

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: P1427566

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427566
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-L940-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

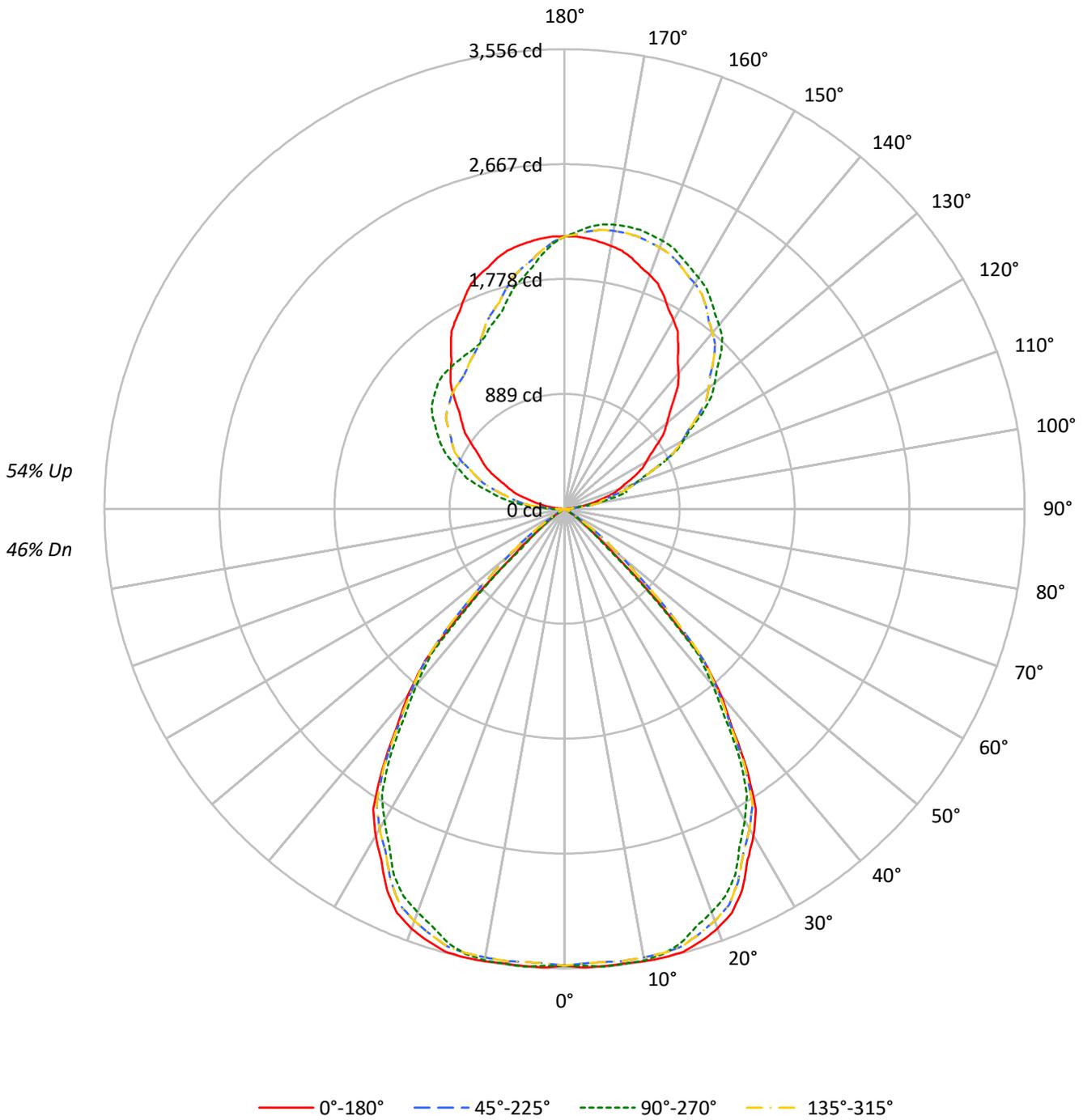
Lumens per Lamp: N/A
Luminaire Lumens: 11444.2 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.9
Input Voltage (V): 120
Input Current (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	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°	57087	57087	57087	57087
5°	57536	57622	57536	57622
10°	58258	58171	58258	58171
15°	59309	58127	59309	58127
20°	59384	57074	59384	57074
25°	57917	55648	57917	55648
30°	54444	51905	54444	51905
35°	48321	46508	48321	46508
40°	39628	37504	39628	37504
45°	23626	22173	23626	22173
50°	7375	6975	7375	6975
55°	2790	2790	2790	2790
60°	171	58	171	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: 27660 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.1	3.0
10°-20°	990.3	8.7
20°-30°	1456.9	12.7
30°-40°	1489.1	13.0
40°-50°	857.8	7.5
50°-60°	147.6	1.3
60°-70°	5.3	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	9.5
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°	2785.3	24.3
0°-40°	4274.4	37.4
0°-60°	5279.9	46.1
0°-90°	5296.4	46.3
90°-120°	1454.3	12.7
90°-150°	4561.5	39.9
90°-180°	6150.0	53.7
0°-180°	11444.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3536	3536	3536	3536	3536	
5°	3550	3555	3550	3555	3550	339
15°	3548	3478	3548	3478	3548	999
25°	3251	3124	3251	3124	3251	1483
35°	2452	2360	2452	2360	2452	1514
45°	1035	971	1035	971	1035	801
55°	99	99	99	99	99	105
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°	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8
2.5°	3551.4	3547.0	3542.6	3532.1	3519.5	3520.4	3534.9	3545.0	3541.8	3538.7	3541.8
5°	3550.0	3546.1	3542.1	3531.1	3517.8	3521.7	3542.9	3558.4	3556.9	3555.3	3556.9
