

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: P562807

Luminaire Tested: **SQ4-PC3-0U-050D-930-1D-UNV-STD-W-6**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P562807  
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-050D-930-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PYRAMID CONTINUOUS LENS.  
DOWNLIGHT 500 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

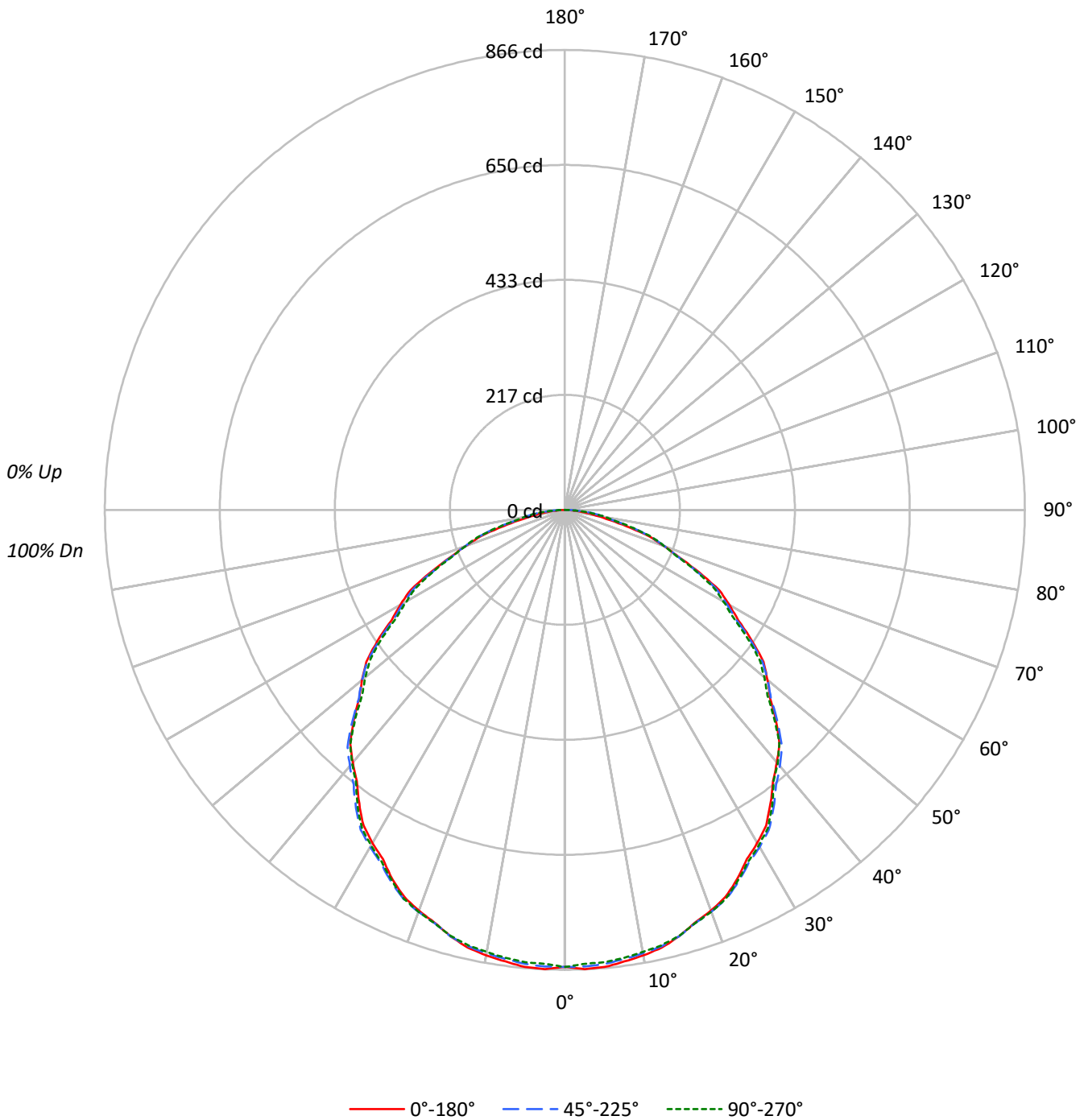
Lumens per Lamp: N/A  
Luminaire Lumens: 2349.0 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 0.29' x L: 6' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.7  
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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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

