

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: P563511

Luminaire Tested: **SQ4-PP3-0U-075D-940-1D-UNV-STD-W-6**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P563511
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-075D-940-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS.
DOWNLIGHT 750 LUMENS PER FOOT
DIRECT ONLY
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

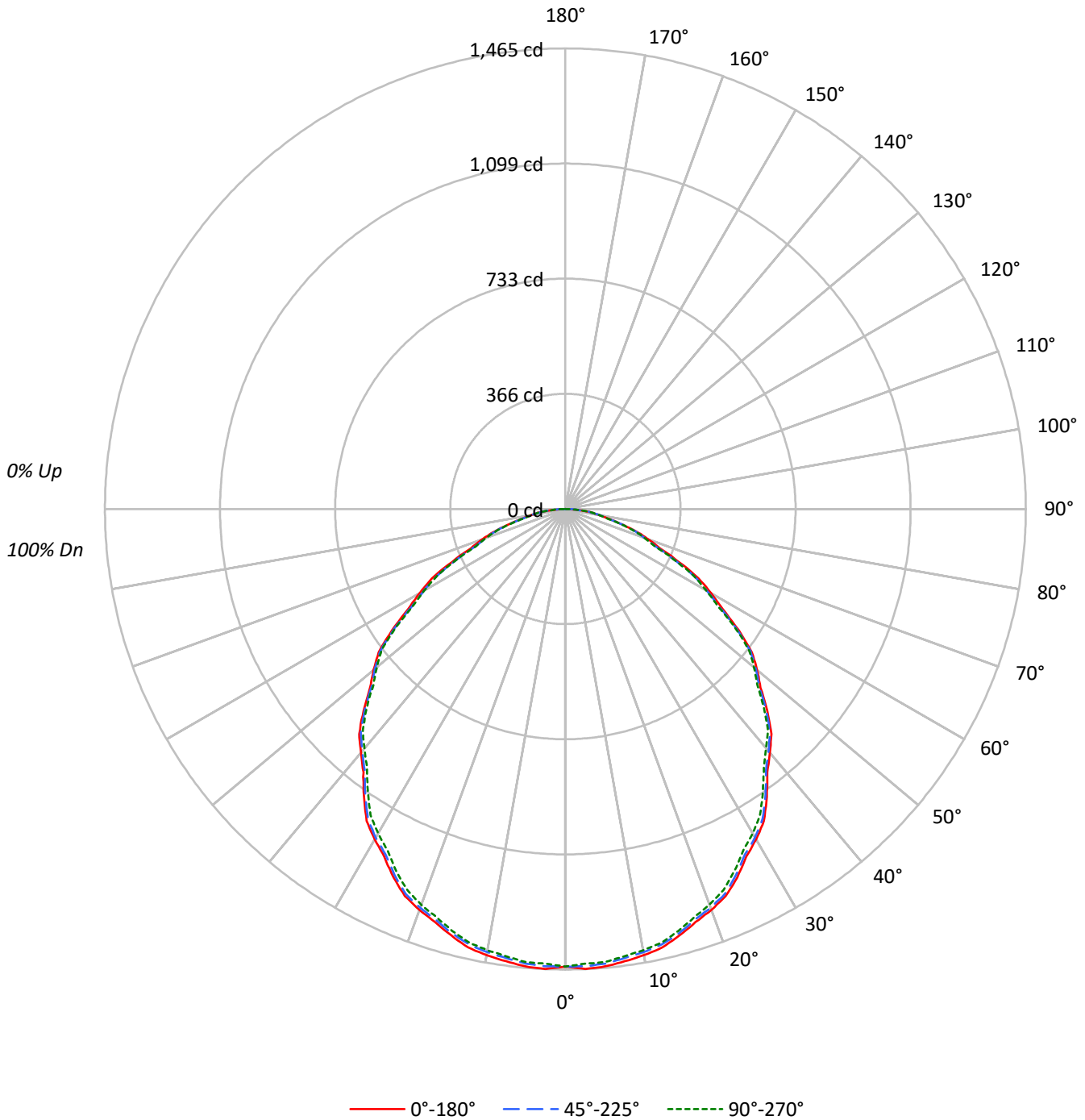
Lumens per Lamp: N/A
Luminaire Lumens: 3725.6 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	8953	8953	8953
5°	9019	8964	8932
10°	9004	8940	8900
15°	8944	8895	8847
20°	8885	8835	8768
25°	8779	8719	8632
30°	8617	8572	8463
35°	8392	8334	8229
40°	8123	8072	7980
45°	7901	7846	7768
50°	7618	7569	7495
55°	7223	7128	7073
60°	6575	6387	6356
65°	5793	5551	5533
70°	5001	4794	4794
75°	4306	4244	4185
80°	3797	3840	3751
85°	2971	3239	3239



