

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: P562835

Luminaire Tested: **SQ4-PC3-0U-075D-935-1D-UNV-STD-W-6**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P562835  
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-075D-935-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PYRAMID CONTINUOUS LENS.  
DOWNLIGHT 750 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

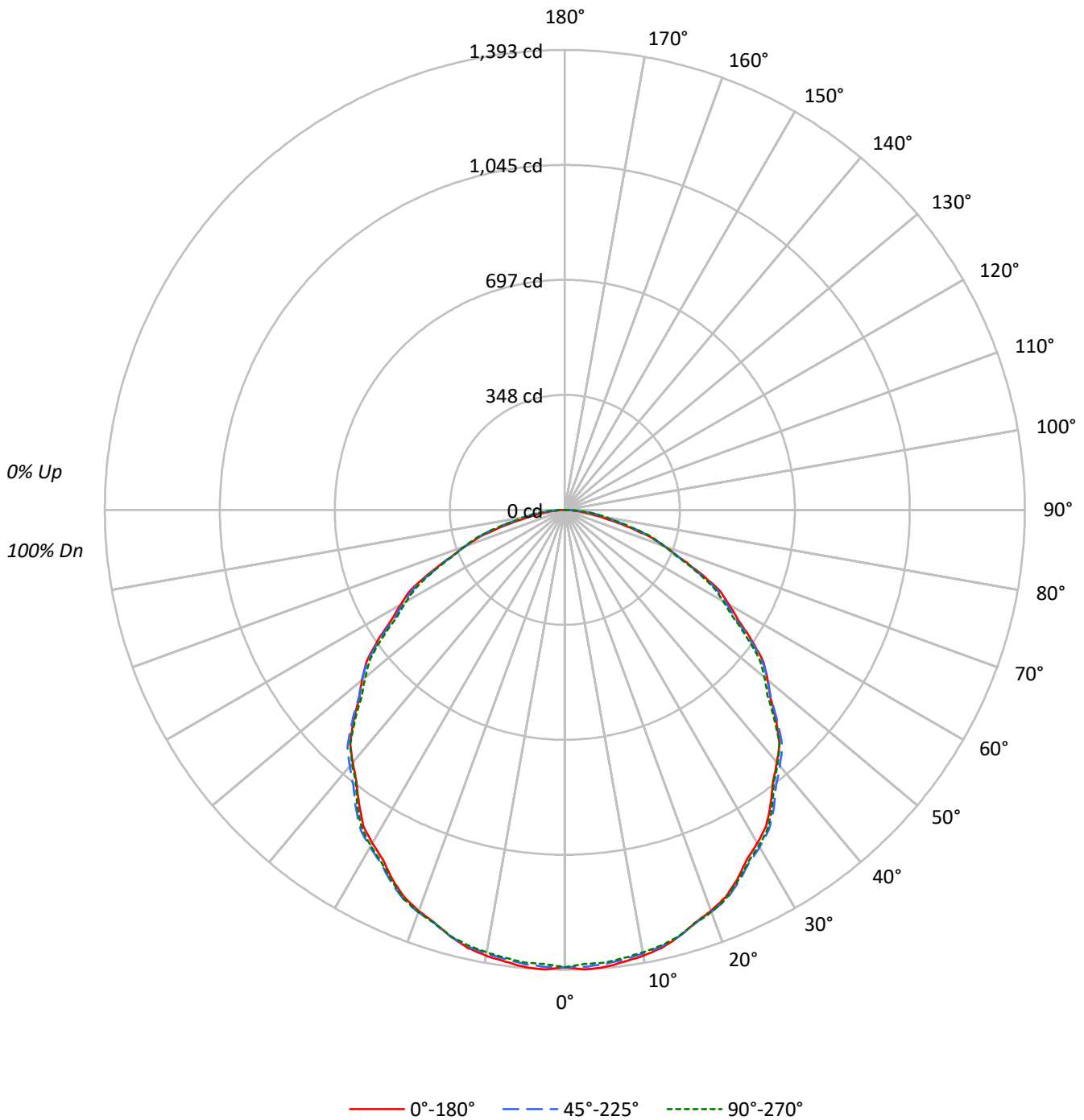
Lumens per Lamp: N/A  
Luminaire Lumens: 3780.4 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 0.29' x L: 6' x H: 0')  
CIE Type: Direct

