

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: P1435785

Luminaire Tested: SQ2W-FA-K-050U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2024
Report Number: P1435785
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FA-K-050U-125D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

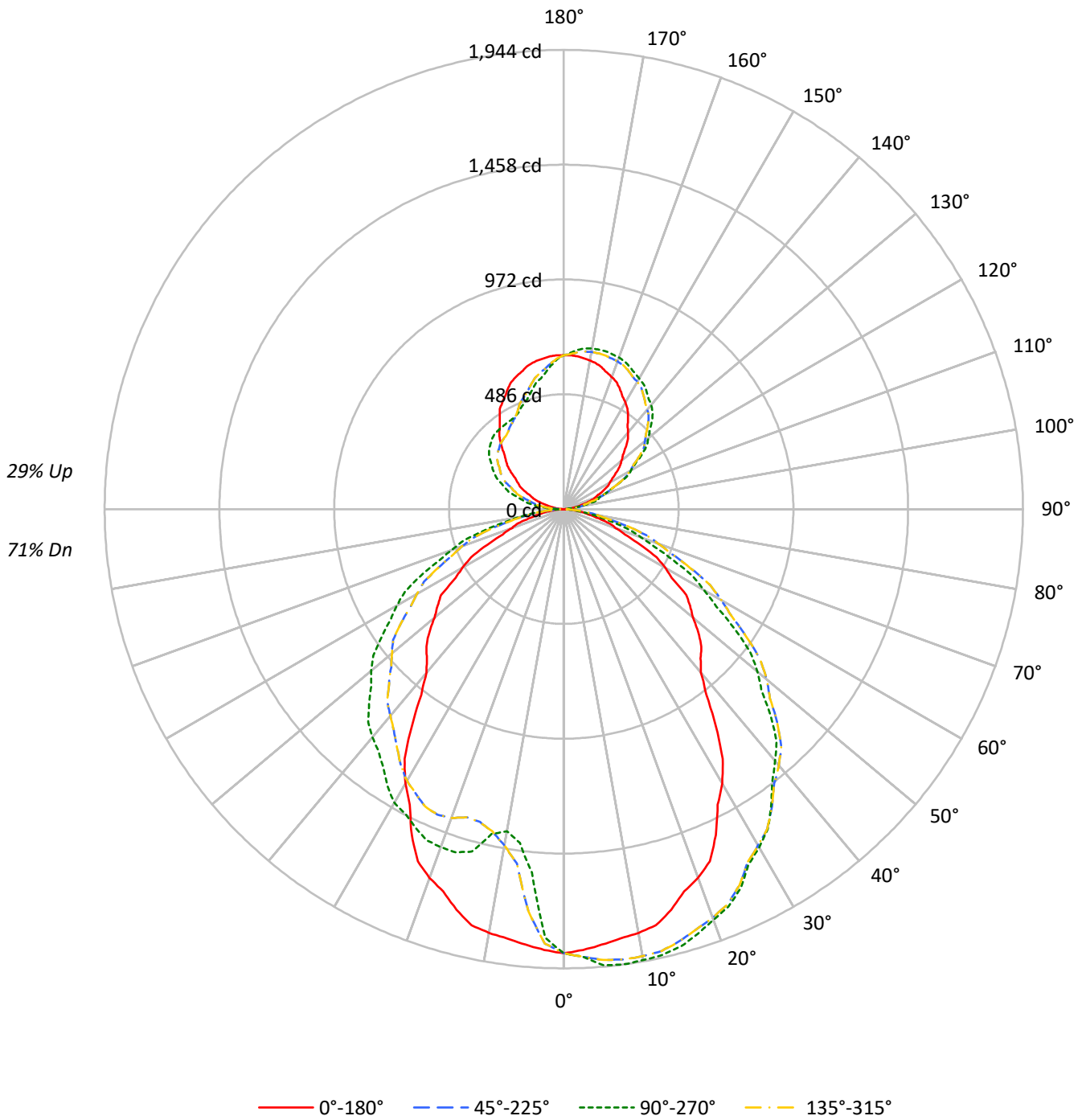
Lumens per Lamp: N/A
Luminaire Lumens: 6571.9 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (A_{in}): 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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	75	75	75	71	
1	103	98	94	91	97	93	90	87	84	81	79	75	73	71	67	66	64	64	64	64	60	
2	94	86	80	74	88	82	76	71	74	69	65	66	63	60	59	56	54	54	54	54	51	
3	85	76	68	62	81	72	65	60	65	59	55	58	54	50	52	49	46	46	46	46	43	
4	78	67	59	53	74	64	56	51	58	52	47	52	47	43	47	43	40	40	40	40	37	
5	72	60	51	45	68	57	49	44	52	45	41	47	42	38	42	38	35	35	35	35	32	
6	66	54	45	39	63	51	44	38	47	40	35	42	37	33	38	34	31	31	31	31	28	
7	61	49	40	35	58	47	39	34	42	36	31	39	33	29	35	31	27	27	27	27	25	
8	57	44	36	31	54	42	35	30	39	32	28	35	30	26	32	28	24	24	24	24	22	
9	53	41	33	28	50	39	32	27	36	29	25	33	27	24	30	25	22	22	22	22	20	
10	50	37	30	25	47	36	29	24	33	27	23	30	25	21	27	23	20	20	20	20	18	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30352	30352	30352	30352
5°	29996	31413	29996	25035
10°	29864	31776	29864	22697
15°	29352	32031	29352	25089
20°	28544	31800	28544	26166
25°	27130	31543	27130	26480
30°	24995	30836	24995	26761
35°	22117	30160	22117	26281
40°	19043	29332	19043	26569
45°	18801	28284	18801	26619
50°	17937	26904	17937	26721
55°	17844	24819	17844	26460
60°	16000	22116	16000	26353
65°	13639	19488	13639	25612
70°	11009	16513	11009	23735
75°	9544	13637	9544	21821
80°	8126	10163	8126	17610
85°	5391	5391	5391	10800

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 29172 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.1	2.6
10°-20°	472.6	7.2
20°-30°	717.8	10.9
30°-40°	842.7	12.8
40°-50°	855.2	13.0
50°-60°	749.0	11.4
60°-70°	531.3	8.1
70°-80°	273.5	4.2
80°-90°	60.0	0.9
90°-100°	51.8	0.8
100°-110°	151.1	2.3
110°-120°	246.5	3.8
120°-130°	312.9	4.8
130°-140°	334.8	5.1
140°-150°	312.6	4.8
150°-160°	257.2	3.9
160°-170°	172.5	2.6
170°-180°	61.3	0.9
0°-30°	1359.5	20.7
0°-40°	2202.2	33.5
0°-60°	3806.4	57.9
0°-90°	4671.3	71.1