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.6	3.7
10°-20°	393.0	10.5
20°-30°	588.7	15.8
30°-40°	690.5	18.5
40°-50°	692.7	18.6
50°-60°	590.9	15.9
60°-70°	385.4	10.3
70°-80°	193.3	5.2
80°-90°	53.5	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°	1119.3	30.0
0°-40°	1809.9	48.6
0°-60°	3093.4	83.0
0°-90°	3725.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3725.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1456	1456	1456	1456	1456	
5°	1461	1447	1452	1447	1447	139
15°	1405	1391	1397	1392	1389	396
25°	1294	1279	1285	1273	1272	595
35°	1118	1106	1110	1097	1096	698
45°	908	902	902	893	893	699
55°	674	671	665	661	660	599
65°	398	391	381	379	380	397
75°	181	181	179	177	176	197
85°	42	46	46	46	46	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1455.6	1455.6	1455.6	1455.6	1455.6
2.5°	1464.8	1452.8	1455.6	1453.5	1447.5
5°	1460.7	1447.0	1451.8	1446.7	1446.7
7.5°	1450.8	1435.8	1440.6	1435.5	1435.2
10°	1441.6	1426.6	1431.4	1426.3	1425.0
12.5°	1428.3	1413.4	1419.1	1413.0	1412.8
15°	1404.6	1390.9	1396.9	1391.8	1389.3
17.5°	1377.8	1362.8	1370.2	1363.0	1362.0
20°	1357.4	1342.4	1349.7	1339.5	1339.5
22.5°	1332.9	1317.9	1326.3	1313.0	1313.0
25°	1293.6	1278.6	1284.7	1273.2	1271.9
27.5°	1246.9	1232.2	1238.5	1225.5	1225.2
30°	1213.2	1199.5	1206.9	1192.8	1191.6
32.5°	1176.5	1163.8	1169.1	1155.0	1153.8
35°	1117.6	1106.3	1109.9	1097.1	1095.9
37.5°	1055.6	1044.1	1048.2	1037.2	1036.7
40°	1011.7	1004.2	1005.3	996.3	993.8
42.5°	970.8	962.4	963.4	954.5	954.0
45°	908.3	902.1	902.0	893.0	893.0
47.5°	842.0	837.3	835.9	828.5	828.2
50°	796.1	792.3	791.0	784.6	783.3
52.5°	748.1	746.4	742.0	736.6	736.4
55°	673.6	671.1	664.7	660.8	659.6
57.5°	592.7	587.7	580.5	574.9	575.9
60°	534.5	529.6	519.2	516.7	516.7
62.5°	478.4	472.4	462.1	458.6	460.5
65°	398.0	390.6	381.4	378.9	380.2
67.5°	325.1	318.3	308.5	308.5	307.5
70°	278.1	274.4	266.6	266.6	266.6
72.5°	236.3	234.5	228.9	228.8	227.8
75°	181.2	181.2	178.6	177.3	176.1
77.5°	135.7	136.2	135.0	133.6	131.4
80°	107.2	109.7	108.4	107.1	105.9
82.5°	80.6	83.1	82.9	80.6	80.4
85°	42.1	45.8	45.9	45.9	45.9
87.5°	11.2	15.2	16.3	16.4	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)