

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1428464

Luminaire Tested: SQ2W-PW1-K-125U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428464
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-125U-125D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

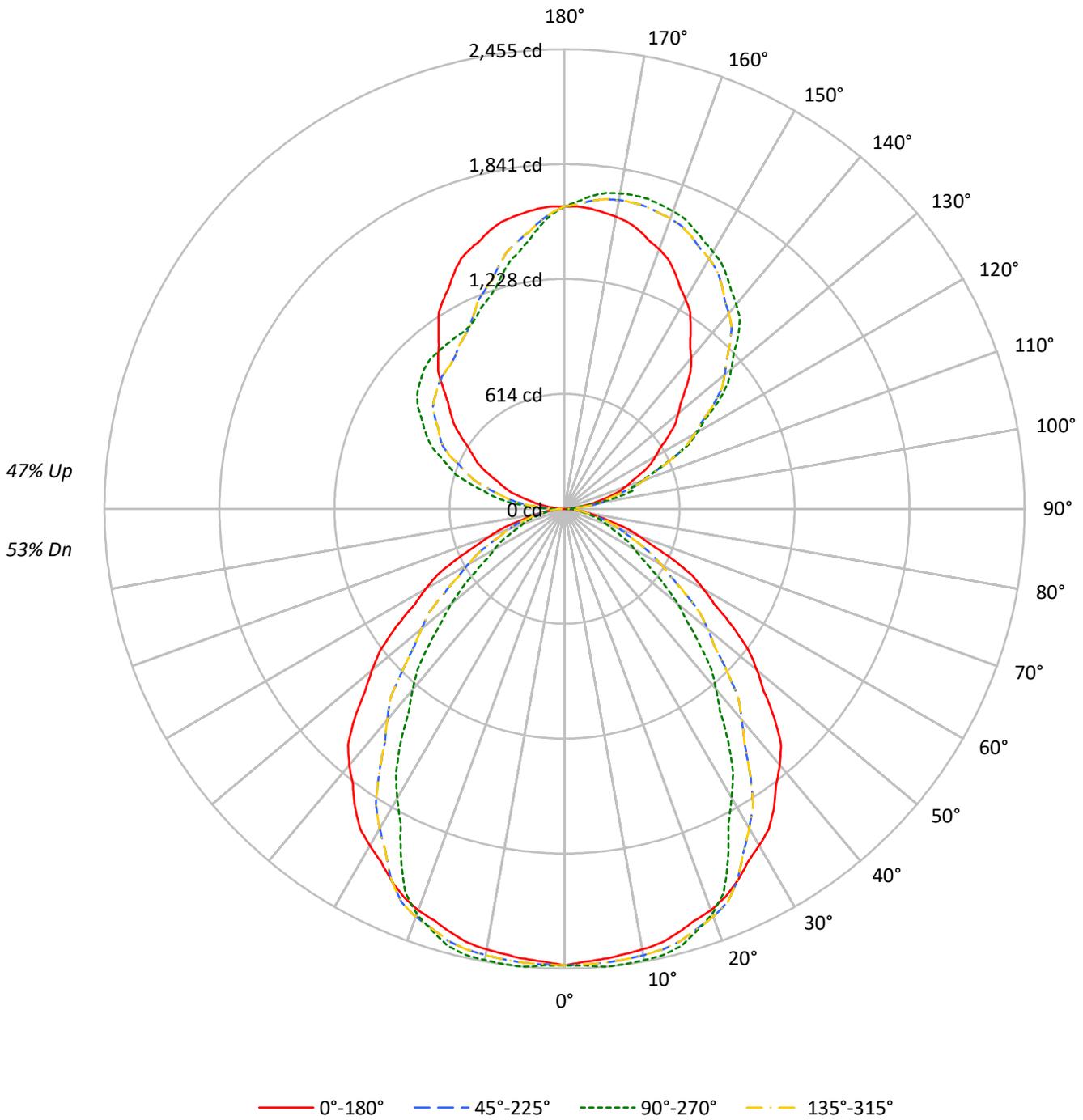
Lumens per Lamp: N/A
Luminaire Lumens: 10133.3 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.2
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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53				53
1	99	95	91	88	92	88	85	82	76	73	71	64	62	61	53	52	51	46				46
2	91	84	78	73	84	78	73	69	67	63	60	57	54	52	48	46	44	40				40
3	83	74	67	61	77	69	63	58	60	55	51	51	47	45	43	40	38	34				34
4	76	66	58	53	71	62	55	50	53	48	44	46	42	39	39	36	33	30				30
5	70	59	51	45	65	55	48	43	48	43	38	41	37	34	35	32	29	26				26
6	65	53	45	40	60	50	43	38	44	38	34	38	33	30	32	29	26	23				23
7	60	48	40	35	56	45	38	33	40	34	30	34	30	27	29	26	24	21				21
8	56	44	36	31	52	41	34	30	36	31	27	32	27	24	27	24	21	19				19
9	52	40	33	28	49	38	31	27	33	28	24	29	25	22	25	22	19	17				17
10	49	37	30	25	45	35	28	24	31	26	22	27	23	20	23	20	18	16				16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	39377	39377	39377	39377
5°	39115	39792	39115	39792
10°	39186	40137	39186	40137
15°	39175	40379	39175	40379
20°	39192	39590	39192	39590
25°	38980	36787	38980	36787
30°	38715	33258	38715	33258
35°	38411	30034	38411	30034
40°	37647	26535	37647	26535
45°	36172	23178	36172	23178
50°	33666	19838	33666	19838
55°	30795	16084	30795	16084
60°	27602	13875	27602	13875
65°	24137	12336	24137	12336
70°	19737	11183	19737	11183
75°	15358	10287	15358	10287
80°	11446	9075	11446	9075
85°	7743	5168	7743	5168

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 36172 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.2	2.3
10°-20°	672.9	6.6
20°-30°	990.3	9.8
30°-40°	1082.7	10.7
40°-50°	971.3	9.6
50°-60°	724.5	7.2
60°-70°	457.9	4.5
70°-80°	226.9	2.2
80°-90°	59.8	0.6
90°-100°	128.5	1.3
100°-110°	374.8	3.7
110°-120°	611.6	6.0
120°-130°	776.1	7.7
130°-140°	830.4	8.2
140°-150°	775.4	7.7
150°-160°	638.1	6.3
160°-170°	427.9	4.2
170°-180°	151.9	1.5
0°-30°	1895.4	18.7
0°-40°	2978.2	29.4
0°-60°	4674.0	46.1
0°-90°	5418.6	53.5
90°-120°	1114.9	11.0
90°-150°	3496.8	34.5
90°-180°	4715.0	46.5
0°-180°	10133.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2439	2439	2439	2439	2439	