7.5°	3547.9	3545.2	3542.5	3534.8	3525.3	3529.4	3546.8	3558.9	3555.0	3551.0	3555.0
10°	3553.5	3552.7	3552.0	3540.0	3524.2	3525.4	3543.5	3556.1	3552.1	3548.2	3552.1
12.5°	3556.4	3561.2	3566.1	3548.9	3524.4	3519.3	3533.6	3542.6	3535.5	3528.4	3535.5
15°	3548.2	3561.6	3574.9	3550.6	3513.6	3496.3	3498.7	3497.9	3487.7	3477.5	3487.7
17.5°	3508.6	3527.5	3546.3	3514.1	3464.9	3436.0	3427.4	3417.2	3402.8	3388.3	3402.8
20°	3456.2	3478.3	3500.3	3465.1	3410.8	3376.3	3361.3	3347.0	3334.4	3321.8	3334.4
22.5°	3382.7	3402.8	3422.9	3389.1	3337.4	3302.2	3283.5	3266.9	3256.9	3246.8	3256.9
25°	3251.1	3264.4	3277.8	3243.4	3193.1	3160.9	3146.7	3134.7	3129.2	3123.7	3129.2
27.5°	3064.6	3068.4	3072.2	3044.8	3007.1	2979.4	2961.8	2946.8	2939.8	2932.7	2939.8
30°	2920.3	2920.3	2920.3	2899.1	2870.8	2847.2	2828.3	2810.8	2797.5	2784.1	2797.5
32.5°	2751.9	2750.0	2748.1	2732.6	2712.4	2692.0	2671.2	2652.3	2639.0	2625.6	2639.0
35°	2451.6	2460.2	2468.9	2458.0	2440.8	2421.9	2401.4	2383.2	2371.4	2359.6	2371.4
37.5°	2126.5	2129.8	2133.1	2124.1	2111.0	2093.5	2071.5	2052.5	2042.6	2032.7	2042.6
40°	1880.2	1881.0	1881.8	1870.8	1855.9	1840.5	1824.8	1809.3	1794.4	1779.4	1794.4
42.5°	1593.0	1608.9	1624.7	1618.0	1603.7	1583.9	1558.8	1538.4	1532.3	1526.1	1532.3
45°	1034.7	1104.7	1174.7	1200.4	1211.4	1202.8	1174.5	1133.0	1052.0	971.1	1052.0
47.5°	520.0	607.1	694.2	754.6	806.0	791.4	710.7	628.8	543.1	457.4	543.1
50°	293.6	345.5	397.4	478.2	568.6	553.6	433.4	335.9	306.8	277.7	306.8
52.5°	196.0	218.9	241.9	306.9	386.0	380.8	291.4	220.2	203.6	187.1	203.6
55°	99.1	105.3	111.6	140.3	176.5	175.7	138.0	108.5	103.8	99.1	103.8
57.5°	33.6	42.1	50.6	63.3	77.5	77.9	64.5	52.6	44.8	37.1	44.8
60°	5.3	13.2	21.0	31.2	42.3	41.1	27.7	15.9	8.8	1.8	8.8
62.5°	1.1	3.3	5.5	13.8	24.2	23.9	13.1	4.4	2.4	0.4	2.4
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°	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8
2.5°	3545.0	3534.9	3520.4	3519.5	3532.1	3542.6	3547.0	3551.4	3547.0	3542.6	3532.1
