

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: P1427549

Luminaire Tested: SQ2W-BBM-K-125U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427549  
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-100D-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 1000 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

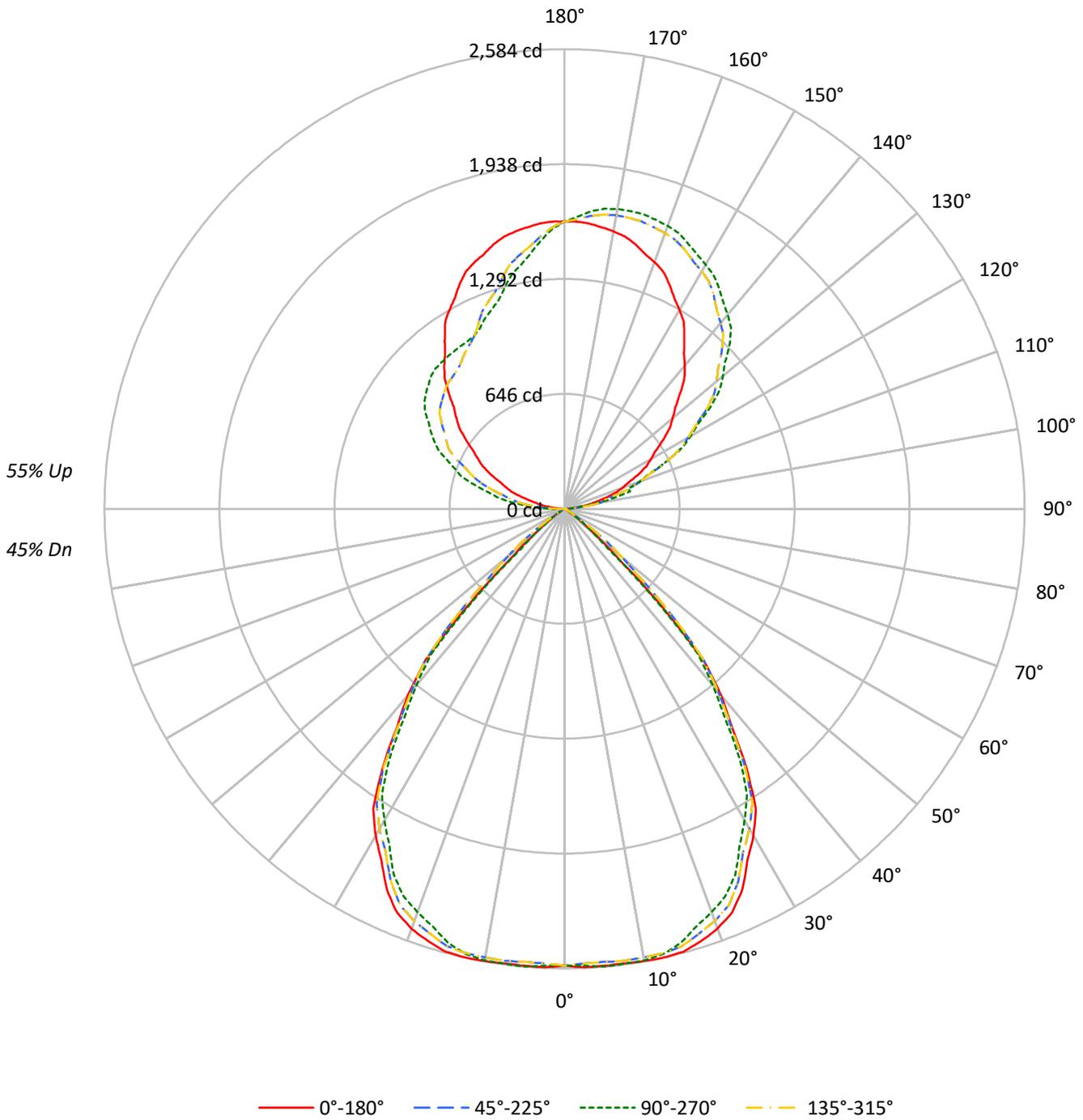
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8561.2 lumens  
Efficiency: N/A  
Efficacy: 104.3 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): 82.1  
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

