

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: P1427564

Luminaire Tested: SQ2W-BBM-K-150U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427564
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-150U-125D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

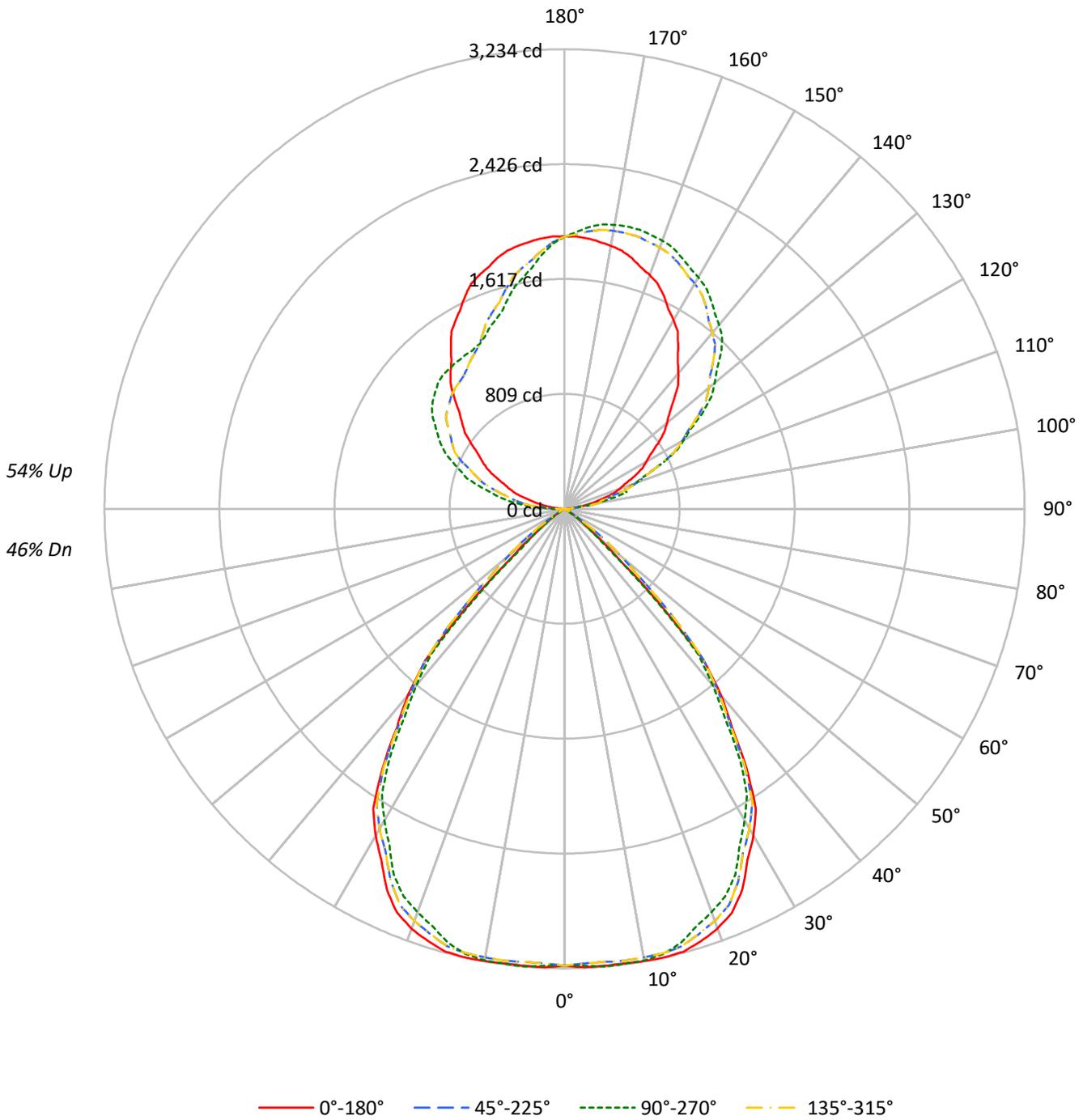
Lumens per Lamp: N/A
Luminaire Lumens: 10405.9 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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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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				46
1	99	95	92	89	91	88	85	83	74	72	70	61	60	59	49	49	48	43				43
2	92	85	80	76	84	79	75	71	67	64	61	56	54	52	46	45	43	39				39
3	85	77	71	66	78	71	66	62	61	57	54	51	49	47	42	41	39	35				35
4	79	69	63	57	72	65	59	54	56	51	48	47	44	42	39	37	36	32				32
5	73	63	56	51	67	59	52	48	51	46	43	43	40	37	36	34	32	29				29
6	68	57	50	45	63	53	47	43	46	42	38	40	36	34	34	31	30	27				27
7	63	52	45	40	58	49	43	38	43	38	34	37	33	31	31	29	27	25				25
8	59	48	41	36	55	45	39	34	39	35	31	34	31	28	29	27	25	23				23
9	55	44	37	33	51	41	35	31	36	32	28	32	28	26	27	25	23	21				21
10	52	41	34	30	48	38	32	28	34	29	26	30	26	23	26	23	21	19				19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	51908	51908	51908	51908
5°	52315	52393	52315	52393
10°	52973	52894	52973	52894
15°	53928	52853	53928	52853
20°	53997	51896	53997	51896
25°	52662	50599	52662	50599
30°	49503	47195	49503	47195
35°	43936	42288	43936	42288
40°	36032	34102	36032	34102
45°	21484	20162	21484	20162
50°	6707	6342	6707	6342
55°	2536	2536	2536	2536
60°	155	52	155	52
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: 25151 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.4	3.0
10°-20°	900.5	8.7
20°-30°	1324.8	12.7
30°-40°	1354.0	13.0
40°-50°	780.0	7.5
50°-60°	134.2	1.3
60°-70°	4.8	0.0
70°-80°	0.0	0.0
80°-90°	10.2	0.1
90°-100°	152.4	1.5
100°-110°	444.5	4.3
110°-120°	725.4	7.0
120°-130°	920.5	8.8
130°-140°	985.0	9.5
140°-150°	919.8	8.8
150°-160°	756.8	7.3
160°-170°	507.6	4.9
170°-180°	180.2	1.7
0°-30°	2532.6	24.3
0°-40°	3886.6	37.4
0°-60°	4800.9	46.1
0°-90°	4815.9	46.3
90°-120°	1322.4	12.7
90°-150°	4147.7	39.9
90°-180°	5592.0	53.7
0°-180°	10405.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3215	3215	3215	3215	3215	
5°	3228	3233	3228	3233	3228	308
15°	3226	3162	3226	3162	3226	908
25°	2956	2840	2956	2840	2956	1349
35°	2229	2146	2229	2146	2229	1377
45°	941	883	941	883	941	728
55°	90	90	90	90	90	95
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	6	43	6	83	6	5
95°	60	44	60	261	60	72
105°	282	453	282	623	282	300
115°	542	751	542	925	542	534
125°	801	1190	801	1134	801	717
135°	1089	1557	1089	1256	1089	842
145°	1391	1795	1391	1283	1391	870
