

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: P523789

Luminaire Tested: **SQ4-PP3-0U-075D-92765-1D-UNV-STD-W-4 (3000K)**

Issue Date: 5/24/2021

Test Information

Test Method: LM-79-2019
Report Number: P523789
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 (3000K)
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 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2937.5 lumens
Efficiency: N/A
Efficacy: 92.1 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

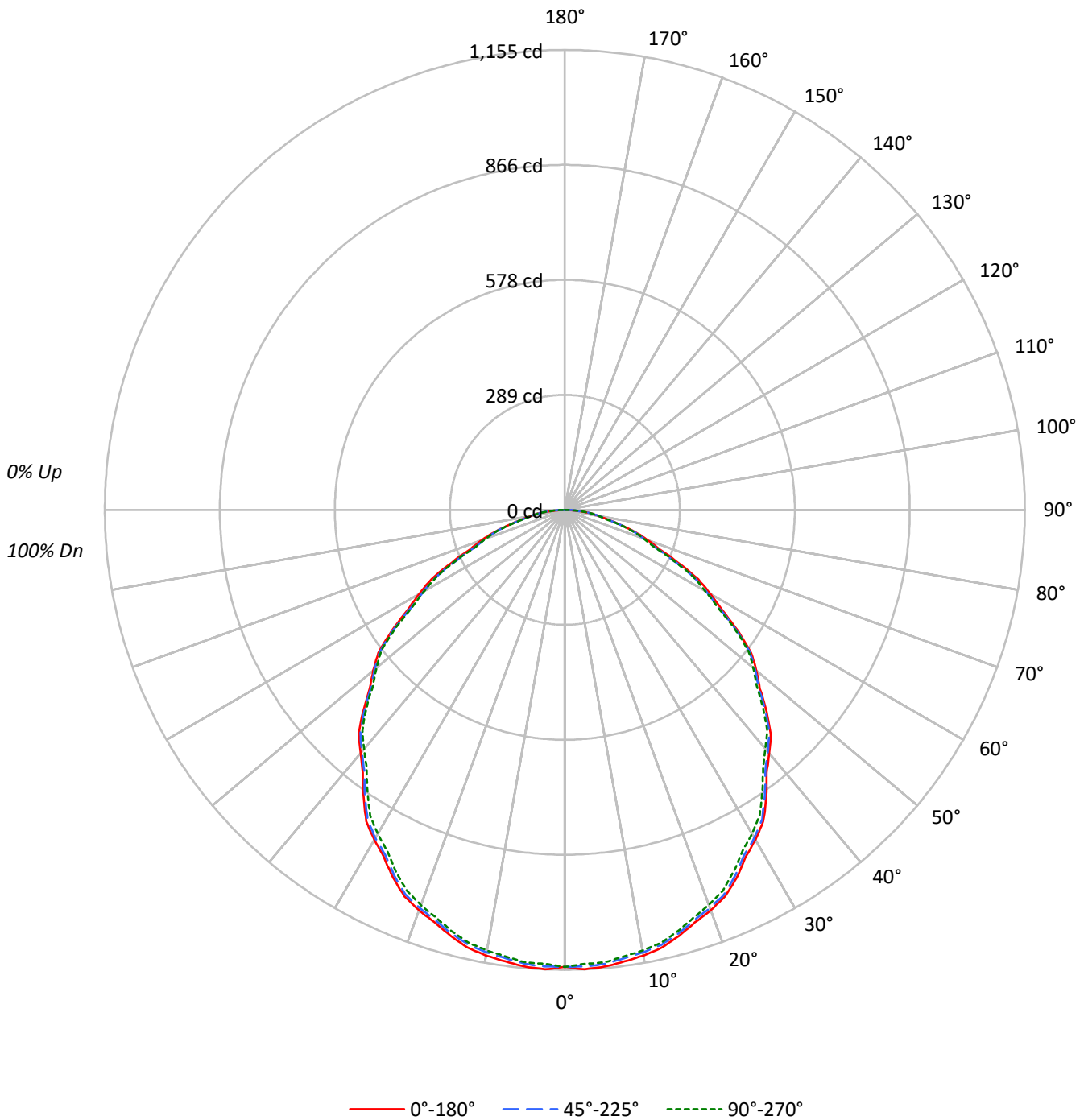
Input Watts (W): 31.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P523789

