

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: P523791

Luminaire Tested: **SQ4-PP3-0U-075D-92765-1D-UNV-STD-W-4 (4000K)**

Issue Date: 5/24/2021

Test Information

Test Method: LM-79-2019
Report Number: P523791
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 (4000K)
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 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

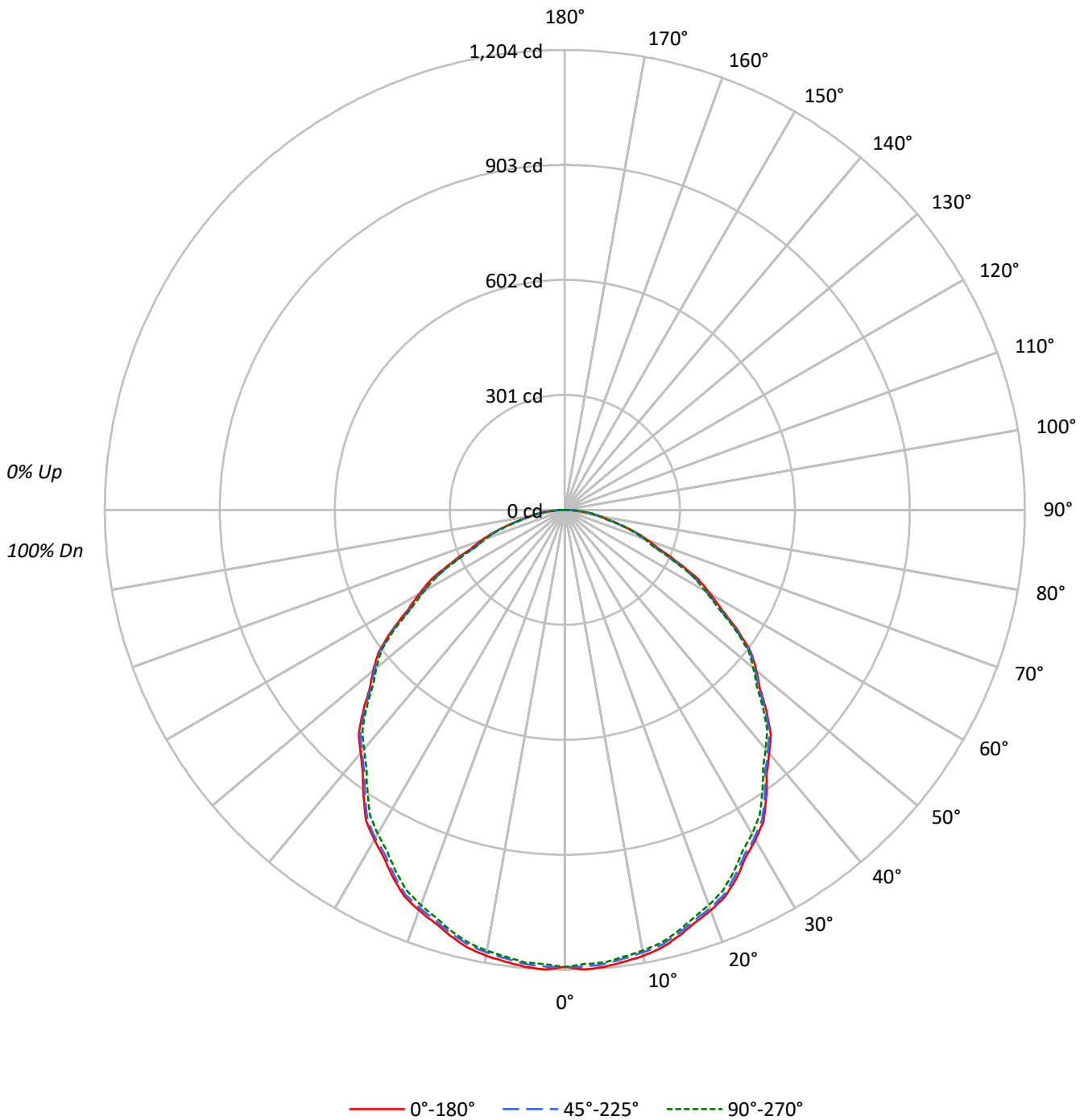
Lumens per Lamp: N/A
Luminaire Lumens: 3063.0 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.9
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



