

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: P1435999

Luminaire Tested: SQ2W-FB-K-100U-125D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435999
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-100U-125D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

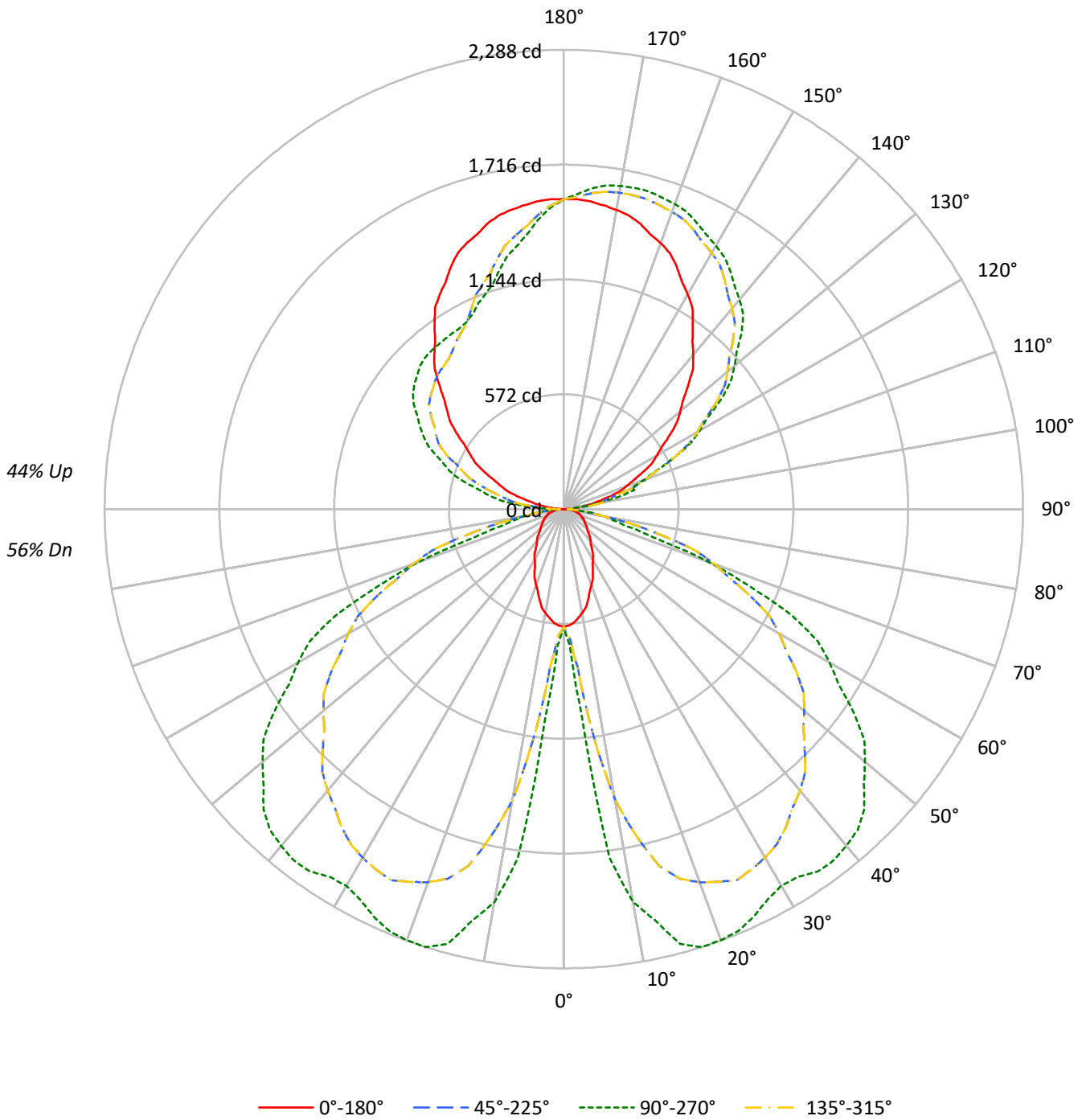
Lumens per Lamp: N/A
Luminaire Lumens: 10294.1 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.3
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	0
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	99	95	91	87	92	88	85	81	76	73	71	65	63	61	54	53	52	47
2	90	82	76	70	83	76	71	66	66	62	58	56	53	50	47	45	43	39
3	82	72	64	58	75	67	60	55	58	52	48	49	45	42	41	38	36	32
4	74	63	55	48	69	59	51	46	51	45	41	43	39	35	37	33	30	27
5	68	56	47	41	63	52	45	39	45	39	34	39	34	30	33	29	26	23
6	62	50	41	35	58	47	39	33	40	34	30	35	30	26	29	26	23	20
7	57	45	36	31	53	42	34	29	36	30	26	31	26	23	26	23	20	17
8	53	40	32	27	49	38	31	25	33	27	23	28	24	20	24	20	17	15
9	49	37	29	24	46	34	27	22	30	24	20	26	21	18	22	18	16	13
10	46	34	26	21	43	31	25	20	28	22	18	24	19	16	20	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9452	9452	9452	9452
5°	9214	16740	9214	16740
10°	8628	32576	8628	32576
15°	7809	37495	7809	37495
20°	6916	39267	6916	39267
25°	6118	39910	6118	39910
30°	5405	40404	5405	40404
35°	4827	43437	4827	43437
40°	4390	46151	4390	46151
45°	4048	48327	4048	48327
50°	3818	49204	3818	49204
55°	3724	49596	3724	49596
60°	3817	49350	3817	49350
65°	3977	47957	3977	47957
70°	4116	36273	4116	36273
75°	4566	20018	4566	20018
80°	4714	18577	4714	18577
85°	4687	7818	4687	7818

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 50042 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	1.0
10°-20°	447.5	4.3
20°-30°	787.5	7.7
30°-40°	1019.4	9.9
40°-50°	1124.3	10.9
50°-60°	1049.3	10.2
60°-70°	810.7	7.9
70°-80°	373.7	3.6
80°-90°	77.8	0.8
90°-100°	122.8	1.2
100°-110°	358.2	3.5
110°-120°	584.5	5.7
120°-130°	741.7	7.2
130°-140°	793.6	7.7
140°-150°	741.1	7.2
150°-160°	609.8	5.9
160°-170°	409.0	4.0
170°-180°	145.2	1.4
0°-30°	1333.1	13.0
0°-40°	2352.5	22.9
0°-60°	4526.1	44.0
0°-90°	5788.3	56.2
90°-120°	1065.5	10.4
90°-150°	3341.8	32.5
90°-180°	4506.0	43.8
0°-180°	10294.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	585	585	585	585	585	
5°	568	1033	568	1033	568	53
15°	467	2243	467	2243	467	130
25°	343	2240	343	2240	343	158
35°	245	2204	245	2204	245	154
45°	177	2116	177	2116	177	137
55°	132	1762	132	1762	132	119
65°	104	1255	104	1255	104	102
75°	73	321	73	321	73	75
85°	25	42	25	42	25	26
90°	5	34	5	67	5	5
95°	48	36	48	210	48	58
105°	228	365	228	502	228	242
115°	436	605	436	745	436	430
125°	645	959	645	913	645	577
135°	878	1255	878	1012	878	678
145°	1121	1446	1121	1034	1121	701
155°	1331	1571	1331	1072	1331	612
165°	1472	1638	1472	1235	1472	414
175°	1538	1604	1538	1448	1538	146
180°	1543	1543	1543	1543	1543	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4
