

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: P523795

Luminaire Tested: **SQ4-PP3-0U-075D-92765-1D-UNV-STD-W-4 (6500K)**

Issue Date: 5/24/2021

Test Information

Test Method: LM-79-2019
Report Number: P523795
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-172-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/24/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: SQ4-PP3-0U-075D-92765-1D-UNV-STD-W-4 (6500K)
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS
DOWNLIGHT 750 LUMENS PER FOOT
DIRECT ONLY
Light Source: 2700K/65000K CCT, 90 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3222.0 lumens
Efficiency: N/A
Efficacy: 101.6 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

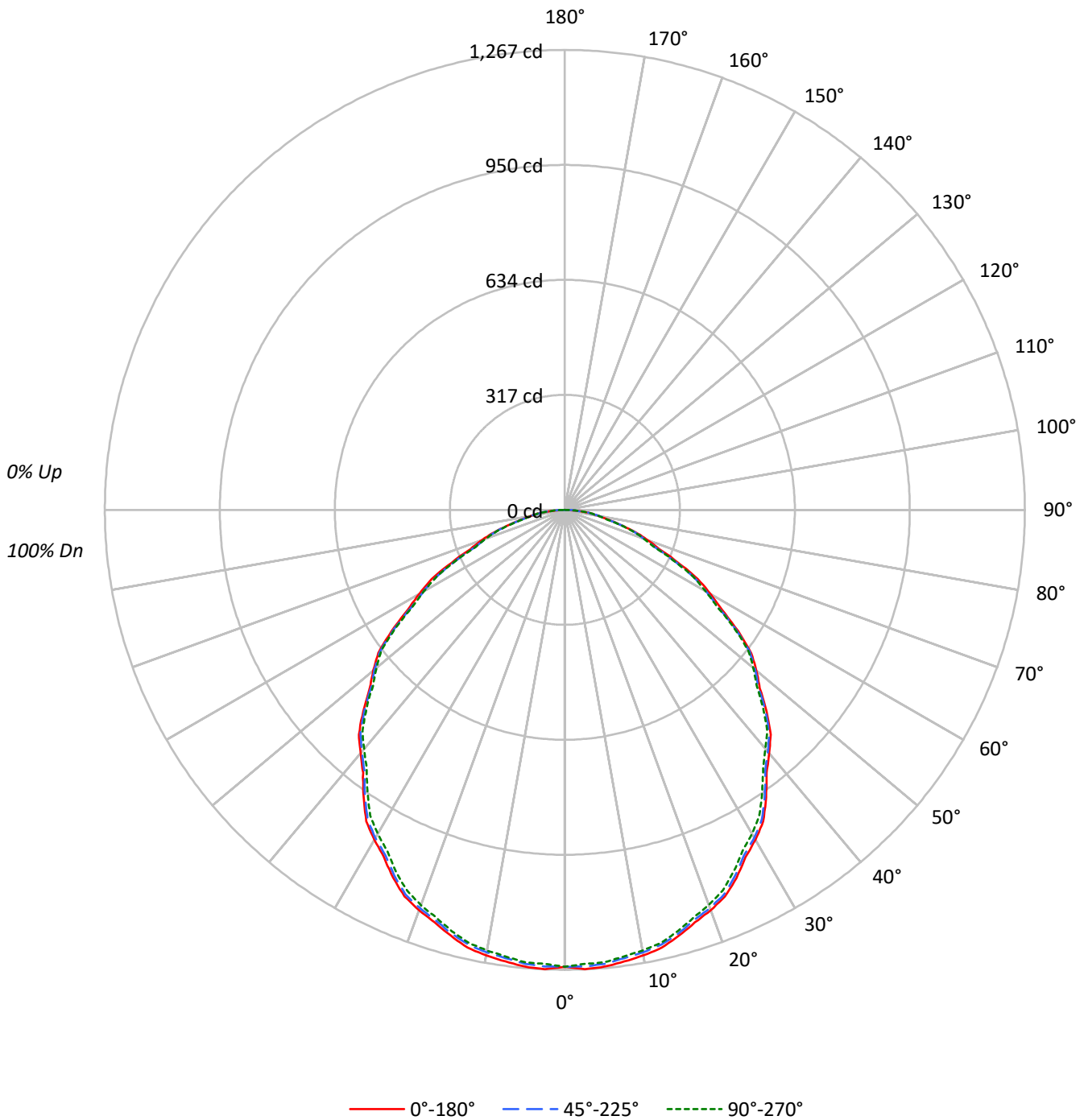
Input Watts (W): 31.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	11614	11614	11614
5°	11700	11628	11587
10°	11680	11597	11546
15°	11602	11539	11476
20°	11526	11461	11375
25°	11388	11310	11198
30°	11178	11119	10978
35°	10886	10811	10674
40°	10537	10471	10352
45°	10249	10177	10077
50°	9882	9818	9723
55°	9370	9246	9175
60°	8531	8285	8245
65°	7514	7202	7178
70°	6488	6221	6221
75°	5586	5508	5429
80°	4925	4984	4867
85°	3853	4203	4203



