

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: P561584

Luminaire Tested: **SQ4-PC3-0U-075D-92765-1D-UNV-STD-W-4 (3500K)**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P561584  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: SQ4-PC3-0U-075D-92765-1D-UNV-STD-W-4 (3500K)  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PYRAMID CONTINUOUS LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 2700K/65000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3036.7 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')  
CIE Type: Direct

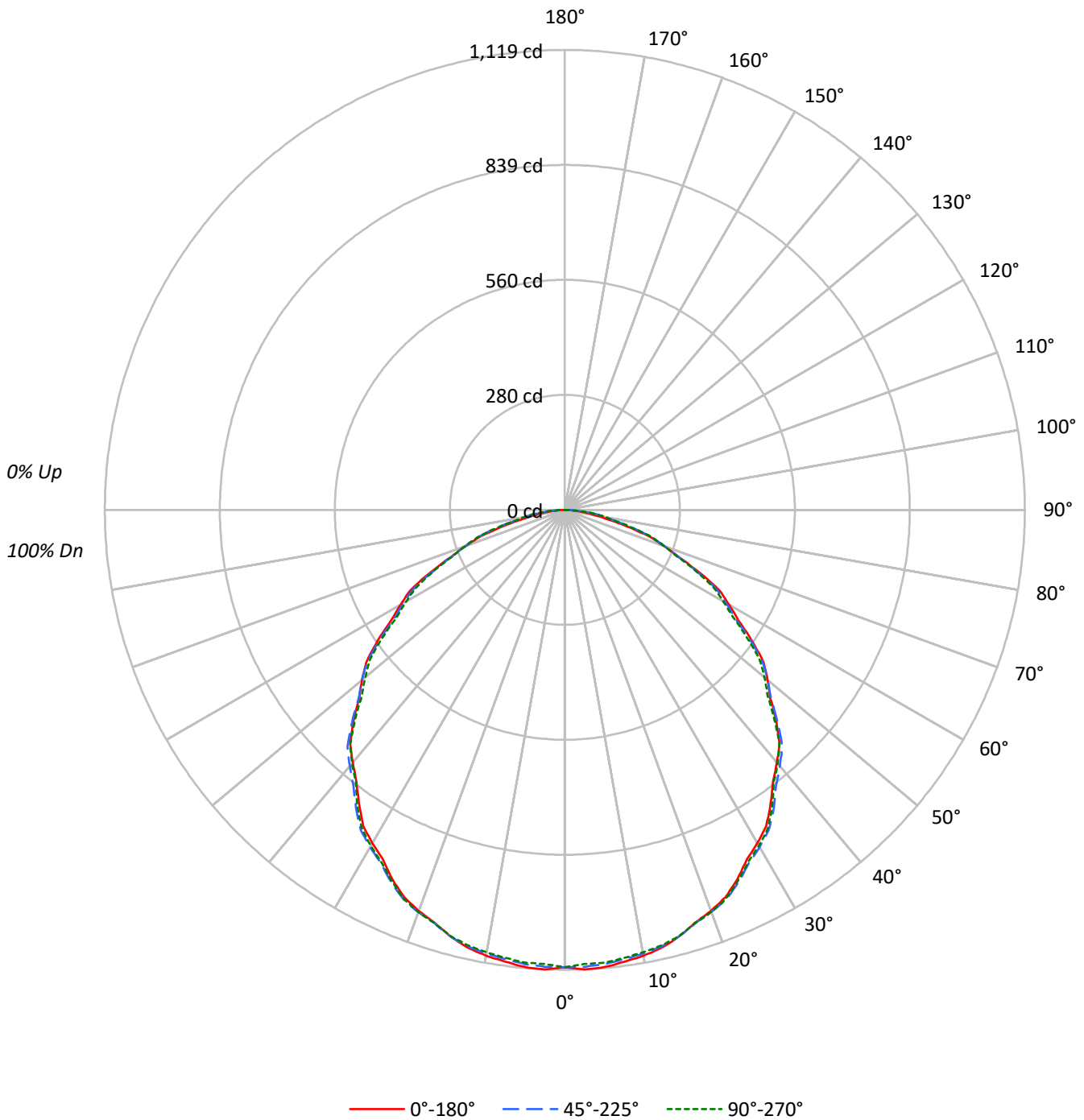
Input Watts (W): 31.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									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	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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85													85															
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71													71															
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60													60															
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51													51															
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44													44															
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39													39															
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34													34															
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31													31															
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28													28															
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25													25															