5°	3558.4	3542.9	3521.7	3517.8	3531.1	3542.1	3546.1	3550.0	3546.1	3542.1	3531.1
7.5°	3558.9	3546.8	3529.4	3525.3	3534.8	3542.5	3545.2	3547.9	3545.2	3542.5	3534.8
10°	3556.1	3543.5	3525.4	3524.2	3540.0	3552.0	3552.7	3553.5	3552.7	3552.0	3540.0
12.5°	3542.6	3533.6	3519.3	3524.4	3548.9	3566.1	3561.2	3556.4	3561.2	3566.1	3548.9
15°	3497.9	3498.7	3496.3	3513.6	3550.6	3574.9	3561.6	3548.2	3561.6	3574.9	3550.6
17.5°	3417.2	3427.4	3436.0	3464.9	3514.1	3546.3	3527.5	3508.6	3527.5	3546.3	3514.1
20°	3347.0	3361.3	3376.3	3410.8	3465.1	3500.3	3478.3	3456.2	3478.3	3500.3	3465.1
22.5°	3266.9	3283.5	3302.2	3337.4	3389.1	3422.9	3402.8	3382.7	3402.8	3422.9	3389.1
25°	3134.7	3146.7	3160.9	3193.1	3243.4	3277.8	3264.4	3251.1	3264.4	3277.8	3243.4
27.5°	2946.8	2961.8	2979.4	3007.1	3044.8	3072.2	3068.4	3064.6	3068.4	3072.2	3044.8
30°	2810.8	2828.3	2847.2	2870.8	2899.1	2920.3	2920.3	2920.3	2920.3	2920.3	2899.1
32.5°	2652.3	2671.2	2692.0	2712.4	2732.6	2748.1	2750.0	2751.9	2750.0	2748.1	2732.6
35°	2383.2	2401.4	2421.9	2440.8	2458.0	2468.9	2460.2	2451.6	2460.2	2468.9	2458.0
37.5°	2052.5	2071.5	2093.5	2111.0	2124.1	2133.1	2129.8	2126.5	2129.8	2133.1	2124.1
40°	1809.3	1824.8	1840.5	1855.9	1870.8	1881.8	1881.0	1880.2	1881.0	1881.8	1870.8
42.5°	1538.4	1558.8	1583.9	1603.7	1618.0	1624.7	1608.9	1593.0	1608.9	1624.7	1618.0
45°	1133.0	1174.5	1202.8	1211.4	1200.4	1174.7	1104.7	1034.7	1104.7	1174.7	1200.4
47.5°	628.8	710.7	791.4	806.0	754.6	694.2	607.1	520.0	607.1	694.2	754.6
50°	335.9	433.4	553.6	568.6	478.2	397.4	345.5	293.6	345.5	397.4	478.2
52.5°	220.2	291.4	380.8	386.0	306.9	241.9	218.9	196.0	218.9	241.9	306.9
55°	108.5	138.0	175.7	176.5	140.3	111.6	105.3	99.1	105.3	111.6	140.3
57.5°	52.6	64.5	77.9	77.5	63.3	50.6	42.1	33.6	42.1	50.6	63.3
60°	15.9	27.7	41.1	42.3	31.2	21.0	13.2	5.3	13.2	21.0	31.2
62.5°	4.4	13.1	23.9	24.2	13.8	5.5	3.3	1.1	3.3	5.5	13.8
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: P1427566