90°-120°	449.4	6.8
90°-150°	1409.7	21.4
90°-180°	1901.0	28.9
0°-180°	6571.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1880	1880	1880	1880	1880	
5°	1851	1938	1851	1545	1851	176
15°	1756	1916	1756	1501	1756	493
25°	1523	1771	1523	1486	1523	695
35°	1122	1530	1122	1333	1122	699
45°	823	1239	823	1166	823	630
55°	634	882	634	940	634	548
65°	357	510	357	670	357	357
75°	153	219	153	350	153	165
85°	29	29	29	58	29	36
90°	2	14	2	28	2	2
95°	20	15	20	89	20	25
105°	96	154	96	212	96	102
115°	184	255	184	314	184	181
125°	272	404	272	385	272	244
135°	370	529	370	427	370	286
145°	473	610	473	436	473	296
155°	562	663	562	452	562	258
165°	621	691	621	521	621	175
175°	649	677	649	611	649	62
180°	651	651	651	651	651	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9
2.5°	1868.2	1881.2	1894.2	1897.4	1897.4	1897.4	1897.4	1897.4	1897.4	1897.4	1897.4
5°	1850.8	1873.4	1896.1	1906.6	1913.1	1918.0	1921.2	1925.2	1931.7	1938.2	1931.7
7.5°	1833.3	1863.7	1894.2	1909.1	1918.8	1926.5	1932.4	1937.6	1940.8	1944.0	1940.8
10°	1821.6	1857.2	1892.9	1909.1	1918.8	1925.2	1928.5	1931.7	1935.0	1938.2	1935.0
12.5°	1804.1	1842.3	1880.6	1899.3	1911.6	1919.4	1922.7	1925.9	1929.1	1932.4	1929.1
15°	1756.0	1807.9	1859.7	1879.9	1889.6	1897.7	1904.2	1909.9	1913.1	1916.3	1913.1
17.5°	1696.3	1759.1	1821.9	1847.4	1860.3	1869.7	1875.5	1880.6	1883.1	1885.7	1883.1
20°	1661.3	1729.3	1797.3	1824.0	1837.0	1845.1	1848.3	1850.8	1850.8	1850.8	1850.8
22.5°	1614.7	1690.5	1766.2	1794.9	1807.9	1814.7	1815.3	1816.4	1819.0	1821.6	1819.0
25°	1522.9	1610.3	1697.7	1734.2	1753.6	1761.7	1758.5	1757.7	1764.1	1770.6	1764.1
27.5°	1410.7	1520.8	1630.9	1668.1	1681.1	1689.2	1692.4	1694.8	1694.8	1694.8	1694.8
30°	1340.7	1463.8	1586.8	1627.3	1640.3	1648.4	1651.6	1654.0	1654.0	1654.0	1654.0
32.5°	1253.3	1399.6	1546.0	1590.4	1600.8	1606.3	1606.9	1607.4	1607.4	1607.4	1607.4
35°	1122.1	1300.2	1478.3	1527.7	1534.2	1537.4	1537.4	1536.6	1533.4	1530.2	1533.4
37.5°	991.0	1193.0	1395.1	1452.9	1462.6	1465.2	1460.7	1456.5	1453.2	1450.0	1453.2
40°	903.5	1123.7	1343.9	1406.3	1416.0	1416.0	1406.3	1398.2	1395.0	1391.7	1395.0
42.5°	856.9	1074.5	1292.1	1353.8	1363.5	1362.2	1349.9	1339.9	1336.7	1333.4	1336.7
45°	823.4	1017.7	1212.0	1267.8	1277.6	1275.9	1263.0	1251.7	1245.2	1238.7	1245.2
47.5°	772.4	943.4	1114.3	1169.2	1185.4	1183.8	1164.4	1148.2	1141.7	1135.2	1141.7
