

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: P1427553

Luminaire Tested: SQ2W-BBM-K-125U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427553  
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-125U-125D-L935-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 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

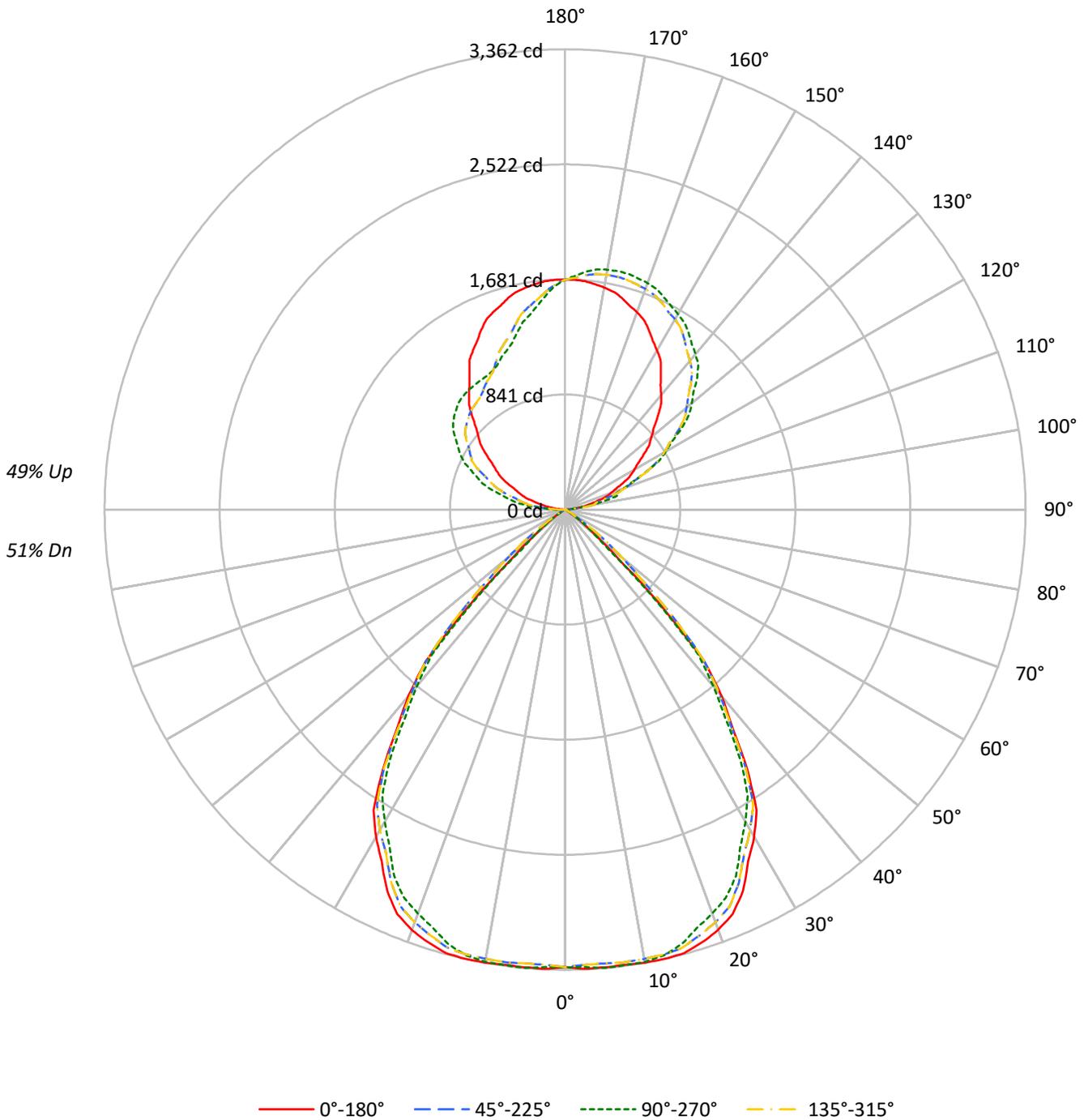
Lumens per Lamp: N/A  
Luminaire Lumens: 9905.5 lumens  
Efficiency: N/A  
Efficacy: 105.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 93.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1427553

CATALOG NUMBER: SQ2W-BBM-K-125U-125D-L935-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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51				
1	100	96	93	90	92	89	87	84	76	74	73	64	63	62	53	52	52	46				
2	93	87	82	77	86	81	76	73	69	66	64	59	57	55	49	48	47	42				
3	86	78	72	67	80	73	68	63	63	59	56	54	51	49	46	44	42	39				
4	80	71	64	59	74	66	60	56	58	53	50	50	47	44	42	40	38	35				
5	74	64	57	52	69	60	54	49	53	48	44	46	42	40	39	37	35	32				
6	69	58	51	46	64	55	49	44	48	44	40	42	39	36	36	34	32	29				
7	64	53	46	41	60	50	44	40	44	40	36	39	35	33	34	31	29	27				
8	60	49	42	37	56	46	40	36	41	36	33	36	32	30	32	29	27	25				
9	56	45	38	34	52	43	37	33	38	33	30	34	30	27	29	27	25	23				
10	53	42	35	31	49	40	34	30	35	31	27	31	28	25	28	25	23	21				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	53970	53970	53970	53970
5°	54393	54474	54393	54474
10°	55078	54994	55078	54994
15°	56069	54953	56069	54953
20°	56141	53958	56141	53958
25°	54753	52608	54753	52608
30°	51470	49071	51470	49071
35°	45682	43967	45682	43967
40°	37466	35455	37466	35455
45°	22335	20961	22335	20961
50°	6973	6593	6973	6593
55°	2635	2635	2635	2635
60°	161	55	161	55
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: 26151 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.6	3.2
10°-20°	936.2	9.5
20°-30°	1377.4	13.9
30°-40°	1407.8	14.2
40°-50°	811.0	8.2
50°-60°	139.6	1.4
60°-70°	5.0	0.1
70°-80°	0.0	0.0
80°-90°	8.9	0.1
90°-100°	133.6	1.3
100°-110°	389.6	3.9
110°-120°	635.9	6.4
120°-130°	806.9	8.1
130°-140°	863.4	8.7
140°-150°	806.2	8.1
150°-160°	663.4	6.7
160°-170°	444.9	4.5
170°-180°	158.0	1.6
0°-30°	2633.2	26.6
0°-40°	4041.0	40.8
0°-60°	4991.5	50.4
0°-90°	5005.5	50.5
90°-120°	1159.2	11.7
90°-150°	3635.7	36.7
90°-180°	4902.0	49.5
0°-180°	9905.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3343	3343	3343	3343	3343	
5°	3356	3361	3356	3361	3356	320
15°	3354	3288	3354	3288	3354	945
25°	3074	2953	3074	2953	3074	1402
35°	2318	2231	2318	2231	2318	1432
45°	978	918	978	918	978	757
55°	94	94	94	94	94	99
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	5	37	5	73	5	4
95°	53	39	53	229	53	63