CATALOG NUMBER: SQ4-PP3-0U-075D-92765-1D-UNV-STD-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P523789

CATALOG NUMBER: SQ4-PP3-0U-075D-92765-1D-UNV-STD-W-4 (3000K)

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°	10589	10589	10589
5°	10666	10602	10565
10°	10648	10573	10526
15°	10578	10520	10463
20°	10509	10449	10370
25°	10384	10311	10210
30°	10191	10138	10009
35°	9925	9856	9732
40°	9607	9546	9438
45°	9345	9280	9187
50°	9010	8951	8865
55°	8543	8430	8364
60°	7778	7554	7518
65°	6851	6567	6545
70°	5916	5670	5670
75°	5090	5019	4948
80°	4490	4543	4436
85°	3515	3832	3832



TEST NUMBER: P523789

CATALOG NUMBER: SQ4-PP3-0U-075D-92765-1D-UNV-STD-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	3.7
10°-20°	309.9	10.5
20°-30°	464.2	15.8
30°-40°	544.4	18.5
40°-50°	546.1	18.6
50°-60°	465.9	15.9
60°-70°	303.8	10.3
70°-80°	152.4	5.2
80°-90°	42.2	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°	882.6	30.0
0°-40°	1427.0	48.6
0°-60°	2439.0	83.0
0°-90°	2937.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2937.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1148	1148	1148	1148	1148	
5°	1152	1141	1145	1141	1141	109
15°	1108	1097	1101	1097	1095	312
25°	1020	1008	1013	1004	1003	469
35°	881	872	875	865	864	550
45°	716	711	711	704	704	551
55°	531	529	524	521	520	472
65°	314	308	301	299	300	313
75°	143	143	141	140	139	155
85°	33	36	36	36	36	40
90°	0	0	0	0	0	



TEST NUMBER: P523789

CATALOG NUMBER: SQ4-PP3-OU-075D-92765-1D-UNV-STD-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1147.7	1147.7	1147.7	1147.7	1147.7
2.5°	1155.0	1145.5	1147.7	1146.0	1141.3
5°	1151.7	1140.9	1144.7	1140.7	1140.7
7.5°	1143.9	1132.1	1135.8	1131.8	1131.6
10°	1136.6	1124.8	1128.6	1124.6	1123.6
12.5°	1126.2	1114.4	1118.9	1114.1	1113.9
15°	1107.5	1096.7	1101.4	1097.4	1095.4
17.5°	1086.4	1074.6	1080.3	1074.7	1073.9
20°	1070.3	1058.5	1064.2	1056.2	1056.2
22.5°	1050.9	1039.1	1045.7	1035.3	1035.3
25°	1020.0	1008.2	1012.9	1003.8	1002.9
27.5°	983.1	971.5	976.5	966.2	966.0
30°	956.6	945.8	951.6	940.5	939.5
32.5°	927.6	917.6	921.8	910.7	909.7
35°	881.2	872.3	875.1	865.0	864.1
37.5°	832.3	823.2	826.4	817.8	817.4
40°	797.7	791.8	792.6	785.5	783.6
42.5°	765.5	758.8	759.6	752.6	752.2
45°	716.2	711.3	711.2	704.1	704.1
47.5°	663.9	660.1	659.1	653.2	653.0
50°	627.7	624.7	623.6	618.6	617.6
52.5°	589.8	588.5	585.0	580.8	580.6
55°	531.1	529.1	524.1	521.0	520.0
57.5°	467.3	463.4	457.7	453.3	454.1
60°	421.5	417.5	409.4	407.4	407.4
62.5°	377.2	372.5	364.3	361.5	363.1
65°	313.8	307.9	300.8	298.8	299.8
67.5°	256.3	251.0	243.2	243.2	242.4
70°	219.3	216.3	210.2	210.2	210.2
72.5°	186.3	184.9	180.5	180.4	179.7
75°	142.8	142.8	140.8	139.8	138.8
77.5°	107.0	107.4	106.4	105.4	103.6
80°	84.5	86.5	85.5	84.5	83.5
82.5°	63.6	65.5	65.4	63.6	63.4
85°	33.2	36.1	36.2	36.2	36.2
87.5°	8.9	12.0	12.9	12.9	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)