

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: P563498

Luminaire Tested: **SQ4-PP3-0U-075D-840-1D-UNV-STD-W-4**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P563498
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-840-1D-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, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

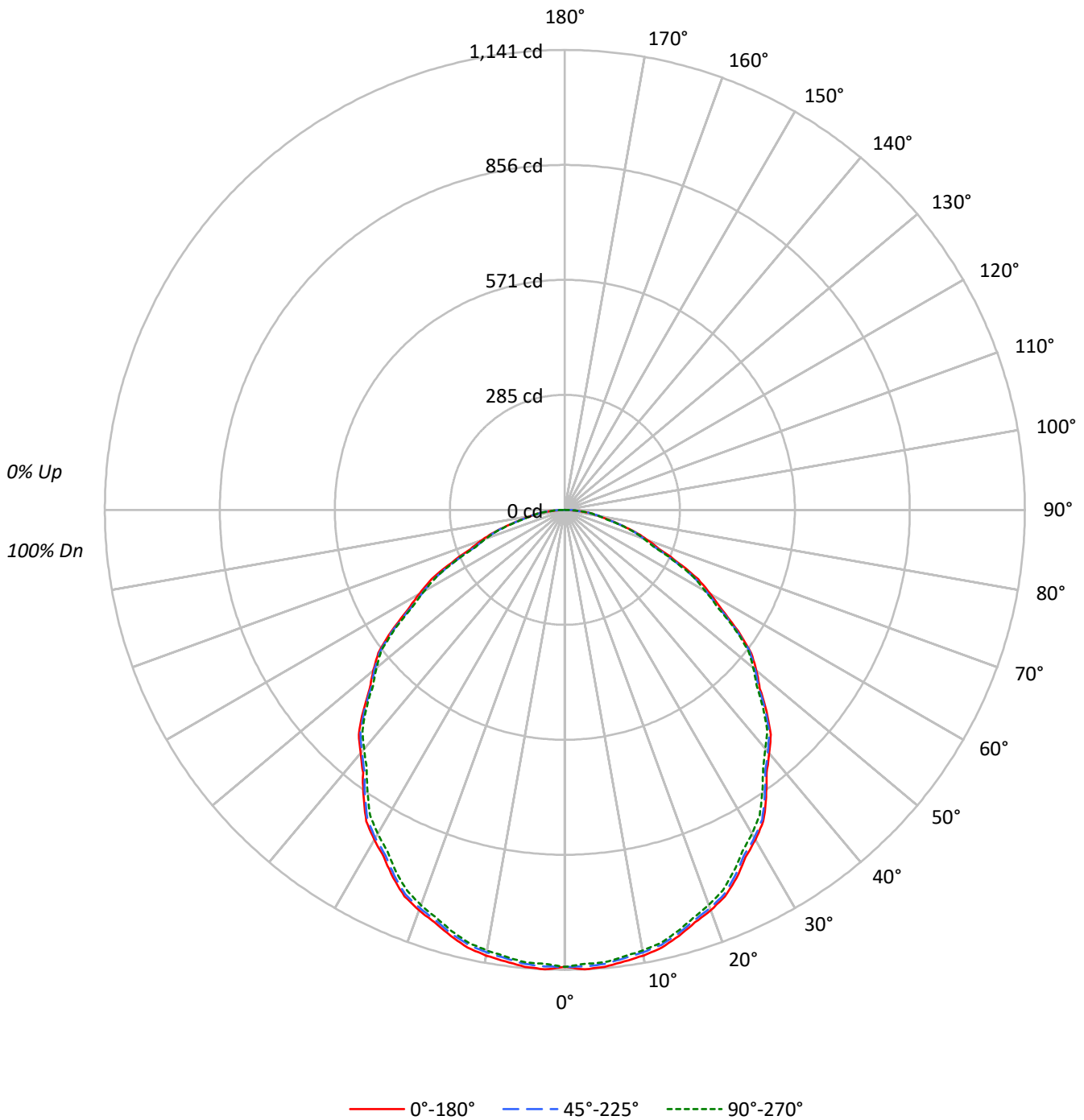
Lumens per Lamp: N/A
Luminaire Lumens: 2902.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