105°	248	397	248	546	248	263
115°	475	658	475	811	475	468
125°	702	1043	702	994	702	628
135°	955	1365	955	1101	955	738
145°	1219	1574	1219	1124	1219	763
155°	1448	1709	1448	1167	1448	666
165°	1601	1782	1601	1343	1601	451
175°	1674	1745	1674	1575	1674	159
180°	1679	1679	1679	1679	1679	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3357.5	3353.3	3349.1	3339.2	3327.3	3328.2	3341.8	3351.4	3348.4	3345.4	3348.4
5°	3356.1	3352.4	3348.7	3338.3	3325.6	3329.4	3349.4	3364.1	3362.6	3361.1	3362.6
7.5°	3354.1	3351.6	3349.1	3341.7	3332.8	3336.6	3353.1	3364.6	3360.8	3357.1	3360.8
10°	3359.5	3358.7	3358.0	3346.6	3331.8	3332.9	3350.0	3361.9	3358.2	3354.4	3358.2
12.5°	3362.1	3366.7	3371.4	3355.1	3331.9	3327.1	3340.6	3349.1	3342.4	3335.7	3342.4
15°	3354.4	3367.1	3379.7	3356.7	3321.7	3305.4	3307.6	3306.9	3297.2	3287.6	3297.2
17.5°	3317.0	3334.8	3352.7	3322.2	3275.7	3248.4	3240.2	3230.6	3217.0	3203.3	3217.0
20°	3267.5	3288.3	3309.1	3275.8	3224.6	3191.9	3177.7	3164.2	3152.3	3140.4	3152.3
22.5°	3197.9	3217.0	3236.0	3204.1	3155.2	3121.9	3104.2	3088.5	3079.0	3069.5	3079.0
25°	3073.5	3086.1	3098.8	3066.3	3018.7	2988.2	2974.9	2963.5	2958.3	2953.1	2958.3
27.5°	2897.3	2900.8	2904.4	2878.5	2842.9	2816.7	2800.1	2785.9	2779.2	2772.5	2779.2
30°	2760.8	2760.8	2760.8	2740.7	2714.0	2691.7	2673.9	2657.3	2644.7	2632.1	2644.7
32.5°	2601.6	2599.8	2598.0	2583.3	2564.3	2545.0	2525.4	2507.5	2494.9	2482.2	2494.9
35°	2317.7	2325.9	2334.0	2323.8	2307.5	2289.6	2270.3	2253.0	2241.9	2230.7	2241.9
37.5°	2010.3	2013.4	2016.6	2008.1	1995.8	1979.2	1958.4	1940.4	1931.1	1921.7	1931.1
40°	1777.6	1778.3	1779.0	1768.6	1754.5	1740.0	1725.2	1710.5	1696.4	1682.2	1696.4
42.5°	1506.0	1521.0	1536.0	1529.6	1516.1	1497.4	1473.7	1454.4	1448.6	1442.8	1448.6
45°	978.2	1044.4	1110.5	1134.9	1145.3	1137.1	1110.3	1071.1	994.6	918.0	994.6
47.5°	491.6	574.0	656.3	713.4	762.0	748.1	671.9	594.5	513.4	432.4	513.4
50°	277.6	326.6	375.7	452.1	537.5	523.4	409.7	317.5	290.0	262.5	290.0
52.5°	185.3	207.0	228.7	290.2	364.9	360.0	275.5	208.1	192.5	176.9	192.5
55°	93.6	99.6	105.5	132.7	166.8	166.1	130.4	102.6	98.1	93.6	98.1
57.5°	31.8	39.8	47.8	59.9	73.2	73.6	61.0	49.7	42.4	35.1	42.4
60°	5.0	12.4	19.9	29.5	39.9	38.8	26.2	15.0	8.4	1.7	8.4
62.5°	1.0	3.1	5.2	13.0	22.9	22.6	12.4	4.2	2.3	0.3	2.3
65°	0.0	0.0	0.0	0.6	1.3	1.3	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°	1.0	2.4	4.1	5.4	6.4	6.8	6.8	7.1	7.5	7.5	7.5
90°	5.1	11.9	20.3	27.1	32.2	33.9	33.9	35.6	37.3	37.3	37.3
92.5°	18.7	29.5	29.8	29.8	36.3	39.3	42.1	42.4	44.1	44.1	44.1
95°	52.6	57.7	86.5	84.8	57.7	45.8	39.0	39.0	39.0	39.0	39.0
97.5°	100.4	107.9	112.6	150.9	159.4	154.0	125.5	105.5	94.3	89.2	94.3
100°	142.4	145.8	156.0	157.7	200.1	240.8	220.5	195.0	186.5	181.5	186.5