155°	1652	1950	1652	1331	1652	759
165°	1826	2033	1826	1532	1826	514
175°	1910	1991	1910	1797	1910	181
180°	1915	1915	1915	1915	1915	



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CATALOG NUMBER: SQ2W-BBM-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3229.2	3225.2	3221.2	3211.6	3200.2	3201.0	3214.2	3223.3	3220.5	3217.6	3220.5
5°	3227.9	3224.3	3220.8	3210.7	3198.6	3202.2	3221.5	3235.6	3234.2	3232.7	3234.2
7.5°	3226.0	3223.5	3221.1	3214.1	3205.5	3209.1	3225.0	3236.0	3232.4	3228.9	3232.4
10°	3231.1	3230.4	3229.7	3218.8	3204.5	3205.6	3222.0	3233.4	3229.9	3226.3	3229.9
12.5°	3233.7	3238.1	3242.6	3226.9	3204.6	3200.0	3213.0	3221.1	3214.7	3208.3	3214.7
15°	3226.3	3238.4	3250.6	3228.4	3194.8	3179.1	3181.3	3180.5	3171.3	3162.0	3171.3
17.5°	3190.3	3207.4	3224.6	3195.3	3150.6	3124.3	3116.4	3107.2	3094.1	3080.9	3094.1
20°	3142.7	3162.7	3182.7	3150.7	3101.4	3069.9	3056.3	3043.3	3031.9	3020.4	3031.9
22.5°	3075.8	3094.1	3112.4	3081.7	3034.6	3002.6	2985.6	2970.5	2961.4	2952.2	2961.4
25°	2956.1	2968.2	2980.4	2949.1	2903.4	2874.1	2861.2	2850.3	2845.3	2840.3	2845.3
27.5°	2786.6	2790.0	2793.4	2768.6	2734.3	2709.1	2693.1	2679.5	2673.0	2666.6	2673.0
30°	2655.3	2655.3	2655.3	2636.0	2610.3	2588.9	2571.7	2555.8	2543.7	2531.5	2543.7
32.5°	2502.2	2500.5	2498.8	2484.6	2466.3	2447.8	2428.9	2411.7	2399.5	2387.4	2399.5
35°	2229.1	2237.0	2244.9	2235.0	2219.3	2202.2	2183.6	2166.9	2156.2	2145.5	2156.2
37.5°	1933.5	1936.5	1939.5	1931.4	1919.5	1903.6	1883.6	1866.3	1857.3	1848.3	1857.3
40°	1709.6	1710.4	1711.1	1701.1	1687.5	1673.5	1659.3	1645.1	1631.6	1618.0	1631.6
42.5°	1448.5	1462.9	1477.3	1471.2	1458.2	1440.2	1417.4	1398.8	1393.2	1387.7	1393.2
45°	940.9	1004.5	1068.1	1091.5	1101.5	1093.7	1067.9	1030.2	956.6	883.0	956.6
47.5°	472.8	552.0	631.2	686.1	732.9	719.6	646.2	571.7	493.8	415.9	493.8
50°	267.0	314.2	361.3	434.8	517.0	503.4	394.0	305.4	279.0	252.5	279.0
52.5°	178.2	199.1	219.9	279.1	351.0	346.3	264.9	200.2	185.2	170.2	185.2
55°	90.1	95.8	101.5	127.6	160.5	159.8	125.4	98.6	94.4	90.1	94.4
57.5°	30.6	38.3	46.0	57.6	70.4	70.8	58.7	47.8	40.8	33.8	40.8
60°	4.8	12.0	19.1	28.4	38.4	37.3	25.2	14.5	8.0	1.6	8.0
62.5°	1.0	3.0	5.0	12.5	22.0	21.8	11.9	4.0	2.2	0.3	2.2
65°	0.0	0.0	0.0	0.5	1.3	1.3	0.5	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°	1.2	2.7	4.6	6.2	7.4	7.7	7.7	8.1	8.5	8.5	8.5
90°	5.8	13.5	23.2	31.0	36.8	38.7	38.7	40.6	42.6	42.6	42.6
92.5°	21.3	33.7	34.0	34.0	41.4	44.9	48.0	48.4	50.3	50.3	50.3
95°	60.0	65.8	98.7	96.7	65.8	52.2	44.5	44.5	44.5	44.5	44.5
97.5°	114.5	123.0	128.5	172.2	181.9	175.7	143.2	120.3	107.6	101.8	107.6
100°	162.5	166.4	178.0	179.9	228.3	274.7	251.5	222.5	212.8	207.0	212.8
102.5°	210.5	212.8	230.6	238.7	250.0	276.3	356.7	347.8	341.3	340.1	341.3