50°	714.1	882.5	1050.9	1105.1	1121.3	1119.7	1100.3	1084.1	1077.6	1071.1	1077.6
52.5°	673.3	831.3	989.3	1039.0	1052.7	1048.4	1026.4	1008.3	1001.8	995.3	1001.8
55°	633.9	766.7	899.5	940.0	949.7	943.2	920.5	901.1	891.4	881.7	891.4
57.5°	542.1	668.4	794.7	834.1	844.4	836.6	810.7	788.6	777.5	766.5	777.5
60°	495.5	608.8	722.2	760.2	773.2	766.7	740.8	717.3	701.1	684.9	701.1
62.5°	443.0	543.4	643.8	682.5	700.6	696.7	670.8	647.4	631.2	615.0	631.2
65°	357.0	444.5	531.9	570.8	593.4	591.8	565.9	542.4	526.2	510.1	526.2
67.5°	279.8	354.9	430.1	468.3	494.2	492.9	464.4	439.8	426.8	413.9	426.8
70°	233.2	297.9	362.7	398.3	424.2	424.2	398.3	375.7	362.7	349.8	362.7
72.5°	204.0	253.2	302.5	336.1	364.6	364.6	336.1	312.2	301.8	291.5	301.8
75°	153.0	182.2	211.3	242.9	275.3	278.5	252.6	231.5	225.1	218.6	225.1
77.5°	110.8	124.4	138.0	162.7	191.2	194.5	172.4	155.3	152.7	150.1	152.7
80°	87.4	90.7	93.9	114.2	140.1	143.3	123.9	109.3	109.3	109.3	109.3
82.5°	58.3	61.5	64.8	79.2	97.3	99.3	85.0	73.7	71.1	68.5	71.1
85°	29.1	29.1	29.1	34.0	40.5	40.5	34.0	29.1	29.1	29.1	29.1
87.5°	6.2	6.7	7.4	9.9	12.9	13.0	10.4	8.6	8.7	8.7	8.7
90°	2.0	4.6	7.9	10.5	12.5	13.2	13.2	13.8	14.5	14.5	14.5
92.5°	7.2	11.4	11.6	11.6	14.1	15.3	16.3	16.4	17.1	17.1	17.1
95°	20.4	22.4	33.5	32.9	22.4	17.8	15.1	15.1	15.1	15.1	15.1
97.5°	38.9	41.8	43.7	58.5	61.8	59.7	48.7	40.9	36.6	34.6	36.6
100°	55.2	56.5	60.5	61.1	77.6	93.4	85.5	75.6	72.3	70.4	72.3
102.5°	71.5	72.3	78.4	81.1	85.0	93.9	121.2	118.2	116.0	115.6	116.0
105°	96.0	96.7	107.8	113.1	115.7	115.7	115.1	128.2	149.3	153.9	149.3
107.5°	122.2	125.2	138.3	152.4	155.4	156.2	152.8	150.8	150.0	150.6	150.0
110°	140.1	144.7	160.4	178.2	182.8	184.1	182.8	180.8	179.5	179.5	179.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	157.4	164.1	182.0	202.4	210.1	214.1	211.2	209.8	208.4	209.5	208.4
115°	184.1	194.0	217.6	238.7	254.5	256.4	255.8	255.8	255.1	255.1	255.1
117.5°	208.8	224.6	251.2	275.6	293.9	299.2	301.8	301.0	300.2	301.5	300.2
120°	226.2	244.6	274.8	302.5	320.2	328.1	330.7	329.4	330.7	329.4	330.7
122.5°	244.6	267.2	296.9	325.6	346.5	355.5	358.6	358.9	359.1	358.4	359.1
125°	272.2	299.8	334.7	364.3	386.0	396.5	399.1	399.8	401.1	404.4	401.1
127.5°	300.1	331.4	369.7	398.2	420.4	433.2	437.3	438.7	441.5	442.9	441.5
130°	319.6	355.1	393.9	420.8	442.5	456.3	463.6	465.5	468.8	468.2	468.8