TEST NUMBER: P1427549

CATALOG NUMBER: SQ2W-BBM-K-125U-100D-L930-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	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	65	65	65	51	51	51	45
1	98	95	92	89	90	87	85	82	73	71	70	60	59	58	48	47	47	41
2	91	85	80	76	84	78	74	70	66	63	61	55	53	51	45	43	42	38
3	84	76	70	65	78	71	66	61	60	56	53	50	48	46	41	40	38	34
4	78	69	62	57	72	64	58	54	55	51	47	46	43	41	38	36	35	31
5	73	62	55	50	67	58	52	47	50	46	42	43	39	37	36	33	32	28
6	67	57	50	45	62	53	47	42	46	41	38	39	36	33	33	31	29	26
7	63	52	45	40	58	49	42	38	42	37	34	36	33	30	31	28	26	24
8	59	48	41	36	54	45	38	34	39	34	31	34	30	27	29	26	24	22
9	55	44	37	32	51	41	35	31	36	31	28	31	28	25	27	24	22	20
10	51	40	34	29	48	38	32	28	33	29	26	29	25	23	25	22	20	19

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

	0°	90°	180°	270°
0°	41476	41476	41476	41476
5°	41800	41863	41800	41863
10°	42326	42262	42326	42262
15°	43088	42229	43088	42229
20°	43143	41466	43143	41466
25°	42078	40429	42078	40429
30°	39554	37710	39554	37710
35°	35106	33789	35106	33789
40°	28791	27248	28791	27248
45°	17166	16109	17166	16109
50°	5358	5069	5358	5069
55°	2027	2027	2027	2027
60°	126	42	126	42
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: 20096 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.6	2.9
10°-20°	719.5	8.4
20°-30°	1058.5	12.4
30°-40°	1081.9	12.6
40°-50°	623.2	7.3
50°-60°	107.3	1.3
60°-70°	3.9	0.0
70°-80°	0.0	0.0
80°-90°	8.6	0.1
90°-100°	128.5	1.5
100°-110°	374.8	4.4
110°-120°	611.6	7.1
120°-130°	776.1	9.1
130°-140°	830.4	9.7
140°-150°	775.4	9.1
150°-160°	638.1	7.5
160°-170°	427.9	5.0
170°-180°	151.9	1.8
0°-30°	2023.6	23.6
0°-40°	3105.5	36.3
0°-60°	3835.9	44.8
0°-90°	3848.4	45.0
90°-120°	1114.9	13.0
90°-150°	3496.8	40.8
90°-180°	4715.0	55.1
0°-180°	8561.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2569	2569	2569	2569	2569	
5°	2579	2583	2579	2583	2579	246
15°	2578	2526	2578	2526	2578	726
25°	2362	2269	2362	2269	2362	1078
35°	1781	1714	1781	1714	1781	1100
45°	752	706	752	706	752	582
55°	72	72	72	72	72	76
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	5	36	5	70	5	4
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



