

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: P562883

Luminaire Tested: **SQ4-PC3-0U-125D-935-1D-UNV-STD-W-6**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P562883
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-935-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PYRAMID CONTINUOUS LENS.
DOWNLIGHT 1250 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

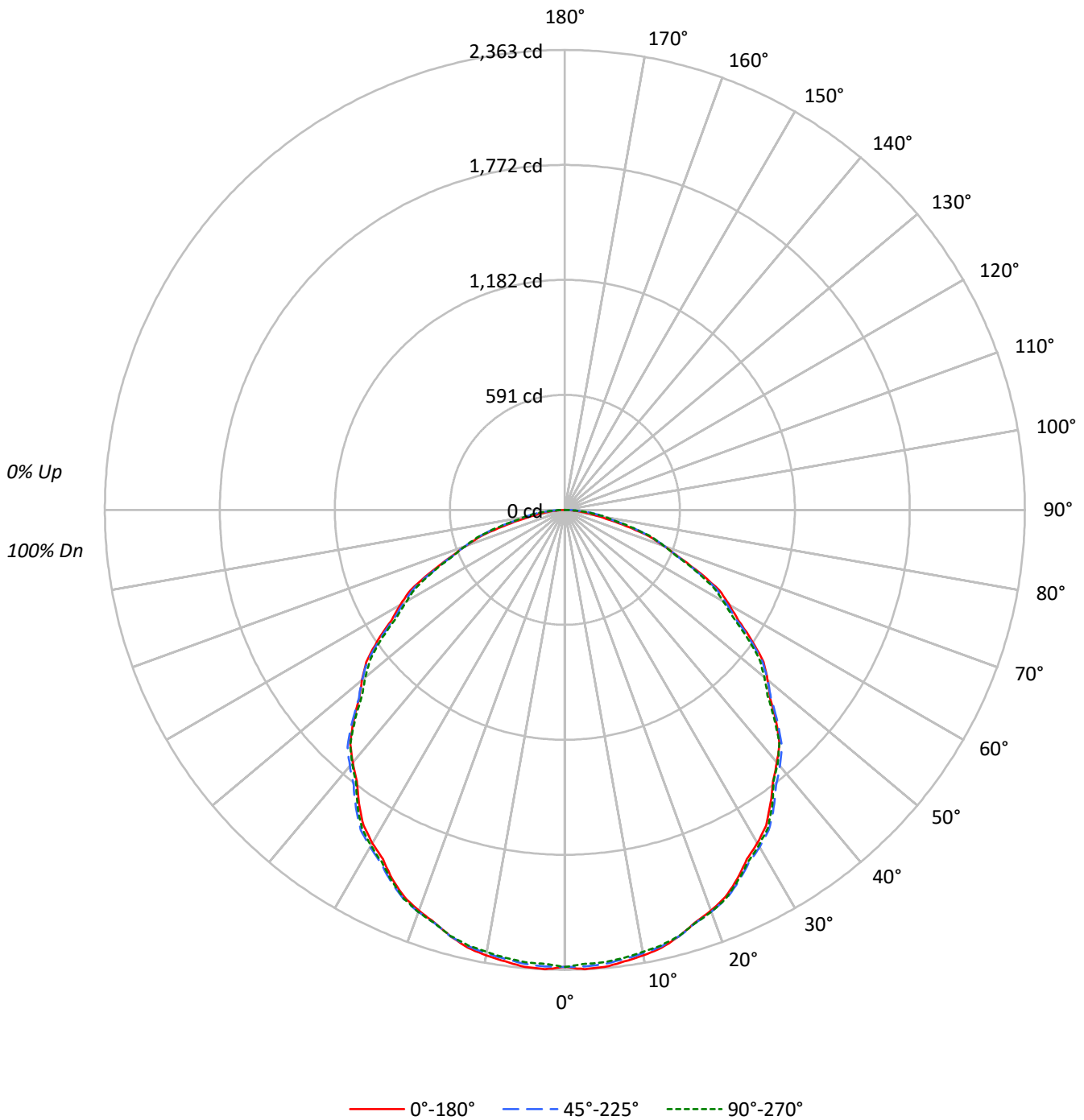
Lumens per Lamp: N/A
Luminaire Lumens: 6410.1 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 0.29' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 69.7
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°	14446	14446	14446
5°	14555	14461	14408
10°	14520	14452	14411
15°	14443	14443	14430
20°	14348	14391	14391
25°	14213	14316	14272
30°	14040	14210	14148
35°	13831	14044	13945
40°	13602	13794	13655
45°	13356	13450	13242
50°	13006	13006	12798
55°	12594	12430	12243
60°	11985	11744	11557
65°	11079	10856	10761
70°	9699	9778	9738
75°	7804	8631	8684
80°	5547	7318	7396
85°	3373	6140	6140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.3	3.5
10°-20°	637.9	10.0
20°-30°	966.0	15.1
30°-40°	1158.1	18.1
40°-50°	1180.8	18.4
50°-60°	1030.8	16.1
60°-70°	738.0	11.5
70°-80°	380.1	5.9
80°-90°	96.1	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°	1826.1	28.5
0°-40°	2984.2	46.6
0°-60°	5195.9	81.1
0°-90°	6410.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6410.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2349	2349	2349	2349	2349	
5°	2357	2334	2342	2336	2334	224
15°	2268	2249	2268	2268	2266	640
25°	2094	2079	2110	2103	2103	964
35°	1842	1838	1870	1857	1857	1152