TEST NUMBER: P523791
CATALOG NUMBER: SQ4-PP3-0U-075D-92765-1D-UNV-STD-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P523791

CATALOG NUMBER: SQ4-PP3-0U-075D-92765-1D-UNV-STD-W-4 (4000K)

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				100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72				72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53				53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46				46
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40				40
7	66	53	45	39	65	52	44	39	51	44	38	49	43	38	48	42	38	36				36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32				32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29				29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26				26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11042	11042	11042
5°	11122	11054	11016
10°	11104	11025	10976
15°	11030	10970	10910
20°	10957	10895	10813
25°	10826	10752	10645
30°	10627	10570	10436
35°	10349	10278	10148
40°	10017	9954	9841
45°	9744	9675	9580
50°	9394	9334	9244
55°	8908	8791	8723
60°	8110	7877	7839
65°	7143	6846	6824
70°	6169	5913	5913
75°	5308	5233	5158
80°	4681	4739	4628
85°	3663	4001	4001



TEST NUMBER: P523791

CATALOG NUMBER: SQ4-PP3-OU-075D-92765-1D-UNV-STD-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	3.7
10°-20°	323.1	10.5
20°-30°	484.0	15.8
30°-40°	567.7	18.5
40°-50°	569.5	18.6
50°-60°	485.8	15.9
60°-70°	316.8	10.3
70°-80°	158.9	5.2
80°-90°	44.0	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°	920.3	30.0
0°-40°	1488.0	48.6
0°-60°	2543.2	83.0
0°-90°	3063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1197	1197	1197	1197	1197	
5°	1201	1190	1194	1189	1189	114
15°	1155	1144	1148	1144	1142	326
25°	1064	1051	1056	1047	1046	489
35°	919	910	912	902	901	574
45°	747	742	742	734	734	575
55°	554	552	546	543	542	492
65°	327	321	314	312	313	327
75°	149	149	147	146	145	162
85°	35	38	38	38	38	42
90°	0	0	0	0	0	



TEST NUMBER: P523791

CATALOG NUMBER: SQ4-PP3-0U-075D-92765-1D-UNV-STD-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1196.8	1196.8	1196.8	1196.8	1196.8
2.5°	1204.3	1194.5	1196.8	1195.0	1190.0
5°	1200.9	1189.7	1193.6	1189.4	1189.4
7.5°	1192.8	1180.5	1184.4	1180.2	1180.0
10°	1185.2	1172.9	1176.8	1172.6	1171.6
12.5°	1174.3	1162.0	1166.8	1161.7	1161.5
15°	1154.8	1143.5	1148.5	1144.3	1142.2
17.5°	1132.8	1120.5	1126.5	1120.6	1119.8
20°	1116.0	1103.7	1109.7	1101.3	1101.3
22.5°	1095.9	1083.5	1090.4	1079.5	1079.5
25°	1063.5	1051.2	1056.2	1046.7	1045.7
27.5°	1025.2	1013.1	1018.2	1007.5	1007.3
30°	997.5	986.2	992.2	980.7	979.6
32.5°	967.3	956.8	961.2	949.6	948.6
35°	918.8	909.6	912.5	902.0	901.0
37.5°	867.8	858.4	861.7	852.7	852.3
40°	831.7	825.6	826.5	819.1	817.1
42.5°	798.2	791.2	792.1	784.7	784.3
45°	746.8	741.7	741.5	734.2	734.2
47.5°	692.2	688.4	687.2	681.1	680.9
50°	654.5	651.4	650.3	645.0	644.0
52.5°	615.1	613.6	610.0	605.6	605.4
55°	553.8	551.7	546.5	543.3	542.3
57.5°	487.3	483.2	477.2	472.6	473.5
60°	439.5	435.4	426.9	424.8	424.8
62.5°	393.3	388.4	379.9	377.0	378.6
65°	327.2	321.1	313.6	311.5	312.6
67.5°	267.3	261.7	253.6	253.6	252.8
70°	228.7	225.6	219.2	219.2	219.2
72.5°	194.2	192.8	188.2	188.1	187.3
75°	148.9	148.9	146.8	145.8	144.7
77.5°	111.6	112.0	111.0	109.9	108.0
80°	88.1	90.2	89.2	88.1	87.1
82.5°	66.3	68.3	68.2	66.3	66.1
85°	34.6	37.7	37.8	37.8	37.8
87.5°	9.2	12.5	13.4	13.4	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)