105°	282.5	284.4	317.3	332.8	340.5	340.5	338.6	377.3	439.2	452.7	439.2
107.5°	359.5	368.4	407.0	448.4	457.3	459.7	449.6	443.8	441.5	443.0	441.5
110°	412.1	425.6	472.1	524.3	537.8	541.7	537.8	532.0	528.2	528.2	528.2



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CATALOG NUMBER: SQ2W-BBM-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	463.2	482.9	535.5	595.5	618.3	629.9	621.4	617.2	613.3	616.4	613.3
115°	541.7	570.7	640.4	702.3	748.7	754.5	752.6	752.6	750.6	750.6	750.6
117.5°	614.4	660.9	739.0	811.0	864.8	880.3	888.0	885.7	883.4	887.2	883.4
120°	665.5	719.7	808.7	889.9	942.2	965.4	973.1	969.3	973.1	969.3	973.1
122.5°	719.7	786.2	873.7	958.0	1019.6	1045.9	1055.2	1055.9	1056.7	1054.4	1056.7
125°	800.9	882.2	984.7	1071.8	1135.6	1166.6	1174.3	1176.3	1180.1	1189.8	1180.1
127.5°	883.0	975.1	1087.7	1171.6	1237.0	1274.5	1286.5	1290.8	1298.9	1303.2	1298.9
130°	940.2	1044.7	1158.8	1238.2	1302.0	1342.6	1363.9	1369.7	1379.4	1377.5	1379.4
132.5°	1000.6	1109.7	1225.4	1307.8	1367.0	1410.7	1428.9	1445.6	1449.0	1451.8	1449.0
135°	1089.2	1207.2	1323.3	1404.5	1460.7	1503.2	1526.4	1541.9	1551.6	1557.4	1551.6
137.5°	1182.5	1307.0	1418.5	1490.8	1547.3	1584.1	1610.4	1626.6	1636.7	1641.3	1636.7
140°	1245.9	1365.9	1474.2	1549.6	1599.9	1636.7	1659.9	1679.3	1690.9	1690.9	1690.9
142.5°	1306.3	1424.7	1529.9	1605.4	1649.5	1683.1	1707.9	1722.6	1735.8	1735.8	1735.8
145°	1391.0	1509.0	1605.8	1681.2	1718.0	1748.9	1776.0	1787.6	1795.3	1795.3	1795.3
147.5°	1479.6	1584.1	1672.3	1744.7	1775.6	1812.0	1833.3	1842.6	1852.2	1848.0	1852.2
150°	1532.2	1629.0	1714.1	1781.8	1812.8	1847.6	1868.9	1876.6	1886.3	1880.5	1886.3
152.5°	1583.3	1675.4	1752.8	1815.9	1842.2	1877.0	1901.4	1909.1	1915.7	1911.4	1915.7
155°	1652.2	1733.4	1805.0	1863.1	1886.3	1919.2	1942.4	1952.1	1959.8	1950.1	1959.8
157.5°	1713.7	1783.7	1846.0	1899.4	1924.2	1952.4	1974.1	1986.1	1993.8	1989.6	1993.8
160°	1750.8	1814.7	1870.8	1921.1	1944.3	1969.5	1992.7	2006.2	2014.0	2008.2	2014.0
162.5°	1781.8	1839.5	1892.5	1938.1	1958.2	1980.3	2008.2	2020.2	2027.9	2020.5	2027.9
165°	1826.3	1872.7	1919.2	1957.9	1975.3	1992.7	2021.7	2035.2	2041.0	2033.3	2041.0
167.5°	1860.0	1895.6	1933.1	1966.4	1979.1	1996.2	2025.2	2036.4	2043.8	2034.1	2043.8
170°	1878.5	1909.5	1942.4	1969.5	1979.1	1994.6	2023.6	2033.3	2039.1	2029.4	2039.1
172.5°	1894.0	1917.2	1943.9	1967.9	1972.9	1985.3	2012.8	2022.5	2026.7	2018.6	2026.7
175°	1909.5	1923.0	1942.4	1957.9	1955.9	1963.7	1986.9	1994.6	2002.4	1990.7	2002.4
177.5°	1916.8	1923.0	1929.2	1938.5	1932.3	1932.3	1949.3	1954.0	1955.5	1949.3	1955.5
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3223.3	3214.2	3201.0	3200.2	3211.6	3221.2	3225.2	3229.2	3225.2	3221.2	3211.6
5°	3235.6	3221.5	3202.2	3198.6	3210.7	3220.8	3224.3	3227.9	3224.3	3220.8	3210.7