CATALOG NUMBER: SQ2W-BBM-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



TEST NUMBER: P1427566

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8	3535.8
2.5°	3519.5	3520.4	3534.9	3545.0	3541.8	3538.7	3541.8	3545.0	3534.9	3520.4	3519.5
5°	3517.8	3521.7	3542.9	3558.4	3556.9	3555.3	3556.9	3558.4	3542.9	3521.7	3517.8
7.5°	3525.3	3529.4	3546.8	3558.9	3555.0	3551.0	3555.0	3558.9	3546.8	3529.4	3525.3
10°	3524.2	3525.4	3543.5	3556.1	3552.1	3548.2	3552.1	3556.1	3543.5	3525.4	3524.2
12.5°	3524.4	3519.3	3533.6	3542.6	3535.5	3528.4	3535.5	3542.6	3533.6	3519.3	3524.4
15°	3513.6	3496.3	3498.7	3497.9	3487.7	3477.5	3487.7	3497.9	3498.7	3496.3	3513.6
17.5°	3464.9	3436.0	3427.4	3417.2	3402.8	3388.3	3402.8	3417.2	3427.4	3436.0	3464.9
20°	3410.8	3376.3	3361.3	3347.0	3334.4	3321.8	3334.4	3347.0	3361.3	3376.3	3410.8
22.5°	3337.4	3302.2	3283.5	3266.9	3256.9	3246.8	3256.9	3266.9	3283.5	3302.2	3337.4
25°	3193.1	3160.9	3146.7	3134.7	3129.2	3123.7	3129.2	3134.7	3146.7	3160.9	3193.1
27.5°	3007.1	2979.4	2961.8	2946.8	2939.8	2932.7	2939.8	2946.8	2961.8	2979.4	3007.1
30°	2870.8	2847.2	2828.3	2810.8	2797.5	2784.1	2797.5	2810.8	2828.3	2847.2	2870.8
32.5°	2712.4	2692.0	2671.2	2652.3	2639.0	2625.6	2639.0	2652.3	2671.2	2692.0	2712.4
35°	2440.8	2421.9	2401.4	2383.2	2371.4	2359.6	2371.4	2383.2	2401.4	2421.9	2440.8
37.5°	2111.0	2093.5	2071.5	2052.5	2042.6	2032.7	2042.6	2052.5	2071.5	2093.5	2111.0
40°	1855.9	1840.5	1824.8	1809.3	1794.4	1779.4	1794.4	1809.3	1824.8	1840.5	1855.9
42.5°	1603.7	1583.9	1558.8	1538.4	1532.3	1526.1	1532.3	1538.4	1558.8	1583.9	1603.7
45°	1211.4	1202.8	1174.5	1133.0	1052.0	971.1	1052.0	1133.0	1174.5	1202.8	1211.4
47.5°	806.0	791.4	710.7	628.8	543.1	457.4	543.1	628.8	710.7	791.4	806.0
50°	568.6	553.6	433.4	335.9	306.8	277.7	306.8	335.9	433.4	553.6	568.6
52.5°	386.0	380.8	291.4	220.2	203.6	187.1	203.6	220.2	291.4	380.8	386.0
55°	176.5	175.7	138.0	108.5	103.8	99.1	103.8	108.5	138.0	175.7	176.5
57.5°	77.5	77.9	64.5	52.6	44.8	37.1	44.8	52.6	64.5	77.9	77.5
60°	42.3	41.1	27.7	15.9	8.8	1.8	8.8	15.9	27.7	41.1	42.3
62.5°	24.2	23.9	13.1	4.4	2.4	0.4	2.4	4.4	13.1	23.9	24.2
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: P1427566

CATALOG NUMBER: SQ2W-BBM-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: P1427566

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3535.8	3535.8	3535.8	3535.8
2.5°	3532.1	3542.6	3547.0	3551.4
5°	3531.1	3542.1	3546.1	3550.0
7.5°	3534.8	3542.5	3545.2	3547.9
10°	3540.0	3552.0	3552.7	3553.5
12.5°	3548.9	3566.1	3561.2	3556.4
15°	3550.6	3574.9	3561.6	3548.2
17.5°	3514.1	3546.3	3527.5	3508.6
20°	3465.1	3500.3	3478.3	3456.2
22.5°	3389.1	3422.9	3402.8	3382.7
25°	3243.4	3277.8	3264.4	3251.1
27.5°	3044.8	3072.2	3068.4	3064.6
30°	2899.1	2920.3	2920.3	2920.3
32.5°	2732.6	2748.1	2750.0	2751.9
35°	2458.0	2468.9	2460.2	2451.6
37.5°	2124.1	2133.1	2129.8	2126.5
40°	1870.8	1881.8	1881.0	1880.2
42.5°	1618.0	1624.7	1608.9	1593.0
45°	1200.4	1174.7	1104.7	1034.7
47.5°	754.6	694.2	607.1	520.0
50°	478.2	397.4	345.5	293.6
52.5°	306.9	241.9	218.9	196.0
55°	140.3	111.6	105.3	99.1
57.5°	63.3	50.6	42.1	33.6
60°	31.2	21.0	13.2	5.3
62.5°	13.8	5.5	3.3	1.1
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: P1427566

CATALOG NUMBER: SQ2W-BBM-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: P1427566
 CATALOG NUMBER: SQ2W-BBM-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	0.31	0.98	2.32	0.00	0.20	0.54	1.21	2.55
	3H	0.00	0.00	0.12	0.72	2.08	0.00	0.00	0.35	0.95	2.30
	4H	0.00	0.00	0.03	0.58	1.94	0.00	0.00	0.26	0.81	2.17
	6H	0.00	0.00	0.00	0.42	1.80	0.00	0.00	0.15	0.65	2.03
	8H	0.00	0.00	0.00	0.35	1.72	0.00	0.00	0.10	0.58	1.95
	12H	0.00	0.00	0.00	0.26	1.65	0.00	0.00	0.04	0.49	1.88
4H	2H	0.00	0.00	0.05	0.59	1.95	0.00	0.00	0.27	0.82	2.18
	3H	0.00	0.00	0.00	0.31	1.69	0.00	0.00	0.07	0.54	1.92
	4H	0.00	0.00	0.00	0.15	1.55	0.00	0.00	0.00	0.38	1.78
	6H	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.23	1.62
	8H	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.13	1.54
	12H	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.04	1.45
8H	4H	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.13	1.54
	6H	0.00	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00	1.40
	8H	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	1.31
	12H	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00	1.25
12H	4H	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.04	1.45
	6H	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	1.31
	8H	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00	1.24