TEST NUMBER: P1427549

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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9
2.5°	2580.2	2577.0	2573.8	2566.1	2557.0	2557.7	2568.2	2575.5	2573.2	2570.9	2573.2
5°	2579.1	2576.3	2573.4	2565.4	2555.7	2558.6	2574.0	2585.3	2584.1	2583.0	2584.1
7.5°	2577.6	2575.7	2573.7	2568.1	2561.2	2564.1	2576.8	2585.6	2582.8	2579.9	2582.8
10°	2581.7	2581.1	2580.6	2571.9	2560.4	2561.3	2574.4	2583.6	2580.7	2577.8	2580.7
12.5°	2583.8	2587.3	2590.8	2578.4	2560.5	2556.8	2567.2	2573.7	2568.6	2563.5	2568.6
15°	2577.8	2587.6	2597.3	2579.6	2552.7	2540.2	2541.9	2541.3	2533.9	2526.4	2533.9
17.5°	2549.1	2562.8	2576.5	2553.1	2517.3	2496.3	2490.0	2482.7	2472.2	2461.7	2472.2
20°	2511.0	2527.0	2543.0	2517.5	2478.0	2452.9	2442.1	2431.6	2422.5	2413.4	2422.5
22.5°	2457.6	2472.2	2486.8	2462.3	2424.7	2399.1	2385.5	2373.5	2366.2	2358.9	2366.2
25°	2362.0	2371.7	2381.4	2356.4	2319.8	2296.4	2286.1	2277.4	2273.4	2269.4	2273.4
27.5°	2226.5	2229.3	2232.0	2212.1	2184.7	2164.6	2151.8	2140.9	2135.8	2130.6	2135.8
30°	2121.6	2121.6	2121.6	2106.2	2085.7	2068.5	2054.8	2042.1	2032.4	2022.7	2032.4
32.5°	1999.3	1997.9	1996.6	1985.3	1970.6	1955.8	1940.7	1927.0	1917.3	1907.6	1917.3
35°	1781.1	1787.4	1793.7	1785.8	1773.3	1759.5	1744.7	1731.4	1722.8	1714.3	1722.8
37.5°	1544.9	1547.3	1549.7	1543.2	1533.7	1521.0	1505.0	1491.2	1484.0	1476.8	1484.0
40°	1366.0	1366.6	1367.2	1359.2	1348.3	1337.2	1325.8	1314.5	1303.6	1292.8	1303.6
42.5°	1157.3	1168.9	1180.4	1175.5	1165.1	1150.8	1132.5	1117.7	1113.2	1108.8	1113.2
45°	751.8	802.6	853.4	872.1	880.1	873.8	853.3	823.2	764.3	705.5	764.3
47.5°	377.8	441.1	504.4	548.2	585.6	574.9	516.3	456.8	394.6	332.3	394.6
50°	213.3	251.0	288.7	347.4	413.1	402.2	314.8	244.0	222.9	201.8	222.9
52.5°	142.4	159.1	175.7	223.0	280.5	276.7	211.7	159.9	148.0	136.0	148.0
55°	72.0	76.5	81.1	101.9	128.2	127.7	100.2	78.8	75.4	72.0	75.4
57.5°	24.4	30.6	36.8	46.0	56.3	56.6	46.9	38.2	32.6	27.0	32.6
60°	3.9	9.6	15.3	22.7	30.7	29.8	20.1	11.6	6.4	1.3	6.4
62.5°	0.8	2.4	4.0	10.0	17.6	17.4	9.5	3.2	1.7	0.3	1.7
65°	0.0	0.0	0.0	0.4	1.0	1.0	0.4	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	2.3	3.9	5.2	6.2	6.5	6.5	6.9	7.2	7.2	7.2