	0°	45°	90°
0°	5294	5294	5294
5°	5334	5299	5280
10°	5321	5296	5281
15°	5293	5293	5288
20°	5258	5274	5274
25°	5209	5246	5230
30°	5145	5207	5185
35°	5068	5146	5110
40°	4985	5055	5004
45°	4894	4929	4853
50°	4766	4766	4690
55°	4615	4555	4487
60°	4392	4304	4235
65°	4059	3979	3944
70°	3554	3582	3568
75°	2859	3163	3182
80°	2033	2681	2710
85°	1235	2251	2251



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.5	3.5
10°-20°	233.8	10.0
20°-30°	354.0	15.1
30°-40°	424.4	18.1
40°-50°	432.7	18.4
50°-60°	377.7	16.1
60°-70°	270.4	11.5
70°-80°	139.3	5.9
80°-90°	35.2	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°	669.2	28.5
0°-40°	1093.6	46.6
0°-60°	1904.1	81.1
0°-90°	2349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2349.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	861	861	861	861	861	
5°	864	855	858	856	855	82
15°	831	824	831	831	830	234
25°	768	762	773	771	771	353
35°	675	674	685	681	681	422
45°	563	561	567	559	558	433
55°	430	425	425	418	418	384
65°	279	273	273	271	271	276
75°	120	126	133	134	134	130
85°	18	27	32	33	32	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	860.7	860.7	860.7	860.7	860.7
2.5°	865.8	858.3	860.7	858.7	855.6
5°	863.9	855.3	858.3	855.9	855.1
7.5°	857.7	849.1	853.1	851.4	850.7
10°	851.9	843.4	848.0	846.3	845.6
12.5°	844.3	836.3	841.6	840.0	839.8
15°	831.2	824.2	831.2	831.2	830.4
17.5°	814.8	808.4	815.9	816.4	815.9
20°	803.3	796.3	805.7	804.9	805.7
22.5°	789.3	783.5	793.6	791.5	792.3
25°	767.5	762.0	773.0	770.6	770.6
27.5°	741.6	737.7	749.8	747.2	747.2
30°	724.4	720.5	733.2	730.0	730.0
32.5°	705.3	702.6	714.7	710.9	710.9
35°	675.0	673.5	685.4	680.6	680.6
37.5°	643.8	642.4	653.2	647.4	645.5
40°	620.8	620.0	629.6	623.2	623.2
42.5°	597.9	597.1	605.4	597.7	597.7
45°	562.6	561.1	566.6	559.4	557.9
47.5°	524.2	522.7	526.1	518.3	517.5
50°	498.1	496.5	498.1	490.9	490.1
52.5°	471.3	468.5	468.8	461.6	461.4
55°	430.4	424.9	424.8	418.4	418.4
57.5°	387.0	379.8	380.5	375.0	374.2
60°	357.0	349.2	349.9	345.1	344.3
62.5°	327.7	318.7	320.5	315.1	315.0
65°	278.9	272.7	273.4	271.0	271.0
67.5°	232.1	226.3	230.5	228.6	228.4
70°	197.6	193.7	199.2	199.2	198.4
72.5°	165.8	165.6	172.5	172.5	172.9
75°	120.3	125.8	133.1	133.9	133.9
77.5°	80.3	90.0	98.0	98.3	98.2
80°	57.4	68.3	75.7	77.3	76.5
82.5°	38.9	50.4	56.6	58.2	57.4
85°	17.5	26.9	31.9	32.7	31.9
87.5°	5.1	10.7	12.8	12.7	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)