102.5°	184.5	186.5	202.1	209.3	219.1	242.2	312.7	304.9	299.1	298.1	299.1
105°	247.6	249.3	278.1	291.7	298.5	298.5	296.8	330.7	385.0	396.8	385.0
107.5°	315.1	322.9	356.8	393.1	400.9	402.9	394.1	389.0	387.0	388.3	387.0
110°	361.2	373.1	413.8	459.6	471.4	474.8	471.4	466.3	463.0	463.0	463.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	406.0	423.3	469.4	522.0	542.0	552.2	544.7	541.0	537.6	540.3	537.6
115°	474.8	500.3	561.3	615.6	656.3	661.4	659.7	659.7	658.0	658.0	658.0
117.5°	538.6	579.3	647.8	710.9	758.0	771.6	778.4	776.3	774.3	777.7	774.3
120°	583.4	630.8	708.9	780.1	825.9	846.2	853.0	849.6	853.0	849.6	853.0
122.5°	630.8	689.2	765.8	839.8	893.7	916.8	924.9	925.6	926.3	924.2	926.3
125°	702.1	773.3	863.2	939.5	995.4	1022.6	1029.4	1031.1	1034.4	1042.9	1034.4
127.5°	774.0	854.7	953.4	1027.0	1084.3	1117.2	1127.7	1131.4	1138.6	1142.3	1138.6
130°	824.2	915.7	1015.8	1085.3	1141.3	1176.9	1195.6	1200.6	1209.1	1207.4	1209.1
132.5°	877.1	972.7	1074.1	1146.4	1198.3	1236.6	1252.5	1267.1	1270.2	1272.5	1270.2
135°	954.7	1058.2	1159.9	1231.2	1280.3	1317.7	1338.0	1351.6	1360.0	1365.1	1360.0
137.5°	1036.5	1145.7	1243.4	1306.8	1356.3	1388.5	1411.6	1425.8	1434.7	1438.7	1434.7
140°	1092.1	1197.2	1292.2	1358.3	1402.4	1434.7	1455.0	1472.0	1482.1	1482.1	1482.1
142.5°	1145.0	1248.8	1341.1	1407.2	1445.9	1475.4	1497.1	1510.0	1521.5	1521.5	1521.5
145°	1219.3	1322.7	1407.5	1473.7	1505.9	1533.0	1556.8	1566.9	1573.7	1573.7	1573.7
147.5°	1297.0	1388.5	1465.9	1529.3	1556.4	1588.3	1607.0	1615.1	1623.6	1619.8	1623.6
150°	1343.1	1427.9	1502.5	1561.8	1589.0	1619.5	1638.2	1644.9	1653.4	1648.3	1653.4
152.5°	1387.9	1468.6	1536.4	1591.7	1614.8	1645.3	1666.6	1673.4	1679.2	1675.5	1679.2
155°	1448.2	1519.5	1582.2	1633.1	1653.4	1682.3	1702.6	1711.1	1717.9	1709.4	1717.9
157.5°	1502.2	1563.5	1618.1	1665.0	1686.7	1711.4	1730.4	1740.9	1747.7	1744.0	1747.7
160°	1534.7	1590.7	1639.9	1683.9	1704.3	1726.3	1746.7	1758.6	1765.3	1760.3	1765.3
162.5°	1561.8	1612.4	1658.8	1698.9	1716.5	1735.8	1760.3	1770.8	1777.6	1771.1	1777.6
165°	1600.9	1641.6	1682.3	1716.2	1731.4	1746.7	1772.1	1784.0	1789.1	1782.3	1789.1
167.5°	1630.4	1661.6	1694.5	1723.6	1734.8	1749.7	1775.2	1785.0	1791.5	1783.0	1791.5
170°	1646.6	1673.8	1702.6	1726.3	1734.8	1748.4	1773.8	1782.3	1787.4	1778.9	1787.4
172.5°	1660.2	1680.6	1704.0	1725.0	1729.4	1740.2	1764.3	1772.8	1776.5	1769.4	1776.5
175°	1673.8	1685.6	1702.6	1716.2	1714.5	1721.3	1741.6	1748.4	1755.2	1745.0	1755.2
177.5°	1680.2	1685.6	1691.1	1699.2	1693.8	1693.8	1708.7	1712.8	1714.1	1708.7	1714.1
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3351.4	3341.8	3328.2	3327.3	3339.2	3349.1	3353.3	3357.5	3353.3	3349.1	3339.2