132.5°	340.1	377.2	416.5	444.5	464.6	479.5	485.6	491.3	492.5	493.4	492.5
135°	370.2	410.3	449.7	477.4	496.4	510.9	518.8	524.0	527.3	529.3	527.3
137.5°	401.9	444.2	482.1	506.7	525.9	538.4	547.3	552.8	556.3	557.8	556.3
140°	423.4	464.2	501.0	526.7	543.8	556.3	564.2	570.7	574.7	574.7	574.7
142.5°	444.0	484.2	520.0	545.6	560.6	572.0	580.5	585.5	589.9	589.9	589.9
145°	472.8	512.9	545.7	571.4	583.9	594.4	603.6	607.6	610.2	610.2	610.2
147.5°	502.9	538.4	568.4	593.0	603.5	615.8	623.1	626.2	629.5	628.1	629.5
150°	520.8	553.6	582.6	605.6	616.1	627.9	635.2	637.8	641.1	639.1	641.1
152.5°	538.1	569.4	595.7	617.2	626.1	637.9	646.2	648.8	651.1	649.6	651.1
155°	561.5	589.1	613.5	633.2	641.1	652.3	660.2	663.4	666.1	662.8	666.1
157.5°	582.4	606.2	627.4	645.6	654.0	663.6	670.9	675.0	677.6	676.2	677.6
160°	595.1	616.8	635.8	652.9	660.8	669.4	677.3	681.9	684.5	682.5	684.5
162.5°	605.6	625.2	643.2	658.7	665.5	673.0	682.5	686.6	689.2	686.7	689.2
165°	620.7	636.5	652.3	665.4	671.3	677.3	687.1	691.7	693.7	691.1	693.7
167.5°	632.1	644.2	657.0	668.3	672.6	678.4	688.3	692.1	694.6	691.3	694.6
170°	638.5	649.0	660.2	669.4	672.6	677.9	687.8	691.1	693.0	689.7	693.0
172.5°	643.7	651.6	660.7	668.8	670.5	674.8	684.1	687.4	688.8	686.1	688.8
175°	649.0	653.6	660.2	665.4	664.8	667.4	675.3	677.9	680.5	676.6	680.5
177.5°	651.5	653.6	655.7	658.8	656.7	656.7	662.5	664.1	664.6	662.5	664.6
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9
2.5°	1897.4	1897.4	1897.4	1897.4	1897.4	1894.2	1881.2	1868.2	1868.2	1868.2	1858.5
5°	1925.2	1921.2	1918.0	1913.1	1906.6	1896.1	1873.4	1850.8	1841.0	1831.3	1790.0
7.5°	1937.6	1932.4	1926.5	1918.8	1909.1	1894.2	1863.7	1833.3	1789.9	1746.5	1654.5
10°	1931.7	1928.5	1925.2	1918.8	1909.1	1892.9	1857.2	1821.6	1734.2	1646.7	1559.3
12.5°	1925.9	1922.7	1919.4	1911.6	1899.3	1880.6	1842.3	1804.1	1680.4	1556.7	1477.7
15°	1909.9	1904.2	1897.7	1889.6	1879.9	1859.7	1807.9	1756.0	1616.8	1477.5	1411.1
17.5°	1880.6	1875.5	1869.7	1860.3	1847.4	1821.9	1759.1	1696.3	1550.6	1404.8	1362.1
20°	1850.8	1848.3	1845.1	1837.0	1824.0	1797.3	1729.3	1661.3	1515.6	1369.9	1350.4
22.5°	1816.4	1815.3	1814.7	1807.9	1794.9	1766.2	1690.5	1614.7	1471.5	1328.4	1329.1
25°	1757.7	1758.5	1761.7	1753.6	1734.2	1697.7	1610.3	1522.9	1396.6	1270.3	1292.1
