

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: P561974

Luminaire Tested: **SQ4-PR1-0U-125D-92765-1D-UNV-STD-W-4 (3500K)**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P561974
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: SQ4-PR1-0U-125D-92765-1D-UNV-STD-W-4 (3500K)
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE RIPPLE CONTINUOUS LENS
DOWNLIGHT 1250 LUMENS PER FOOT
DIRECT ONLY
Light Source: 2700K/65000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4976.7 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.35
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

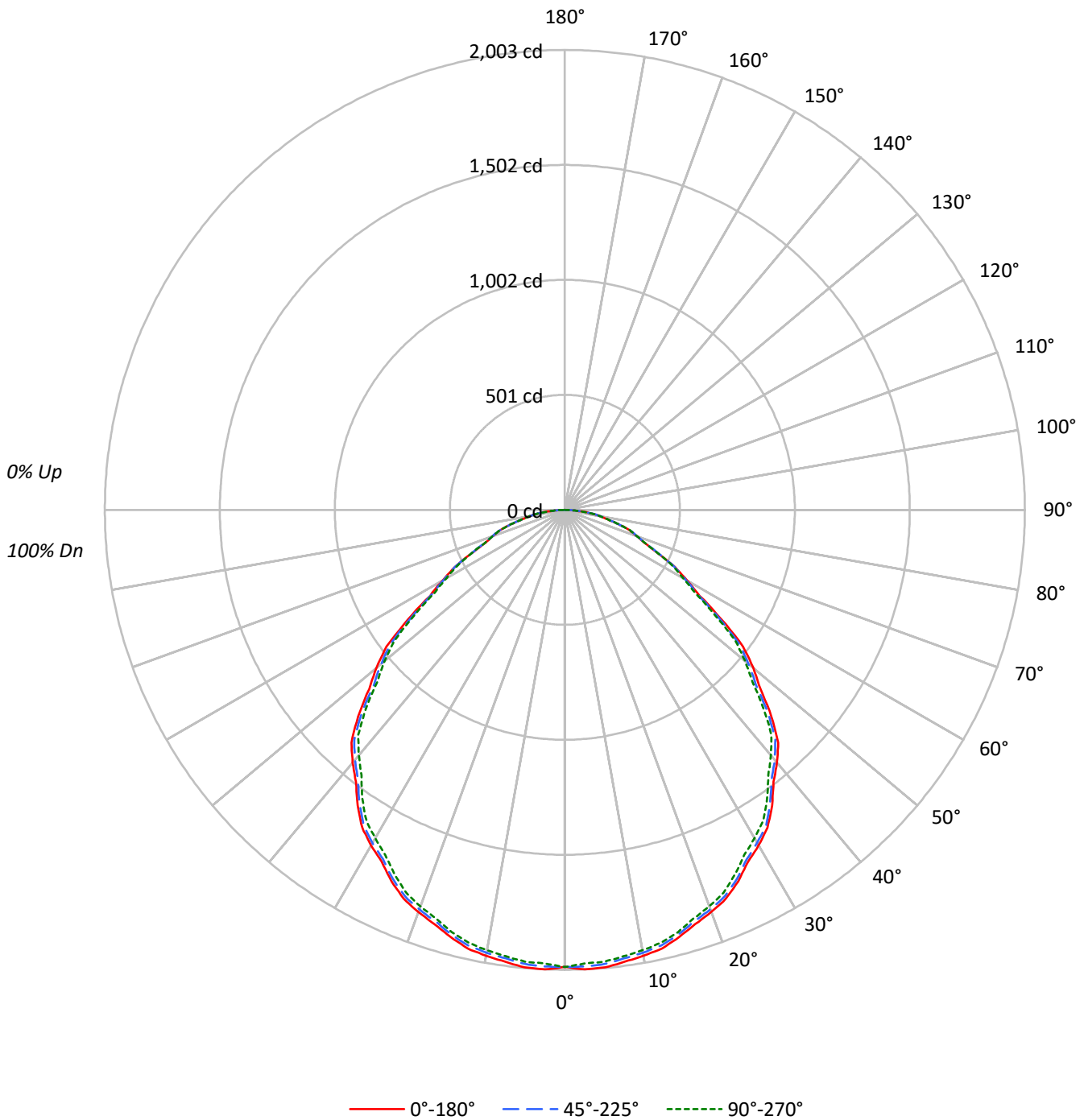
Input Watts (W): 55.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72				
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62				
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54				
5	78	66	57	51	76	65	57	50	63	55	50	61	54	49	59	53	49	47				
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41				
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37				
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33				
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30				
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18368	18368	18368
5°	18533	18390	18294
10°	18474	18345	18249
15°	18393	18278	18180
20°	18300	18183	18048
25°	18171	18049	17839
30°	17976	17848	17592
35°	17710	17556	17305
40°	17306	17120	16811
45°	16601	16310	15974
50°	15358	14989	14694
55°	13404	13102	12825
60°	11295	11201	10979
65°	9769	9809	9732
70°	8975	9021	9021
75°	8620	8620	8680
80°	8108	8198	8108
85°	6531	7262	7262