2.5°	580.9	591.9	602.9	614.7	626.7	639.7	653.7	665.7	671.7	677.7	671.7
5°	568.5	606.1	643.6	698.0	758.0	826.2	902.5	967.9	1000.4	1032.9	1000.4
7.5°	546.6	622.9	699.2	860.9	1051.0	1248.4	1453.0	1622.8	1687.8	1752.9	1687.8
10°	526.3	632.6	739.0	1013.2	1343.5	1597.4	1775.0	1917.0	1952.0	1987.0	1952.0
12.5°	503.8	648.1	792.5	1131.1	1534.3	1798.3	1922.9	2025.3	2061.3	2097.4	2061.3
15°	467.2	673.6	880.0	1262.8	1704.3	1975.8	2077.1	2163.1	2203.1	2243.2	2203.1
17.5°	429.5	704.2	978.9	1369.4	1798.4	2063.1	2163.4	2244.1	2265.9	2287.6	2265.9
20°	402.5	725.2	1047.9	1439.2	1853.2	2103.4	2189.7	2257.9	2271.6	2285.4	2271.6
22.5°	377.7	738.5	1099.2	1490.9	1893.0	2126.6	2191.9	2244.6	2259.4	2274.1	2259.4
25°	343.4	749.9	1156.4	1547.0	1932.3	2145.6	2186.9	2220.3	2230.3	2240.3	2230.3
27.5°	310.2	739.7	1169.3	1554.9	1925.9	2125.0	2152.0	2174.7	2184.4	2194.2	2184.4
30°	289.9	726.5	1163.0	1545.2	1909.2	2101.2	2121.2	2139.7	2153.4	2167.2	2153.4
32.5°	271.9	710.4	1149.0	1526.4	1883.4	2071.4	2090.4	2112.1	2141.9	2171.7	2141.9
35°	244.9	676.4	1108.0	1481.4	1835.4	2027.4	2057.4	2093.7	2148.7	2203.8	2148.7
37.5°	221.8	632.8	1043.9	1413.4	1769.2	1978.5	2041.3	2101.6	2154.7	2207.7	2154.7
40°	208.3	602.3	996.3	1363.2	1720.9	1941.7	2025.5	2099.6	2144.7	2189.7	2144.7
42.5°	194.8	567.8	940.8	1304.6	1665.4	1894.7	1992.5	2077.1	2122.1	2167.2	2122.1
45°	177.3	512.6	847.8	1208.4	1577.4	1819.4	1934.5	2031.4	2074.0	2116.5	2074.0
47.5°	161.0	452.2	743.4	1105.5	1491.3	1745.2	1867.3	1966.7	1997.7	2028.7	1997.7
50°	152.0	412.2	672.4	1035.7	1433.5	1692.5	1812.5	1908.9	1933.9	1958.9	1933.9
52.5°	143.0	373.1	603.3	967.4	1376.2	1637.2	1750.2	1840.8	1863.8	1886.8	1863.8
55°	132.3	319.9	507.5	867.8	1285.6	1543.9	1642.7	1721.9	1741.9	1761.9	1741.9
57.5°	122.7	274.1	425.4	774.4	1189.2	1438.7	1523.0	1590.3	1606.6	1622.8	1606.6
60°	118.2	249.6	380.9	715.8	1118.6	1358.2	1434.5	1495.8	1512.0	1528.3	1512.0
62.5°	111.5	225.8	340.1	657.3	1042.1	1269.6	1339.9	1396.4	1411.7	1427.0	1411.7
65°	104.1	196.7	289.3	575.1	925.3	1129.9	1188.7	1235.3	1245.3	1255.3	1245.3
67.5°	94.0	172.6	251.1	499.9	805.3	976.3	1012.8	1035.6	1016.8	998.0	1016.8
70°	87.2	159.8	232.4	454.1	725.5	867.5	880.0	875.9	822.1	768.4	822.1
72.5°	82.7	147.3	211.8	403.8	638.2	741.7	714.1	668.0	566.2	464.4	566.2
75°	73.2	125.7	178.3	322.7	497.9	525.4	405.3	315.9	318.4	320.9	318.4
77.5°	59.7	98.9	138.2	227.0	332.4	353.3	289.7	242.6	244.9	247.1	244.9
80°	50.7	81.9	113.2	148.2	184.5	201.4	198.9	197.3	198.6	199.8	198.6
82.5°	41.7	64.9	88.2	109.2	129.5	140.9	143.4	144.8	143.0	141.3	143.0
85°	25.3	39.1	52.9	61.0	67.2	65.4	55.4	47.2	44.7	42.2	44.7
87.5°	9.9	16.2	22.8	22.3	19.2	17.5	17.5	17.8	18.1	18.1	18.1
90°	4.7	10.9	18.7	24.9	29.6	31.2	31.2	32.7	34.3	34.3	34.3
92.5°	17.1	27.1	27.4	27.4	33.4	36.2	38.7	39.0	40.5	40.5	40.5
95°	48.3	53.0	79.5	77.9	53.0	42.1	35.9	35.9	35.9	35.9	35.9
97.5°	92.3	99.1	103.5	138.7	146.5	141.5	115.3	97.0	86.7	82.0	86.7