5°	2413	2455	2413	2455	2413	230
15°	2344	2416	2344	2416	2344	662
25°	2188	2065	2188	2065	2188	1008
35°	1949	1524	1949	1524	1949	1215
45°	1584	1015	1584	1015	1584	1215
55°	1094	571	1094	571	1094	977
65°	632	323	632	323	632	626
75°	246	165	246	165	246	271
85°	42	28	42	28	42	53
90°	5	36	5	70	5	5
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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9
2.5°	2422.2	2436.3	2450.3	2447.0	2437.9	2433.8	2434.6	2435.8	2438.3	2440.8	2438.3
5°	2413.4	2430.9	2448.5	2445.9	2436.6	2432.5	2433.5	2436.6	2445.9	2455.2	2445.9
7.5°	2401.3	2419.1	2436.8	2436.0	2429.0	2427.2	2430.7	2435.6	2444.7	2453.8	2444.7
10°	2390.2	2408.7	2427.3	2427.3	2421.1	2420.6	2425.8	2431.7	2440.0	2448.2	2440.0
12.5°	2375.3	2394.7	2414.1	2415.6	2411.0	2411.7	2417.7	2424.3	2432.5	2440.8	2432.5
15°	2343.7	2364.4	2385.0	2389.4	2388.4	2391.5	2398.7	2405.4	2410.6	2415.7	2410.6
17.5°	2307.0	2327.7	2348.3	2352.4	2350.9	2351.1	2353.0	2355.0	2357.5	2360.0	2357.5
20°	2281.0	2301.6	2322.3	2325.1	2322.0	2316.9	2309.6	2304.2	2304.2	2304.2	2304.2
22.5°	2243.8	2266.1	2288.4	2288.6	2281.4	2267.9	2248.3	2232.0	2225.3	2218.7	2225.3
25°	2188.1	2209.8	2231.4	2221.4	2200.7	2170.3	2130.0	2095.9	2080.5	2065.0	2080.5
27.5°	2123.0	2140.6	2158.1	2131.9	2091.0	2042.0	1984.8	1936.5	1915.0	1893.5	1915.0
30°	2076.6	2090.0	2103.4	2061.9	2002.0	1940.6	1877.6	1825.2	1804.6	1783.9	1804.6
32.5°	2028.3	2033.4	2038.6	1983.8	1909.1	1839.0	1773.5	1718.9	1696.6	1674.3	1696.6
35°	1948.8	1939.5	1930.2	1857.5	1763.5	1683.5	1617.4	1563.0	1543.4	1523.8	1543.4
37.5°	1855.0	1827.3	1799.7	1717.6	1617.5	1532.8	1463.7	1406.4	1384.7	1363.0	1384.7
40°	1786.2	1747.0	1707.8	1619.8	1515.5	1428.8	1359.6	1302.3	1280.6	1259.0	1280.6
42.5°	1710.0	1660.9	1611.8	1521.3	1417.0	1330.3	1261.1	1203.6	1181.1	1158.6	1181.1
45°	1584.2	1526.3	1468.5	1374.3	1268.0	1181.3	1114.2	1058.4	1036.7	1015.1	1036.7
47.5°	1442.5	1385.1	1327.7	1233.7	1127.6	1042.0	977.0	923.5	905.0	886.4	905.0
50°	1340.3	1284.5	1228.8	1138.9	1037.8	954.7	889.6	835.2	812.5	789.8	812.5
52.5°	1236.2	1186.2	1136.3	1049.8	951.1	868.4	801.7	743.9	712.9	682.0	712.9
55°	1094.0	1046.6	999.1	917.5	824.6	741.0	666.6	606.5	589.0	571.4	589.0
57.5°	947.7	906.6	865.5	792.2	708.2	632.4	564.9	510.7	496.2	481.7	496.2
60°	854.8	818.7	782.5	712.3	630.8	561.6	504.8	458.6	444.2	429.7	444.2