27.5°	1694.8	1692.4	1689.2	1681.1	1668.1	1630.9	1520.8	1410.7	1310.9	1211.2	1247.4
30°	1654.0	1651.6	1648.4	1640.3	1627.3	1586.8	1463.8	1340.7	1256.5	1172.3	1214.4
32.5°	1607.4	1606.9	1606.3	1600.8	1590.4	1546.0	1399.6	1253.3	1192.4	1131.5	1175.5
35°	1536.6	1537.4	1537.4	1534.2	1527.7	1478.3	1300.2	1122.1	1096.2	1070.3	1122.1
37.5°	1456.5	1460.7	1465.2	1462.6	1452.9	1395.1	1193.0	991.0	999.4	1007.8	1070.6
40°	1398.2	1406.3	1416.0	1416.0	1406.3	1343.9	1123.7	903.5	932.7	961.8	1029.8
42.5°	1339.9	1349.9	1362.2	1363.5	1353.8	1292.1	1074.5	856.9	888.6	920.4	991.0
45°	1251.7	1263.0	1275.9	1277.6	1267.8	1212.0	1017.7	823.4	842.8	862.2	930.2
47.5°	1148.2	1164.4	1183.8	1185.4	1169.2	1114.3	943.4	772.4	786.6	800.9	870.5
50°	1084.1	1100.3	1119.7	1121.3	1105.1	1050.9	882.5	714.1	733.5	752.9	825.8
52.5°	1008.3	1026.4	1048.4	1052.7	1039.0	989.3	831.3	673.3	684.9	696.6	775.3
55°	901.1	920.5	943.2	949.7	940.0	899.5	766.7	633.9	624.2	614.5	694.6
57.5°	788.6	810.7	836.6	844.4	834.1	794.7	668.4	542.1	533.7	525.3	612.1
60°	717.3	740.8	766.7	773.2	760.2	722.2	608.8	495.5	479.3	463.1	553.8
62.5°	647.4	670.8	696.7	700.6	682.5	643.8	543.4	443.0	432.0	421.0	509.1
65°	542.4	565.9	591.8	593.4	570.8	531.9	444.5	357.0	363.5	370.0	449.3
67.5°	439.8	464.4	492.9	494.2	468.3	430.1	354.9	279.8	301.2	322.5	394.0
70°	375.7	398.3	424.2	424.2	398.3	362.7	297.9	233.2	262.3	291.5	357.0
72.5°	312.2	336.1	364.6	364.6	336.1	302.5	253.2	204.0	233.2	262.3	316.2
75°	231.5	252.6	278.5	275.3	242.9	211.3	182.2	153.0	182.2	211.3	252.6
77.5°	155.3	172.4	194.5	191.2	162.7	138.0	124.4	110.8	134.7	158.7	187.5
80°	109.3	123.9	143.3	140.1	114.2	93.9	90.7	87.4	103.6	119.8	140.9
82.5°	73.7	85.0	99.3	97.3	79.2	64.8	61.5	58.3	71.9	85.5	100.1
85°	29.1	34.0	40.5	40.5	34.0	29.1	29.1	29.1	35.6	42.1	48.6
87.5°	8.6	10.4	13.0	12.9	9.9	7.4	6.7	6.2	9.3	12.5	14.0
90°	13.8	13.2	13.2	12.5	10.5	7.9	4.6	2.0	4.6	7.2	11.8
92.5°	16.4	16.3	15.3	14.1	11.6	11.6	11.4	7.2	12.5	17.8	25.5
95°	15.1	15.1	17.8	22.4	32.9	33.5	22.4	20.4	28.9	40.8	51.3
97.5°	40.9	48.7	59.7	61.8	58.5	43.7	41.8	38.9	53.0	64.7	81.7
100°	75.6	85.5	93.4	77.6	61.1	60.5	56.5	55.2	70.4	81.5	98.0
102.5°	118.2	121.2	93.9	85.0	81.1	78.4	72.3	71.5	86.7	102.0	115.9
105°	128.2	115.1	115.7	115.7	113.1	107.8	96.7	96.0	113.1	130.8	147.9
107.5°	150.8	152.8	156.2	155.4	152.4	138.3	125.2	122.2	137.6	158.9	177.7
