

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: P563526

Luminaire Tested: **SQ4-PP3-0U-100D-930-1D-UNV-STD-W-4**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P563526
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-100D-930-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS.
DOWNLIGHT 1000 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

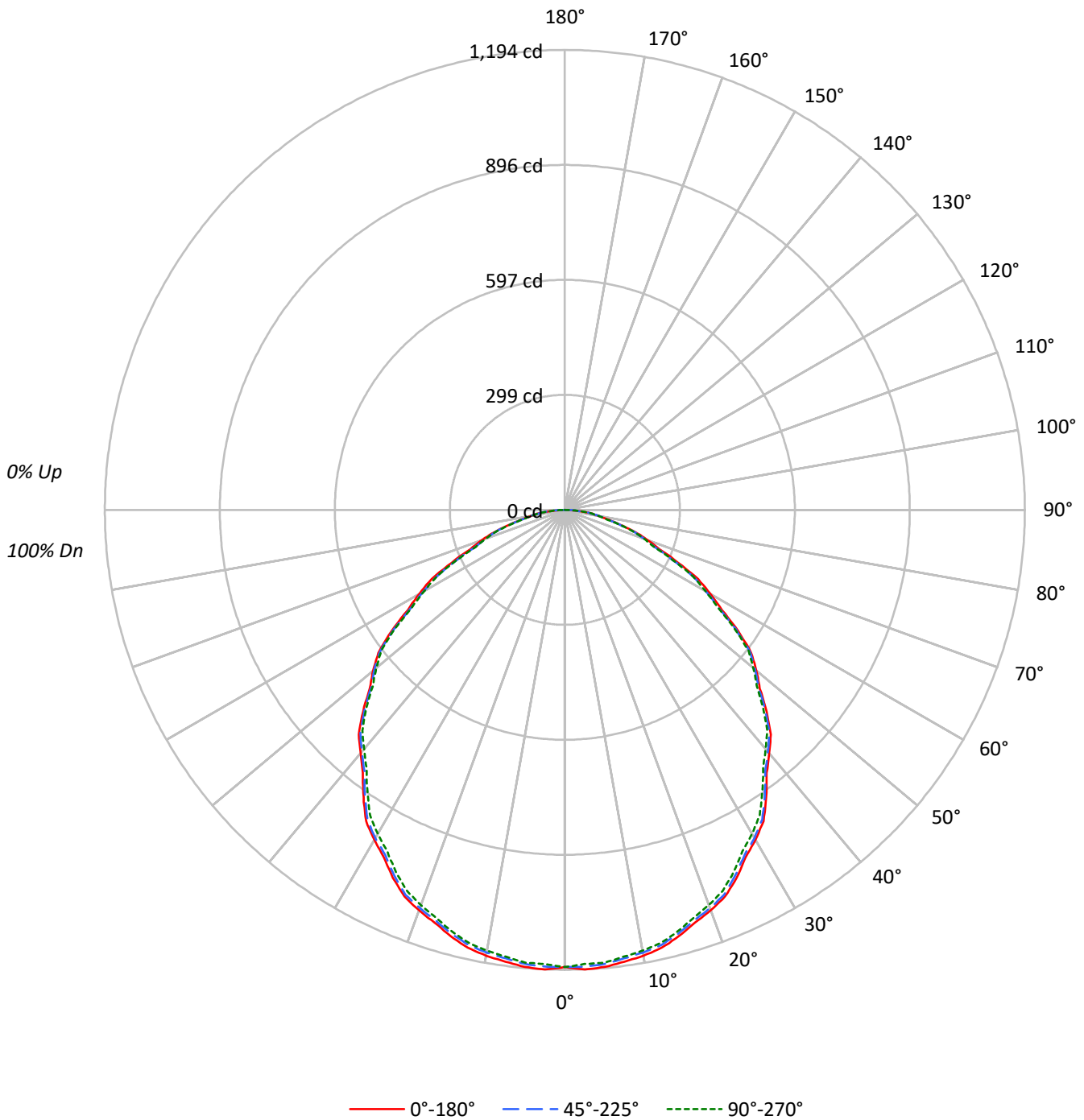
Lumens per Lamp: N/A
Luminaire Lumens: 3037.8 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.8
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	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	64		72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49		60	53	48		58	52	48	46
6	72	59	50	44	70	58	49	43	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		49	43	38		48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10951	10951	10951
5°	11031	10964	10925
10°	11013	10934	10885
15°	10940	10879	10820
20°	10867	10806	10724
25°	10738	10664	10558
30°	10540	10484	10351
35°	10263	10193	10065
40°	9935	9872	9759
45°	9663	9595	9501
50°	9317	9257	9168
55°	8834	8718	8651
60°	8043	7813	7774
65°	7084	6789	6768
70°	6118	5864	5864
75°	5265	5190	5119
80°	4644	4697	4585
85°	3631	3959	3959