5°	3364.1	3349.4	3329.4	3325.6	3338.3	3348.7	3352.4	3356.1	3352.4	3348.7	3338.3
7.5°	3364.6	3353.1	3336.6	3332.8	3341.7	3349.1	3351.6	3354.1	3351.6	3349.1	3341.7
10°	3361.9	3350.0	3332.9	3331.8	3346.6	3358.0	3358.7	3359.5	3358.7	3358.0	3346.6
12.5°	3349.1	3340.6	3327.1	3331.9	3355.1	3371.4	3366.7	3362.1	3366.7	3371.4	3355.1
15°	3306.9	3307.6	3305.4	3321.7	3356.7	3379.7	3367.1	3354.4	3367.1	3379.7	3356.7
17.5°	3230.6	3240.2	3248.4	3275.7	3322.2	3352.7	3334.8	3317.0	3334.8	3352.7	3322.2
20°	3164.2	3177.7	3191.9	3224.6	3275.8	3309.1	3288.3	3267.5	3288.3	3309.1	3275.8
22.5°	3088.5	3104.2	3121.9	3155.2	3204.1	3236.0	3217.0	3197.9	3217.0	3236.0	3204.1
25°	2963.5	2974.9	2988.2	3018.7	3066.3	3098.8	3086.1	3073.5	3086.1	3098.8	3066.3
27.5°	2785.9	2800.1	2816.7	2842.9	2878.5	2904.4	2900.8	2897.3	2900.8	2904.4	2878.5
30°	2657.3	2673.9	2691.7	2714.0	2740.7	2760.8	2760.8	2760.8	2760.8	2760.8	2740.7
32.5°	2507.5	2525.4	2545.0	2564.3	2583.3	2598.0	2599.8	2601.6	2599.8	2598.0	2583.3
35°	2253.0	2270.3	2289.6	2307.5	2323.8	2334.0	2325.9	2317.7	2325.9	2334.0	2323.8
37.5°	1940.4	1958.4	1979.2	1995.8	2008.1	2016.6	2013.4	2010.3	2013.4	2016.6	2008.1
40°	1710.5	1725.2	1740.0	1754.5	1768.6	1779.0	1778.3	1777.6	1778.3	1779.0	1768.6
42.5°	1454.4	1473.7	1497.4	1516.1	1529.6	1536.0	1521.0	1506.0	1521.0	1536.0	1529.6
45°	1071.1	1110.3	1137.1	1145.3	1134.9	1110.5	1044.4	978.2	1044.4	1110.5	1134.9
47.5°	594.5	671.9	748.1	762.0	713.4	656.3	574.0	491.6	574.0	656.3	713.4
50°	317.5	409.7	523.4	537.5	452.1	375.7	326.6	277.6	326.6	375.7	452.1
52.5°	208.1	275.5	360.0	364.9	290.2	228.7	207.0	185.3	207.0	228.7	290.2
55°	102.6	130.4	166.1	166.8	132.7	105.5	99.6	93.6	99.6	105.5	132.7
57.5°	49.7	61.0	73.6	73.2	59.9	47.8	39.8	31.8	39.8	47.8	59.9
60°	15.0	26.2	38.8	39.9	29.5	19.9	12.4	5.0	12.4	19.9	29.5
62.5°	4.2	12.4	22.6	22.9	13.0	5.2	3.1	1.0	3.1	5.2	13.0
65°	0.0	0.6	1.3	1.3	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°	7.1	6.8	6.8	6.4	5.4	4.1	2.4	1.0	2.4	3.7	6.1
90°	35.6	33.9	33.9	32.2	27.1	20.3	11.9	5.1	11.9	18.7	30.5
92.5°	42.4	42.1	39.3	36.3	29.8	29.8	29.5	18.7	32.2	45.8	65.8
95°	39.0	39.0	45.8	57.7	84.8	86.5	57.7	52.6	74.6	105.1	132.3
97.5°	105.5	125.5	154.0	159.4	150.9	112.6	107.9	100.4	136.7	166.9	210.6
100°	195.0	220.5	240.8	200.1	157.7	156.0	145.8	142.4	181.5	210.3	252.7
102.5°	304.9	312.7	242.2	219.1	209.3	202.1	186.5	184.5	223.5	263.2	298.8
105°	330.7	296.8	298.5	298.5	291.7	278.1	249.3	247.6	291.7	337.5	381.6
107.5°	389.0	394.1	402.9	400.9	393.1	356.8	322.9	315.1	354.8	409.7	458.2
110°	466.3	471.4	474.8	471.4	459.6	413.8	373.1	361.2	396.8	454.5	507.0



TEST NUMBER: P1427553

CATALOG NUMBER: SQ2W-BBM-K-125U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	541.0	544.7	552.2	542.0	522.0	469.4	423.3	406.0	441.6	500.6	554.5