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.3	3.8
10°-20°	538.6	10.8
20°-30°	812.4	16.3
30°-40°	968.0	19.5
40°-50°	954.4	19.2
50°-60°	729.4	14.7
60°-70°	451.4	9.1
70°-80°	256.4	5.2
80°-90°	78.0	1.6
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°	1539.3	30.9
0°-40°	2507.3	50.4
0°-60°	4191.0	84.2
0°-90°	4976.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4976.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1991	1991	1991	1991	1991	
5°	2001	1979	1986	1979	1975	190
15°	1926	1906	1914	1907	1903	543
25°	1785	1763	1773	1754	1752	821
35°	1572	1554	1559	1538	1536	981
45°	1272	1256	1250	1228	1224	975
55°	833	820	814	801	797	747
65°	448	444	449	446	446	453
75°	242	242	242	244	244	255
85°	62	65	69	69	69	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1990.8	1990.8	1990.8	1990.8	1990.8
2.5°	2003.1	1985.7	1990.8	1986.4	1977.1
5°	2001.1	1979.3	1985.6	1978.7	1975.3
7.5°	1985.6	1964.2	1970.5	1963.6	1961.6
10°	1971.9	1951.8	1958.2	1951.3	1947.9
12.5°	1956.8	1935.4	1943.1	1934.8	1931.4
15°	1925.6	1905.5	1913.6	1906.7	1903.3
17.5°	1891.3	1869.9	1877.9	1870.0	1865.6
20°	1863.9	1843.8	1851.9	1839.8	1838.2
22.5°	1833.7	1813.6	1821.7	1805.6	1805.2
25°	1785.0	1763.2	1773.0	1754.1	1752.4
27.5°	1727.1	1706.9	1715.0	1695.8	1693.8
30°	1687.3	1667.2	1675.3	1654.6	1651.3
32.5°	1642.0	1623.2	1630.0	1609.4	1607.4
35°	1572.4	1553.9	1558.7	1538.1	1536.4
37.5°	1493.2	1476.4	1479.1	1456.4	1454.8
40°	1436.9	1420.2	1421.5	1397.4	1395.8
42.5°	1375.2	1358.4	1357.0	1333.0	1331.3
45°	1272.3	1255.5	1250.0	1227.7	1224.3
47.5°	1155.0	1138.3	1127.9	1109.7	1107.4
50°	1070.0	1053.2	1044.3	1028.7	1023.7
52.5°	978.1	961.3	953.7	939.5	934.5
55°	833.3	819.9	814.5	800.7	797.3
57.5°	695.8	686.8	685.2	671.8	670.4
60°	612.1	607.1	607.0	595.0	595.0
62.5°	540.8	537.1	539.8	531.9	530.5
65°	447.5	444.2	449.3	445.8	445.8
67.5°	373.8	373.8	376.9	375.5	375.5
70°	332.7	332.7	334.4	334.4	334.4
72.5°	295.6	294.3	298.7	298.7	297.3
75°	241.8	241.8	241.8	243.5	243.5
77.5°	188.3	188.6	190.0	189.6	188.3
80°	152.6	154.3	154.3	152.6	152.6
82.5°	116.9	118.6	118.7	118.3	116.9
85°	61.7	65.1	68.6	68.6	68.6
87.5°	17.8	23.2	27.4	27.4	26.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)