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10266	10266	10266
5°	10343	10276	10239
10°	10319	10270	10241
15°	10264	10264	10254
20°	10196	10227	10227
25°	10100	10174	10142
30°	9977	10097	10054
35°	9828	9979	9909
40°	9666	9803	9704
45°	9491	9558	9410
50°	9242	9242	9094
55°	8948	8832	8701
60°	8518	8346	8213
65°	7872	7715	7647
70°	6892	6949	6919
75°	5547	6135	6171
80°	3942	5202	5255
85°	2403	4361	4361



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.3	3.5
10°-20°	302.2	10.0
20°-30°	457.6	15.1
30°-40°	548.6	18.1
40°-50°	559.4	18.4
50°-60°	488.3	16.1
60°-70°	349.6	11.5
70°-80°	180.1	5.9
80°-90°	45.5	1.5
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°	865.1	28.5
0°-40°	1413.8	46.6
0°-60°	2461.5	81.1
0°-90°	3036.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3036.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1113	1113	1113	1113	1113	
5°	1117	1106	1110	1106	1106	106
15°	1075	1066	1075	1074	1074	303
25°	992	985	999	996	996	457
35°	873	871	886	880	880	546
45°	727	725	732	723	721	560
55°	556	549	549	541	541	496
65°	361	352	353	350	350	357
75°	156	163	172	173	173	168
85°	23	35	41	42	41	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1112.7	1112.7	1112.7	1112.7	1112.7
2.5°	1119.3	1109.6	1112.7	1110.1	1106.1
5°	1116.8	1105.7	1109.6	1106.5	1105.5
7.5°	1108.8	1097.7	1102.8	1100.7	1099.7
10°	1101.4	1090.3	1096.2	1094.1	1093.1
12.5°	1091.5	1081.2	1088.0	1085.9	1085.7
15°	1074.6	1065.5	1074.6	1074.5	1073.5
17.5°	1053.3	1045.1	1054.8	1055.4	1054.8
20°	1038.5	1029.4	1041.6	1040.6	1041.6
22.5°	1020.4	1012.9	1025.9	1023.3	1024.3
25°	992.1	985.1	999.4	996.3	996.3
27.5°	958.8	953.7	969.3	966.0	966.0
30°	936.5	931.5	947.8	943.7	943.7
32.5°	911.8	908.4	923.9	919.0	919.0
35°	872.6	870.6	886.0	879.8	879.8
37.5°	832.2	830.4	844.4	836.9	834.5
40°	802.6	801.6	813.9	805.7	805.7
42.5°	772.9	771.9	782.6	772.7	772.7
45°	727.4	725.4	732.5	723.2	721.2
47.5°	677.7	675.7	680.2	670.1	669.1
50°	643.9	641.9	643.9	634.6	633.6
52.5°	609.3	605.7	606.0	596.7	596.5
55°	556.3	549.3	549.1	540.9	540.9
57.5°	500.3	491.0	491.8	484.8	483.8
60°	461.6	451.5	452.3	446.1	445.1
62.5°	423.6	412.0	414.4	407.4	407.2
65°	360.6	352.5	353.4	350.3	350.3
67.5°	300.0	292.6	298.0	295.5	295.3
70°	255.5	250.5	257.6	257.5	256.5
72.5°	214.3	214.1	222.9	223.0	223.6
75°	155.6	162.6	172.1	173.1	173.1
77.5°	103.9	116.3	126.7	127.1	126.9
80°	74.2	88.3	97.9	99.9	98.9
82.5°	50.3	65.2	73.1	75.2	74.2
85°	22.7	34.8	41.2	42.2	41.2
87.5°	6.6	13.8	16.5	16.4	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)