115°	659.7	659.7	661.4	656.3	615.6	561.3	500.3	474.8	505.4	559.6	619.0
117.5°	776.3	778.4	771.6	758.0	710.9	647.8	579.3	538.6	562.7	620.0	681.0
120°	849.6	853.0	846.2	825.9	780.1	708.9	630.8	583.4	602.0	658.0	719.0
122.5°	925.6	924.9	916.8	893.7	839.8	765.8	689.2	630.8	638.6	690.5	750.2
125°	1031.1	1029.4	1022.6	995.4	939.5	863.2	773.3	702.1	691.9	736.0	797.0
127.5°	1131.4	1127.7	1117.2	1084.3	1027.0	953.4	854.7	774.0	751.2	779.1	835.0
130°	1200.6	1195.6	1176.9	1141.3	1085.3	1015.8	915.7	824.2	791.9	808.9	858.1
132.5°	1267.1	1252.5	1236.6	1198.3	1146.4	1074.1	972.7	877.1	832.6	840.1	878.4
135°	1351.6	1338.0	1317.7	1280.3	1231.2	1159.9	1058.2	954.7	893.7	886.9	909.0
137.5°	1425.8	1411.6	1388.5	1356.3	1306.8	1243.4	1145.7	1036.5	959.5	936.8	945.2
140°	1472.0	1455.0	1434.7	1402.4	1358.3	1292.2	1197.2	1092.1	1005.6	973.4	968.3
142.5°	1510.0	1497.1	1475.4	1445.9	1407.2	1341.1	1248.8	1145.0	1053.1	1011.4	999.5
145°	1566.9	1556.8	1533.0	1505.9	1473.7	1407.5	1322.7	1219.3	1127.7	1073.5	1048.0
147.5°	1615.1	1607.0	1588.3	1556.4	1529.3	1465.9	1388.5	1297.0	1203.0	1135.9	1103.0
150°	1644.9	1638.2	1619.5	1589.0	1561.8	1502.5	1427.9	1343.1	1253.2	1182.0	1139.6
152.5°	1673.4	1666.6	1645.3	1614.8	1591.7	1536.4	1468.6	1387.9	1296.6	1225.4	1181.6
155°	1711.1	1702.6	1682.3	1653.4	1633.1	1582.2	1519.5	1448.2	1370.2	1295.6	1246.4
157.5°	1740.9	1730.4	1711.4	1686.7	1665.0	1618.1	1563.5	1502.2	1434.0	1362.8	1312.6
160°	1758.6	1746.7	1726.3	1704.3	1683.9	1639.9	1590.7	1534.7	1472.0	1407.5	1353.3
162.5°	1770.8	1760.3	1735.8	1716.5	1698.9	1658.8	1612.4	1561.8	1505.9	1449.6	1399.4
165°	1784.0	1772.1	1746.7	1731.4	1716.2	1682.3	1641.6	1600.9	1553.4	1507.6	1466.9
167.5°	1785.0	1775.2	1749.7	1734.8	1723.6	1694.5	1661.6	1630.4	1593.4	1557.4	1523.5
170°	1782.3	1773.8	1748.4	1734.8	1726.3	1702.6	1673.8	1646.6	1617.8	1587.3	1560.2
172.5°	1772.8	1764.3	1740.2	1729.4	1725.0	1704.0	1680.6	1660.2	1635.4	1613.1	1591.4
175°	1748.4	1741.6	1721.3	1714.5	1716.2	1702.6	1685.6	1673.8	1658.5	1644.9	1633.1
177.5°	1712.8	1708.7	1693.8	1693.8	1699.2	1691.1	1685.6	1680.2	1673.4	1669.4	1665.3
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1427553

CATALOG NUMBER: SQ2W-BBM-K-125U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3327.3	3328.2	3341.8	3351.4	3348.4	3345.4	3348.4	3351.4	3341.8	3328.2	3327.3
5°	3325.6	3329.4	3349.4	3364.1	3362.6	3361.1	3362.6	3364.1	3349.4	3329.4	3325.6
7.5°	3332.8	3336.6	3353.1	3364.6	3360.8	3357.1	3360.8	3364.6	3353.1	3336.6	3332.8
10°	3331.8	3332.9	3350.0	3361.9	3358.2	3354.4	3358.2	3361.9	3350.0	3332.9	3331.8
12.5°	3331.9	3327.1	3340.6	3349.1	3342.4	3335.7	3342.4	3349.1	3340.6	3327.1	3331.9
