

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427650

Luminaire Tested: SQ2W-BBN-K-150U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427650
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBN-K-150U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

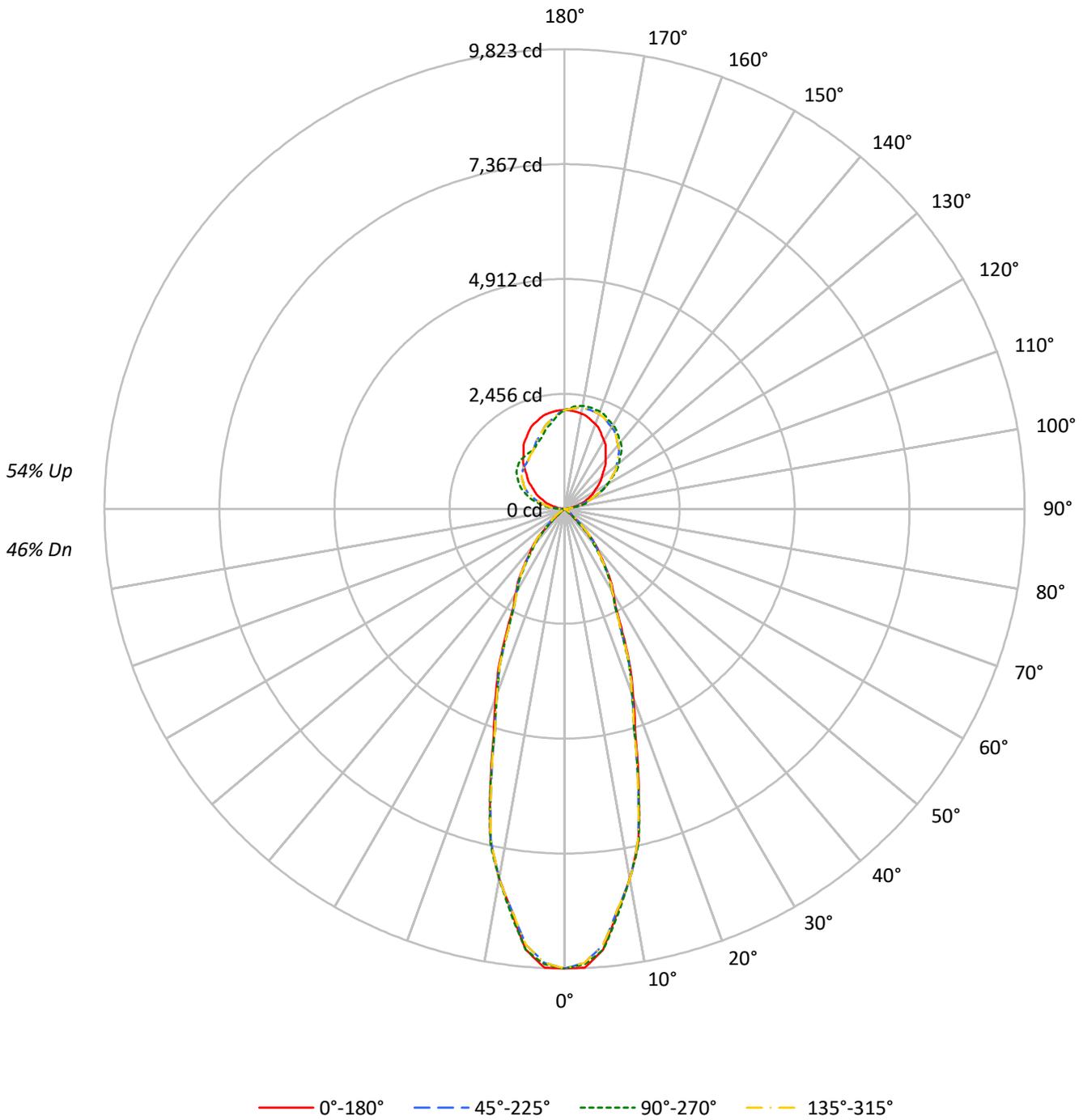
Lumens per Lamp: N/A
Luminaire Lumens: 11468.5 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.9
Input Voltage (V): 120
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: 24 FT