7.5°	3236.0	3225.0	3209.1	3205.5	3214.1	3221.1	3223.5	3226.0	3223.5	3221.1	3214.1
10°	3233.4	3222.0	3205.6	3204.5	3218.8	3229.7	3230.4	3231.1	3230.4	3229.7	3218.8
12.5°	3221.1	3213.0	3200.0	3204.6	3226.9	3242.6	3238.1	3233.7	3238.1	3242.6	3226.9
15°	3180.5	3181.3	3179.1	3194.8	3228.4	3250.6	3238.4	3226.3	3238.4	3250.6	3228.4
17.5°	3107.2	3116.4	3124.3	3150.6	3195.3	3224.6	3207.4	3190.3	3207.4	3224.6	3195.3
20°	3043.3	3056.3	3069.9	3101.4	3150.7	3182.7	3162.7	3142.7	3162.7	3182.7	3150.7
22.5°	2970.5	2985.6	3002.6	3034.6	3081.7	3112.4	3094.1	3075.8	3094.1	3112.4	3081.7
25°	2850.3	2861.2	2874.1	2903.4	2949.1	2980.4	2968.2	2956.1	2968.2	2980.4	2949.1
27.5°	2679.5	2693.1	2709.1	2734.3	2768.6	2793.4	2790.0	2786.6	2790.0	2793.4	2768.6
30°	2555.8	2571.7	2588.9	2610.3	2636.0	2655.3	2655.3	2655.3	2655.3	2655.3	2636.0
32.5°	2411.7	2428.9	2447.8	2466.3	2484.6	2498.8	2500.5	2502.2	2500.5	2498.8	2484.6
35°	2166.9	2183.6	2202.2	2219.3	2235.0	2244.9	2237.0	2229.1	2237.0	2244.9	2235.0
37.5°	1866.3	1883.6	1903.6	1919.5	1931.4	1939.5	1936.5	1933.5	1936.5	1939.5	1931.4
40°	1645.1	1659.3	1673.5	1687.5	1701.1	1711.1	1710.4	1709.6	1710.4	1711.1	1701.1
42.5°	1398.8	1417.4	1440.2	1458.2	1471.2	1477.3	1462.9	1448.5	1462.9	1477.3	1471.2
45°	1030.2	1067.9	1093.7	1101.5	1091.5	1068.1	1004.5	940.9	1004.5	1068.1	1091.5
47.5°	571.7	646.2	719.6	732.9	686.1	631.2	552.0	472.8	552.0	631.2	686.1
50°	305.4	394.0	503.4	517.0	434.8	361.3	314.2	267.0	314.2	361.3	434.8
52.5°	200.2	264.9	346.3	351.0	279.1	219.9	199.1	178.2	199.1	219.9	279.1
55°	98.6	125.4	159.8	160.5	127.6	101.5	95.8	90.1	95.8	101.5	127.6
57.5°	47.8	58.7	70.8	70.4	57.6	46.0	38.3	30.6	38.3	46.0	57.6
60°	14.5	25.2	37.3	38.4	28.4	19.1	12.0	4.8	12.0	19.1	28.4
62.5°	4.0	11.9	21.8	22.0	12.5	5.0	3.0	1.0	3.0	5.0	12.5
65°	0.0	0.5	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.5
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°	8.1	7.7	7.7	7.4	6.2	4.6	2.7	1.2	2.7	4.3	7.0
90°	40.6	38.7	38.7	36.8	31.0	23.2	13.5	5.8	13.5	21.3	34.8
92.5°	48.4	48.0	44.9	41.4	34.0	34.0	33.7	21.3	36.8	52.2	75.1
95°	44.5	44.5	52.2	65.8	96.7	98.7	65.8	60.0	85.1	119.9	150.9
97.5°	120.3	143.2	175.7	181.9	172.2	128.5	123.0	114.5	155.9	190.4	240.3
100°	222.5	251.5	274.7	228.3	179.9	178.0	166.4	162.5	207.0	239.9	288.3
102.5°	347.8	356.7	276.3	250.0	238.7	230.6	212.8	210.5	255.0	300.3	340.9
105°	377.3	338.6	340.5	340.5	332.8	317.3	284.4	282.5	332.8	385.0	435.3
107.5°	443.8	449.6	459.7	457.3	448.4	407.0	368.4	359.5	404.7	467.4	522.7
110°	532.0	537.8	541.7	537.8	524.3	472.1	425.6	412.1	452.7	518.5	578.5



TEST NUMBER: P1427564

CATALOG NUMBER: SQ2W-BBM-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	617.2	621.4	629.9	618.3	595.5	535.5	482.9	463.2	503.8	571.1	632.6