62.5°	765.6	733.6	701.6	634.3	555.2	493.1	447.8	410.9	399.0	387.0	399.0
65°	631.8	608.1	584.3	528.8	462.8	411.1	374.0	343.5	333.2	322.9	333.2
67.5°	501.7	488.5	475.3	433.7	382.7	340.9	308.3	282.1	275.3	268.5	275.3
70°	418.1	414.0	409.8	375.5	331.1	295.5	268.7	247.2	242.1	236.9	242.1
72.5°	345.6	347.3	348.9	320.4	281.8	251.9	230.9	214.2	210.7	207.2	210.7
75°	246.2	254.5	262.7	243.9	216.0	194.9	180.4	169.0	167.0	164.9	167.0
77.5°	167.7	180.1	192.5	180.2	159.8	144.2	133.5	125.0	123.4	121.7	123.4
80°	123.1	135.5	147.9	139.4	123.9	112.0	103.8	97.6	97.6	97.6	97.6
82.5°	85.9	95.9	105.8	99.7	88.4	80.6	76.5	73.4	73.4	73.4	73.4
85°	41.8	47.0	52.1	50.3	46.2	41.0	34.8	29.9	28.9	27.9	28.9
87.5°	12.1	15.9	20.0	18.8	15.7	13.5	12.7	12.4	12.8	12.8	12.8
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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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°	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9
2.5°	2435.8	2434.6	2433.8	2437.9	2447.0	2450.3	2436.3	2422.2	2436.3	2450.3	2447.0
5°	2436.6	2433.5	2432.5	2436.6	2445.9	2448.5	2430.9	2413.4	2430.9	2448.5	2445.9
7.5°	2435.6	2430.7	2427.2	2429.0	2436.0	2436.8	2419.1	2401.3	2419.1	2436.8	2436.0
10°	2431.7	2425.8	2420.6	2421.1	2427.3	2427.3	2408.7	2390.2	2408.7	2427.3	2427.3
12.5°	2424.3	2417.7	2411.7	2411.0	2415.6	2414.1	2394.7	2375.3	2394.7	2414.1	2415.6
15°	2405.4	2398.7	2391.5	2388.4	2389.4	2385.0	2364.4	2343.7	2364.4	2385.0	2389.4
17.5°	2355.0	2353.0	2351.1	2350.9	2352.4	2348.3	2327.7	2307.0	2327.7	2348.3	2352.4
20°	2304.2	2309.6	2316.9	2322.0	2325.1	2322.3	2301.6	2281.0	2301.6	2322.3	2325.1
22.5°	2232.0	2248.3	2267.9	2281.4	2288.6	2288.4	2266.1	2243.8	2266.1	2288.4	2288.6
25°	2095.9	2130.0	2170.3	2200.7	2221.4	2231.4	2209.8	2188.1	2209.8	2231.4	2221.4
27.5°	1936.5	1984.8	2042.0	2091.0	2131.9	2158.1	2140.6	2123.0	2140.6	2158.1	2131.9
30°	1825.2	1877.6	1940.6	2002.0	2061.9	2103.4	2090.0	2076.6	2090.0	2103.4	2061.9
32.5°	1718.9	1773.5	1839.0	1909.1	1983.8	2038.6	2033.4	2028.3	2033.4	2038.6	1983.8
35°	1563.0	1617.4	1683.5	1763.5	1857.5	1930.2	1939.5	1948.8	1939.5	1930.2	1857.5
37.5°	1406.4	1463.7	1532.8	1617.5	1717.6	1799.7	1827.3	1855.0	1827.3	1799.7	1717.6
40°	1302.3	1359.6	1428.8	1515.5	1619.8	1707.8	1747.0	1786.2	1747.0	1707.8	1619.8
42.5°	1203.6	1261.1	1330.3	1417.0	1521.3	1611.8	1660.9	1710.0	1660.9	1611.8	1521.3
