

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P845099

Luminaire Tested: **SQ4P-PP3-0U-075D-B35-1D-UNV**

Issue Date: 8/14/2023



Test Information

Test Method: LM-79-08
Report Number: P845099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P563482)
Test Lab: INNOVATION CENTER
Issue Date: 8/14/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: SQ4P-PP3-0U-075D-B35-1D-UNV
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH, DIRECT ONLY 750 LUMENS PER FOOT DOWNLIGHT

Light Source: -
Ballast/Driver: -

Summary

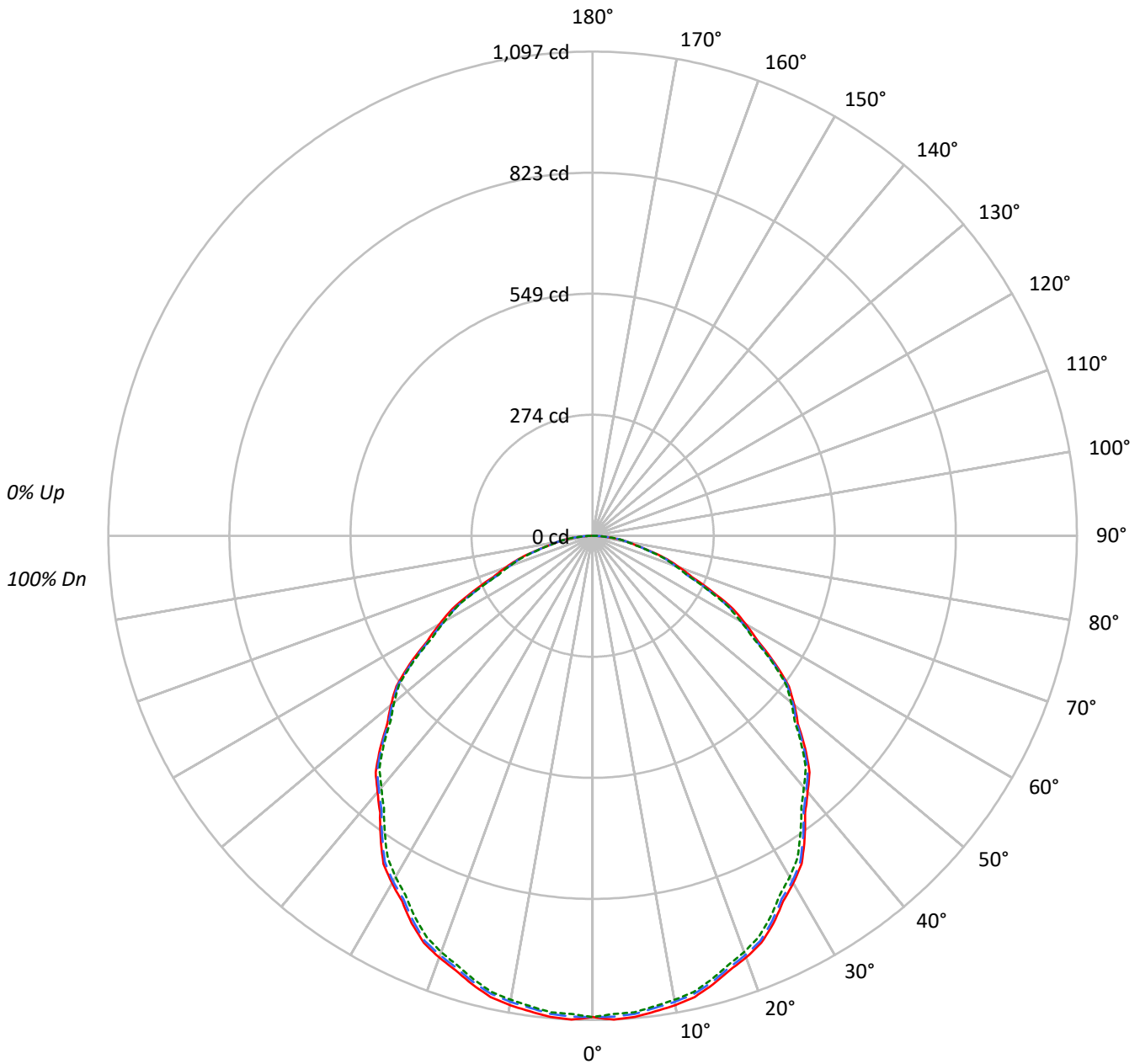
Lumens per Lamp: N/A
Luminaire Lumens: 2790.9 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.6
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
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°	10061	10061	10061
5°	10134	10072	10037
10°	10117	10046	10001
15°	10051	9996	9940
20°	9983	9927	9852
25°	9865	9797	9701
30°	9683	9632	9509
35°	9429	9365	9246
40°	9127	9069	8967
45°	8879	8816	8728
50°	8559	8504	8421
55°	8115	8011	7949
60°	7388	7180	7141
65°	6512	6237	6217
70°	5616	5387	5387
75°	4837	4770	4698
80°	4261	4314	4213
85°	3335	3642	3642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	3.7
10°-20°	294.4	10.5
20°-30°	441.0	15.8
30°-40°	517.3	18.5
40°-50°	518.9	18.6
50°-60°	442.7	15.9
60°-70°	288.7	10.3
70°-80°	144.8	5.2
80°-90°	40.1	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°	838.5	30.0
0°-40°	1355.8	48.6
0°-60°	2317.3	83.0
0°-90°	2790.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2790.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1094	1084	1088	1084	1084	104