115°	752.6	752.6	754.5	748.7	702.3	640.4	570.7	541.7	576.5	638.4	706.1
117.5°	885.7	888.0	880.3	864.8	811.0	739.0	660.9	614.4	641.9	707.3	777.0
120°	969.3	973.1	965.4	942.2	889.9	808.7	719.7	665.5	686.8	750.6	820.3
122.5°	1055.9	1055.2	1045.9	1019.6	958.0	873.7	786.2	719.7	728.6	787.8	855.9
125°	1176.3	1174.3	1166.6	1135.6	1071.8	984.7	882.2	800.9	789.3	839.6	909.3
127.5°	1290.8	1286.5	1274.5	1237.0	1171.6	1087.7	975.1	883.0	857.0	888.8	952.6
130°	1369.7	1363.9	1342.6	1302.0	1238.2	1158.8	1044.7	940.2	903.5	922.8	978.9
132.5°	1445.6	1428.9	1410.7	1367.0	1307.8	1225.4	1109.7	1000.6	949.9	958.4	1002.1
135°	1541.9	1526.4	1503.2	1460.7	1404.5	1323.3	1207.2	1089.2	1019.6	1011.8	1037.0
137.5°	1626.6	1610.4	1584.1	1547.3	1490.8	1418.5	1307.0	1182.5	1094.6	1068.7	1078.4
140°	1679.3	1659.9	1636.7	1599.9	1549.6	1474.2	1365.9	1245.9	1147.2	1110.5	1104.7
142.5°	1722.6	1707.9	1683.1	1649.5	1605.4	1529.9	1424.7	1306.3	1201.4	1153.8	1140.3
145°	1787.6	1776.0	1748.9	1718.0	1681.2	1605.8	1509.0	1391.0	1286.5	1224.6	1195.6
147.5°	1842.6	1833.3	1812.0	1775.6	1744.7	1672.3	1584.1	1479.6	1372.4	1295.8	1258.3
150°	1876.6	1868.9	1847.6	1812.8	1781.8	1714.1	1629.0	1532.2	1429.7	1348.4	1300.1
152.5°	1909.1	1901.4	1877.0	1842.2	1815.9	1752.8	1675.4	1583.3	1479.2	1398.0	1348.1
155°	1952.1	1942.4	1919.2	1886.3	1863.1	1805.0	1733.4	1652.2	1563.2	1478.1	1422.0
157.5°	1986.1	1974.1	1952.4	1924.2	1899.4	1846.0	1783.7	1713.7	1635.9	1554.7	1497.4
160°	2006.2	1992.7	1969.5	1944.3	1921.1	1870.8	1814.7	1750.8	1679.3	1605.8	1543.8
162.5°	2020.2	2008.2	1980.3	1958.2	1938.1	1892.5	1839.5	1781.8	1718.0	1653.7	1596.5
165°	2035.2	2021.7	1992.7	1975.3	1957.9	1919.2	1872.7	1826.3	1772.1	1719.9	1673.5
167.5°	2036.4	2025.2	1996.2	1979.1	1966.4	1933.1	1895.6	1860.0	1817.8	1776.8	1738.1
170°	2033.3	2023.6	1994.6	1979.1	1969.5	1942.4	1909.5	1878.5	1845.6	1810.8	1779.9
172.5°	2022.5	2012.8	1985.3	1972.9	1967.9	1943.9	1917.2	1894.0	1865.8	1840.2	1815.5
175°	1994.6	1986.9	1963.7	1955.9	1957.9	1942.4	1923.0	1909.5	1892.1	1876.6	1863.1
177.5°	1954.0	1949.3	1932.3	1932.3	1938.5	1929.2	1923.0	1916.8	1909.1	1904.5	1899.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1427564

CATALOG NUMBER: SQ2W-BBM-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3200.2	3201.0	3214.2	3223.3	3220.5	3217.6	3220.5	3223.3	3214.2	3201.0	3200.2
5°	3198.6	3202.2	3221.5	3235.6	3234.2	3232.7	3234.2	3235.6	3221.5	3202.2	3198.6
7.5°	3205.5	3209.1	3225.0	3236.0	3232.4	3228.9	3232.4	3236.0	3225.0	3209.1	3205.5
10°	3204.5	3205.6	3222.0	3233.4	3229.9	3226.3	3229.9	3233.4	3222.0	3205.6	3204.5
12.5°	3204.6	3200.0	3213.0	3221.1	3214.7	3208.3	3214.7	3221.1	3213.0	3200.0	3204.6
15°	3194.8	3179.1	3181.3	3180.5	3171.3	3162.0	3171.3	3180.5	3181.3	3179.1	3194.8