45°	1058.4	1114.2	1181.3	1268.0	1374.3	1468.5	1526.3	1584.2	1526.3	1468.5	1374.3
47.5°	923.5	977.0	1042.0	1127.6	1233.7	1327.7	1385.1	1442.5	1385.1	1327.7	1233.7
50°	835.2	889.6	954.7	1037.8	1138.9	1228.8	1284.5	1340.3	1284.5	1228.8	1138.9
52.5°	743.9	801.7	868.4	951.1	1049.8	1136.3	1186.2	1236.2	1186.2	1136.3	1049.8
55°	606.5	666.6	741.0	824.6	917.5	999.1	1046.6	1094.0	1046.6	999.1	917.5
57.5°	510.7	564.9	632.4	708.2	792.2	865.5	906.6	947.7	906.6	865.5	792.2
60°	458.6	504.8	561.6	630.8	712.3	782.5	818.7	854.8	818.7	782.5	712.3
62.5°	410.9	447.8	493.1	555.2	634.3	701.6	733.6	765.6	733.6	701.6	634.3
65°	343.5	374.0	411.1	462.8	528.8	584.3	608.1	631.8	608.1	584.3	528.8
67.5°	282.1	308.3	340.9	382.7	433.7	475.3	488.5	501.7	488.5	475.3	433.7
70°	247.2	268.7	295.5	331.1	375.5	409.8	414.0	418.1	414.0	409.8	375.5
72.5°	214.2	230.9	251.9	281.8	320.4	348.9	347.3	345.6	347.3	348.9	320.4
75°	169.0	180.4	194.9	216.0	243.9	262.7	254.5	246.2	254.5	262.7	243.9
77.5°	125.0	133.5	144.2	159.8	180.2	192.5	180.1	167.7	180.1	192.5	180.2
80°	97.6	103.8	112.0	123.9	139.4	147.9	135.5	123.1	135.5	147.9	139.4
82.5°	73.4	76.5	80.6	88.4	99.7	105.8	95.9	85.9	95.9	105.8	99.7
85°	29.9	34.8	41.0	46.2	50.3	52.1	47.0	41.8	47.0	52.1	50.3
87.5°	12.4	12.7	13.5	15.7	18.8	20.0	15.9	12.1	15.9	19.7	19.5
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: P1428464

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-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: P1428464

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9
2.5°	2437.9	2433.8	2434.6	2435.8	2438.3	2440.8	2438.3	2435.8	2434.6	2433.8	2437.9
5°	2436.6	2432.5	2433.5	2436.6	2445.9	2455.2	2445.9	2436.6	2433.5	2432.5	2436.6
7.5°	2429.0	2427.2	2430.7	2435.6	2444.7	2453.8	2444.7	2435.6	2430.7	2427.2	2429.0
10°	2421.1	2420.6	2425.8	2431.7	2440.0	2448.2	2440.0	2431.7	2425.8	2420.6	2421.1
12.5°	2411.0	2411.7	2417.7	2424.3	2432.5	2440.8	2432.5	2424.3	2417.7	2411.7	2411.0
15°	2388.4	2391.5	2398.7	2405.4	2410.6	2415.7	2410.6	2405.4	2398.7	2391.5	2388.4
17.5°	2350.9	2351.1	2353.0	2355.0	2357.5	2360.0	2357.5	2355.0	2353.0	2351.1	2350.9
20°	2322.0	2316.9	2309.6	2304.2	2304.2	2304.2	2304.2	2304.2	2309.6	2316.9	2322.0
22.5°	2281.4	2267.9	2248.3	2232.0	2225.3	2218.7	2225.3	2232.0	2248.3	2267.9	2281.4
25°	2200.7	2170.3	2130.0	2095.9	2080.5	2065.0	2080.5	2095.9	2130.0	2170.3	2200.7