100°	130.9	134.1	143.4	145.0	183.9	221.3	202.6	179.3	171.5	166.8	171.5
102.5°	169.6	171.5	185.8	192.4	201.4	222.6	287.4	280.3	275.0	274.0	275.0
105°	227.6	229.1	255.6	268.1	274.3	274.3	272.8	304.0	353.8	364.8	353.8
107.5°	289.6	296.8	328.0	361.3	368.5	370.4	362.3	357.6	355.7	357.0	355.7
110°	332.0	342.9	380.3	422.4	433.3	436.5	433.3	428.7	425.5	425.5	425.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	373.2	389.1	431.5	479.8	498.2	507.5	500.7	497.2	494.1	496.6	494.1
115°	436.5	459.8	516.0	565.8	603.2	607.9	606.4	606.4	604.8	604.8	604.8
117.5°	495.1	532.5	595.5	653.4	696.8	709.2	715.5	713.6	711.7	714.9	711.7
120°	536.2	579.9	651.6	717.0	759.1	777.8	784.1	780.9	784.1	780.9	784.1
122.5°	579.9	633.5	703.9	771.9	821.5	842.7	850.2	850.8	851.4	849.5	851.4
125°	645.3	710.8	793.4	863.6	915.0	939.9	946.2	947.7	950.9	958.6	950.9
127.5°	711.4	785.6	876.3	944.0	996.7	1026.9	1036.6	1040.0	1046.6	1050.0	1046.6
130°	757.6	841.7	933.7	997.6	1049.1	1081.8	1098.9	1103.6	1111.4	1109.8	1111.4
132.5°	806.2	894.1	987.3	1053.7	1101.4	1136.7	1151.3	1164.7	1167.5	1169.7	1167.5
135°	877.6	972.7	1066.2	1131.7	1176.9	1211.2	1229.9	1242.3	1250.1	1254.8	1250.1
137.5°	952.7	1053.1	1142.9	1201.2	1246.7	1276.3	1297.5	1310.6	1318.7	1322.5	1318.7
140°	1003.9	1100.5	1187.8	1248.6	1289.1	1318.7	1337.4	1353.0	1362.4	1362.4	1362.4
142.5°	1052.5	1147.9	1232.7	1293.5	1329.0	1356.1	1376.1	1387.9	1398.5	1398.5	1398.5
145°	1120.8	1215.8	1293.8	1354.6	1384.2	1409.1	1431.0	1440.3	1446.5	1446.5	1446.5
147.5°	1192.2	1276.3	1347.4	1405.7	1430.6	1459.9	1477.1	1484.6	1492.4	1488.9	1492.4
150°	1234.6	1312.5	1381.1	1435.6	1460.6	1488.6	1505.8	1512.0	1519.8	1515.1	1519.8
152.5°	1275.7	1349.9	1412.3	1463.1	1484.3	1512.3	1532.0	1538.2	1543.5	1540.1	1543.5
155°	1331.2	1396.7	1454.3	1501.1	1519.8	1546.3	1565.0	1572.8	1579.0	1571.2	1579.0
157.5°	1380.8	1437.2	1487.4	1530.4	1550.4	1573.1	1590.6	1600.2	1606.5	1603.0	1606.5
160°	1410.7	1462.1	1507.3	1547.9	1566.6	1586.8	1605.5	1616.5	1622.7	1618.0	1622.7
162.5°	1435.6	1482.1	1524.8	1561.6	1577.8	1595.6	1618.0	1627.7	1633.9	1628.0	1633.9
165°	1471.5	1508.9	1546.3	1577.5	1591.5	1605.5	1628.9	1639.8	1644.5	1638.3	1644.5
167.5°	1498.6	1527.3	1557.5	1584.3	1594.6	1608.3	1631.7	1640.8	1646.7	1638.9	1646.7
170°	1513.6	1538.5	1565.0	1586.8	1594.6	1607.1	1630.5	1638.3	1643.0	1635.2	1643.0
172.5°	1526.0	1544.7	1566.3	1585.6	1589.6	1599.6	1621.8	1629.5	1633.0	1626.4	1633.0
175°	1538.5	1549.4	1565.0	1577.5	1575.9	1582.2	1600.9	1607.1	1613.3	1604.0	1613.3
177.5°	1544.4	1549.4	1554.4	1561.9	1556.9	1556.9	1570.6	1574.4	1575.6	1570.6	1575.6
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4
2.5°	665.7	653.7	639.7	626.7	614.7	602.9	591.9	580.9	591.9	602.9	614.7
5°	967.9	902.5	826.2	758.0	698.0	643.6	606.1	568.5	606.1	643.6	698.0
7.5°	1622.8	1453.0	1248.4	1051.0	860.9	699.2	622.9	546.6	622.9	699.2	860.9
10°	1917.0	1775.0	1597.4	1343.5	1013.2	739.0	632.6	526.3	632.6	739.0	1013.2