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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CATALOG NUMBER: SQ2W-BBM-K-125U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9
2.5°	2575.5	2568.2	2557.7	2557.0	2566.1	2573.8	2577.0	2580.2	2577.0	2573.8	2566.1
5°	2585.3	2574.0	2558.6	2555.7	2565.4	2573.4	2576.3	2579.1	2576.3	2573.4	2565.4
7.5°	2585.6	2576.8	2564.1	2561.2	2568.1	2573.7	2575.7	2577.6	2575.7	2573.7	2568.1
10°	2583.6	2574.4	2561.3	2560.4	2571.9	2580.6	2581.1	2581.7	2581.1	2580.6	2571.9
12.5°	2573.7	2567.2	2556.8	2560.5	2578.4	2590.8	2587.3	2583.8	2587.3	2590.8	2578.4
15°	2541.3	2541.9	2540.2	2552.7	2579.6	2597.3	2587.6	2577.8	2587.6	2597.3	2579.6
17.5°	2482.7	2490.0	2496.3	2517.3	2553.1	2576.5	2562.8	2549.1	2562.8	2576.5	2553.1
20°	2431.6	2442.1	2452.9	2478.0	2517.5	2543.0	2527.0	2511.0	2527.0	2543.0	2517.5
22.5°	2373.5	2385.5	2399.1	2424.7	2462.3	2486.8	2472.2	2457.6	2472.2	2486.8	2462.3
25°	2277.4	2286.1	2296.4	2319.8	2356.4	2381.4	2371.7	2362.0	2371.7	2381.4	2356.4
27.5°	2140.9	2151.8	2164.6	2184.7	2212.1	2232.0	2229.3	2226.5	2229.3	2232.0	2212.1
30°	2042.1	2054.8	2068.5	2085.7	2106.2	2121.6	2121.6	2121.6	2121.6	2121.6	2106.2
32.5°	1927.0	1940.7	1955.8	1970.6	1985.3	1996.6	1997.9	1999.3	1997.9	1996.6	1985.3
35°	1731.4	1744.7	1759.5	1773.3	1785.8	1793.7	1787.4	1781.1	1787.4	1793.7	1785.8
37.5°	1491.2	1505.0	1521.0	1533.7	1543.2	1549.7	1547.3	1544.9	1547.3	1549.7	1543.2
40°	1314.5	1325.8	1337.2	1348.3	1359.2	1367.2	1366.6	1366.0	1366.6	1367.2	1359.2
42.5°	1117.7	1132.5	1150.8	1165.1	1175.5	1180.4	1168.9	1157.3	1168.9	1180.4	1175.5
45°	823.2	853.3	873.8	880.1	872.1	853.4	802.6	751.8	802.6	853.4	872.1
47.5°	456.8	516.3	574.9	585.6	548.2	504.4	441.1	377.8	441.1	504.4	548.2
50°	244.0	314.8	402.2	413.1	347.4	288.7	251.0	213.3	251.0	288.7	347.4
52.5°	159.9	211.7	276.7	280.5	223.0	175.7	159.1	142.4	159.1	175.7	223.0
55°	78.8	100.2	127.7	128.2	101.9	81.1	76.5	72.0	76.5	81.1	101.9
57.5°	38.2	46.9	56.6	56.3	46.0	36.8	30.6	24.4	30.6	36.8	46.0
60°	11.6	20.1	29.8	30.7	22.7	15.3	9.6	3.9	9.6	15.3	22.7
62.5°	3.2	9.5	17.4	17.6	10.0	4.0	2.4	0.8	2.4	4.0	10.0
65°	0.0	0.4	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
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°	6.9	6.5	6.5	6.2	5.2	3.9	2.3	1.0	2.3	3.6	5.9
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1427549