27.5°	2091.0	2042.0	1984.8	1936.5	1915.0	1893.5	1915.0	1936.5	1984.8	2042.0	2091.0
30°	2002.0	1940.6	1877.6	1825.2	1804.6	1783.9	1804.6	1825.2	1877.6	1940.6	2002.0
32.5°	1909.1	1839.0	1773.5	1718.9	1696.6	1674.3	1696.6	1718.9	1773.5	1839.0	1909.1
35°	1763.5	1683.5	1617.4	1563.0	1543.4	1523.8	1543.4	1563.0	1617.4	1683.5	1763.5
37.5°	1617.5	1532.8	1463.7	1406.4	1384.7	1363.0	1384.7	1406.4	1463.7	1532.8	1617.5
40°	1515.5	1428.8	1359.6	1302.3	1280.6	1259.0	1280.6	1302.3	1359.6	1428.8	1515.5
42.5°	1417.0	1330.3	1261.1	1203.6	1181.1	1158.6	1181.1	1203.6	1261.1	1330.3	1417.0
45°	1268.0	1181.3	1114.2	1058.4	1036.7	1015.1	1036.7	1058.4	1114.2	1181.3	1268.0
47.5°	1127.6	1042.0	977.0	923.5	905.0	886.4	905.0	923.5	977.0	1042.0	1127.6
50°	1037.8	954.7	889.6	835.2	812.5	789.8	812.5	835.2	889.6	954.7	1037.8
52.5°	951.1	868.4	801.7	743.9	712.9	682.0	712.9	743.9	801.7	868.4	951.1
55°	824.6	741.0	666.6	606.5	589.0	571.4	589.0	606.5	666.6	741.0	824.6
57.5°	708.2	632.4	564.9	510.7	496.2	481.7	496.2	510.7	564.9	632.4	708.2
60°	630.8	561.6	504.8	458.6	444.2	429.7	444.2	458.6	504.8	561.6	630.8
62.5°	555.2	493.1	447.8	410.9	399.0	387.0	399.0	410.9	447.8	493.1	555.2
65°	462.8	411.1	374.0	343.5	333.2	322.9	333.2	343.5	374.0	411.1	462.8
67.5°	382.7	340.9	308.3	282.1	275.3	268.5	275.3	282.1	308.3	340.9	382.7
70°	331.1	295.5	268.7	247.2	242.1	236.9	242.1	247.2	268.7	295.5	331.1
72.5°	281.8	251.9	230.9	214.2	210.7	207.2	210.7	214.2	230.9	251.9	281.8
75°	216.0	194.9	180.4	169.0	167.0	164.9	167.0	169.0	180.4	194.9	216.0
77.5°	159.8	144.2	133.5	125.0	123.4	121.7	123.4	125.0	133.5	144.2	159.8
80°	123.9	112.0	103.8	97.6	97.6	97.6	97.6	97.6	103.8	112.0	123.9
82.5°	88.4	80.6	76.5	73.4	73.4	73.4	73.4	73.4	76.5	80.6	88.4
85°	46.2	41.0	34.8	29.9	28.9	27.9	28.9	29.9	34.8	41.0	46.2
87.5°	17.0	16.8	18.3	18.9	20.3	19.6	20.3	18.9	18.3	16.8	17.0
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: P1428464

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-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: P1428464

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2438.9	2438.9	2438.9	2438.9
2.5°	2447.0	2450.3	2436.3	2422.2
5°	2445.9	2448.5	2430.9	2413.4
7.5°	2436.0	2436.8	2419.1	2401.3
10°	2427.3	2427.3	2408.7	2390.2
12.5°	2415.6	2414.1	2394.7	2375.3
15°	2389.4	2385.0	2364.4	2343.7
17.5°	2352.4	2348.3	2327.7	2307.0