12.5°	2025.3	1922.9	1798.3	1534.3	1131.1	792.5	648.1	503.8	648.1	792.5	1131.1
15°	2163.1	2077.1	1975.8	1704.3	1262.8	880.0	673.6	467.2	673.6	880.0	1262.8
17.5°	2244.1	2163.4	2063.1	1798.4	1369.4	978.9	704.2	429.5	704.2	978.9	1369.4
20°	2257.9	2189.7	2103.4	1853.2	1439.2	1047.9	725.2	402.5	725.2	1047.9	1439.2
22.5°	2244.6	2191.9	2126.6	1893.0	1490.9	1099.2	738.5	377.7	738.5	1099.2	1490.9
25°	2220.3	2186.9	2145.6	1932.3	1547.0	1156.4	749.9	343.4	749.9	1156.4	1547.0
27.5°	2174.7	2152.0	2125.0	1925.9	1554.9	1169.3	739.7	310.2	739.7	1169.3	1554.9
30°	2139.7	2121.2	2101.2	1909.2	1545.2	1163.0	726.5	289.9	726.5	1163.0	1545.2
32.5°	2112.1	2090.4	2071.4	1883.4	1526.4	1149.0	710.4	271.9	710.4	1149.0	1526.4
35°	2093.7	2057.4	2027.4	1835.4	1481.4	1108.0	676.4	244.9	676.4	1108.0	1481.4
37.5°	2101.6	2041.3	1978.5	1769.2	1413.4	1043.9	632.8	221.8	632.8	1043.9	1413.4
40°	2099.6	2025.5	1941.7	1720.9	1363.2	996.3	602.3	208.3	602.3	996.3	1363.2
42.5°	2077.1	1992.5	1894.7	1665.4	1304.6	940.8	567.8	194.8	567.8	940.8	1304.6
45°	2031.4	1934.5	1819.4	1577.4	1208.4	847.8	512.6	177.3	512.6	847.8	1208.4
47.5°	1966.7	1867.3	1745.2	1491.3	1105.5	743.4	452.2	161.0	452.2	743.4	1105.5
50°	1908.9	1812.5	1692.5	1433.5	1035.7	672.4	412.2	152.0	412.2	672.4	1035.7
52.5°	1840.8	1750.2	1637.2	1376.2	967.4	603.3	373.1	143.0	373.1	603.3	967.4
55°	1721.9	1642.7	1543.9	1285.6	867.8	507.5	319.9	132.3	319.9	507.5	867.8
57.5°	1590.3	1523.0	1438.7	1189.2	774.4	425.4	274.1	122.7	274.1	425.4	774.4
60°	1495.8	1434.5	1358.2	1118.6	715.8	380.9	249.6	118.2	249.6	380.9	715.8
62.5°	1396.4	1339.9	1269.6	1042.1	657.3	340.1	225.8	111.5	225.8	340.1	657.3
65°	1235.3	1188.7	1129.9	925.3	575.1	289.3	196.7	104.1	196.7	289.3	575.1
67.5°	1035.6	1012.8	976.3	805.3	499.9	251.1	172.6	94.0	172.6	251.1	499.9
70°	875.9	880.0	867.5	725.5	454.1	232.4	159.8	87.2	159.8	232.4	454.1
72.5°	668.0	714.1	741.7	638.2	403.8	211.8	147.3	82.7	147.3	211.8	403.8
75°	315.9	405.3	525.4	497.9	322.7	178.3	125.7	73.2	125.7	178.3	322.7
77.5°	242.6	289.7	353.3	332.4	227.0	138.2	98.9	59.7	98.9	138.2	227.0
80°	197.3	198.9	201.4	184.5	148.2	113.2	81.9	50.7	81.9	113.2	148.2
82.5°	144.8	143.4	140.9	129.5	109.2	88.2	64.9	41.7	64.9	88.2	109.2
85°	47.2	55.4	65.4	67.2	61.0	52.9	39.1	25.3	39.1	52.9	61.0
87.5°	17.8	17.5	17.5	19.2	22.3	22.8	16.2	9.9	16.2	22.4	22.9
90°	32.7	31.2	31.2	29.6	24.9	18.7	10.9	4.7	10.9	17.1	28.1
92.5°	39.0	38.7	36.2	33.4	27.4	27.4	27.1	17.1	29.6	42.1	60.5
95°	35.9	35.9	42.1	53.0	77.9	79.5	53.0	48.3	68.6	96.6	121.6
97.5°	97.0	115.3	141.5	146.5	138.7	103.5	99.1	92.3	125.6	153.4	193.6
100°	179.3	202.6	221.3	183.9	145.0	143.4	134.1	130.9	166.8	193.3	232.3
102.5°	280.3	287.4	222.6	201.4	192.4	185.8	171.5	169.6	205.4	241.9	274.7
105°	304.0	272.8	274.3	274.3	268.1	255.6	229.1	227.6	268.1	310.2	350.7
107.5°	357.6	362.3	370.4	368.5	361.3	328.0	296.8	289.6	326.1	376.6	421.2
110°	428.7	433.3	436.5	433.3	422.4	380.3	342.9	332.0	364.8	417.8	466.1