17.5°	3150.6	3124.3	3116.4	3107.2	3094.1	3080.9	3094.1	3107.2	3116.4	3124.3	3150.6
20°	3101.4	3069.9	3056.3	3043.3	3031.9	3020.4	3031.9	3043.3	3056.3	3069.9	3101.4
22.5°	3034.6	3002.6	2985.6	2970.5	2961.4	2952.2	2961.4	2970.5	2985.6	3002.6	3034.6
25°	2903.4	2874.1	2861.2	2850.3	2845.3	2840.3	2845.3	2850.3	2861.2	2874.1	2903.4
27.5°	2734.3	2709.1	2693.1	2679.5	2673.0	2666.6	2673.0	2679.5	2693.1	2709.1	2734.3
30°	2610.3	2588.9	2571.7	2555.8	2543.7	2531.5	2543.7	2555.8	2571.7	2588.9	2610.3
32.5°	2466.3	2447.8	2428.9	2411.7	2399.5	2387.4	2399.5	2411.7	2428.9	2447.8	2466.3
35°	2219.3	2202.2	2183.6	2166.9	2156.2	2145.5	2156.2	2166.9	2183.6	2202.2	2219.3
37.5°	1919.5	1903.6	1883.6	1866.3	1857.3	1848.3	1857.3	1866.3	1883.6	1903.6	1919.5
40°	1687.5	1673.5	1659.3	1645.1	1631.6	1618.0	1631.6	1645.1	1659.3	1673.5	1687.5
42.5°	1458.2	1440.2	1417.4	1398.8	1393.2	1387.7	1393.2	1398.8	1417.4	1440.2	1458.2
45°	1101.5	1093.7	1067.9	1030.2	956.6	883.0	956.6	1030.2	1067.9	1093.7	1101.5
47.5°	732.9	719.6	646.2	571.7	493.8	415.9	493.8	571.7	646.2	719.6	732.9
50°	517.0	503.4	394.0	305.4	279.0	252.5	279.0	305.4	394.0	503.4	517.0
52.5°	351.0	346.3	264.9	200.2	185.2	170.2	185.2	200.2	264.9	346.3	351.0
55°	160.5	159.8	125.4	98.6	94.4	90.1	94.4	98.6	125.4	159.8	160.5
57.5°	70.4	70.8	58.7	47.8	40.8	33.8	40.8	47.8	58.7	70.8	70.4
60°	38.4	37.3	25.2	14.5	8.0	1.6	8.0	14.5	25.2	37.3	38.4
62.5°	22.0	21.8	11.9	4.0	2.2	0.3	2.2	4.0	11.9	21.8	22.0
65°	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.5	1.3	1.3	1.3
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	11.6	14.3	15.9	17.4	16.6	17.4	15.9	14.3	11.6	8.9
90°	44.5	58.0	71.6	79.3	87.1	83.2	87.1	79.3	71.6	58.0	44.5
92.5°	89.4	112.2	128.8	142.8	149.0	148.2	149.0	142.8	128.8	112.2	89.4
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	253.4	234.1	207.0	179.9
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	362.2	344.0	313.8	277.4
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	433.4	412.1	377.3	342.4
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	501.5	478.6	440.7	395.1
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	599.7	570.7	530.1	481.7
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	688.0	655.8	618.3	568.4
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	746.8	717.8	677.1	636.5



TEST NUMBER: P1427564

CATALOG NUMBER: SQ2W-BBM-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	693.8	739.0	779.7	808.7	833.1	843.9	833.1	808.7	779.7	739.0	693.8
115°	773.9	833.8	870.6	897.7	915.1	924.8	915.1	897.7	870.6	833.8	773.9
117.5°	840.4	903.1	943.3	964.2	972.4	979.3	972.4	964.2	943.3	903.1	840.4
120°	882.2	940.2	986.7	1013.8	1023.4	1027.3	1023.4	1013.8	986.7	940.2	882.2
122.5°	920.9	975.8	1020.7	1054.0	1069.9	1073.7	1069.9	1054.0	1020.7	975.8	920.9