Input Watts (W): 40.4  
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°	8520	8520	8520
5°	8584	8529	8497
10°	8563	8523	8499
15°	8518	8518	8510
20°	8462	8488	8488
25°	8382	8443	8417
30°	8281	8381	8344
35°	8157	8282	8224
40°	8022	8135	8053
45°	7877	7932	7810
50°	7670	7670	7548
55°	7427	7331	7220
60°	7069	6926	6816
65°	6533	6402	6347
70°	5721	5766	5744
75°	4603	5090	5121
80°	3269	4314	4360
85°	1990	3620	3620



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.1	3.5
10°-20°	376.2	10.0
20°-30°	569.7	15.1
30°-40°	683.0	18.1
40°-50°	696.4	18.4
50°-60°	607.9	16.1
60°-70°	435.2	11.5
70°-80°	224.2	5.9
80°-90°	56.7	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°	1077.0	28.5
0°-40°	1760.0	46.6
0°-60°	3064.3	81.1
0°-90°	3780.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3780.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1385	1385	1385	1385	1385	
5°	1390	1376	1381	1377	1376	132
15°	1338	1326	1338	1338	1336	377
25°	1235	1226	1244	1240	1240	568
35°	1086	1084	1103	1095	1095	679
45°	906	903	912	900	898	697
55°	693	684	684	673	673	617
65°	449	439	440	436	436	444
75°	194	202	214	216	216	209
85°	28	43	51	53	51	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1385.2	1385.2	1385.2	1385.2	1385.2
2.5°	1393.4	1381.3	1385.2	1382.0	1377.0
5°	1390.3	1376.5	1381.3	1377.4	1376.2
7.5°	1380.3	1366.5	1372.9	1370.3	1369.0
10°	1371.1	1357.3	1364.7	1362.1	1360.8
12.5°	1358.8	1346.0	1354.4	1351.8	1351.6
15°	1337.7	1326.4	1337.7	1337.7	1336.4
17.5°	1311.3	1301.0	1313.1	1313.8	1313.1
20°	1292.8	1281.5	1296.7	1295.4	1296.7
22.5°	1270.3	1261.0	1277.2	1273.9	1275.1
25°	1235.1	1226.3	1244.1	1240.2	1240.2
27.5°	1193.6	1187.3	1206.6	1202.5	1202.5
30°	1165.9	1159.6	1180.0	1174.8	1174.8
32.5°	1135.1	1130.8	1150.2	1144.0	1144.0
35°	1086.3	1083.8	1103.0	1095.3	1095.3
37.5°	1036.1	1033.8	1051.2	1041.9	1038.9
40°	999.1	997.9	1013.2	1003.0	1003.0
42.5°	962.2	960.9	974.2	961.9	961.9
45°	905.5	903.0	911.9	900.3	897.8
47.5°	843.7	841.2	846.8	834.2	832.9
50°	801.6	799.1	801.6	790.0	788.8
52.5°	758.5	754.0	754.4	742.9	742.6
55°	692.6	683.8	683.6	673.3	673.3
57.5°	622.8	611.3	612.3	603.5	602.3
60°	574.6	562.0	563.0	555.3	554.1
62.5°	527.4	512.8	515.8	507.1	506.9
65°	448.9	438.9	439.9	436.1	436.1
67.5°	373.5	364.2	370.9	367.8	367.6
70°	318.1	311.8	320.6	320.6	319.4
72.5°	266.8	266.5	277.5	277.6	278.3
75°	193.7	202.4	214.2	215.5	215.5
77.5°	129.3	144.8	157.8	158.3	158.0
80°	92.3	109.9	121.8	124.4	123.1
82.5°	62.6	81.1	91.1	93.6	92.3
85°	28.2	43.3	51.3	52.6	51.3
87.5°	8.2	17.2	20.5	20.5	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)