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	3.7
10°-20°	339.9	10.5
20°-30°	509.1	15.8
30°-40°	597.2	18.5
40°-50°	599.0	18.6
50°-60°	511.0	15.9
60°-70°	333.3	10.3
70°-80°	167.2	5.2
80°-90°	46.3	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°	968.0	30.0
0°-40°	1565.2	48.6
0°-60°	2675.2	83.0
0°-90°	3222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3222.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1259	1259	1259	1259	1259	
5°	1263	1251	1256	1251	1251	120
15°	1215	1203	1208	1204	1202	343
25°	1119	1106	1111	1101	1100	514
35°	966	957	960	949	948	604
45°	786	780	780	772	772	605
55°	582	580	575	572	570	518
65°	344	338	330	328	329	344
75°	157	157	154	153	152	170
85°	36	40	40	40	40	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1258.8	1258.8	1258.8	1258.8	1258.8
2.5°	1266.8	1256.4	1258.8	1257.0	1251.8
5°	1263.3	1251.4	1255.5	1251.1	1251.1
7.5°	1254.7	1241.7	1245.8	1241.4	1241.2
10°	1246.7	1233.8	1237.9	1233.4	1232.4
12.5°	1235.2	1222.3	1227.3	1222.0	1221.8
15°	1214.7	1202.9	1208.1	1203.6	1201.5
17.5°	1191.5	1178.6	1184.9	1178.7	1177.9
20°	1173.9	1161.0	1167.3	1158.5	1158.5
22.5°	1152.7	1139.8	1147.0	1135.5	1135.5
25°	1118.7	1105.8	1111.0	1101.1	1100.0
27.5°	1078.4	1065.6	1071.1	1059.8	1059.6
30°	1049.2	1037.4	1043.7	1031.5	1030.5
32.5°	1017.5	1006.4	1011.1	998.9	997.8
35°	966.5	956.8	959.9	948.8	947.7
37.5°	912.9	902.9	906.5	897.0	896.5
40°	874.9	868.4	869.4	861.6	859.5
42.5°	839.6	832.3	833.2	825.5	825.0
45°	785.5	780.1	780.0	772.3	772.3
47.5°	728.2	724.1	722.9	716.5	716.3
50°	688.5	685.2	684.0	678.5	677.4
52.5°	647.0	645.5	641.7	637.0	636.8
55°	582.5	580.4	574.8	571.5	570.4
57.5°	512.6	508.3	502.0	497.2	498.0
60°	462.3	458.0	449.0	446.8	446.8
62.5°	413.7	408.6	399.6	396.6	398.3
65°	344.2	337.8	329.9	327.7	328.8
67.5°	281.1	275.3	266.8	266.8	265.9
70°	240.5	237.3	230.6	230.6	230.6
72.5°	204.3	202.8	197.9	197.9	197.0
75°	156.7	156.7	154.5	153.3	152.3
77.5°	117.4	117.8	116.7	115.6	113.6
80°	92.7	94.8	93.8	92.7	91.6
82.5°	69.7	71.9	71.7	69.7	69.5
85°	36.4	39.6	39.7	39.7	39.7
87.5°	9.7	13.2	14.1	14.1	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)