125°	975.1	1027.3	1073.7	1106.6	1124.0	1133.7	1124.0	1106.6	1073.7	1027.3	975.1
127.5°	1022.3	1078.8	1121.3	1151.1	1168.1	1175.9	1168.1	1151.1	1121.3	1078.8	1022.3
130°	1048.6	1106.6	1149.2	1182.1	1197.5	1205.3	1197.5	1182.1	1149.2	1106.6	1048.6
132.5°	1068.7	1129.8	1173.9	1203.7	1220.8	1228.5	1220.8	1203.7	1173.9	1129.8	1068.7
135°	1093.1	1156.9	1203.3	1232.4	1247.8	1255.6	1247.8	1232.4	1203.3	1156.9	1093.1
137.5°	1114.4	1172.4	1220.8	1251.3	1265.3	1270.3	1265.3	1251.3	1220.8	1172.4	1114.4
140°	1129.8	1180.1	1228.5	1257.5	1273.0	1274.9	1273.0	1257.5	1228.5	1180.1	1129.8
142.5°	1150.0	1189.4	1231.6	1260.6	1276.1	1279.6	1276.1	1260.6	1231.6	1189.4	1150.0
145°	1185.9	1209.2	1238.2	1265.3	1278.8	1282.7	1278.8	1265.3	1238.2	1209.2	1185.9
147.5°	1231.2	1238.6	1253.6	1271.4	1284.6	1287.3	1284.6	1271.4	1253.6	1238.6	1231.2
150°	1265.3	1263.3	1269.1	1280.7	1292.3	1290.4	1292.3	1280.7	1269.1	1263.3	1265.3
152.5°	1303.9	1292.7	1292.3	1297.8	1303.2	1302.8	1303.2	1297.8	1292.3	1292.7	1303.9
155°	1369.7	1348.4	1336.8	1333.0	1333.0	1331.0	1333.0	1333.0	1336.8	1348.4	1369.7
157.5°	1442.1	1412.3	1394.9	1385.6	1382.9	1378.6	1382.9	1385.6	1394.9	1412.3	1442.1
160°	1491.6	1458.7	1441.3	1425.8	1420.0	1414.2	1420.0	1425.8	1441.3	1458.7	1491.6
162.5°	1538.0	1506.7	1487.7	1473.8	1468.0	1459.1	1468.0	1473.8	1487.7	1506.7	1538.0
165°	1613.5	1580.6	1559.3	1547.7	1540.0	1532.2	1540.0	1547.7	1559.3	1580.6	1613.5
167.5°	1688.9	1653.0	1639.0	1625.9	1618.5	1604.6	1618.5	1625.9	1639.0	1653.0	1688.9
170°	1735.4	1702.5	1694.7	1683.1	1669.6	1654.1	1669.6	1683.1	1694.7	1702.5	1735.4
172.5°	1775.6	1753.6	1745.8	1734.2	1730.0	1717.6	1730.0	1734.2	1745.8	1753.6	1775.6
175°	1834.0	1816.6	1816.6	1814.7	1808.9	1797.3	1808.9	1814.7	1816.6	1816.6	1834.0
177.5°	1882.8	1873.5	1879.7	1879.7	1878.1	1867.3	1878.1	1879.7	1879.7	1873.5	1882.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1427564

CATALOG NUMBER: SQ2W-BBM-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3215.0	3215.0	3215.0	3215.0
2.5°	3211.6	3221.2	3225.2	3229.2
5°	3210.7	3220.8	3224.3	3227.9
7.5°	3214.1	3221.1	3223.5	3226.0
10°	3218.8	3229.7	3230.4	3231.1
12.5°	3226.9	3242.6	3238.1	3233.7
15°	3228.4	3250.6	3238.4	3226.3
17.5°	3195.3	3224.6	3207.4	3190.3
20°	3150.7	3182.7	3162.7	3142.7
22.5°	3081.7	3112.4	3094.1	3075.8
25°	2949.1	2980.4	2968.2	2956.1
27.5°	2768.6	2793.4	2790.0	2786.6
30°	2636.0	2655.3	2655.3	2655.3
32.5°	2484.6	2498.8	2500.5	2502.2
35°	2235.0	2244.9	2237.0	2229.1
37.5°	1931.4	1939.5	1936.5	1933.5
40°	1701.1	1711.1	1710.4	1709.6
42.5°	1471.2	1477.3	1462.9	1448.5
45°	1091.5	1068.1	1004.5	940.9
47.5°	686.1	631.2	552.0	472.8
50°	434.8	361.3	314.2	267.0
52.5°	279.1	219.9	199.1	178.2
55°	127.6	101.5	95.8	90.1
