

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: P563496

Luminaire Tested: **SQ4-PP3-0U-075D-835-1D-UNV-STD-W-8**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P563496
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-075D-835-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS.
DOWNLIGHT 750 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5746.2 lumens
Efficiency: N/A
Efficacy: 105.6 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

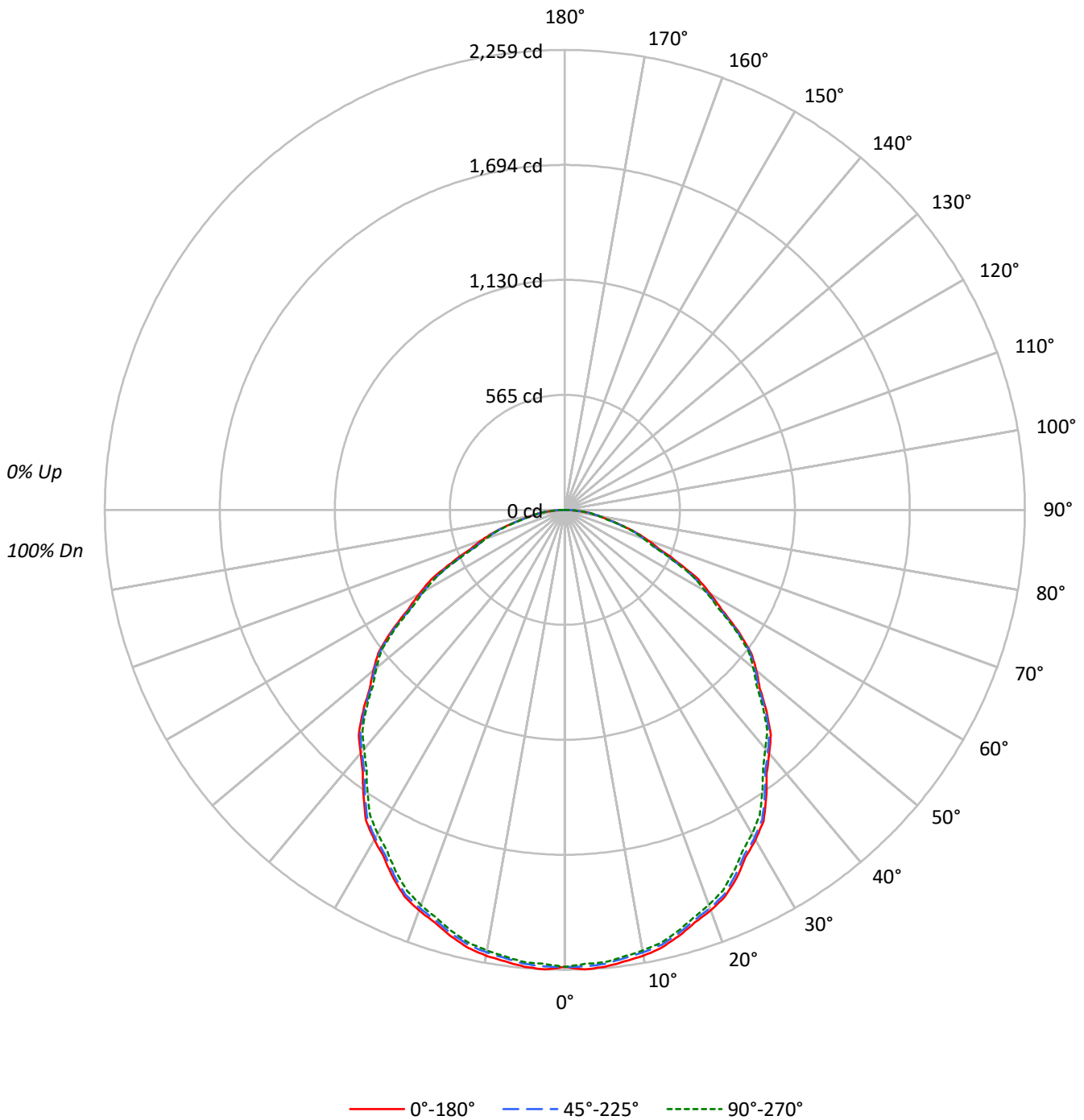
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	10357	10357	10357
5°	10433	10369	10333
10°	10415	10341	10296
15°	10346	10290	10234
20°	10278	10220	10142
25°	10156	10085	9986
30°	9967	9915	9790
35°	9707	9641	9518
40°	9397	9337	9230
45°	9140	9075	8986
50°	8812	8755	8670
55°	8356	8245	8182
60°	7606	7388	7352
65°	6701	6422	6401
70°	5785	5546	5546
75°	4980	4910	4839
80°	4391	4444	4338
85°	3435	3747	3747