TEST NUMBER: P1435999

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	497.2	500.7	507.5	498.2	479.8	431.5	389.1	373.2	405.9	460.2	509.7
115°	606.4	606.4	607.9	603.2	565.8	516.0	459.8	436.5	464.5	514.4	569.0
117.5°	713.6	715.5	709.2	696.8	653.4	595.5	532.5	495.1	517.2	569.9	626.0
120°	780.9	784.1	777.8	759.1	717.0	651.6	579.9	536.2	553.4	604.8	660.9
122.5°	850.8	850.2	842.7	821.5	771.9	703.9	633.5	579.9	587.0	634.7	689.6
125°	947.7	946.2	939.9	915.0	863.6	793.4	710.8	645.3	636.0	676.5	732.6
127.5°	1040.0	1036.6	1026.9	996.7	944.0	876.3	785.6	711.4	690.5	716.1	767.5
130°	1103.6	1098.9	1081.8	1049.1	997.6	933.7	841.7	757.6	727.9	743.5	788.7
132.5°	1164.7	1151.3	1136.7	1101.4	1053.7	987.3	894.1	806.2	765.4	772.2	807.4
135°	1242.3	1229.9	1211.2	1176.9	1131.7	1066.2	972.7	877.6	821.5	815.2	835.5
137.5°	1310.6	1297.5	1276.3	1246.7	1201.2	1142.9	1053.1	952.7	882.0	861.1	868.9
140°	1353.0	1337.4	1318.7	1289.1	1248.6	1187.8	1100.5	1003.9	924.4	894.7	890.1
142.5°	1387.9	1376.1	1356.1	1329.0	1293.5	1232.7	1147.9	1052.5	968.0	929.7	918.7
145°	1440.3	1431.0	1409.1	1384.2	1354.6	1293.8	1215.8	1120.8	1036.6	986.7	963.3
147.5°	1484.6	1477.1	1459.9	1430.6	1405.7	1347.4	1276.3	1192.2	1105.8	1044.1	1013.8
150°	1512.0	1505.8	1488.6	1460.6	1435.6	1381.1	1312.5	1234.6	1151.9	1086.5	1047.5
152.5°	1538.2	1532.0	1512.3	1484.3	1463.1	1412.3	1349.9	1275.7	1191.8	1126.4	1086.2
155°	1572.8	1565.0	1546.3	1519.8	1501.1	1454.3	1396.7	1331.2	1259.5	1190.9	1145.7
157.5°	1600.2	1590.6	1573.1	1550.4	1530.4	1487.4	1437.2	1380.8	1318.1	1252.6	1206.5
160°	1616.5	1605.5	1586.8	1566.6	1547.9	1507.3	1462.1	1410.7	1353.0	1293.8	1243.9
162.5°	1627.7	1618.0	1595.6	1577.8	1561.6	1524.8	1482.1	1435.6	1384.2	1332.4	1286.3
165°	1639.8	1628.9	1605.5	1591.5	1577.5	1546.3	1508.9	1471.5	1427.8	1385.8	1348.3
167.5°	1640.8	1631.7	1608.3	1594.6	1584.3	1557.5	1527.3	1498.6	1464.6	1431.6	1400.4
170°	1638.3	1630.5	1607.1	1594.6	1586.8	1565.0	1538.5	1513.6	1487.1	1459.0	1434.1
172.5°	1629.5	1621.8	1599.6	1589.6	1585.6	1566.3	1544.7	1526.0	1503.3	1482.7	1462.8
175°	1607.1	1600.9	1582.2	1575.9	1577.5	1565.0	1549.4	1538.5	1524.5	1512.0	1501.1
177.5°	1574.4	1570.6	1556.9	1556.9	1561.9	1554.4	1549.4	1544.4	1538.2	1534.5	1530.7
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1435999

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4
2.5°	626.7	639.7	653.7	665.7	671.7	677.7	671.7	665.7	653.7	639.7	626.7
5°	758.0	826.2	902.5	967.9	1000.4	1032.9	1000.4	967.9	902.5	826.2	758.0
7.5°	1051.0	1248.4	1453.0	1622.8	1687.8	1752.9	1687.8	1622.8	1453.0	1248.4	1051.0
10°	1343.5	1597.4	1775.0	1917.0	1952.0	1987.0	1952.0	1917.0	1775.0	1597.4	1343.5
12.5°	1534.3	1798.3	1922.9	2025.3	2061.3	2097.4	2061.3	2025.3	1922.9	1798.3	1534.3
15°	1704.3	1975.8	2077.1	2163.1	2203.1	2243.2	2203.1	2163.1	2077.1	1975.8	1704.3
17.5°	1798.4	2063.1	2163.4	2244.1	2265.9	2287.6	2265.9	2244.1	2163.4	2063.1	1798.4
