

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: P561610

Luminaire Tested: **SQ4-PC3-0U-125D-92765-1D-UNV-STD-W-4 (3500K)**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P561610  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: SQ4-PC3-0U-125D-92765-1D-UNV-STD-W-4 (3500K)  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PYRAMID CONTINUOUS LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 2700K/65000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

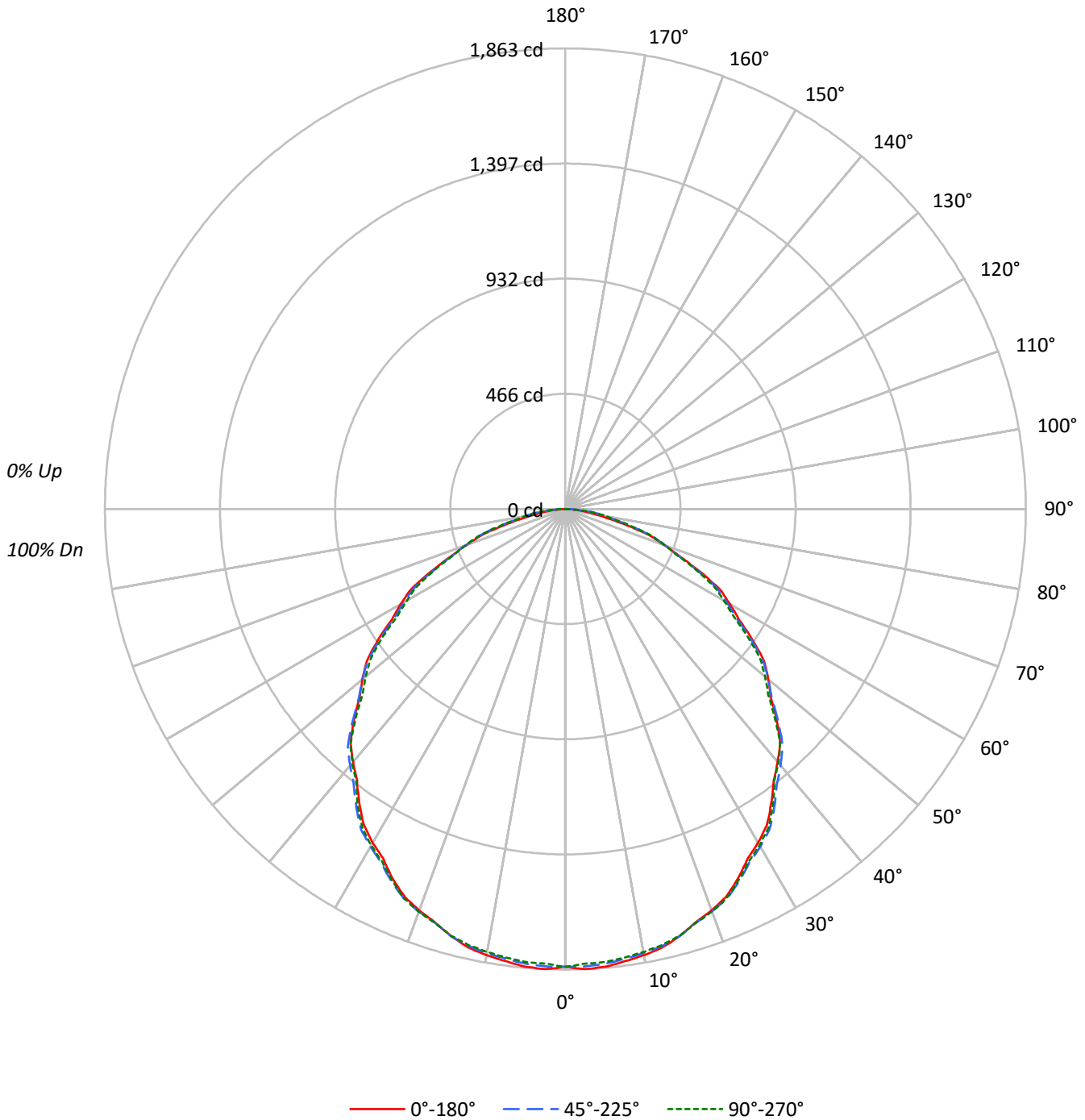
Lumens per Lamp: N/A  
Luminaire Lumens: 5054.1 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 55.8  
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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	17086	17086	17086
5°	17214	17103	17040
10°	17173	17092	17044
15°	17082	17082	17066
20°	16970	17021	17021
25°	16810	16932	16879
30°	16606	16806	16733
35°	16359	16609	16494
40°	16088	16315	16150
45°	15796	15908	15661
50°	15383	15383	15136
55°	14893	14700	14480
60°	14175	13891	13670
65°	13101	12839	12728
70°	11470	11564	11519
75°	9229	10209	10270
80°	6562	8655	8745
85°	3991	7262	7262



