

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: P562830

Luminaire Tested: **SQ4-PC3-0U-075D-930-1D-UNV-STD-W-4**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P562830  
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-930-1D-UNV-STD-W-4  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PYRAMID CONTINUOUS LENS.  
DOWNLIGHT 750 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

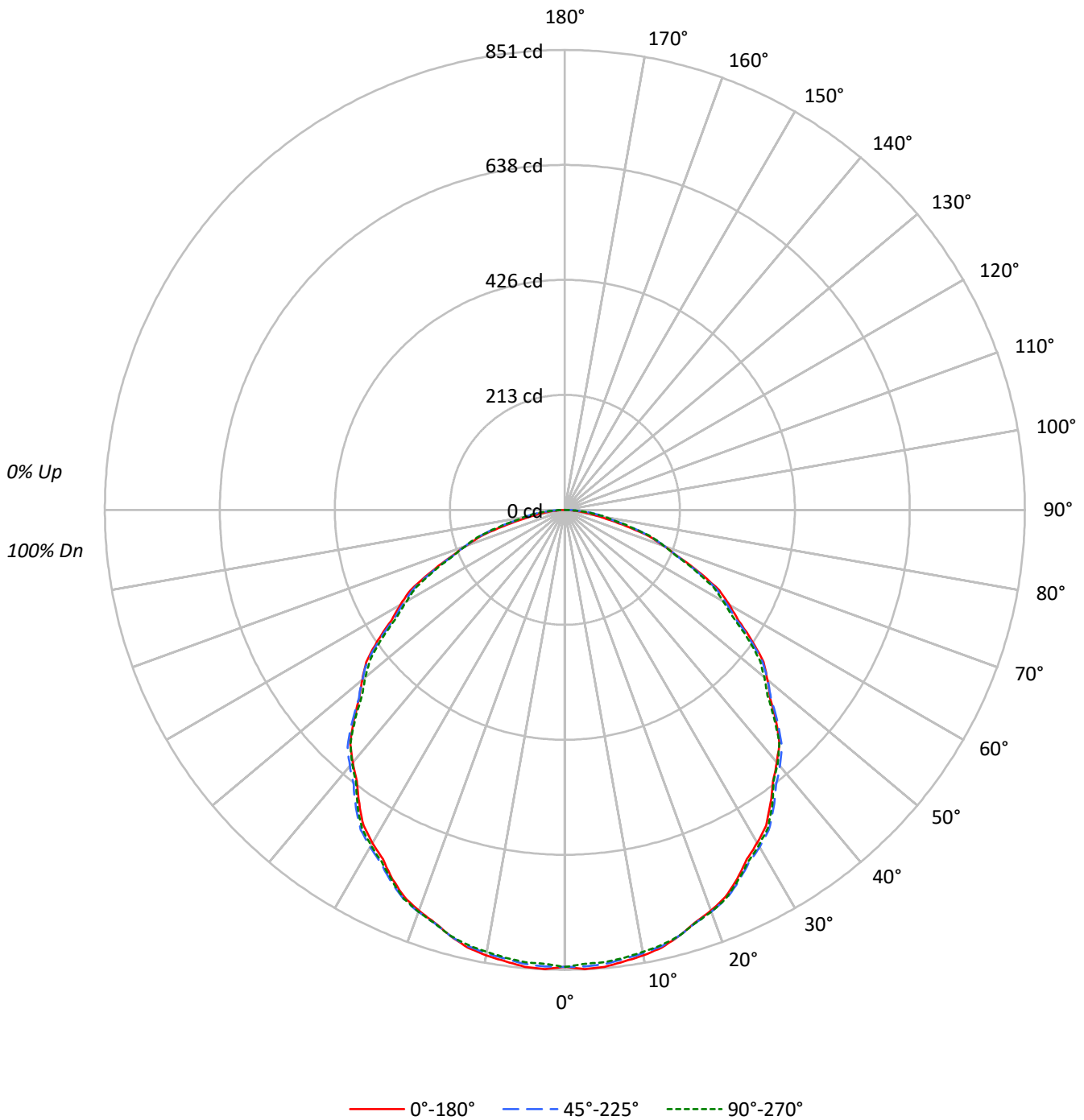
Lumens per Lamp: N/A  
Luminaire Lumens: 2308.1 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 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									20
RC	80									50									30									10									0									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°	7803	7803	7803
5°	7862	7811	7781
10°	7842	7806	7783
15°	7801	7801	7794
20°	7750	7773	7773
25°	7677	7733	7708
30°	7583	7675	7642
35°	7471	7585	7532
40°	7347	7450	7376
45°	7213	7265	7153
50°	7025	7025	6913
55°	6803	6714	6613
60°	6473	6344	6242
65°	5984	5864	5811
70°	5239	5282	5260
75°	4214	4663	4691
80°	2997	3953	3995
85°	1821	3313	3313



