

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: P523819

Luminaire Tested: **SQ4-PP3-0U-125D-92765-1D-UNV-STD-W-4 (5000K)**

Issue Date: 5/24/2021

Test Information

Test Method: LM-79-2019
Report Number: P523819
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-172-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/24/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: SQ4-PP3-0U-125D-92765-1D-UNV-STD-W-4 (5000K)
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS
DOWNLIGHT 1250 LUMENS PER FOOT
DIRECT ONLY
Light Source: 2700K/65000K CCT, 90 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

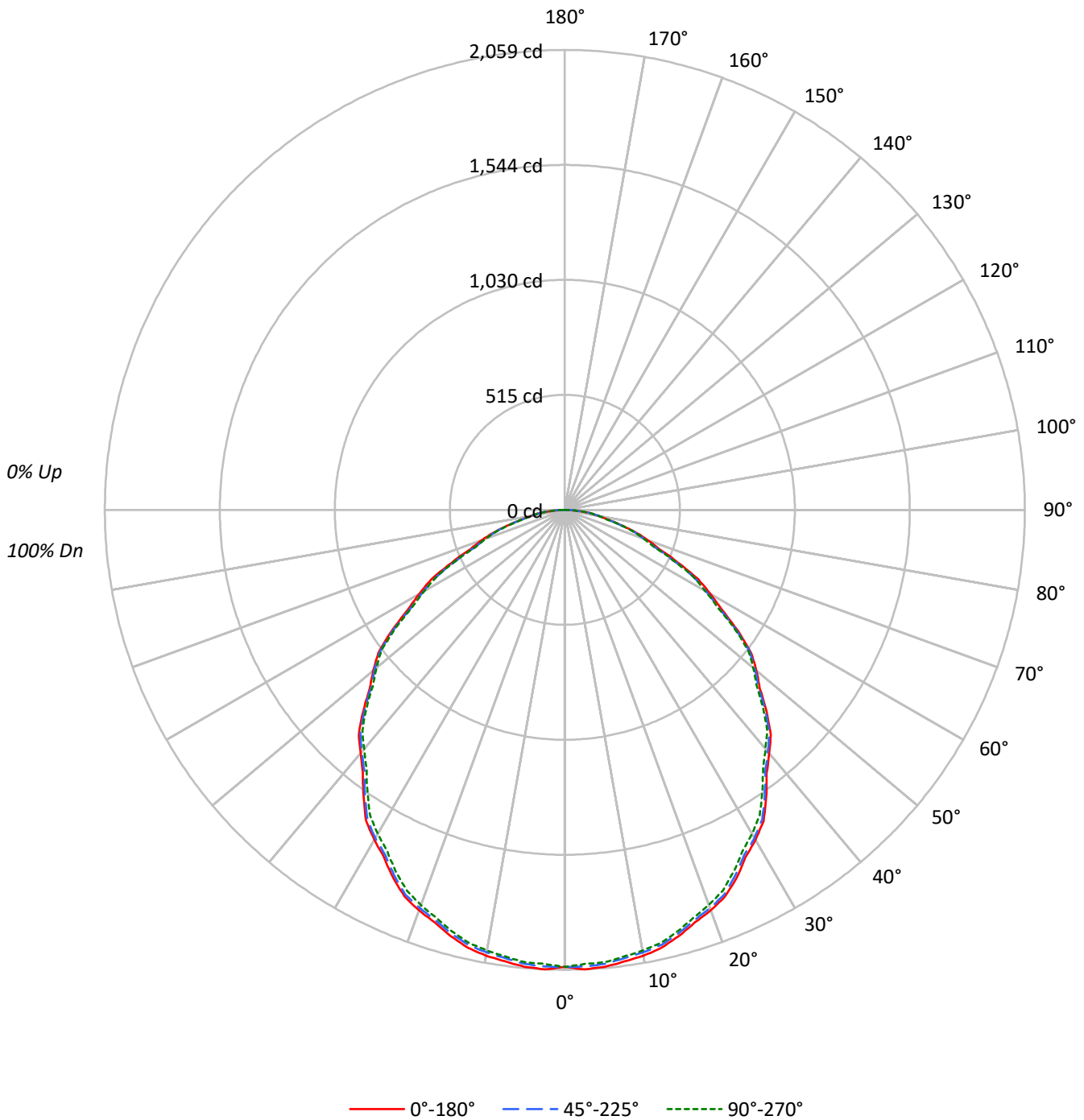
Lumens per Lamp: N/A
Luminaire Lumens: 5237.4 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 55.7
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	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°	18880	18880	18880
5°	19018	18902	18836
10°	18986	18852	18768
15°	18861	18758	18655
20°	18735	18630	18489
25°	18513	18385	18203
30°	18171	18075	17846
35°	17695	17574	17352
40°	17129	17021	16827
45°	16661	16545	16380
50°	16063	15960	15806
55°	15231	15030	14914
60°	13867	13468	13402
65°	12217	11706	11667
70°	10547	10110	10110
75°	9079	8951	8823
80°	8002	8097	7911
85°	6267	6838	6838