15°	3321.7	3305.4	3307.6	3306.9	3297.2	3287.6	3297.2	3306.9	3307.6	3305.4	3321.7
17.5°	3275.7	3248.4	3240.2	3230.6	3217.0	3203.3	3217.0	3230.6	3240.2	3248.4	3275.7
20°	3224.6	3191.9	3177.7	3164.2	3152.3	3140.4	3152.3	3164.2	3177.7	3191.9	3224.6
22.5°	3155.2	3121.9	3104.2	3088.5	3079.0	3069.5	3079.0	3088.5	3104.2	3121.9	3155.2
25°	3018.7	2988.2	2974.9	2963.5	2958.3	2953.1	2958.3	2963.5	2974.9	2988.2	3018.7
27.5°	2842.9	2816.7	2800.1	2785.9	2779.2	2772.5	2779.2	2785.9	2800.1	2816.7	2842.9
30°	2714.0	2691.7	2673.9	2657.3	2644.7	2632.1	2644.7	2657.3	2673.9	2691.7	2714.0
32.5°	2564.3	2545.0	2525.4	2507.5	2494.9	2482.2	2494.9	2507.5	2525.4	2545.0	2564.3
35°	2307.5	2289.6	2270.3	2253.0	2241.9	2230.7	2241.9	2253.0	2270.3	2289.6	2307.5
37.5°	1995.8	1979.2	1958.4	1940.4	1931.1	1921.7	1931.1	1940.4	1958.4	1979.2	1995.8
40°	1754.5	1740.0	1725.2	1710.5	1696.4	1682.2	1696.4	1710.5	1725.2	1740.0	1754.5
42.5°	1516.1	1497.4	1473.7	1454.4	1448.6	1442.8	1448.6	1454.4	1473.7	1497.4	1516.1
45°	1145.3	1137.1	1110.3	1071.1	994.6	918.0	994.6	1071.1	1110.3	1137.1	1145.3
47.5°	762.0	748.1	671.9	594.5	513.4	432.4	513.4	594.5	671.9	748.1	762.0
50°	537.5	523.4	409.7	317.5	290.0	262.5	290.0	317.5	409.7	523.4	537.5
52.5°	364.9	360.0	275.5	208.1	192.5	176.9	192.5	208.1	275.5	360.0	364.9
55°	166.8	166.1	130.4	102.6	98.1	93.6	98.1	102.6	130.4	166.1	166.8
57.5°	73.2	73.6	61.0	49.7	42.4	35.1	42.4	49.7	61.0	73.6	73.2
60°	39.9	38.8	26.2	15.0	8.4	1.7	8.4	15.0	26.2	38.8	39.9
62.5°	22.9	22.6	12.4	4.2	2.3	0.3	2.3	4.2	12.4	22.6	22.9
65°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.6	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°	7.8	10.2	12.5	13.9	15.3	14.6	15.3	13.9	12.5	10.2	7.8
90°	39.0	50.9	62.7	69.5	76.3	72.9	76.3	69.5	62.7	50.9	39.0
92.5°	78.3	98.4	112.9	125.2	130.6	129.9	130.6	125.2	112.9	98.4	78.3
95°	157.7	181.5	205.2	222.2	232.3	228.9	232.3	222.2	205.2	181.5	157.7
97.5°	243.2	275.1	301.5	317.5	327.6	334.4	327.6	317.5	301.5	275.1	243.2
100°	300.2	330.7	361.2	379.9	396.8	403.6	396.8	379.9	361.2	330.7	300.2
102.5°	346.3	386.3	419.5	439.6	453.8	460.6	453.8	439.6	419.5	386.3	346.3
105°	422.3	464.7	500.3	525.7	541.0	546.1	541.0	525.7	500.3	464.7	422.3
107.5°	498.2	542.0	574.9	603.0	621.7	632.5	621.7	603.0	574.9	542.0	498.2
110°	557.9	593.5	629.1	654.6	673.2	680.0	673.2	654.6	629.1	593.5	557.9



TEST NUMBER: P1427553

CATALOG NUMBER: SQ2W-BBM-K-125U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	608.1	647.8	683.4	708.9	730.2	739.7	730.2	708.9	683.4	647.8	608.1
115°	678.3	730.9	763.1	786.9	802.1	810.6	802.1	786.9	763.1	730.9	678.3
117.5°	736.7	791.6	826.9	845.2	852.3	858.4	852.3	845.2	826.9	791.6	736.7
120°	773.3	824.2	864.9	888.6	897.1	900.5	897.1	888.6	864.9	824.2	773.3
