

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: P563501

Luminaire Tested: **SQ4-PP3-0U-075D-930-1D-UNV-STD-W-12**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P563501
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-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS.
DOWNLIGHT 750 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

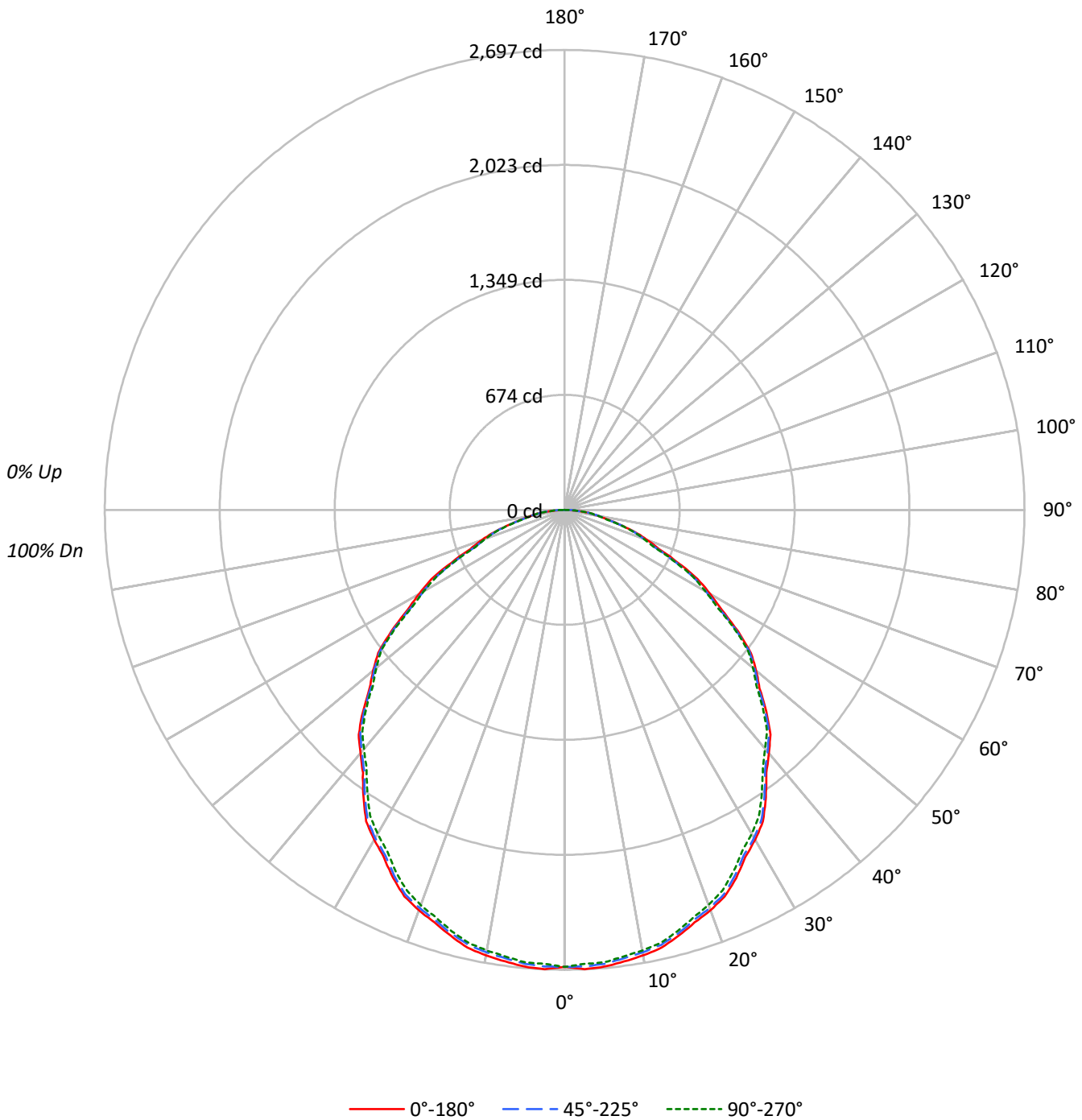
Lumens per Lamp: N/A
Luminaire Lumens: 6858.9 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 12' x H: 0')
CIE Type: Direct

