

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: P563510

Luminaire Tested: **SQ4-PP3-0U-075D-940-1D-UNV-STD-W-4**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P563510
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-075D-940-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS.
DOWNLIGHT 750 LUMENS PER FOOT
DIRECT ONLY
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

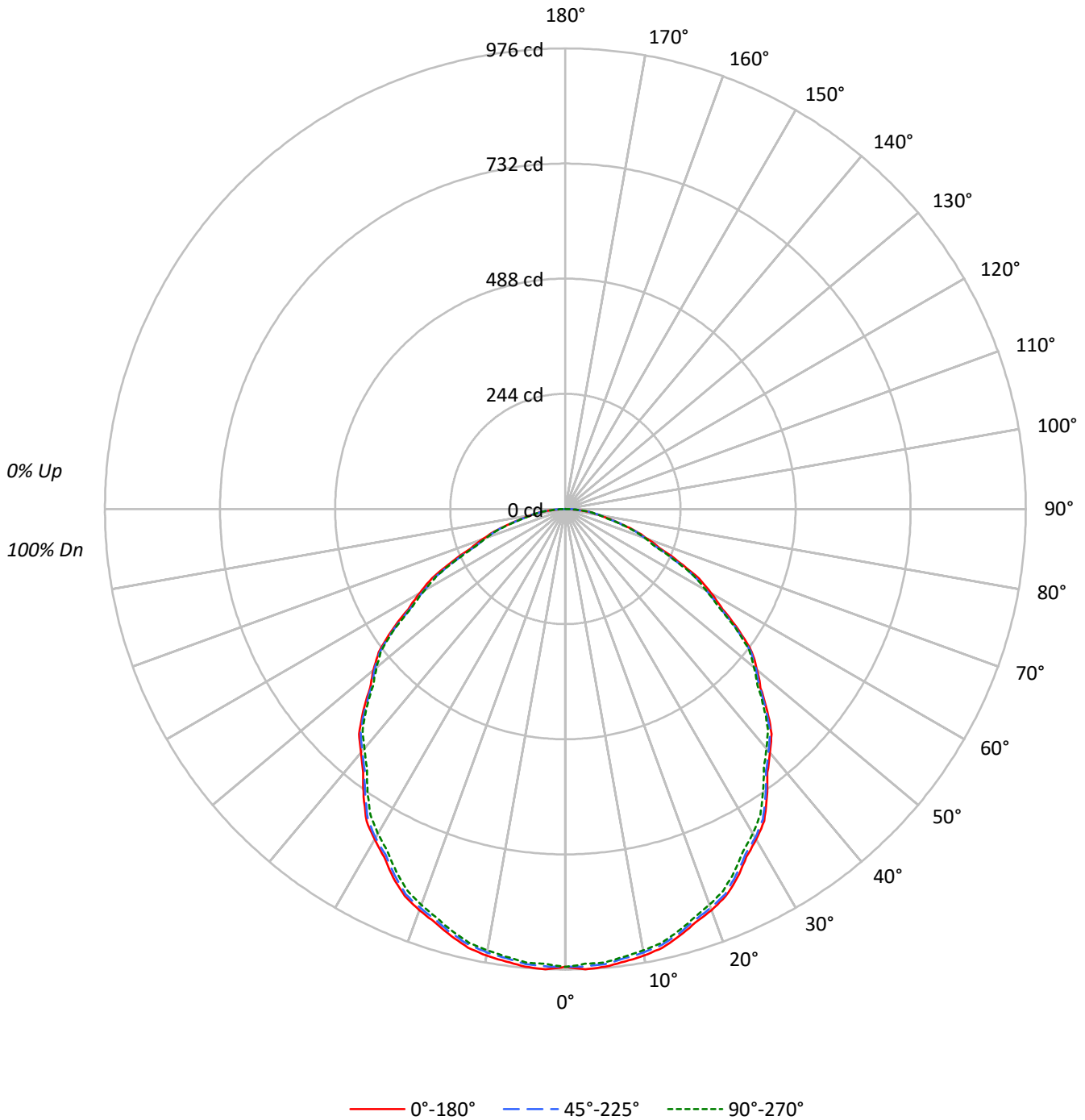
Lumens per Lamp: N/A
Luminaire Lumens: 2483.8 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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	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°	8953	8953	8953
5°	9019	8964	8933
10°	9004	8940	8900
15°	8944	8895	8847
20°	8885	8835	8768
25°	8779	8719	8632
30°	8617	8572	8463
35°	8391	8334	8229
40°	8122	8072	7979
45°	7902	7846	7769
50°	7617	7569	7495
55°	7224	7127	7073
60°	6576	6388	6357
65°	5794	5552	5532
70°	5001	4796	4796
75°	4306	4246	4185
80°	3794	3841	3751
85°	2975	3239	3239