20°	1853.2	2103.4	2189.7	2257.9	2271.6	2285.4	2271.6	2257.9	2189.7	2103.4	1853.2
22.5°	1893.0	2126.6	2191.9	2244.6	2259.4	2274.1	2259.4	2244.6	2191.9	2126.6	1893.0
25°	1932.3	2145.6	2186.9	2220.3	2230.3	2240.3	2230.3	2220.3	2186.9	2145.6	1932.3
27.5°	1925.9	2125.0	2152.0	2174.7	2184.4	2194.2	2184.4	2174.7	2152.0	2125.0	1925.9
30°	1909.2	2101.2	2121.2	2139.7	2153.4	2167.2	2153.4	2139.7	2121.2	2101.2	1909.2
32.5°	1883.4	2071.4	2090.4	2112.1	2141.9	2171.7	2141.9	2112.1	2090.4	2071.4	1883.4
35°	1835.4	2027.4	2057.4	2093.7	2148.7	2203.8	2148.7	2093.7	2057.4	2027.4	1835.4
37.5°	1769.2	1978.5	2041.3	2101.6	2154.7	2207.7	2154.7	2101.6	2041.3	1978.5	1769.2
40°	1720.9	1941.7	2025.5	2099.6	2144.7	2189.7	2144.7	2099.6	2025.5	1941.7	1720.9
42.5°	1665.4	1894.7	1992.5	2077.1	2122.1	2167.2	2122.1	2077.1	1992.5	1894.7	1665.4
45°	1577.4	1819.4	1934.5	2031.4	2074.0	2116.5	2074.0	2031.4	1934.5	1819.4	1577.4
47.5°	1491.3	1745.2	1867.3	1966.7	1997.7	2028.7	1997.7	1966.7	1867.3	1745.2	1491.3
50°	1433.5	1692.5	1812.5	1908.9	1933.9	1958.9	1933.9	1908.9	1812.5	1692.5	1433.5
52.5°	1376.2	1637.2	1750.2	1840.8	1863.8	1886.8	1863.8	1840.8	1750.2	1637.2	1376.2
55°	1285.6	1543.9	1642.7	1721.9	1741.9	1761.9	1741.9	1721.9	1642.7	1543.9	1285.6
57.5°	1189.2	1438.7	1523.0	1590.3	1606.6	1622.8	1606.6	1590.3	1523.0	1438.7	1189.2
60°	1118.6	1358.2	1434.5	1495.8	1512.0	1528.3	1512.0	1495.8	1434.5	1358.2	1118.6
62.5°	1042.1	1269.6	1339.9	1396.4	1411.7	1427.0	1411.7	1396.4	1339.9	1269.6	1042.1
65°	925.3	1129.9	1188.7	1235.3	1245.3	1255.3	1245.3	1235.3	1188.7	1129.9	925.3
67.5°	805.3	976.3	1012.8	1035.6	1016.8	998.0	1016.8	1035.6	1012.8	976.3	805.3
70°	725.5	867.5	880.0	875.9	822.1	768.4	822.1	875.9	880.0	867.5	725.5
72.5°	638.2	741.7	714.1	668.0	566.2	464.4	566.2	668.0	714.1	741.7	638.2
75°	497.9	525.4	405.3	315.9	318.4	320.9	318.4	315.9	405.3	525.4	497.9
77.5°	332.4	353.3	289.7	242.6	244.9	247.1	244.9	242.6	289.7	353.3	332.4
80°	184.5	201.4	198.9	197.3	198.6	199.8	198.6	197.3	198.9	201.4	184.5
82.5°	129.5	140.9	143.4	144.8	143.0	141.3	143.0	144.8	143.4	140.9	129.5
85°	67.2	65.4	55.4	47.2	44.7	42.2	44.7	47.2	55.4	65.4	67.2
87.5°	20.4	20.6	22.8	24.0	25.3	24.7	25.3	24.0	22.8	20.6	20.4
90°	35.9	46.8	57.7	63.9	70.1	67.0	70.1	63.9	57.7	46.8	35.9
92.5°	72.0	90.4	103.8	115.0	120.0	119.4	120.0	115.0	103.8	90.4	72.0
95°	145.0	166.8	188.6	204.2	213.6	210.4	213.6	204.2	188.6	166.8	145.0
97.5°	223.5	252.8	277.2	291.8	301.2	307.4	301.2	291.8	277.2	252.8	223.5
100°	275.9	304.0	332.0	349.2	364.8	371.0	364.8	349.2	332.0	304.0	275.9
102.5°	318.3	355.1	385.6	404.0	417.1	423.4	417.1	404.0	385.6	355.1	318.3
105°	388.1	427.1	459.8	483.2	497.2	501.9	497.2	483.2	459.8	427.1	388.1
107.5°	458.0	498.2	528.4	554.3	571.4	581.4	571.4	554.3	528.4	498.2	458.0
110°	512.8	545.6	578.3	601.7	618.8	625.1	618.8	601.7	578.3	545.6	512.8



TEST NUMBER: P1435999

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	559.0	595.5	628.2	651.6	671.2	679.9	671.2	651.6	628.2	595.5	559.0
