

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: P562871

Luminaire Tested: **SQ4-PC3-0U-125D-835-1D-UNV-STD-W-6**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P562871
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-125D-835-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PYRAMID CONTINUOUS LENS.
DOWNLIGHT 1250 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

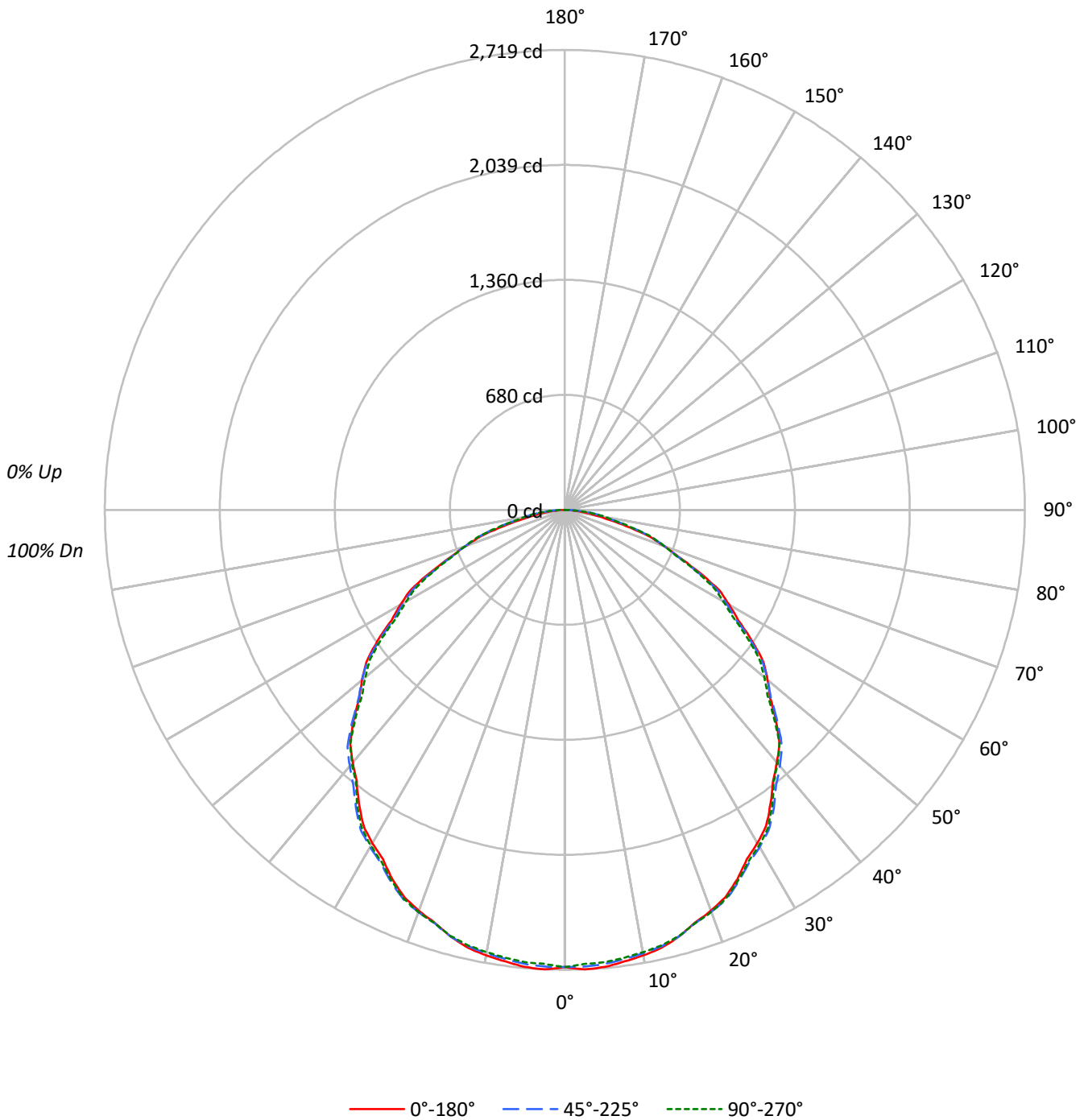
Lumens per Lamp: N/A
Luminaire Lumens: 7377.3 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 0.29' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 69.7
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°	16626	16626	16626
5°	16751	16643	16582
10°	16711	16633	16585
15°	16623	16623	16607
20°	16514	16563	16563
25°	16358	16477	16426
30°	16159	16354	16283
35°	15918	16163	16049
40°	15655	15876	15715
45°	15370	15479	15240
50°	14969	14969	14729
55°	14493	14305	14091
60°	13794	13517	13300
65°	12749	12495	12385
70°	11163	11252	11207
75°	8981	9934	9993
80°	6383	8423	8512
85°	3889	7064	7064