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.3	3.7
10°-20°	606.2	10.5
20°-30°	908.0	15.8
30°-40°	1065.0	18.5
40°-50°	1068.3	18.6
50°-60°	911.4	15.9
60°-70°	594.4	10.3
70°-80°	298.2	5.2
80°-90°	82.5	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°	1726.4	30.0
0°-40°	2791.4	48.6
0°-60°	4771.1	83.0
0°-90°	5746.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5746.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2245	2245	2245	2245	2245	
5°	2253	2232	2239	2231	2231	214
15°	2166	2145	2155	2147	2143	611
25°	1995	1972	1981	1964	1962	917
35°	1724	1706	1712	1692	1690	1077
45°	1401	1391	1391	1377	1377	1079
55°	1039	1035	1025	1019	1017	923
65°	614	602	588	584	586	613
75°	279	279	276	274	272	303
85°	65	71	71	71	71	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2245.1	2245.1	2245.1	2245.1	2245.1
2.5°	2259.3	2240.8	2245.1	2241.7	2232.5
5°	2253.0	2231.8	2239.2	2231.3	2231.3
7.5°	2237.6	2214.5	2221.9	2214.0	2213.6
10°	2223.5	2200.4	2207.7	2199.8	2197.9
12.5°	2203.0	2179.9	2188.8	2179.4	2179.0
15°	2166.4	2145.2	2154.6	2146.6	2142.8
17.5°	2125.1	2102.0	2113.3	2102.2	2100.7
20°	2093.6	2070.5	2081.8	2066.0	2066.0
22.5°	2055.8	2032.7	2045.6	2025.1	2025.1
25°	1995.2	1972.1	1981.4	1963.7	1961.8
27.5°	1923.2	1900.5	1910.2	1890.1	1889.7
30°	1871.2	1850.1	1861.4	1839.7	1837.8
32.5°	1814.6	1795.0	1803.2	1781.5	1779.5
35°	1723.7	1706.4	1711.9	1692.1	1690.2
37.5°	1628.0	1610.3	1616.6	1599.7	1598.9
40°	1560.4	1548.8	1550.5	1536.7	1532.8
42.5°	1497.4	1484.3	1486.0	1472.2	1471.4
45°	1401.0	1391.4	1391.1	1377.4	1377.4
47.5°	1298.7	1291.3	1289.2	1277.8	1277.4
50°	1227.8	1222.0	1219.9	1210.1	1208.1
52.5°	1153.8	1151.1	1144.4	1136.1	1135.7
55°	1038.9	1035.1	1025.1	1019.2	1017.3
57.5°	914.2	906.5	895.3	886.7	888.2
60°	824.4	816.8	800.8	796.9	796.9
62.5°	737.9	728.6	712.7	707.2	710.3
65°	613.9	602.4	588.3	584.4	586.4
67.5°	501.4	491.0	475.8	475.7	474.2
70°	428.9	423.2	411.2	411.2	411.2
72.5°	364.4	361.7	353.0	353.0	351.4
75°	279.4	279.4	275.5	273.5	271.5
77.5°	209.4	210.1	208.2	206.1	202.7
80°	165.3	169.1	167.3	165.2	163.3
82.5°	124.4	128.2	127.9	124.3	124.0
85°	64.9	70.7	70.8	70.8	70.8
87.5°	17.3	23.5	25.2	25.2	26.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)