115°	623.5	671.8	701.4	723.3	737.3	745.1	737.3	723.3	701.4	671.8	623.5
117.5°	677.1	727.6	760.1	776.9	783.4	789.1	783.4	776.9	760.1	727.6	677.1
120°	710.8	757.6	795.0	816.8	824.6	827.7	824.6	816.8	795.0	757.6	710.8
122.5°	742.0	786.2	822.4	849.2	862.0	865.1	862.0	849.2	822.4	786.2	742.0
125°	785.6	827.7	865.1	891.6	905.6	913.4	905.6	891.6	865.1	827.7	785.6
127.5°	823.7	869.2	903.5	927.5	941.2	947.4	941.2	927.5	903.5	869.2	823.7
130°	844.9	891.6	925.9	952.4	964.9	971.1	964.9	952.4	925.9	891.6	844.9
132.5°	861.1	910.3	945.9	969.9	983.6	989.8	983.6	969.9	945.9	910.3	861.1
135°	880.7	932.1	969.6	992.9	1005.4	1011.6	1005.4	992.9	969.6	932.1	880.7
137.5°	897.9	944.6	983.6	1008.2	1019.4	1023.5	1019.4	1008.2	983.6	944.6	897.9
140°	910.3	950.9	989.8	1013.2	1025.7	1027.2	1025.7	1013.2	989.8	950.9	910.3
142.5°	926.5	958.3	992.3	1015.7	1028.2	1031.0	1028.2	1015.7	992.3	958.3	926.5
145°	955.5	974.2	997.6	1019.4	1030.4	1033.5	1030.4	1019.4	997.6	974.2	955.5
147.5°	992.0	997.9	1010.1	1024.4	1035.0	1037.2	1035.0	1024.4	1010.1	997.9	992.0
150°	1019.4	1017.9	1022.6	1031.9	1041.3	1039.7	1041.3	1031.9	1022.6	1017.9	1019.4
152.5°	1050.6	1041.6	1041.3	1045.6	1050.0	1049.7	1050.0	1045.6	1041.3	1041.6	1050.6
155°	1103.6	1086.5	1077.1	1074.0	1074.0	1072.4	1074.0	1074.0	1077.1	1086.5	1103.6
157.5°	1161.9	1137.9	1123.9	1116.4	1114.2	1110.8	1114.2	1116.4	1123.9	1137.9	1161.9
160°	1201.8	1175.3	1161.3	1148.8	1144.1	1139.5	1144.1	1148.8	1161.3	1175.3	1201.8
162.5°	1239.2	1214.0	1198.7	1187.5	1182.8	1175.6	1182.8	1187.5	1198.7	1214.0	1239.2
165°	1300.0	1273.5	1256.4	1247.0	1240.8	1234.6	1240.8	1247.0	1256.4	1273.5	1300.0
167.5°	1360.8	1331.8	1320.6	1310.0	1304.1	1292.8	1304.1	1310.0	1320.6	1331.8	1360.8
170°	1398.2	1371.7	1365.5	1356.1	1345.2	1332.8	1345.2	1356.1	1365.5	1371.7	1398.2
172.5°	1430.6	1412.9	1406.6	1397.3	1393.9	1383.9	1393.9	1397.3	1406.6	1412.9	1430.6
175°	1477.7	1463.7	1463.7	1462.1	1457.5	1448.1	1457.5	1462.1	1463.7	1463.7	1477.7
177.5°	1517.0	1509.5	1514.5	1514.5	1513.3	1504.5	1513.3	1514.5	1514.5	1509.5	1517.0
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1435999

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	585.4	585.4	585.4	585.4
2.5°	614.7	602.9	591.9	580.9
5°	698.0	643.6	606.1	568.5
7.5°	860.9	699.2	622.9	546.6
10°	1013.2	739.0	632.6	526.3
12.5°	1131.1	792.5	648.1	503.8
15°	1262.8	880.0	673.6	467.2
17.5°	1369.4	978.9	704.2	429.5
20°	1439.2	1047.9	725.2	402.5
22.5°	1490.9	1099.2	738.5	377.7
25°	1547.0	1156.4	749.9	343.4
27.5°	1554.9	1169.3	739.7	310.2
30°	1545.2	1163.0	726.5	289.9
32.5°	1526.4	1149.0	710.4	271.9
35°	1481.4	1108.0	676.4	244.9
37.5°	1413.4	1043.9	632.8	221.8
40°	1363.2	996.3	602.3	208.3
42.5°	1304.6	940.8	567.8	194.8
45°	1208.4	847.8	512.6	177.3
47.5°	1105.5	743.4	452.2	161.0
50°	1035.7	672.4	412.2	152.0
52.5°	967.4	603.3	373.1	143.0
55°	867.8	507.5	319.9	132.3
57.5°	774.4	425.4	274.1	122.7