Input Watts (W): 79.4
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	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°	8241	8241	8241
5°	8302	8251	8222
10°	8288	8229	8193
15°	8233	8188	8143
20°	8179	8133	8071
25°	8081	8026	7946
30°	7932	7890	7790
35°	7724	7671	7574
40°	7477	7430	7345
45°	7273	7222	7151
50°	7012	6967	6900
55°	6649	6561	6511
60°	6053	5880	5851
65°	5333	5110	5093
70°	4604	4414	4414
75°	3963	3907	3851
80°	3494	3535	3452
85°	2735	2985	2985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.4	3.7
10°-20°	723.6	10.5
20°-30°	1083.8	15.8
30°-40°	1271.2	18.5
40°-50°	1275.2	18.6
50°-60°	1087.8	15.9
60°-70°	709.5	10.3
70°-80°	355.9	5.2
80°-90°	98.5	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°	2060.7	30.0
0°-40°	3331.9	48.6
0°-60°	5695.0	83.0
0°-90°	6858.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6858.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2680	2680	2680	2680	2680	
5°	2689	2664	2673	2663	2663	255
15°	2586	2561	2572	2562	2558	730
25°	2382	2354	2365	2344	2342	1095
35°	2057	2037	2043	2020	2018	1285
45°	1672	1661	1660	1644	1644	1288
55°	1240	1236	1224	1217	1214	1102
65°	733	719	702	698	700	731
75°	334	334	329	326	324	362
85°	78	84	85	85	85	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2679.8	2679.8	2679.8	2679.8	2679.8
2.5°	2696.7	2674.7	2679.8	2675.8	2664.8
5°	2689.2	2664.0	2672.8	2663.4	2663.4
7.5°	2670.9	2643.3	2652.1	2642.7	2642.2
10°	2654.0	2626.4	2635.2	2625.8	2623.5
12.5°	2629.6	2602.0	2612.7	2601.4	2600.9
15°	2585.9	2560.6	2571.8	2562.3	2557.7
17.5°	2536.6	2509.0	2522.5	2509.3	2507.4
20°	2499.0	2471.4	2484.9	2466.1	2466.1
22.5°	2453.9	2426.3	2441.7	2417.2	2417.2
25°	2381.5	2354.0	2365.1	2343.9	2341.6
27.5°	2295.6	2268.5	2280.1	2256.1	2255.7
30°	2233.6	2208.3	2221.8	2195.9	2193.6
32.5°	2165.9	2142.5	2152.3	2126.4	2124.1
35°	2057.4	2036.8	2043.3	2019.8	2017.5
37.5°	1943.3	1922.2	1929.7	1909.4	1908.5
40°	1862.5	1848.7	1850.7	1834.2	1829.6
42.5°	1787.3	1771.7	1773.7	1757.2	1756.3
45°	1672.2	1660.8	1660.5	1644.1	1644.1
47.5°	1550.1	1541.4	1538.8	1525.2	1524.8
50°	1465.6	1458.7	1456.2	1444.4	1442.1
52.5°	1377.3	1374.0	1366.0	1356.1	1355.6
55°	1240.1	1235.5	1223.7	1216.6	1214.3
57.5°	1091.2	1082.0	1068.6	1058.3	1060.2
60°	984.1	974.9	955.9	951.2	951.2
62.5°	880.7	869.7	850.7	844.2	847.9
65°	732.8	719.0	702.2	697.6	699.9
67.5°	598.4	586.0	567.9	567.9	566.0
70°	512.0	505.1	490.9	490.9	490.9
72.5°	435.0	431.8	421.3	421.3	419.5
75°	333.5	333.5	328.8	326.4	324.1
77.5°	249.9	250.8	248.5	246.0	241.9
80°	197.3	201.9	199.6	197.2	194.9
82.5°	148.4	153.0	152.7	148.4	148.0
85°	77.5	84.4	84.6	84.6	84.6
87.5°	20.7	28.0	30.1	30.1	31.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)