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.0	3.5
10°-20°	229.7	10.0
20°-30°	347.8	15.1
30°-40°	417.0	18.1
40°-50°	425.2	18.4
50°-60°	371.2	16.1
60°-70°	265.7	11.5
70°-80°	136.9	5.9
80°-90°	34.6	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°	657.6	28.5
0°-40°	1074.5	46.6
0°-60°	1870.9	81.1
0°-90°	2308.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2308.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	846	846	846	846	846	
5°	849	840	843	841	840	81
15°	817	810	817	817	816	230
25°	754	749	760	757	757	347
35°	663	662	673	669	669	415
45°	553	551	557	550	548	426
55°	423	418	417	411	411	377
65°	274	268	269	266	266	271
75°	118	124	131	132	132	128
85°	17	26	31	32	31	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	845.7	845.7	845.7	845.7	845.7
2.5°	850.7	843.4	845.7	843.8	840.7
5°	848.9	840.4	843.4	841.0	840.2
7.5°	842.7	834.3	838.2	836.6	835.9
10°	837.1	828.7	833.2	831.6	830.8
12.5°	829.6	821.8	826.9	825.4	825.2
15°	816.7	809.9	816.7	816.7	816.0
17.5°	800.6	794.3	801.7	802.2	801.7
20°	789.3	782.4	791.7	790.9	791.7
22.5°	775.6	769.9	779.8	777.8	778.5
25°	754.1	748.7	759.6	757.2	757.2
27.5°	728.7	724.9	736.7	734.2	734.2
30°	711.8	708.0	720.4	717.3	717.3
32.5°	693.0	690.4	702.3	698.5	698.5
35°	663.3	661.7	673.4	668.7	668.7
37.5°	632.6	631.2	641.8	636.1	634.3
40°	610.0	609.2	618.6	612.4	612.4
42.5°	587.5	586.7	594.8	587.3	587.3
45°	552.8	551.3	556.8	549.7	548.2
47.5°	515.1	513.6	517.0	509.3	508.5
50°	489.4	487.9	489.4	482.4	481.6
52.5°	463.1	460.4	460.6	453.6	453.4
55°	422.9	417.5	417.4	411.1	411.1
57.5°	380.3	373.2	373.8	368.5	367.7
60°	350.8	343.2	343.8	339.1	338.3
62.5°	322.0	313.1	315.0	309.6	309.5
65°	274.1	267.9	268.6	266.2	266.2
67.5°	228.0	222.4	226.5	224.6	224.4
70°	194.2	190.4	195.8	195.8	195.0
72.5°	162.9	162.7	169.5	169.5	169.9
75°	118.2	123.6	130.8	131.6	131.6
77.5°	78.9	88.4	96.3	96.6	96.5
80°	56.4	67.1	74.4	75.9	75.2
82.5°	38.2	49.5	55.6	57.1	56.4
85°	17.2	26.4	31.3	32.1	31.3
87.5°	5.0	10.5	12.5	12.5	11.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)