CATALOG NUMBER: SQ2W-BBM-K-125U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1427549

CATALOG NUMBER: SQ2W-BBM-K-125U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9
2.5°	2557.0	2557.7	2568.2	2575.5	2573.2	2570.9	2573.2	2575.5	2568.2	2557.7	2557.0
5°	2555.7	2558.6	2574.0	2585.3	2584.1	2583.0	2584.1	2585.3	2574.0	2558.6	2555.7
7.5°	2561.2	2564.1	2576.8	2585.6	2582.8	2579.9	2582.8	2585.6	2576.8	2564.1	2561.2
10°	2560.4	2561.3	2574.4	2583.6	2580.7	2577.8	2580.7	2583.6	2574.4	2561.3	2560.4
12.5°	2560.5	2556.8	2567.2	2573.7	2568.6	2563.5	2568.6	2573.7	2567.2	2556.8	2560.5
15°	2552.7	2540.2	2541.9	2541.3	2533.9	2526.4	2533.9	2541.3	2541.9	2540.2	2552.7
17.5°	2517.3	2496.3	2490.0	2482.7	2472.2	2461.7	2472.2	2482.7	2490.0	2496.3	2517.3
20°	2478.0	2452.9	2442.1	2431.6	2422.5	2413.4	2422.5	2431.6	2442.1	2452.9	2478.0
22.5°	2424.7	2399.1	2385.5	2373.5	2366.2	2358.9	2366.2	2373.5	2385.5	2399.1	2424.7
25°	2319.8	2296.4	2286.1	2277.4	2273.4	2269.4	2273.4	2277.4	2286.1	2296.4	2319.8
27.5°	2184.7	2164.6	2151.8	2140.9	2135.8	2130.6	2135.8	2140.9	2151.8	2164.6	2184.7
30°	2085.7	2068.5	2054.8	2042.1	2032.4	2022.7	2032.4	2042.1	2054.8	2068.5	2085.7
32.5°	1970.6	1955.8	1940.7	1927.0	1917.3	1907.6	1917.3	1927.0	1940.7	1955.8	1970.6
35°	1773.3	1759.5	1744.7	1731.4	1722.8	1714.3	1722.8	1731.4	1744.7	1759.5	1773.3
37.5°	1533.7	1521.0	1505.0	1491.2	1484.0	1476.8	1484.0	1491.2	1505.0	1521.0	1533.7
40°	1348.3	1337.2	1325.8	1314.5	1303.6	1292.8	1303.6	1314.5	1325.8	1337.2	1348.3
42.5°	1165.1	1150.8	1132.5	1117.7	1113.2	1108.8	1113.2	1117.7	1132.5	1150.8	1165.1
45°	880.1	873.8	853.3	823.2	764.3	705.5	764.3	823.2	853.3	873.8	880.1
47.5°	585.6	574.9	516.3	456.8	394.6	332.3	394.6	456.8	516.3	574.9	585.6
50°	413.1	402.2	314.8	244.0	222.9	201.8	222.9	244.0	314.8	402.2	413.1
52.5°	280.5	276.7	211.7	159.9	148.0	136.0	148.0	159.9	211.7	276.7	280.5
55°	128.2	127.7	100.2	78.8	75.4	72.0	75.4	78.8	100.2	127.7	128.2
57.5°	56.3	56.6	46.9	38.2	32.6	27.0	32.6	38.2	46.9	56.6	56.3
60°	30.7	29.8	20.1	11.6	6.4	1.3	6.4	11.6	20.1	29.8	30.7
62.5°	17.6	17.4	9.5	3.2	1.7	0.3	1.7	3.2	9.5	17.4	17.6
65°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.0
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°	7.5	9.8	12.1	13.4	14.7	14.0	14.7	13.4	12.1	9.8	7.5
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1427549

CATALOG NUMBER: SQ2W-BBM-K-125U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1427549

CATALOG NUMBER: SQ2W-BBM-K-125U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2568.9	2568.9	2568.9	2568.9
2.5°	2566.1	2573.8	2577.0	2580.2
5°	2565.4	2573.4	2576.3	2579.1
7.5°	2568.1	2573.7	2575.7	2577.6
10°	2571.9	2580.6	2581.1	2581.7
12.5°	2578.4	2590.8	2587.3	2583.8
15°	2579.6	2597.3	2587.6	2577.8
17.5°	2553.1	2576.5	2562.8	2549.1
20°	2517.5	2543.0	2527.0	2511.0
22.5°	2462.3	2486.8	2472.2	2457.6
25°	2356.4	2381.4	2371.7	2362.0
27.5°	2212.1	2232.0	2229.3	2226.5
30°	2106.2	2121.6	2121.6	2121.6
32.5°	1985.3	1996.6	1997.9	1999.3
35°	1785.8	1793.7	1787.4	1781.1
37.5°	1543.2	1549.7	1547.3	1544.9
40°	1359.2	1367.2	1366.6	1366.0
42.5°	1175.5	1180.4	1168.9	1157.3
45°	872.1	853.4	802.6	751.8
47.5°	548.2	504.4	441.1	377.8
50°	347.4	288.7	251.0	213.3
52.5°	223.0	175.7	159.1	142.4
55°	101.9	81.1	76.5	72.0
57.5°	46.0	36.8	30.6	24.4
60°	22.7	15.3	9.6	3.9
62.5°	10.0	4.0	2.4	0.8
65°	0.4	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°	5.9	3.6	2.3	1.0
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4



TEST NUMBER: P1427549

CATALOG NUMBER: SQ2W-BBM-K-125U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1427549

CATALOG NUMBER: SQ2W-BBM-K-125U-100D-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	0.00	1.10	0.00	0.00	0.00	0.00	1.32
	3H	0.00	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00	1.08
	4H	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.95
	6H	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.80
	8H	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.72
	12H	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.65
4H	2H	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.95
	3H	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.69
	4H	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.55
	6H	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.40
	8H	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.31
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
8H	4H	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.31
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02