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CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L940-UNV-STD-W-WM-4

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	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46				
1	99	96	93	90	91	88	86	84	75	73	71	62	61	60	50	50	49	44				
2	93	87	82	78	85	80	76	73	69	66	63	58	56	54	47	46	45	41				
3	86	79	73	69	80	73	69	65	63	60	57	54	51	49	45	43	42	38				
4	81	72	66	61	75	67	62	58	58	54	51	50	47	45	42	41	39	36				
5	76	66	60	55	70	62	56	52	54	50	47	47	44	42	40	38	37	34				
6	71	61	54	50	66	57	52	47	50	46	43	44	41	39	38	36	34	32				
7	67	57	50	45	62	53	48	43	47	43	40	41	38	36	36	34	32	30				
8	63	53	46	42	59	50	44	40	44	40	37	39	36	34	34	32	30	28				
9	59	49	43	39	55	46	41	37	42	37	34	37	34	31	32	30	29	27				
10	56	46	40	36	53	44	38	35	39	35	32	35	32	30	31	29	27	25				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	158591	158591	158591	158591
5°	153288	153374	153288	153374
10°	131552	131552	131552	131552
15°	102109	101874	102109	101874
20°	73694	72113	73694	72113
25°	52254	50266	52254	50266
30°	38877	37523	38877	37523
35°	30249	28854	30249	28854
40°	22385	20444	22385	20444
45°	11439	9216	11439	9216
50°	2489	1824	2489	1824
55°	698	549	698	549
60°	113	58	113	58
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 13953 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	849.4	7.4
10°-20°	1674.6	14.6
20°-30°	1350.9	11.8
30°-40°	938.4	8.2
40°-50°	433.5	3.8
50°-60°	60.7	0.5
60°-70°	2.1	0.0
70°-80°	0.0	0.0
80°-90°	11.2	0.1
90°-100°	167.6	1.5
100°-110°	488.9	4.3
110°-120°	797.8	7.0
120°-130°	1012.4	8.8
130°-140°	1083.3	9.4
140°-150°	1011.5	8.8
150°-160°	832.4	7.3
160°-170°	558.2	4.9
170°-180°	198.2	1.7
0°-30°	3874.9	33.8
0°-40°	4813.3	42.0
0°-60°	5307.5	46.3
0°-90°	5320.7	46.4
90°-120°	1454.3	12.7
90°-150°	4561.5	39.8
90°-180°	6150.0	53.6
0°-180°	11468.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9823	9823	9823	9823	9823	
5°	9458	9463	9458	9463	9458	850
15°	6109	6095	6109	6095	6109	1682
25°	2933	2822	2933	2822	2933	1373
35°	1535	1464	1535	1464	1535	960
45°	501	404	501	404	501	405
55°	25	20	25	20	25	31
