

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: P562882

Luminaire Tested: **SQ4-PC3-0U-125D-935-1D-UNV-STD-W-4**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P562882
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-4
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

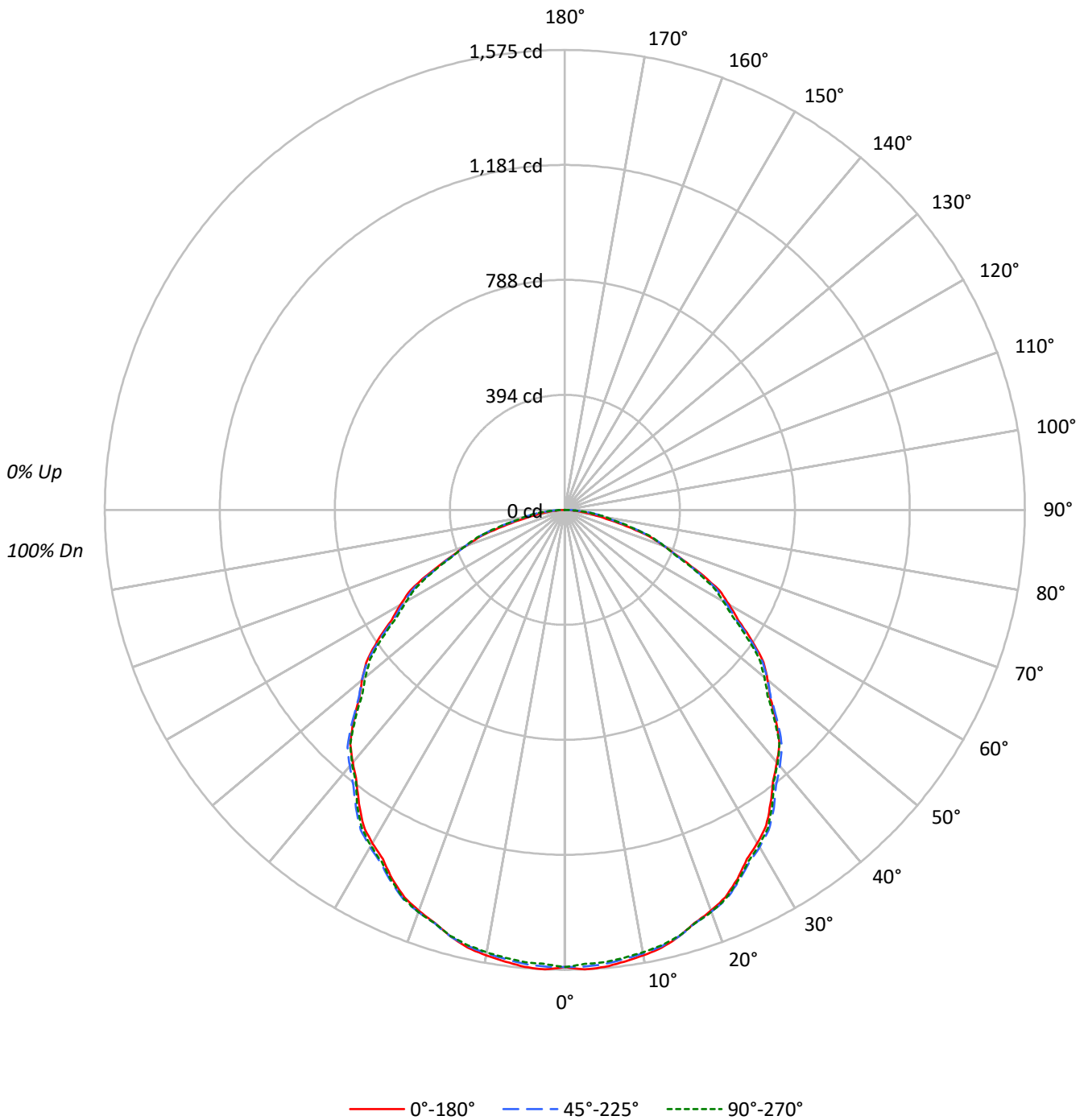
Lumens per Lamp: N/A
Luminaire Lumens: 4273.4 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 43.6
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°	14446	14446	14446
5°	14555	14462	14408
10°	14520	14452	14412
15°	14444	14444	14430
20°	14348	14392	14392
25°	14213	14316	14272
30°	14040	14210	14148
35°	13831	14043	13945
40°	13602	13795	13655
45°	13356	13450	13242
50°	13006	13006	12798
55°	12593	12431	12244
60°	11985	11745	11557
65°	11077	10857	10761
70°	9700	9779	9738
75°	7803	8630	8684
80°	5547	7316	7396
85°	3377	6140	6140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.2	3.5
10°-20°	425.3	10.0
20°-30°	644.0	15.1
30°-40°	772.1	18.1
40°-50°	787.2	18.4
50°-60°	687.2	16.1
60°-70°	492.0	11.5
70°-80°	253.4	5.9
80°-90°	64.1	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°	1217.4	28.5
0°-40°	1989.5	46.6
0°-60°	3463.9	81.1
0°-90°	4273.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4273.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1566	1566	1566	1566	1566	
5°	1572	1556	1562	1557	1556	149
15°	1512	1499	1512	1512	1511	426
25°	1396	1386	1406	1402	1402	643
35°	1228	1225	1247	1238	1238	768
45°	1024	1021	1031	1018	1015	788
55°	783	773	773	761	761	698