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.8	3.5
10°-20°	734.1	10.0
20°-30°	1111.7	15.1
30°-40°	1332.8	18.1
40°-50°	1359.0	18.4
50°-60°	1186.3	16.1
60°-70°	849.3	11.5
70°-80°	437.5	5.9
80°-90°	110.6	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°	2101.7	28.5
0°-40°	3434.5	46.6
0°-60°	5979.9	81.1
0°-90°	7377.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7377.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2703	2703	2703	2703	2703	
5°	2713	2686	2696	2688	2686	258
15°	2610	2588	2610	2610	2608	736
25°	2410	2393	2428	2420	2420	1109
35°	2120	2115	2152	2137	2137	1326
45°	1767	1762	1780	1757	1752	1360
55°	1352	1334	1334	1314	1314	1205
65°	876	856	858	851	851	866
75°	378	395	418	420	420	408
85°	55	84	100	103	100	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2703.1	2703.1	2703.1	2703.1	2703.1
2.5°	2719.1	2695.6	2703.1	2696.9	2687.1
5°	2713.1	2686.2	2695.6	2688.0	2685.6
7.5°	2693.6	2666.7	2679.1	2674.0	2671.6
10°	2675.6	2648.6	2663.1	2658.0	2655.5
12.5°	2651.5	2626.6	2643.0	2638.0	2637.5
15°	2610.5	2588.5	2610.5	2610.4	2608.0
17.5°	2558.9	2538.9	2562.4	2563.9	2562.4
20°	2522.9	2500.9	2530.4	2528.0	2530.4
22.5°	2478.8	2460.7	2492.4	2485.9	2488.4
25°	2410.3	2393.1	2427.8	2420.3	2420.3
27.5°	2329.2	2316.9	2354.7	2346.7	2346.7
30°	2275.1	2262.9	2302.6	2292.6	2292.6
32.5°	2215.0	2206.7	2244.6	2232.6	2232.6
35°	2119.9	2115.0	2152.5	2137.4	2137.4
37.5°	2021.8	2017.4	2051.4	2033.2	2027.3
40°	1949.7	1947.3	1977.3	1957.2	1957.2
42.5°	1877.7	1875.2	1901.2	1877.2	1877.2
45°	1767.0	1762.1	1779.5	1756.9	1752.0
47.5°	1646.4	1641.5	1652.4	1627.8	1625.4
50°	1564.3	1559.4	1564.3	1541.7	1539.3
52.5°	1480.2	1471.4	1472.2	1449.6	1449.2
55°	1351.5	1334.4	1334.0	1314.0	1314.0
57.5°	1215.4	1192.9	1194.9	1177.8	1175.3
60°	1121.3	1096.8	1098.8	1083.7	1081.2
62.5°	1029.2	1000.8	1006.7	989.6	989.1
65°	876.0	856.4	858.5	851.0	851.0
67.5°	728.8	710.7	723.8	717.8	717.3
70°	620.7	608.5	625.7	625.7	623.2
72.5°	520.6	520.1	541.6	541.7	543.1
75°	377.9	395.1	418.0	420.5	420.5
77.5°	252.3	282.6	307.9	308.8	308.4
80°	180.2	214.5	237.8	242.7	240.3
82.5°	122.1	158.4	177.7	182.7	180.2
85°	55.1	84.4	100.1	102.6	100.1
87.5°	16.0	33.6	40.0	40.0	36.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)