57.5°	57.6	46.0	38.3	30.6
60°	28.4	19.1	12.0	4.8
62.5°	12.5	5.0	3.0	1.0
65°	0.5	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°	7.0	4.3	2.7	1.2
90°	34.8	21.3	13.5	5.8
92.5°	75.1	52.2	36.8	21.3
95°	150.9	119.9	85.1	60.0
97.5°	240.3	190.4	155.9	114.5
100°	288.3	239.9	207.0	162.5
102.5°	340.9	300.3	255.0	210.5
105°	435.3	385.0	332.8	282.5
107.5°	522.7	467.4	404.7	359.5
110°	578.5	518.5	452.7	412.1



TEST NUMBER: P1427564

CATALOG NUMBER: SQ2W-BBM-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	632.6	571.1	503.8	463.2
115°	706.1	638.4	576.5	541.7
117.5°	777.0	707.3	641.9	614.4
120°	820.3	750.6	686.8	665.5
122.5°	855.9	787.8	728.6	719.7
125°	909.3	839.6	789.3	800.9
127.5°	952.6	888.8	857.0	883.0
130°	978.9	922.8	903.5	940.2
132.5°	1002.1	958.4	949.9	1000.6
135°	1037.0	1011.8	1019.6	1089.2
137.5°	1078.4	1068.7	1094.6	1182.5
140°	1104.7	1110.5	1147.2	1245.9
142.5°	1140.3	1153.8	1201.4	1306.3
145°	1195.6	1224.6	1286.5	1391.0
147.5°	1258.3	1295.8	1372.4	1479.6
150°	1300.1	1348.4	1429.7	1532.2
152.5°	1348.1	1398.0	1479.2	1583.3
155°	1422.0	1478.1	1563.2	1652.2
157.5°	1497.4	1554.7	1635.9	1713.7
160°	1543.8	1605.8	1679.3	1750.8
162.5°	1596.5	1653.7	1718.0	1781.8
165°	1673.5	1719.9	1772.1	1826.3
167.5°	1738.1	1776.8	1817.8	1860.0
170°	1779.9	1810.8	1845.6	1878.5
172.5°	1815.5	1840.2	1865.8	1894.0
175°	1863.1	1876.6	1892.1	1909.5
177.5°	1899.8	1904.5	1909.1	1916.8
180°	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1427564
 CATALOG NUMBER: SQ2W-BBM-K-150U-125D-L930-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	0.65	1.99	0.00	0.00	0.21	0.88	2.21
	3H	0.00	0.00	0.00	0.39	1.75	0.00	0.00	0.02	0.61	1.97
	4H	0.00	0.00	0.00	0.25	1.61	0.00	0.00	0.00	0.48	1.84
	6H	0.00	0.00	0.00	0.09	1.47	0.00	0.00	0.00	0.32	1.70
	8H	0.00	0.00	0.00	0.02	1.39	0.00	0.00	0.00	0.25	1.62
	12H	0.00	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.15	1.55
4H	2H	0.00	0.00	0.00	0.26	1.62	0.00	0.00	0.00	0.48	1.85
	3H	0.00	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.21	1.59
	4H	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.05	1.45
	6H	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	1.29
	8H	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00	1.21
	12H	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	1.12
8H	4H	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00	1.21
	6H	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00	0.00	1.07
	8H	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.97
	12H	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.00	0.91
12H	4H	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	1.12
	6H	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.97
	8H	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.91