

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: P563530

Luminaire Tested: **SQ4-PP3-0U-100D-935-1D-UNV-STD-W-4**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P563530
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-100D-935-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS.
DOWNLIGHT 1000 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

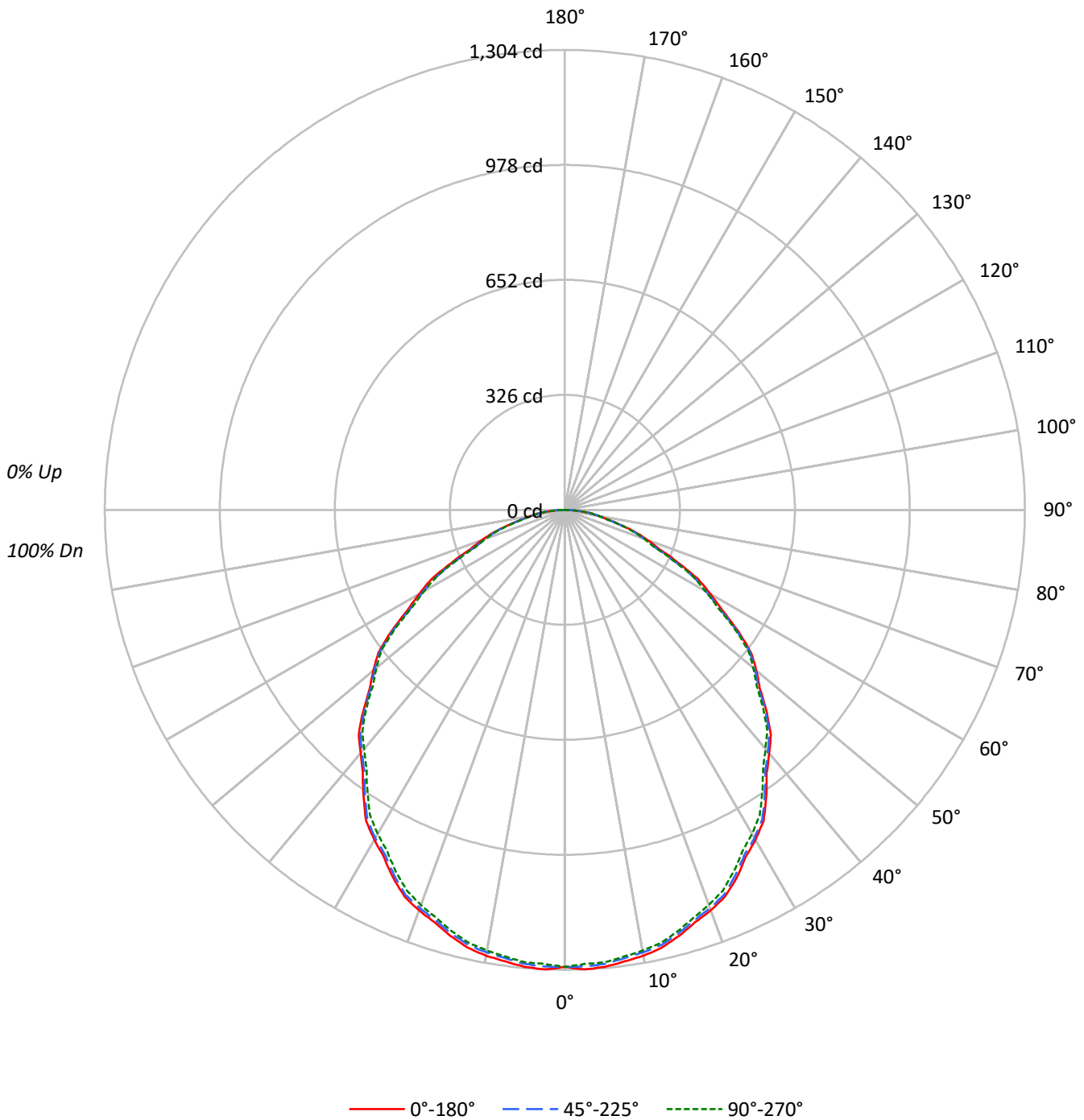
Lumens per Lamp: N/A
Luminaire Lumens: 3317.0 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.8
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	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11957	11957	11957
5°	12045	11971	11929
10°	12025	11939	11886
15°	11944	11879	11814
20°	11865	11799	11709
25°	11724	11644	11528
30°	11508	11447	11302
35°	11207	11130	10989
40°	10848	10779	10656
45°	10552	10477	10374
50°	10174	10108	10010
55°	9646	9519	9445
60°	8781	8531	8488
65°	7737	7414	7390
70°	6679	6404	6404
75°	5750	5668	5586
80°	5069	5127	5010
85°	3970	4330	4330