15°	1052	1042	1046	1043	1041	297
25°	969	958	962	954	953	446
35°	837	829	832	822	821	523
45°	680	676	676	669	669	524
55°	504	503	498	495	494	448
65°	298	293	286	284	285	298
75°	136	136	134	133	132	147
85°	32	34	34	34	34	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1090.5	1090.5	1090.5	1090.5	1090.5
2.5°	1097.3	1088.4	1090.5	1088.9	1084.3
5°	1094.2	1084.1	1087.5	1083.7	1083.7
7.5°	1086.8	1075.6	1079.1	1075.3	1075.2
10°	1079.9	1068.7	1072.3	1068.4	1067.5
12.5°	1070.1	1058.8	1063.1	1058.5	1058.3
15°	1052.3	1041.9	1046.5	1042.6	1040.7
17.5°	1032.1	1020.9	1026.4	1021.1	1020.3
20°	1016.8	1005.6	1011.1	1003.4	1003.4
22.5°	998.5	987.3	993.5	983.6	983.6
25°	969.1	957.8	962.4	953.7	952.9
27.5°	934.1	923.1	927.9	918.0	917.8
30°	908.9	898.5	904.1	893.5	892.6
32.5°	881.4	871.8	875.8	865.2	864.3
35°	837.2	828.8	831.5	821.9	820.9
37.5°	790.8	782.2	785.1	776.9	776.6
40°	757.8	752.2	753.0	746.3	744.5
42.5°	727.3	720.9	721.7	714.9	714.6
45°	680.5	675.7	675.7	668.9	668.9
47.5°	630.8	627.2	626.2	620.5	620.4
50°	596.3	593.5	592.5	587.7	586.7
52.5°	560.4	559.1	555.8	551.8	551.6
55°	504.5	502.7	498.0	495.0	494.2
57.5°	444.1	440.3	434.9	430.8	431.4
60°	400.4	396.6	389.1	387.0	387.0
62.5°	358.4	353.9	346.2	343.6	345.0
65°	298.3	292.6	285.7	283.9	284.8
67.5°	243.6	238.4	231.0	231.0	230.4
70°	208.2	205.5	199.7	199.7	199.7
72.5°	176.9	175.7	171.5	171.3	170.7
75°	135.7	135.7	133.8	132.8	131.8
77.5°	101.7	102.0	101.2	100.2	98.3
80°	80.2	82.2	81.2	80.2	79.3
82.5°	60.5	62.2	62.1	60.5	60.2
85°	31.5	34.2	34.4	34.4	34.4
87.5°	8.4	11.4	12.2	12.2	13.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)