	2003.3	1999.7
17.5°	1983.1	1961.6	1972.1	1961.8	1960.4
20°	1953.8	1932.2	1942.7	1928.1	1928.1
22.5°	1918.5	1897.0	1909.0	1889.9	1889.9
25°	1862.0	1840.4	1849.1	1832.5	1830.7
27.5°	1794.7	1773.6	1782.6	1763.9	1763.5
30°	1746.3	1726.5	1737.1	1716.8	1715.1
32.5°	1693.4	1675.1	1682.7	1662.5	1660.7
35°	1608.5	1592.4	1597.5	1579.1	1577.3
37.5°	1519.3	1502.8	1508.7	1492.9	1492.1
40°	1456.1	1445.4	1447.0	1434.0	1430.4
42.5°	1397.4	1385.2	1386.7	1373.9	1373.1
45°	1307.4	1298.4	1298.2	1285.4	1285.4
47.5°	1211.9	1205.1	1203.1	1192.4	1192.1
50°	1145.8	1140.4	1138.5	1129.2	1127.5
52.5°	1076.8	1074.3	1068.0	1060.2	1059.9
55°	969.5	965.9	956.7	951.1	949.3
57.5°	853.1	845.9	835.5	827.4	828.9
60°	769.4	762.2	747.4	743.7	743.7
62.5°	688.6	680.0	665.1	660.0	662.9
65°	572.9	562.1	549.0	545.4	547.2
67.5°	467.9	458.2	444.0	444.0	442.5
70°	400.3	394.9	383.8	383.8	383.8
72.5°	340.1	337.6	329.4	329.4	328.0
75°	260.7	260.7	257.1	255.2	253.4
77.5°	195.4	196.1	194.3	192.4	189.1
80°	154.2	157.8	156.1	154.2	152.4
82.5°	116.1	119.6	119.4	116.0	115.7
85°	60.6	66.0	66.1	66.1	66.1
87.5°	16.2	21.9	23.5	23.5	25.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)