

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: P563479

Luminaire Tested: **SQ4-PP3-0U-050D-930-1D-UNV-STD-W-6**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P563479
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-172-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: SQ4-PP3-0U-050D-930-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS.
DOWNLIGHT 500 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

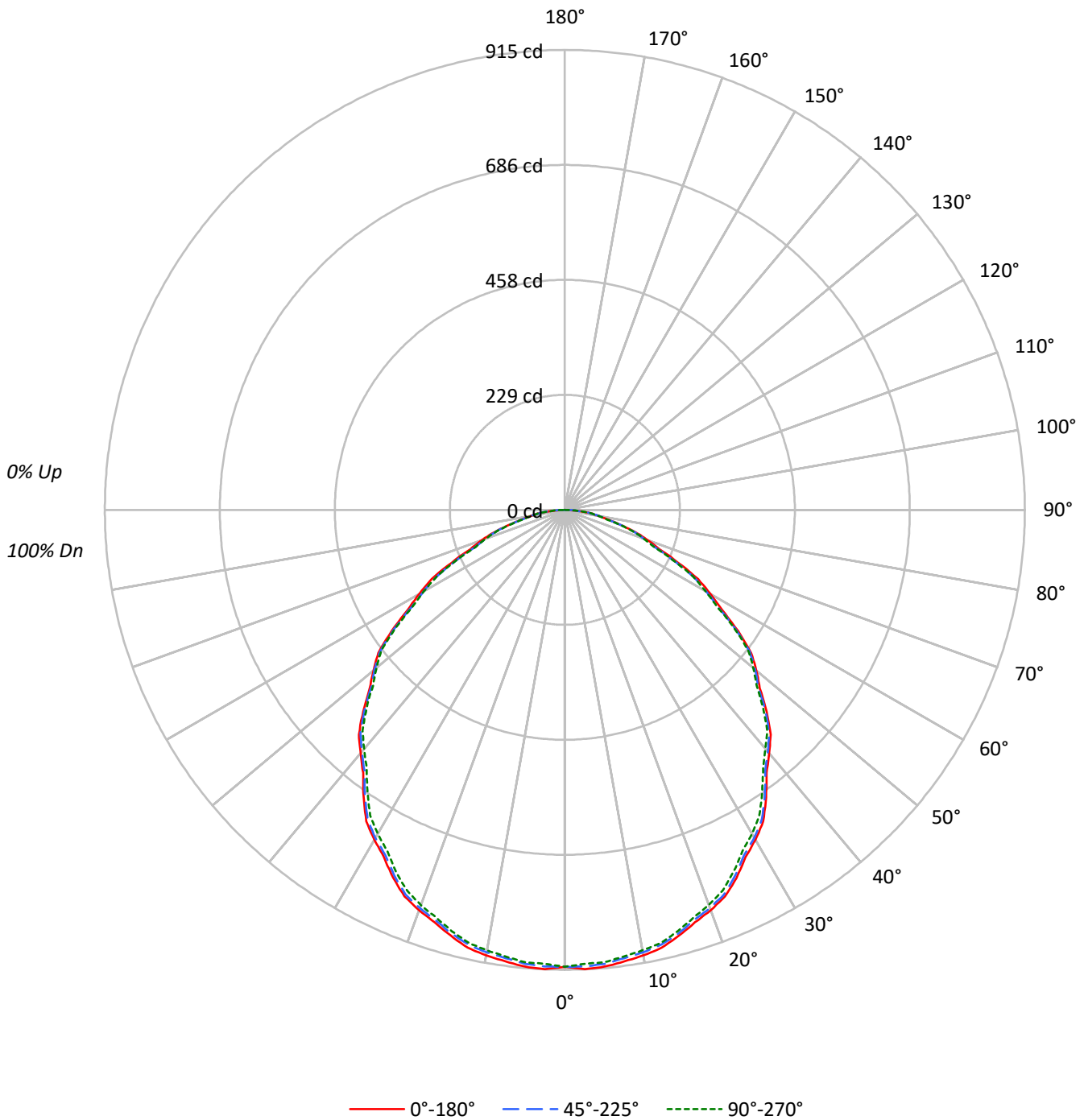
Lumens per Lamp: N/A
Luminaire Lumens: 2326.8 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 6' x H: 0')
CIE Type: Direct