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	3.7
10°-20°	320.5	10.5
20°-30°	480.0	15.8
30°-40°	563.0	18.5
40°-50°	564.8	18.6
50°-60°	481.8	15.9
60°-70°	314.2	10.3
70°-80°	157.6	5.2
80°-90°	43.6	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°	912.7	30.0
0°-40°	1475.7	48.6
0°-60°	2522.3	83.0
0°-90°	3037.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3037.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1187	1187	1187	1187	1187	
5°	1191	1180	1184	1180	1180	113
15°	1145	1134	1139	1135	1133	323
25°	1055	1043	1048	1038	1037	485
35°	911	902	905	895	894	569
45°	741	736	735	728	728	570
55°	549	547	542	539	538	488
65°	324	318	311	309	310	324
75°	148	148	146	145	144	160
85°	34	37	37	37	37	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1186.9	1186.9	1186.9	1186.9	1186.9
2.5°	1194.4	1184.6	1186.9	1185.1	1180.2
5°	1191.1	1179.9	1183.8	1179.6	1179.6
7.5°	1182.9	1170.7	1174.6	1170.5	1170.3
10°	1175.5	1163.2	1167.1	1162.9	1161.9
12.5°	1164.6	1152.4	1157.1	1152.1	1151.9
15°	1145.3	1134.1	1139.0	1134.8	1132.8
17.5°	1123.4	1111.2	1117.2	1111.4	1110.5
20°	1106.8	1094.6	1100.6	1092.2	1092.2
22.5°	1086.8	1074.6	1081.4	1070.6	1070.6
25°	1054.8	1042.6	1047.5	1038.1	1037.1
27.5°	1016.7	1004.7	1009.8	999.2	999.0
30°	989.3	978.1	984.1	972.6	971.6
32.5°	959.3	948.9	953.3	941.8	940.8
35°	911.2	902.1	905.0	894.6	893.6
37.5°	860.7	851.3	854.6	845.7	845.3
40°	824.9	818.8	819.7	812.4	810.3
42.5°	791.6	784.7	785.6	778.3	777.9
45°	740.6	735.6	735.4	728.2	728.2
47.5°	686.5	682.7	681.6	675.5	675.3
50°	649.1	646.0	644.9	639.7	638.7
52.5°	610.0	608.6	605.0	600.6	600.4
55°	549.2	547.2	542.0	538.8	537.8
57.5°	483.3	479.2	473.3	468.7	469.6
60°	435.9	431.8	423.4	421.3	421.3
62.5°	390.1	385.2	376.8	373.9	375.5
65°	324.5	318.4	311.0	309.0	310.0
67.5°	265.0	259.6	251.5	251.5	250.7
70°	226.8	223.7	217.4	217.4	217.4
72.5°	192.6	191.2	186.6	186.6	185.8
75°	147.7	147.7	145.6	144.6	143.6
77.5°	110.7	111.1	110.1	109.0	107.1
80°	87.4	89.4	88.4	87.4	86.3
82.5°	65.7	67.8	67.6	65.7	65.5
85°	34.3	37.4	37.4	37.4	37.4
87.5°	9.2	12.4	13.3	13.3	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)