60°	715.8	380.9	249.6	118.2
62.5°	657.3	340.1	225.8	111.5
65°	575.1	289.3	196.7	104.1
67.5°	499.9	251.1	172.6	94.0
70°	454.1	232.4	159.8	87.2
72.5°	403.8	211.8	147.3	82.7
75°	322.7	178.3	125.7	73.2
77.5°	227.0	138.2	98.9	59.7
80°	148.2	113.2	81.9	50.7
82.5°	109.2	88.2	64.9	41.7
85°	61.0	52.9	39.1	25.3
87.5°	22.9	22.4	16.2	9.9
90°	28.1	17.1	10.9	4.7
92.5°	60.5	42.1	29.6	17.1
95°	121.6	96.6	68.6	48.3
97.5°	193.6	153.4	125.6	92.3
100°	232.3	193.3	166.8	130.9
102.5°	274.7	241.9	205.4	169.6
105°	350.7	310.2	268.1	227.6
107.5°	421.2	376.6	326.1	289.6
110°	466.1	417.8	364.8	332.0



TEST NUMBER: P1435999

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	509.7	460.2	405.9	373.2
115°	569.0	514.4	464.5	436.5
117.5°	626.0	569.9	517.2	495.1
120°	660.9	604.8	553.4	536.2
122.5°	689.6	634.7	587.0	579.9
125°	732.6	676.5	636.0	645.3
127.5°	767.5	716.1	690.5	711.4
130°	788.7	743.5	727.9	757.6
132.5°	807.4	772.2	765.4	806.2
135°	835.5	815.2	821.5	877.6
137.5°	868.9	861.1	882.0	952.7
140°	890.1	894.7	924.4	1003.9
142.5°	918.7	929.7	968.0	1052.5
145°	963.3	986.7	1036.6	1120.8
147.5°	1013.8	1044.1	1105.8	1192.2
150°	1047.5	1086.5	1151.9	1234.6
152.5°	1086.2	1126.4	1191.8	1275.7
155°	1145.7	1190.9	1259.5	1331.2
157.5°	1206.5	1252.6	1318.1	1380.8
160°	1243.9	1293.8	1353.0	1410.7
162.5°	1286.3	1332.4	1384.2	1435.6
165°	1348.3	1385.8	1427.8	1471.5
167.5°	1400.4	1431.6	1464.6	1498.6
170°	1434.1	1459.0	1487.1	1513.6
172.5°	1462.8	1482.7	1503.3	1526.0
175°	1501.1	1512.0	1524.5	1538.5
177.5°	1530.7	1534.5	1538.2	1544.4
180°	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1435999
 CATALOG NUMBER: SQ2W-FB-K-100U-125D-L840-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	14.53	15.48	15.42	16.40	17.58	24.13	25.08	25.02	26.00	27.17
	3H	15.48	16.33	16.38	17.26	18.46	25.74	26.59	26.65	27.52	28.72
	4H	15.88	16.68	16.80	17.62	18.83	25.92	26.73	26.84	27.66	28.87
	6H	16.14	16.88	17.07	17.82	19.05	26.00	26.75	26.94	27.69	28.91
	8H	16.23	16.94	17.17	17.90	19.12	26.02	26.73	26.96	27.69	28.91
	12H	16.28	16.96	17.23	17.91	19.16	26.00	26.68	26.95	27.63	28.88
4H	2H	19.26	20.07	20.19	21.00	22.21	24.50	25.31	25.43	26.25	27.46
	3H	20.40	21.07	21.34	22.04	23.26	26.40	27.07	27.34	28.04	29.26
	4H	20.68	21.30	21.63	22.26	23.51	26.63	27.24	27.58	28.20	29.45
	6H	20.82	21.35	21.79	22.34	23.59	26.76	27.29	27.73	28.28	29.53
	8H	20.87	21.36	21.83	22.34	23.60	26.81	27.30	27.78	28.28	29.55
	12H	20.87	21.32	21.86	22.31	23.58	26.80	27.24	27.78	28.24	29.51
8H	4H	21.88	22.38	22.85	23.36	24.62	26.72	27.22	27.69	28.20	29.46
	6H	22.15	22.56	23.14	23.57	24.84	26.93	27.33	27.92	28.35	29.62
	8H	22.25	22.61	23.25	23.61	24.89	27.02	27.38	28.02	28.38	29.67
	12H	22.29	22.61	23.30	23.61	24.94	27.03	27.34	28.03	28.34	29.67
12H	4H	21.91	22.36	22.90	23.35	24.62	26.68	27.13	27.67	28.12	29.39
	6H	22.26	22.62	23.26	23.62	24.90	26.91	27.27	27.91	28.28	29.56
	8H	22.40	22.71	23.40	23.71	25.04	27.01	27.33	28.02	28.33	29.66