65°	507	496	497	493	493	502
75°	219	229	242	244	244	237
85°	32	49	58	59	58	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1565.8	1565.8	1565.8	1565.8	1565.8
2.5°	1575.1	1561.5	1565.8	1562.2	1556.5
5°	1571.6	1556.0	1561.5	1557.1	1555.7
7.5°	1560.3	1544.7	1551.9	1549.0	1547.5
10°	1549.9	1534.3	1542.6	1539.7	1538.3
12.5°	1535.9	1521.5	1531.0	1528.1	1527.8
15°	1512.2	1499.4	1512.2	1512.1	1510.7
17.5°	1482.3	1470.7	1484.3	1485.2	1484.3
20°	1461.4	1448.7	1465.8	1464.3	1465.8
22.5°	1435.9	1425.4	1443.7	1440.0	1441.4
25°	1396.2	1386.2	1406.3	1402.0	1402.0
27.5°	1349.2	1342.1	1364.0	1359.3	1359.3
30°	1317.9	1310.8	1333.8	1328.0	1328.0
32.5°	1283.1	1278.3	1300.2	1293.2	1293.2
35°	1228.0	1225.2	1246.8	1238.1	1238.1
37.5°	1171.2	1168.6	1188.3	1177.8	1174.4
40°	1129.4	1128.0	1145.4	1133.8	1133.8
42.5°	1087.7	1086.2	1101.3	1087.4	1087.4
45°	1023.6	1020.7	1030.8	1017.7	1014.9
47.5°	953.7	950.9	957.2	942.9	941.5
50°	906.1	903.3	906.1	893.1	891.6
52.5°	857.4	852.3	852.8	839.7	839.4
55°	782.9	773.0	772.8	761.2	761.2
57.5°	704.0	691.0	692.1	682.3	680.8
60°	649.5	635.3	636.5	627.7	626.3
62.5°	596.2	579.7	583.1	573.3	573.0
65°	507.4	496.1	497.3	492.9	492.9
67.5°	422.2	411.7	419.3	415.8	415.5
70°	359.6	352.5	362.5	362.4	361.0
72.5°	301.6	301.3	313.7	313.8	314.6
75°	218.9	228.8	242.1	243.6	243.6
77.5°	146.1	163.7	178.3	178.9	178.6
80°	104.4	124.2	137.7	140.6	139.2
82.5°	70.8	91.7	102.9	105.8	104.4
85°	31.9	48.9	58.0	59.4	58.0
87.5°	9.3	19.5	23.2	23.1	20.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)