

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: P563504

Luminaire Tested: **SQ4-PP3-0U-075D-930-1D-UNV-STD-W-8**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P563504  
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-8  
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**

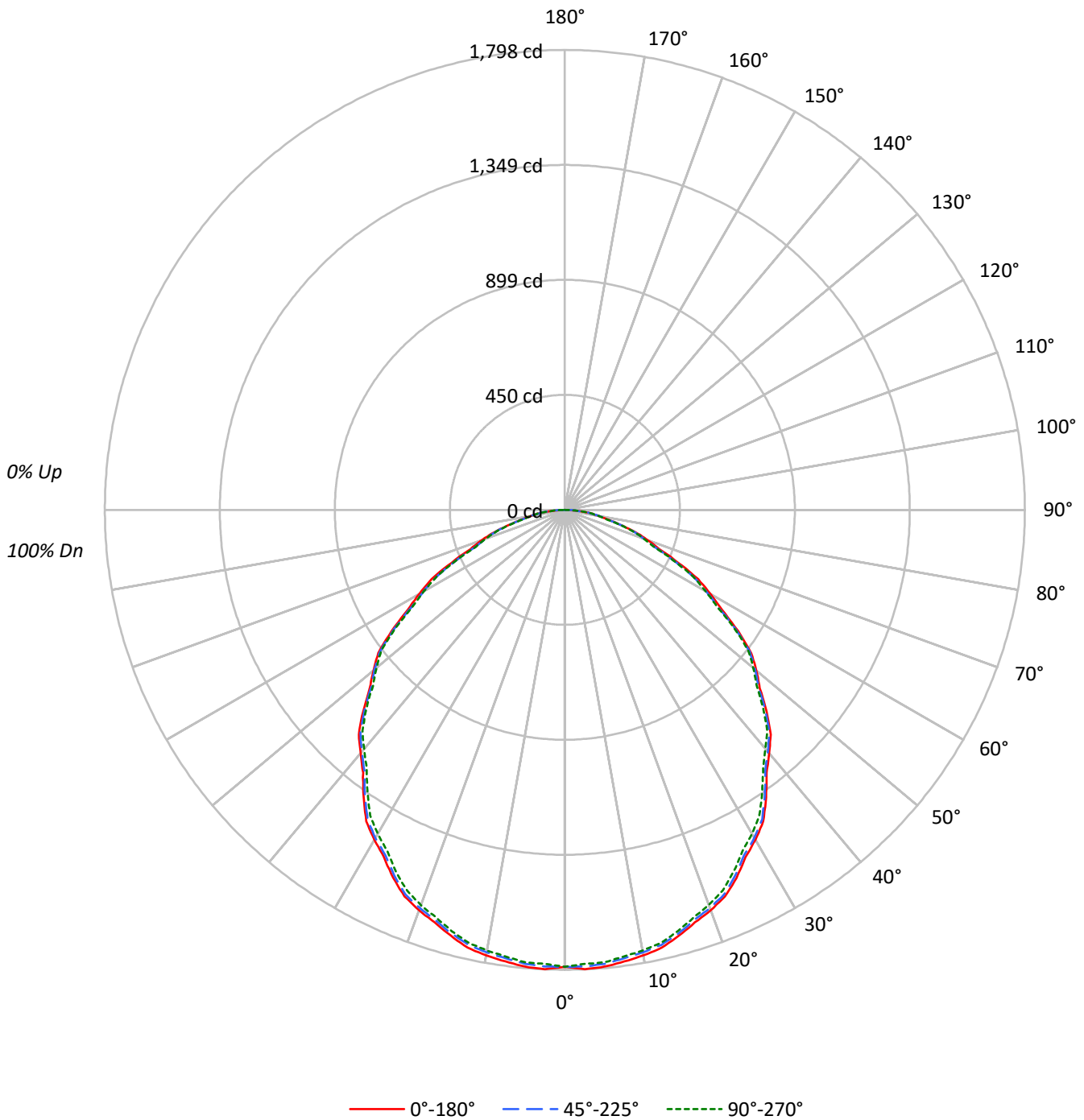
Lumens per Lamp: N/A  
Luminaire Lumens: 4572.6 lumens  
Efficiency: N/A  
Efficacy: 84.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33  
Luminous Opening: Rectangular (W 0.29' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 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	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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72				72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53				53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46				46
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40				40
7	66	53	45	39	65	52	44	39	51	44	38	49	43	38	48	42	38	36				36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32				32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29				29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26				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	8025	7946
30°	7932	7890	7790
35°	7724	7671	7574
40°	7477	7430	7345
45°	7273	7222	7150
50°	7012	6967	6900
55°	6649	6561	6511
60°	6053	5880	5850
65°	5332	5111	5093
70°	4603	4413	4413
75°	3962	3907	3852
80°	3493	3536	3454
85°	2736	2985	2985