122.5°	807.2	855.4	894.7	923.9	937.8	941.2	937.8	923.9	894.7	855.4	807.2
125°	854.7	900.5	941.2	970.0	985.3	993.7	985.3	970.0	941.2	900.5	854.7
127.5°	896.1	945.6	982.9	1009.0	1023.9	1030.7	1023.9	1009.0	982.9	945.6	896.1
130°	919.1	970.0	1007.3	1036.1	1049.7	1056.5	1049.7	1036.1	1007.3	970.0	919.1
132.5°	936.8	990.4	1029.0	1055.1	1070.1	1076.8	1070.1	1055.1	1029.0	990.4	936.8
135°	958.1	1014.1	1054.8	1080.2	1093.8	1100.6	1093.8	1080.2	1054.8	1014.1	958.1
137.5°	976.8	1027.7	1070.1	1096.9	1109.1	1113.5	1109.1	1096.9	1070.1	1027.7	976.8
140°	990.4	1034.4	1076.8	1102.3	1115.8	1117.5	1115.8	1102.3	1076.8	1034.4	990.4
142.5°	1008.0	1042.6	1079.6	1105.0	1118.6	1121.6	1118.6	1105.0	1079.6	1042.6	1008.0
145°	1039.5	1059.9	1085.3	1109.1	1120.9	1124.3	1120.9	1109.1	1085.3	1059.9	1039.5
147.5°	1079.2	1085.7	1098.9	1114.5	1126.0	1128.4	1126.0	1114.5	1098.9	1085.7	1079.2
150°	1109.1	1107.4	1112.5	1122.6	1132.8	1131.1	1132.8	1122.6	1112.5	1107.4	1109.1
152.5°	1143.0	1133.1	1132.8	1137.6	1142.3	1142.0	1142.3	1137.6	1132.8	1133.1	1143.0
155°	1200.6	1182.0	1171.8	1168.4	1168.4	1166.7	1168.4	1168.4	1171.8	1182.0	1200.6
157.5°	1264.1	1237.9	1222.7	1214.5	1212.2	1208.4	1212.2	1214.5	1222.7	1237.9	1264.1
160°	1307.5	1278.6	1263.4	1249.8	1244.7	1239.6	1244.7	1249.8	1263.4	1278.6	1307.5
162.5°	1348.2	1320.7	1304.1	1291.9	1286.8	1279.0	1286.8	1291.9	1304.1	1320.7	1348.2
165°	1414.3	1385.5	1366.8	1356.7	1349.9	1343.1	1349.9	1356.7	1366.8	1385.5	1414.3
167.5°	1480.4	1448.9	1436.7	1425.2	1418.7	1406.5	1418.7	1425.2	1436.7	1448.9	1480.4
170°	1521.1	1492.3	1485.5	1475.4	1463.5	1449.9	1463.5	1475.4	1485.5	1492.3	1521.1
172.5°	1556.4	1537.1	1530.3	1520.1	1516.4	1505.5	1516.4	1520.1	1530.3	1537.1	1556.4
175°	1607.6	1592.4	1592.4	1590.7	1585.6	1575.4	1585.6	1590.7	1592.4	1592.4	1607.6
177.5°	1650.4	1642.2	1647.7	1647.7	1646.3	1636.8	1646.3	1647.7	1647.7	1642.2	1650.4
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1427553

CATALOG NUMBER: SQ2W-BBM-K-125U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	3342.7	3342.7	3342.7	3342.7
2.5°	3339.2	3349.1	3353.3	3357.5
5°	3338.3	3348.7	3352.4	3356.1
7.5°	3341.7	3349.1	3351.6	3354.1
10°	3346.6	3358.0	3358.7	3359.5
12.5°	3355.1	3371.4	3366.7	3362.1
15°	3356.7	3379.7	3367.1	3354.4
17.5°	3322.2	3352.7	3334.8	3317.0
20°	3275.8	3309.1	3288.3	3267.5
22.5°	3204.1	3236.0	3217.0	3197.9
25°	3066.3	3098.8	3086.1	3073.5
27.5°	2878.5	2904.4	2900.8	2897.3
30°	2740.7	2760.8	2760.8	2760.8
32.5°	2583.3	2598.0	2599.8	2601.6
35°	2323.8	2334.0	2325.9	2317.7
37.5°	2008.1	2016.6	2013.4	2010.3
40°	1768.6	1779.0	1778.3	1777.6
42.5°	1529.6	1536.0	1521.0	1506.0
45°	1134.9	1110.5	1044.4	978.2
47.5°	713.4	656.3	574.0	491.6
50°	452.1	375.7	326.6	277.6