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	1
90°	6	47	6	92	6	5
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6
2.5°	9817.0	9800.6	9784.2	9751.8	9714.1	9712.5	9747.1	9770.4	9759.7	9749.0	9759.7
5°	9458.0	9435.2	9412.3	9384.8	9355.7	9366.7	9417.8	9457.0	9460.1	9463.3	9460.1
7.5°	8665.6	8673.0	8680.4	8661.5	8633.8	8648.3	8704.9	8745.9	8739.8	8733.6	8739.8
10°	8024.1	8029.6	8035.2	8034.2	8031.0	8038.9	8057.8	8066.6	8045.4	8024.1	8045.4
12.5°	7280.7	7302.5	7324.4	7299.2	7258.3	7252.0	7280.3	7303.8	7312.8	7321.7	7312.8
15°	6108.8	6144.2	6179.6	6129.5	6050.8	6030.4	6068.1	6096.2	6095.5	6094.7	6095.5
17.5°	5009.9	5006.3	5002.7	4971.7	4931.6	4915.0	4922.1	4926.8	4924.5	4922.1	4924.5
20°	4289.1	4283.6	4278.1	4251.3	4217.5	4197.8	4192.3	4189.2	4193.1	4197.1	4193.1
22.5°	3671.7	3662.4	3653.1	3641.9	3630.1	3617.4	3603.7	3594.7	3599.9	3605.1	3599.9
25°	2933.2	2903.3	2873.4	2849.4	2827.3	2825.8	2844.6	2854.7	2838.2	2821.6	2838.2
27.5°	2354.3	2353.8	2353.4	2339.2	2320.5	2312.1	2314.2	2316.5	2319.7	2322.8	2319.7
30°	2085.3	2079.7	2074.2	2059.3	2041.2	2032.5	2033.3	2031.6	2022.1	2012.7	2022.1
32.5°	1845.9	1849.9	1853.8	1837.9	1815.4	1802.0	1797.8	1792.2	1782.8	1773.3	1782.8
35°	1534.7	1534.7	1534.7	1521.7	1504.4	1489.9	1478.1	1468.6	1466.3	1463.9	1466.3
37.5°	1246.2	1244.8	1243.4	1233.8	1221.5	1207.1	1190.4	1176.3	1170.2	1164.1	1170.2
40°	1062.1	1058.2	1054.2	1047.3	1039.5	1025.3	1004.9	987.4	978.7	970.0	978.7
42.5°	852.5	863.1	873.6	870.3	862.5	848.3	827.8	809.2	796.2	783.1	796.2
45°	501.0	545.0	589.1	604.8	611.1	602.4	578.8	543.6	473.6	403.6	473.6
47.5°	215.3	263.7	312.2	352.9	390.9	378.9	316.7	255.6	197.4	139.1	197.4
50°	99.1	136.9	174.7	225.4	280.5	269.1	191.2	126.1	99.3	72.6	99.3
52.5°	58.1	76.9	95.8	143.3	200.2	195.1	127.9	74.0	59.8	45.7	59.8
55°	24.8	31.1	37.4	63.1	95.4	93.8	58.4	30.5	25.0	19.5	25.0
57.5°	9.2	12.7	16.1	25.4	36.5	35.8	23.2	13.1	10.3	7.4	10.3
60°	3.5	5.1	6.7	11.2	16.7	16.3	10.0	4.9	3.3	1.8	3.3
62.5°	0.7	1.7	2.6	5.1	8.1	8.0	4.8	2.2	1.3	0.4	1.3
65°	0.0	0.0	0.0	0.6	1.4	1.4	0.6	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	3.0	5.1	6.8	8.1	8.5	8.5	8.9	9.4	9.4	9.4