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.3	3.5
10°-20°	502.9	10.0
20°-30°	761.6	15.1
30°-40°	913.1	18.1
40°-50°	931.1	18.4
50°-60°	812.8	16.1
60°-70°	581.9	11.5
70°-80°	299.7	5.9
80°-90°	75.8	1.5
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°	1439.9	28.5
0°-40°	2353.0	46.6
0°-60°	4096.8	81.1
0°-90°	5054.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5054.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1852	1852	1852	1852	1852	
5°	1859	1840	1847	1842	1840	176
15°	1788	1773	1788	1788	1787	504
25°	1651	1640	1663	1658	1658	760
35°	1452	1449	1475	1464	1464	908
45°	1211	1207	1219	1204	1200	932
55°	926	914	914	900	900	825
65°	600	587	588	583	583	594
75°	259	271	286	288	288	280
85°	38	58	69	70	69	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1851.9	1851.9	1851.9	1851.9	1851.9
2.5°	1862.9	1846.8	1851.9	1847.6	1840.9
5°	1858.7	1840.3	1846.7	1841.6	1839.9
7.5°	1845.4	1826.9	1835.4	1832.0	1830.3
10°	1833.0	1814.6	1824.4	1821.0	1819.3
12.5°	1816.6	1799.5	1810.7	1807.3	1807.0
15°	1788.4	1773.4	1788.4	1788.4	1786.7
17.5°	1753.1	1739.4	1755.5	1756.5	1755.5
20°	1728.4	1713.3	1733.6	1731.9	1733.6
22.5°	1698.2	1685.8	1707.5	1703.1	1704.8
25°	1651.3	1639.5	1663.3	1658.1	1658.1
27.5°	1595.7	1587.3	1613.2	1607.7	1607.7
30°	1558.7	1550.3	1577.5	1570.7	1570.7
32.5°	1517.5	1511.8	1537.8	1529.5	1529.5
35°	1452.4	1449.0	1474.6	1464.4	1464.4
37.5°	1385.1	1382.1	1405.4	1392.9	1388.9
40°	1335.8	1334.1	1354.6	1340.9	1340.9
42.5°	1286.4	1284.7	1302.5	1286.0	1286.0
45°	1210.6	1207.2	1219.2	1203.6	1200.3
47.5°	1127.9	1124.6	1132.1	1115.2	1113.5
50°	1071.7	1068.3	1071.7	1056.2	1054.5
52.5°	1014.1	1008.0	1008.6	993.2	992.8
55°	925.9	914.2	913.9	900.2	900.2
57.5°	832.7	817.2	818.6	806.9	805.2
60°	768.2	751.4	752.8	742.4	740.8
62.5°	705.1	685.6	689.7	678.0	677.7
65°	600.1	586.7	588.1	583.0	583.0
67.5°	499.3	486.9	495.9	491.8	491.4
70°	425.2	416.9	428.7	428.6	427.0
72.5°	356.7	356.3	371.1	371.1	372.1
75°	258.9	270.7	286.4	288.1	288.1
77.5°	172.8	193.6	210.9	211.6	211.3
80°	123.5	146.9	162.9	166.3	164.6
82.5°	83.7	108.5	121.7	125.1	123.5
85°	37.7	57.8	68.6	70.3	68.6
87.5°	11.0	23.0	27.4	27.4	24.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)