45°	1535	1531	1546	1527	1522	1182
55°	1174	1160	1159	1142	1142	1047
65°	761	744	746	739	739	753
75°	328	343	363	365	365	355
85°	48	73	87	89	87	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2348.7	2348.7	2348.7	2348.7	2348.7
2.5°	2362.6	2342.2	2348.7	2343.3	2334.8
5°	2357.4	2334.0	2342.2	2335.6	2333.5
7.5°	2340.4	2317.0	2327.8	2323.4	2321.3
10°	2324.8	2301.4	2313.9	2309.5	2307.4
12.5°	2303.9	2282.2	2296.5	2292.1	2291.7
15°	2268.2	2249.1	2268.2	2268.2	2266.1
17.5°	2223.4	2206.0	2226.5	2227.8	2226.5
20°	2192.1	2173.0	2198.6	2196.5	2198.6
22.5°	2153.8	2138.1	2165.6	2160.0	2162.1
25°	2094.3	2079.4	2109.5	2103.0	2103.0
27.5°	2023.8	2013.2	2046.0	2039.0	2039.0
30°	1976.8	1966.2	2000.7	1992.0	1992.0
32.5°	1924.6	1917.4	1950.3	1939.9	1939.9
35°	1842.0	1837.7	1870.3	1857.2	1857.2
37.5°	1756.7	1752.9	1782.4	1766.6	1761.5
40°	1694.1	1692.0	1718.0	1700.6	1700.6
42.5°	1631.5	1629.4	1651.9	1631.0	1631.0
45°	1535.4	1531.1	1546.2	1526.6	1522.3
47.5°	1430.5	1426.3	1435.8	1414.4	1412.3
50°	1359.2	1354.9	1359.2	1339.6	1337.5
52.5°	1286.1	1278.5	1279.2	1259.6	1259.2
55°	1174.4	1159.5	1159.1	1141.7	1141.7
57.5°	1056.0	1036.5	1038.2	1023.4	1021.3
60°	974.3	953.0	954.7	941.6	939.5
62.5°	894.2	869.6	874.7	859.9	859.5
65°	761.2	744.1	745.9	739.4	739.4
67.5°	633.3	617.5	628.9	623.7	623.3
70°	539.3	528.7	543.7	543.6	541.5
72.5°	452.3	451.9	470.6	470.6	471.9
75°	328.4	343.3	363.2	365.4	365.4
77.5°	219.2	245.6	267.5	268.4	267.9
80°	156.6	186.3	206.6	210.9	208.8
82.5°	106.1	137.6	154.4	158.7	156.6
85°	47.8	73.4	87.0	89.1	87.0
87.5°	13.9	29.2	34.8	34.7	31.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)