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.9	3.7
10°-20°	482.4	10.5
20°-30°	722.5	15.8
30°-40°	847.5	18.5
40°-50°	850.1	18.6
50°-60°	725.2	15.9
60°-70°	473.0	10.3
70°-80°	237.3	5.2
80°-90°	65.7	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°	1373.8	30.0
0°-40°	2221.3	48.6
0°-60°	3796.6	83.0
0°-90°	4572.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4572.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1786	1786	1786	1786	1786	
5°	1793	1776	1782	1776	1776	170
15°	1724	1707	1714	1708	1705	486
25°	1588	1569	1577	1563	1561	730
35°	1372	1358	1362	1346	1345	857
45°	1115	1107	1107	1096	1096	858
55°	827	824	816	811	810	735
65°	488	479	468	465	467	488
75°	222	222	219	218	216	241
85°	52	56	56	56	56	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1786.5	1786.5	1786.5	1786.5	1786.5
2.5°	1797.8	1783.1	1786.5	1783.9	1776.5
5°	1792.8	1776.0	1781.9	1775.6	1775.6
7.5°	1780.6	1762.2	1768.1	1761.8	1761.5
10°	1769.3	1751.0	1756.8	1750.5	1749.0
12.5°	1753.0	1734.7	1741.8	1734.2	1733.9
15°	1723.9	1707.1	1714.5	1708.2	1705.1
17.5°	1691.0	1672.7	1681.6	1672.8	1671.6
20°	1666.0	1647.6	1656.6	1644.1	1644.1
22.5°	1635.9	1617.5	1627.8	1611.5	1611.5
25°	1587.7	1569.3	1576.7	1562.6	1561.1
27.5°	1530.4	1512.3	1520.1	1504.1	1503.8
30°	1489.1	1472.2	1481.2	1464.0	1462.4
32.5°	1444.0	1428.3	1434.9	1417.6	1416.1
35°	1371.6	1357.8	1362.2	1346.5	1345.0
37.5°	1295.5	1281.4	1286.4	1273.0	1272.3
40°	1241.7	1232.5	1233.8	1222.8	1219.7
42.5°	1191.6	1181.1	1182.5	1171.5	1170.9
45°	1114.8	1107.2	1107.0	1096.0	1096.0
47.5°	1033.4	1027.6	1025.9	1016.8	1016.5
50°	977.0	972.4	970.8	962.9	961.4
52.5°	918.2	916.0	910.7	904.1	903.8
55°	826.7	823.7	815.8	811.0	809.5
57.5°	727.5	721.3	712.4	705.6	706.8
60°	656.1	649.9	637.3	634.1	634.1
62.5°	587.2	579.8	567.1	562.8	565.2
65°	488.5	479.3	468.2	465.1	466.6
67.5°	399.0	390.7	378.6	378.6	377.4
70°	341.3	336.7	327.2	327.2	327.2
72.5°	290.0	287.8	280.9	280.9	279.6
75°	222.3	222.3	219.2	217.6	216.1
77.5°	166.6	167.2	165.7	164.0	161.3
80°	131.5	134.6	133.1	131.5	130.0
82.5°	99.0	102.0	101.8	98.9	98.6
85°	51.7	56.3	56.4	56.4	56.4
87.5°	13.8	18.7	20.0	20.1	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)