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6
2.5°	9770.4	9747.1	9712.5	9714.1	9751.8	9784.2	9800.6	9817.0	9800.6	9784.2	9751.8
5°	9457.0	9417.8	9366.7	9355.7	9384.8	9412.3	9435.2	9458.0	9435.2	9412.3	9384.8
7.5°	8745.9	8704.9	8648.3	8633.8	8661.5	8680.4	8673.0	8665.6	8673.0	8680.4	8661.5
10°	8066.6	8057.8	8038.9	8031.0	8034.2	8035.2	8029.6	8024.1	8029.6	8035.2	8034.2
12.5°	7303.8	7280.3	7252.0	7258.3	7299.2	7324.4	7302.5	7280.7	7302.5	7324.4	7299.2
15°	6096.2	6068.1	6030.4	6050.8	6129.5	6179.6	6144.2	6108.8	6144.2	6179.6	6129.5
17.5°	4926.8	4922.1	4915.0	4931.6	4971.7	5002.7	5006.3	5009.9	5006.3	5002.7	4971.7
20°	4189.2	4192.3	4197.8	4217.5	4251.3	4278.1	4283.6	4289.1	4283.6	4278.1	4251.3
22.5°	3594.7	3603.7	3617.4	3630.1	3641.9	3653.1	3662.4	3671.7	3662.4	3653.1	3641.9
25°	2854.7	2844.6	2825.8	2827.3	2849.4	2873.4	2903.3	2933.2	2903.3	2873.4	2849.4
27.5°	2316.5	2314.2	2312.1	2320.5	2339.2	2353.4	2353.8	2354.3	2353.8	2353.4	2339.2
30°	2031.6	2033.3	2032.5	2041.2	2059.3	2074.2	2079.7	2085.3	2079.7	2074.2	2059.3
32.5°	1792.2	1797.8	1802.0	1815.4	1837.9	1853.8	1849.9	1845.9	1849.9	1853.8	1837.9
35°	1468.6	1478.1	1489.9	1504.4	1521.7	1534.7	1534.7	1534.7	1534.7	1534.7	1521.7
37.5°	1176.3	1190.4	1207.1	1221.5	1233.8	1243.4	1244.8	1246.2	1244.8	1243.4	1233.8
40°	987.4	1004.9	1025.3	1039.5	1047.3	1054.2	1058.2	1062.1	1058.2	1054.2	1047.3
42.5°	809.2	827.8	848.3	862.5	870.3	873.6	863.1	852.5	863.1	873.6	870.3
45°	543.6	578.8	602.4	611.1	604.8	589.1	545.0	501.0	545.0	589.1	604.8
47.5°	255.6	316.7	378.9	390.9	352.9	312.2	263.7	215.3	263.7	312.2	352.9
50°	126.1	191.2	269.1	280.5	225.4	174.7	136.9	99.1	136.9	174.7	225.4
52.5°	74.0	127.9	195.1	200.2	143.3	95.8	76.9	58.1	76.9	95.8	143.3
55°	30.5	58.4	93.8	95.4	63.1	37.4	31.1	24.8	31.1	37.4	63.1
57.5°	13.1	23.2	35.8	36.5	25.4	16.1	12.7	9.2	12.7	16.1	25.4
60°	4.9	10.0	16.3	16.7	11.2	6.7	5.1	3.5	5.1	6.7	11.2
62.5°	2.2	4.8	8.0	8.1	5.1	2.6	1.7	0.7	1.7	2.6	5.1
65°	0.0	0.6	1.4	1.4	0.6	0.0	0.0	0.0	0.0	0.0	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.9	8.5	8.5	8.1	6.8	5.1	3.0	1.3	3.0	4.7	7.7
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2