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	3.7
10°-20°	262.0	10.5
20°-30°	392.5	15.8
30°-40°	460.3	18.5
40°-50°	461.8	18.6
50°-60°	393.9	15.9
60°-70°	256.9	10.3
70°-80°	128.9	5.2
80°-90°	35.7	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°	746.2	30.0
0°-40°	1206.6	48.6
0°-60°	2062.3	83.0
0°-90°	2483.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2483.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	970	970	970	970	970	
5°	974	965	968	964	964	92
15°	936	927	931	928	926	264
25°	862	852	856	849	848	397
35°	745	738	740	731	731	465
45°	606	601	601	595	595	466
55°	449	447	443	440	440	399
65°	265	260	254	253	253	265
75°	121	121	119	118	117	131
85°	28	31	31	31	31	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	970.4	970.4	970.4	970.4	970.4
2.5°	976.5	968.6	970.4	969.0	965.0
5°	973.8	964.7	967.9	964.5	964.5
7.5°	967.2	957.2	960.4	957.0	956.8
10°	961.1	951.1	954.3	950.8	950.0
12.5°	952.2	942.2	946.1	942.0	941.8
15°	936.4	927.3	931.3	927.9	926.2
17.5°	918.5	908.6	913.4	908.7	908.0
20°	904.9	895.0	899.8	893.0	893.0
22.5°	888.6	878.6	884.2	875.3	875.3
25°	862.4	852.4	856.5	848.8	847.9
27.5°	831.3	821.5	825.7	817.0	816.8
30°	808.8	799.7	804.6	795.2	794.4
32.5°	784.3	775.8	779.4	770.0	769.2
35°	745.0	737.6	739.9	731.4	730.6
37.5°	703.7	696.1	698.8	691.4	691.1
40°	674.4	669.5	670.2	664.2	662.5
42.5°	647.2	641.6	642.3	636.3	636.0
45°	605.6	601.4	601.3	595.4	595.4
47.5°	561.3	558.2	557.2	552.3	552.1
50°	530.7	528.2	527.3	523.0	522.2
52.5°	498.7	497.6	494.7	491.1	490.9
55°	449.1	447.4	443.1	440.5	439.7
57.5°	395.1	391.8	387.0	383.3	383.9
60°	356.4	353.0	346.2	344.5	344.5
62.5°	318.9	314.9	308.1	305.7	307.0
65°	265.4	260.4	254.3	252.6	253.4
67.5°	216.7	212.2	205.7	205.6	205.0
70°	185.4	182.9	177.8	177.8	177.8
72.5°	157.5	156.3	152.6	152.6	151.9
75°	120.8	120.8	119.1	118.2	117.4
77.5°	90.5	90.8	90.0	89.1	87.6
80°	71.4	73.1	72.3	71.4	70.6
82.5°	53.8	55.4	55.3	53.7	53.6
85°	28.1	30.6	30.6	30.6	30.6
87.5°	7.5	10.1	10.9	10.9	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)