

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: P561608

Luminaire Tested: **SQ4-PC3-0U-125D-92765-1D-UNV-STD-W-4 (2700K)**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P561608
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 (2700K)
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 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4835.5 lumens
Efficiency: N/A
Efficacy: 87.0 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

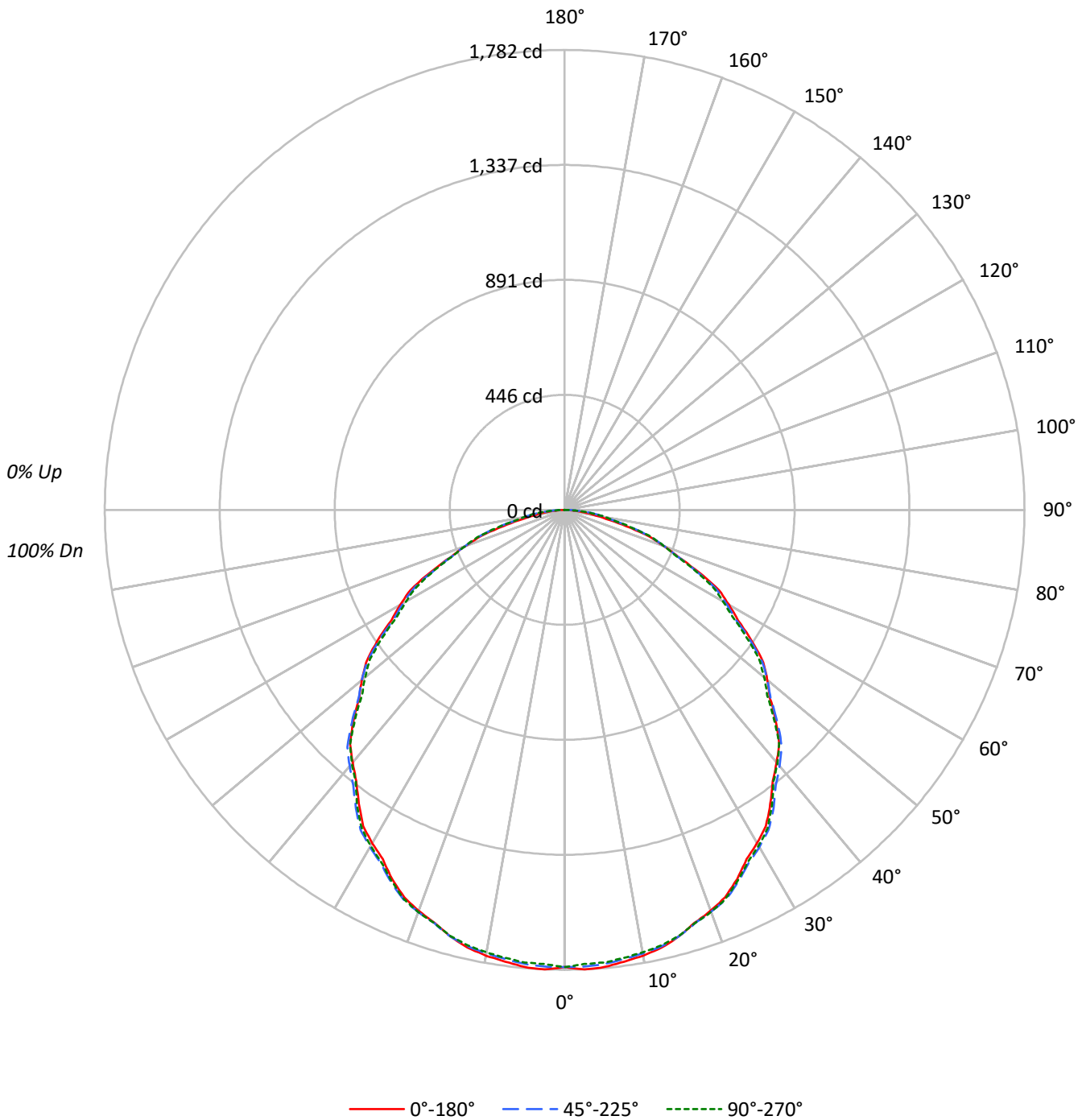
Input Watts (W): 55.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	16347	16347	16347
5°	16470	16363	16303
10°	16430	16353	16307
15°	16344	16344	16328
20°	16236	16285	16285
25°	16082	16199	16150
30°	15887	16079	16009
35°	15650	15891	15780
40°	15392	15609	15451
45°	15112	15219	14984
50°	14717	14717	14481
55°	14250	14065	13854
60°	13563	13289	13077
65°	12535	12284	12177
70°	10976	11063	11020
75°	8830	9767	9824
80°	6275	8278	8368
85°	3822	6944	6944