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.5	3.7
10°-20°	552.5	10.5
20°-30°	827.6	15.8
30°-40°	970.7	18.5
40°-50°	973.7	18.6
50°-60°	830.7	15.9
60°-70°	541.7	10.3
70°-80°	271.8	5.2
80°-90°	75.2	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°	1573.6	30.0
0°-40°	2544.3	48.6
0°-60°	4348.7	83.0
0°-90°	5237.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5237.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2046	2046	2046	2046	2046	
5°	2054	2034	2041	2034	2034	195
15°	1975	1955	1964	1957	1953	557
25°	1819	1798	1806	1790	1788	836
35°	1571	1555	1560	1542	1541	981
45°	1277	1268	1268	1255	1255	983
55°	947	943	934	929	927	842
65°	560	549	536	533	534	558
75°	255	255	251	249	248	276
85°	59	64	65	65	65	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2046.3	2046.3	2046.3	2046.3	2046.3
2.5°	2059.2	2042.4	2046.3	2043.3	2034.8
5°	2053.5	2034.2	2040.9	2033.8	2033.8
7.5°	2039.5	2018.5	2025.2	2018.0	2017.6
10°	2026.6	2005.6	2012.3	2005.0	2003.3
12.5°	2007.9	1986.9	1995.0	1986.4	1986.1
15°	1974.6	1955.3	1963.8	1956.6	1953.1
17.5°	1936.9	1915.9	1926.2	1916.1	1914.7
20°	1908.2	1887.2	1897.5	1883.1	1883.1
22.5°	1873.8	1852.8	1864.5	1845.8	1845.8
25°	1818.6	1797.5	1806.0	1789.8	1788.1
27.5°	1752.9	1732.2	1741.1	1722.8	1722.4
30°	1705.6	1686.3	1696.6	1676.8	1675.1
32.5°	1653.9	1636.0	1643.5	1623.7	1622.0
35°	1571.1	1555.3	1560.3	1542.3	1540.6
37.5°	1483.9	1467.8	1473.5	1458.1	1457.4
40°	1422.2	1411.7	1413.2	1400.6	1397.1
42.5°	1364.8	1352.9	1354.4	1341.8	1341.1
45°	1276.9	1268.2	1268.0	1255.4	1255.4
47.5°	1183.7	1177.0	1175.1	1164.7	1164.3
50°	1119.1	1113.9	1111.9	1102.9	1101.2
52.5°	1051.7	1049.2	1043.1	1035.5	1035.2
55°	946.9	943.4	934.4	929.0	927.2
57.5°	833.2	826.2	816.0	808.2	809.6
60°	751.5	744.4	729.9	726.3	726.3
62.5°	672.5	664.1	649.6	644.6	647.4
65°	559.6	549.0	536.2	532.7	534.4
67.5°	457.0	447.5	433.7	433.6	432.2
70°	391.0	385.7	374.8	374.8	374.8
72.5°	332.1	329.7	321.7	321.7	320.3
75°	254.7	254.7	251.1	249.2	247.5
77.5°	190.8	191.5	189.7	187.9	184.7
80°	150.6	154.2	152.4	150.6	148.9
82.5°	113.3	116.9	116.6	113.3	113.0
85°	59.2	64.4	64.6	64.6	64.6
87.5°	15.8	21.4	23.0	23.0	24.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)