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	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°	10461	10461	10461
5°	10538	10474	10437
10°	10520	10446	10399
15°	10450	10393	10337
20°	10381	10323	10244
25°	10257	10187	10085
30°	10068	10015	9888
35°	9805	9737	9614
40°	9491	9432	9323
45°	9231	9167	9076
50°	8901	8843	8757
55°	8440	8327	8265
60°	7684	7462	7427
65°	6768	6486	6464
70°	5843	5603	5603
75°	5030	4959	4887
80°	4436	4490	4383
85°	3472	3790	3790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	3.7
10°-20°	306.1	10.5
20°-30°	458.5	15.8
30°-40°	537.9	18.5
40°-50°	539.5	18.6
50°-60°	460.3	15.9
60°-70°	300.2	10.3
70°-80°	150.6	5.2
80°-90°	41.7	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°	871.9	30.0
0°-40°	1409.8	48.6
0°-60°	2409.6	83.0
0°-90°	2902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2902.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1134	1134	1134	1134	1134	
5°	1138	1127	1131	1127	1127	108
15°	1094	1083	1088	1084	1082	309
25°	1008	996	1001	992	991	463
35°	870	862	864	855	854	544
45°	708	703	703	696	696	545
55°	525	523	518	515	514	466
65°	310	304	297	295	296	309
75°	141	141	139	138	137	153
85°	33	36	36	36	36	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1133.8	1133.8	1133.8	1133.8	1133.8
2.5°	1141.0	1131.7	1133.8	1132.1	1127.5
5°	1137.8	1127.1	1130.9	1126.9	1126.9
7.5°	1130.1	1118.4	1122.1	1118.1	1117.9
10°	1122.9	1111.3	1115.0	1111.0	1110.0
12.5°	1112.6	1100.9	1105.4	1100.6	1100.5
15°	1094.1	1083.4	1088.1	1084.1	1082.2
17.5°	1073.2	1061.6	1067.3	1061.7	1060.9
20°	1057.3	1045.7	1051.4	1043.4	1043.4
22.5°	1038.2	1026.6	1033.1	1022.7	1022.7
25°	1007.6	996.0	1000.7	991.7	990.7
27.5°	971.3	959.8	964.7	954.6	954.4
30°	945.0	934.3	940.1	929.1	928.1
32.5°	916.4	906.5	910.7	899.7	898.7
35°	870.5	861.8	864.5	854.6	853.6
37.5°	822.2	813.3	816.4	807.9	807.5
40°	788.0	782.2	783.1	776.1	774.1
42.5°	756.2	749.6	750.5	743.5	743.1
45°	707.5	702.7	702.6	695.6	695.6
47.5°	655.9	652.2	651.1	645.3	645.1
50°	620.1	617.2	616.1	611.1	610.1
52.5°	582.7	581.4	578.0	573.8	573.6
55°	524.7	522.7	517.7	514.7	513.8
57.5°	461.7	457.8	452.1	447.8	448.6
60°	416.4	412.5	404.4	402.5	402.5
62.5°	372.6	368.0	359.9	357.2	358.7
65°	310.0	304.2	297.1	295.2	296.1
67.5°	253.2	248.0	240.3	240.3	239.5
70°	216.6	213.7	207.7	207.7	207.7
72.5°	184.0	182.7	178.3	178.3	177.5
75°	141.1	141.1	139.1	138.1	137.1
77.5°	105.7	106.1	105.1	104.1	102.4
80°	83.5	85.4	84.5	83.5	82.5
82.5°	62.8	64.7	64.6	62.8	62.6
85°	32.8	35.7	35.8	35.8	35.8
87.5°	8.7	11.9	12.7	12.7	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)