20°	2325.1	2322.3	2301.6	2281.0
22.5°	2288.6	2288.4	2266.1	2243.8
25°	2221.4	2231.4	2209.8	2188.1
27.5°	2131.9	2158.1	2140.6	2123.0
30°	2061.9	2103.4	2090.0	2076.6
32.5°	1983.8	2038.6	2033.4	2028.3
35°	1857.5	1930.2	1939.5	1948.8
37.5°	1717.6	1799.7	1827.3	1855.0
40°	1619.8	1707.8	1747.0	1786.2
42.5°	1521.3	1611.8	1660.9	1710.0
45°	1374.3	1468.5	1526.3	1584.2
47.5°	1233.7	1327.7	1385.1	1442.5
50°	1138.9	1228.8	1284.5	1340.3
52.5°	1049.8	1136.3	1186.2	1236.2
55°	917.5	999.1	1046.6	1094.0
57.5°	792.2	865.5	906.6	947.7
60°	712.3	782.5	818.7	854.8
62.5°	634.3	701.6	733.6	765.6
65°	528.8	584.3	608.1	631.8
67.5°	433.7	475.3	488.5	501.7
70°	375.5	409.8	414.0	418.1
72.5°	320.4	348.9	347.3	345.6
75°	243.9	262.7	254.5	246.2
77.5°	180.2	192.5	180.1	167.7
80°	139.4	147.9	135.5	123.1
82.5°	99.7	105.8	95.9	85.9
85°	50.3	52.1	47.0	41.8
87.5°	19.5	19.7	15.9	12.1
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: P1428464

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-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: P1428464
 CATALOG NUMBER: SQ2W-PW1-K-125U-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	20.00	20.85	20.93	21.79	23.02	16.24	17.10	17.18	18.04	19.27
	3H	21.30	22.06	22.24	23.01	24.26	17.51	18.28	18.46	19.23	20.48
	4H	21.70	22.42	22.67	23.38	24.64	18.02	18.74	18.98	19.70	20.96
	6H	21.88	22.55	22.86	23.51	24.78	18.33	18.99	19.30	19.95	21.22
	8H	21.93	22.56	22.91	23.54	24.81	18.44	19.07	19.42	20.05	21.32
	12H	21.93	22.53	22.91	23.50	24.79	18.47	19.07	19.45	20.05	21.34
4H	2H	20.13	20.85	21.09	21.81	23.06	17.05	17.77	18.02	18.73	19.99
	3H	21.66	22.26	22.64	23.25	24.52	18.50	19.10	19.47	20.09	21.36
	4H	22.21	22.76	23.20	23.74	25.03	19.08	19.62	20.06	20.61	21.90
	6H	22.52	22.99	23.52	24.00	25.29	19.46	19.93	20.46	20.94	22.23
	8H	22.61	23.05	23.61	24.05	25.36	19.61	20.05	20.61	21.05	22.36
	12H	22.63	23.03	23.65	24.04	25.36	19.65	20.05	20.67	21.06	22.38
8H	4H	22.25	22.69	23.25	23.69	24.99	19.42	19.86	20.42	20.86	22.16
	6H	22.67	23.03	23.69	24.07	25.38	19.91	20.27	20.93	21.32	22.62
	8H	22.84	23.16	23.87	24.19	25.51	20.13	20.45	21.16	21.48	22.80
	12H	22.92	23.20	23.95	24.22	25.59	20.21	20.49	21.25	21.52	22.89
12H	4H	22.21	22.60	23.22	23.62	24.93	19.44	19.83	20.45	20.85	22.16
	6H	22.66	22.98	23.69	24.01	25.34	19.99	20.30	21.02	21.33	22.66
	8H	22.85	23.13	23.89	24.16	25.52	20.23	20.51	21.26	21.53	22.90