TEST NUMBER: P1427650

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6
2.5°	9714.1	9712.5	9747.1	9770.4	9759.7	9749.0	9759.7	9770.4	9747.1	9712.5	9714.1
5°	9355.7	9366.7	9417.8	9457.0	9460.1	9463.3	9460.1	9457.0	9417.8	9366.7	9355.7
7.5°	8633.8	8648.3	8704.9	8745.9	8739.8	8733.6	8739.8	8745.9	8704.9	8648.3	8633.8
10°	8031.0	8038.9	8057.8	8066.6	8045.4	8024.1	8045.4	8066.6	8057.8	8038.9	8031.0
12.5°	7258.3	7252.0	7280.3	7303.8	7312.8	7321.7	7312.8	7303.8	7280.3	7252.0	7258.3
15°	6050.8	6030.4	6068.1	6096.2	6095.5	6094.7	6095.5	6096.2	6068.1	6030.4	6050.8
17.5°	4931.6	4915.0	4922.1	4926.8	4924.5	4922.1	4924.5	4926.8	4922.1	4915.0	4931.6
20°	4217.5	4197.8	4192.3	4189.2	4193.1	4197.1	4193.1	4189.2	4192.3	4197.8	4217.5
22.5°	3630.1	3617.4	3603.7	3594.7	3599.9	3605.1	3599.9	3594.7	3603.7	3617.4	3630.1
25°	2827.3	2825.8	2844.6	2854.7	2838.2	2821.6	2838.2	2854.7	2844.6	2825.8	2827.3
27.5°	2320.5	2312.1	2314.2	2316.5	2319.7	2322.8	2319.7	2316.5	2314.2	2312.1	2320.5
30°	2041.2	2032.5	2033.3	2031.6	2022.1	2012.7	2022.1	2031.6	2033.3	2032.5	2041.2
32.5°	1815.4	1802.0	1797.8	1792.2	1782.8	1773.3	1782.8	1792.2	1797.8	1802.0	1815.4
35°	1504.4	1489.9	1478.1	1468.6	1466.3	1463.9	1466.3	1468.6	1478.1	1489.9	1504.4
37.5°	1221.5	1207.1	1190.4	1176.3	1170.2	1164.1	1170.2	1176.3	1190.4	1207.1	1221.5
40°	1039.5	1025.3	1004.9	987.4	978.7	970.0	978.7	987.4	1004.9	1025.3	1039.5
42.5°	862.5	848.3	827.8	809.2	796.2	783.1	796.2	809.2	827.8	848.3	862.5
45°	611.1	602.4	578.8	543.6	473.6	403.6	473.6	543.6	578.8	602.4	611.1
47.5°	390.9	378.9	316.7	255.6	197.4	139.1	197.4	255.6	316.7	378.9	390.9
50°	280.5	269.1	191.2	126.1	99.3	72.6	99.3	126.1	191.2	269.1	280.5
52.5°	200.2	195.1	127.9	74.0	59.8	45.7	59.8	74.0	127.9	195.1	200.2
55°	95.4	93.8	58.4	30.5	25.0	19.5	25.0	30.5	58.4	93.8	95.4
57.5°	36.5	35.8	23.2	13.1	10.3	7.4	10.3	13.1	23.2	35.8	36.5
60°	16.7	16.3	10.0	4.9	3.3	1.8	3.3	4.9	10.0	16.3	16.7
62.5°	8.1	8.0	4.8	2.2	1.3	0.4	1.3	2.2	4.8	8.0	8.1
65°	1.4	1.4	0.6	0.0	0.0	0.0	0.0	0.6	1.4	1.4	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.8	12.8	15.7	17.4	19.1	18.3	19.1	17.4	15.7	12.8	9.8
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



TEST NUMBER: P1427650

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1427650

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	9822.6	9822.6	9822.6	9822.6
2.5°	9751.8	9784.2	9800.6	9817.0
5°	9384.8	9412.3	9435.2	9458.0
7.5°	8661.5	8680.4	8673.0	8665.6
10°	8034.2	8035.2	8029.6	8024.1
12.5°	7299.2	7324.4	7302.5	7280.7
15°	6129.5	6179.6	6144.2	6108.8
17.5°	4971.7	5002.7	5006.3	5009.9
20°	4251.3	4278.1	4283.6	4289.1
22.5°	3641.9	3653.1	3662.4	3671.7
25°	2849.4	2873.4	2903.3	2933.2
27.5°	2339.2	2353.4	2353.8	2354.3
30°	2059.3	2074.2	2079.7	2085.3
32.5°	1837.9	1853.8	1849.9	1845.9
35°	1521.7	1534.7	1534.7	1534.7
37.5°	1233.8	1243.4	1244.8	1246.2
40°	1047.3	1054.2	1058.2	1062.1
42.5°	870.3	873.6	863.1	852.5
45°	604.8	589.1	545.0	501.0
47.5°	352.9	312.2	263.7	215.3
50°	225.4	174.7	136.9	99.1
52.5°	143.3	95.8	76.9	58.1
55°	63.1	37.4	31.1	24.8
57.5°	25.4	16.1	12.7	9.2
60°	11.2	6.7	5.1	3.5
62.5°	5.1	2.6	1.7	0.7
65°	0.6	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	7.7	4.7	3.0	1.3
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



TEST NUMBER: P1427650

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1427650
 CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L940-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00