52.5°	290.2	228.7	207.0	185.3
55°	132.7	105.5	99.6	93.6
57.5°	59.9	47.8	39.8	31.8
60°	29.5	19.9	12.4	5.0
62.5°	13.0	5.2	3.1	1.0
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°	6.1	3.7	2.4	1.0
90°	30.5	18.7	11.9	5.1
92.5°	65.8	45.8	32.2	18.7
95°	132.3	105.1	74.6	52.6
97.5°	210.6	166.9	136.7	100.4
100°	252.7	210.3	181.5	142.4
102.5°	298.8	263.2	223.5	184.5
105°	381.6	337.5	291.7	247.6
107.5°	458.2	409.7	354.8	315.1
110°	507.0	454.5	396.8	361.2



TEST NUMBER: P1427553

CATALOG NUMBER: SQ2W-BBM-K-125U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	554.5	500.6	441.6	406.0
115°	619.0	559.6	505.4	474.8
117.5°	681.0	620.0	562.7	538.6
120°	719.0	658.0	602.0	583.4
122.5°	750.2	690.5	638.6	630.8
125°	797.0	736.0	691.9	702.1
127.5°	835.0	779.1	751.2	774.0
130°	858.1	808.9	791.9	824.2
132.5°	878.4	840.1	832.6	877.1
135°	909.0	886.9	893.7	954.7
137.5°	945.2	936.8	959.5	1036.5
140°	968.3	973.4	1005.6	1092.1
142.5°	999.5	1011.4	1053.1	1145.0
145°	1048.0	1073.5	1127.7	1219.3
147.5°	1103.0	1135.9	1203.0	1297.0
150°	1139.6	1182.0	1253.2	1343.1
152.5°	1181.6	1225.4	1296.6	1387.9
155°	1246.4	1295.6	1370.2	1448.2
157.5°	1312.6	1362.8	1434.0	1502.2
160°	1353.3	1407.5	1472.0	1534.7
162.5°	1399.4	1449.6	1505.9	1561.8
165°	1466.9	1507.6	1553.4	1600.9
167.5°	1523.5	1557.4	1593.4	1630.4
170°	1560.2	1587.3	1617.8	1646.6
172.5°	1591.4	1613.1	1635.4	1660.2
175°	1633.1	1644.9	1658.5	1673.8
177.5°	1665.3	1669.4	1673.4	1680.2
180°	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1427553  
 CATALOG NUMBER: SQ2W-BBM-K-125U-125D-L935-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	0.22	0.50	1.20	2.47	0.00	0.45	0.73	1.43	2.70
	3H	0.00	0.00	0.32	0.93	2.23	0.00	0.18	0.55	1.16	2.46
	4H	0.00	0.00	0.23	0.79	2.10	0.00	0.03	0.46	1.02	2.33
	6H	0.00	0.00	0.12	0.64	1.96	0.00	0.00	0.35	0.87	2.19
	8H	0.00	0.00	0.07	0.56	1.88	0.00	0.00	0.30	0.79	2.11
	12H	0.00	0.00	0.01	0.47	1.81	0.00	0.00	0.24	0.70	2.04
4H	2H	0.00	0.00	0.24	0.80	2.11	0.00	0.04	0.47	1.03	2.34
	3H	0.00	0.00	0.05	0.52	1.84	0.00	0.00	0.27	0.75	2.07
	4H	0.00	0.00	0.00	0.36	1.71	0.00	0.00	0.17	0.59	1.93
	6H	0.00	0.00	0.00	0.21	1.55	0.00	0.00	0.07	0.44	1.78
	8H	0.00	0.00	0.00	0.11	1.46	0.00	0.00	0.00	0.34	1.69
	12H	0.00	0.00	0.00	0.02	1.38	0.00	0.00	0.00	0.25	1.61
8H	4H	0.00	0.00	0.00	0.11	1.46	0.00	0.00	0.00	0.34	1.69
	6H	0.00	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.20	1.55
	8H	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.09	1.46
	12H	0.00	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00	1.40
12H	4H	0.00	0.00	0.00	0.02	1.38	0.00	0.00	0.00	0.25	1.61
	6H	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.09	1.46
	8H	0.00	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00	1.40