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	3.7
10°-20°	349.9	10.5
20°-30°	524.1	15.8
30°-40°	614.8	18.5
40°-50°	616.7	18.6
50°-60°	526.1	15.9
60°-70°	343.1	10.3
70°-80°	172.1	5.2
80°-90°	47.6	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°	996.6	30.0
0°-40°	1611.4	48.6
0°-60°	2754.1	83.0
0°-90°	3317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1296	1296	1296	1296	1296	
5°	1300	1288	1293	1288	1288	124
15°	1250	1238	1244	1239	1237	353
25°	1152	1138	1144	1134	1132	530
35°	995	985	988	977	976	622
45°	809	803	803	795	795	623
55°	600	598	592	588	587	533
65°	354	348	340	337	338	354
75°	161	161	159	158	157	175
85°	38	41	41	41	41	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1296.0	1296.0	1296.0	1296.0	1296.0
2.5°	1304.2	1293.5	1296.0	1294.0	1288.7
5°	1300.5	1288.3	1292.6	1288.0	1288.0
7.5°	1291.7	1278.3	1282.6	1278.0	1277.8
10°	1283.5	1270.2	1274.4	1269.8	1268.7
12.5°	1271.7	1258.3	1263.5	1258.0	1257.8
15°	1250.5	1238.3	1243.7	1239.1	1236.9
17.5°	1226.7	1213.4	1219.9	1213.5	1212.6
20°	1208.5	1195.2	1201.7	1192.6	1192.6
22.5°	1186.7	1173.4	1180.8	1169.0	1169.0
25°	1151.7	1138.4	1143.8	1133.5	1132.4
27.5°	1110.2	1097.1	1102.7	1091.1	1090.9
30°	1080.2	1068.0	1074.5	1062.0	1060.9
32.5°	1047.5	1036.1	1040.9	1028.4	1027.2
35°	995.0	985.0	988.2	976.8	975.7
37.5°	939.8	929.6	933.2	923.4	923.0
40°	900.7	894.1	895.0	887.0	884.8
42.5°	864.4	856.8	857.8	849.8	849.4
45°	808.7	803.2	803.0	795.1	795.1
47.5°	749.6	745.4	744.2	737.6	737.4
50°	708.8	705.4	704.2	698.5	697.4
52.5°	666.1	664.5	660.6	655.8	655.6
55°	599.7	597.5	591.8	588.3	587.2
57.5°	527.7	523.3	516.8	511.8	512.7
60°	475.9	471.5	462.3	460.0	460.0
62.5°	425.9	420.6	411.4	408.3	410.0
65°	354.4	347.7	339.6	337.4	338.5
67.5°	289.4	283.4	274.6	274.6	273.7
70°	247.6	244.3	237.4	237.4	237.4
72.5°	210.4	208.8	203.8	203.7	202.9
75°	161.3	161.3	159.0	157.9	156.7
77.5°	120.9	121.3	120.2	119.0	117.0
80°	95.4	97.6	96.5	95.4	94.3
82.5°	71.8	74.0	73.8	71.8	71.6
85°	37.5	40.8	40.9	40.9	40.9
87.5°	10.0	13.5	14.5	14.6	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)