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	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°	5592	5592	5592
5°	5633	5598	5578
10°	5623	5584	5559
15°	5586	5556	5525
20°	5549	5518	5476
25°	5483	5445	5391
30°	5381	5353	5286
35°	5241	5205	5139
40°	5073	5041	4984
45°	4935	4900	4851
50°	4758	4727	4681
55°	4511	4451	4417
60°	4106	3989	3970
65°	3618	3467	3455
70°	3124	2994	2994
75°	2688	2650	2614
80°	2370	2398	2341
85°	1856	2025	2025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	3.7
10°-20°	245.5	10.5
20°-30°	367.7	15.8
30°-40°	431.2	18.5
40°-50°	432.6	18.6
50°-60°	369.0	15.9
60°-70°	240.7	10.3
70°-80°	120.7	5.2
80°-90°	33.4	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°	699.1	30.0
0°-40°	1130.3	48.6
0°-60°	1931.9	83.0
0°-90°	2326.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2326.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	912	904	907	904	904	87
15°	877	869	872	869	868	247
25°	808	799	802	795	794	372
35°	698	691	693	685	684	436
45°	567	563	563	558	558	437
55°	421	419	415	413	412	374
65°	249	244	238	237	237	248
75°	113	113	112	111	110	123
85°	26	29	29	29	29	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	909.1	909.1	909.1	909.1	909.1
2.5°	914.8	907.4	909.1	907.7	904.0
5°	912.3	903.7	906.7	903.5	903.5
7.5°	906.1	896.7	899.7	896.5	896.4
10°	900.3	891.0	894.0	890.8	890.0
12.5°	892.1	882.7	886.3	882.5	882.3
15°	877.2	868.7	872.5	869.2	867.7
17.5°	860.5	851.2	855.7	851.2	850.6
20°	847.8	838.4	843.0	836.6	836.6
22.5°	832.5	823.1	828.3	820.0	820.0
25°	807.9	798.6	802.3	795.1	794.4
27.5°	778.8	769.6	773.5	765.4	765.2
30°	757.7	749.1	753.7	745.0	744.2
32.5°	734.8	726.8	730.1	721.4	720.6
35°	698.0	690.9	693.2	685.2	684.4
37.5°	659.2	652.1	654.6	647.8	647.4
40°	631.8	627.2	627.8	622.2	620.7
42.5°	606.3	601.0	601.7	596.1	595.8
45°	567.3	563.4	563.3	557.7	557.7
47.5°	525.9	522.9	522.0	517.4	517.3
50°	497.2	494.8	494.0	490.0	489.2
52.5°	467.2	466.1	463.4	460.0	459.9
55°	420.7	419.1	415.1	412.7	411.9
57.5°	370.2	367.1	362.5	359.0	359.7
60°	333.8	330.7	324.3	322.7	322.7
62.5°	298.8	295.0	288.6	286.4	287.6
65°	248.6	243.9	238.2	236.7	237.4
67.5°	203.0	198.8	192.7	192.6	192.0
70°	173.7	171.4	166.5	166.5	166.5
72.5°	147.6	146.5	142.9	142.9	142.3
75°	113.1	113.1	111.5	110.7	110.0
77.5°	84.8	85.1	84.3	83.5	82.1
80°	66.9	68.5	67.7	66.9	66.1
82.5°	50.4	51.9	51.8	50.4	50.2
85°	26.3	28.6	28.7	28.7	28.7
87.5°	7.0	9.5	10.2	10.2	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)