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.7	3.5
10°-20°	481.2	10.0
20°-30°	728.7	15.1
30°-40°	873.6	18.1
40°-50°	890.8	18.4
50°-60°	777.6	16.1
60°-70°	556.7	11.5
70°-80°	286.7	5.9
80°-90°	72.5	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°	1377.6	28.5
0°-40°	2251.2	46.6
0°-60°	3919.6	81.1
0°-90°	4835.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4835.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1772	1772	1772	1772	1772	
5°	1778	1761	1767	1762	1760	169
15°	1711	1697	1711	1711	1709	482
25°	1580	1569	1591	1586	1586	727
35°	1390	1386	1411	1401	1401	869
45°	1158	1155	1166	1152	1148	892
55°	886	875	874	861	861	790
65°	574	561	563	558	558	568
75°	248	259	274	276	276	268
85°	36	55	66	67	66	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1771.8	1771.8	1771.8	1771.8	1771.8
2.5°	1782.3	1766.9	1771.8	1767.7	1761.3
5°	1778.3	1760.7	1766.8	1761.9	1760.3
7.5°	1765.5	1747.9	1756.0	1752.7	1751.1
10°	1753.7	1736.1	1745.5	1742.2	1740.6
12.5°	1738.0	1721.6	1732.4	1729.1	1728.8
15°	1711.1	1696.6	1711.1	1711.0	1709.4
17.5°	1677.3	1664.1	1679.6	1680.5	1679.6
20°	1653.6	1639.2	1658.6	1657.0	1658.6
22.5°	1624.8	1612.9	1633.6	1629.4	1631.0
25°	1579.8	1568.6	1591.3	1586.4	1586.4
27.5°	1526.7	1518.7	1543.4	1538.2	1538.2
30°	1491.2	1483.2	1509.3	1502.7	1502.7
32.5°	1451.9	1446.4	1471.2	1463.3	1463.3
35°	1389.5	1386.3	1410.9	1401.0	1401.0
37.5°	1325.2	1322.3	1344.6	1332.7	1328.8
40°	1278.0	1276.4	1296.0	1282.9	1282.9
42.5°	1230.7	1229.1	1246.1	1230.4	1230.4
45°	1158.2	1155.0	1166.4	1151.6	1148.4
47.5°	1079.1	1075.9	1083.1	1067.0	1065.4
50°	1025.3	1022.1	1025.3	1010.5	1008.9
52.5°	970.2	964.4	965.0	950.2	949.9
55°	885.9	874.7	874.4	861.3	861.3
57.5°	796.6	781.9	783.2	772.0	770.4
60°	735.0	718.9	720.2	710.3	708.7
62.5°	674.6	656.0	659.8	648.7	648.3
65°	574.2	561.4	562.7	557.8	557.8
67.5°	477.7	465.9	474.4	470.5	470.2
70°	406.9	398.8	410.1	410.1	408.5
72.5°	341.2	340.9	355.0	355.0	356.0
75°	247.7	258.9	274.0	275.6	275.6
77.5°	165.4	185.3	201.8	202.4	202.1
80°	118.1	140.6	155.8	159.1	157.5
82.5°	80.1	103.8	116.5	119.7	118.1
85°	36.1	55.3	65.6	67.2	65.6
87.5°	10.5	22.0	26.2	26.2	23.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)