110°	180.8	182.8	184.1	182.8	178.2	160.4	144.7	140.1	153.9	176.2	196.6



TEST NUMBER: P1435785

CATALOG NUMBER: SQ2W-FA-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	209.8	211.2	214.1	210.1	202.4	182.0	164.1	157.4	171.2	194.1	215.0
115°	255.8	255.8	256.4	254.5	238.7	217.6	194.0	184.1	195.9	217.0	240.0
117.5°	301.0	301.8	299.2	293.9	275.6	251.2	224.6	208.8	218.2	240.4	264.1
120°	329.4	330.7	328.1	320.2	302.5	274.8	244.6	226.2	233.4	255.1	278.8
122.5°	358.9	358.6	355.5	346.5	325.6	296.9	267.2	244.6	247.6	267.7	290.9
125°	399.8	399.1	396.5	386.0	364.3	334.7	299.8	272.2	268.3	285.4	309.0
127.5°	438.7	437.3	433.2	420.4	398.2	369.7	331.4	300.1	291.3	302.1	323.8
130°	465.5	463.6	456.3	442.5	420.8	393.9	355.1	319.6	307.1	313.6	332.7
132.5°	491.3	485.6	479.5	464.6	444.5	416.5	377.2	340.1	322.8	325.7	340.6
135°	524.0	518.8	510.9	496.4	477.4	449.7	410.3	370.2	346.5	343.9	352.4
137.5°	552.8	547.3	538.4	525.9	506.7	482.1	444.2	401.9	372.0	363.2	366.5
140°	570.7	564.2	556.3	543.8	526.7	501.0	464.2	423.4	389.9	377.4	375.4
142.5°	585.5	580.5	572.0	560.6	545.6	520.0	484.2	444.0	408.3	392.1	387.5
145°	607.6	603.6	594.4	583.9	571.4	545.7	512.9	472.8	437.3	416.2	406.4
147.5°	626.2	623.1	615.8	603.5	593.0	568.4	538.4	502.9	466.4	440.4	427.7
150°	637.8	635.2	627.9	616.1	605.6	582.6	553.6	520.8	485.9	458.3	441.9
152.5°	648.8	646.2	637.9	626.1	617.2	595.7	569.4	538.1	502.7	475.1	458.2
155°	663.4	660.2	652.3	641.1	633.2	613.5	589.1	561.5	531.3	502.3	483.3
157.5°	675.0	670.9	663.6	654.0	645.6	627.4	606.2	582.4	556.0	528.4	508.9
160°	681.9	677.3	669.4	660.8	652.9	635.8	616.8	595.1	570.7	545.7	524.7
162.5°	686.6	682.5	673.0	665.5	658.7	643.2	625.2	605.6	583.9	562.1	542.6
165°	691.7	687.1	677.3	671.3	665.4	652.3	636.5	620.7	602.3	584.5	568.8
167.5°	692.1	688.3	678.4	672.6	668.3	657.0	644.2	632.1	617.8	603.9	590.7
170°	691.1	687.8	677.9	672.6	669.4	660.2	649.0	638.5	627.3	615.4	604.9
172.5°	687.4	684.1	674.8	670.5	668.8	660.7	651.6	643.7	634.1	625.4	617.0
175°	677.9	675.3	667.4	664.8	665.4	660.2	653.6	649.0	643.1	637.8	633.2
177.5°	664.1	662.5	656.7	656.7	658.8	655.7	653.6	651.5	648.8	647.3	645.7
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1435785

CATALOG NUMBER: SQ2W-FA-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9
2.5°	1845.6	1835.2	1827.4	1821.0	1818.4	1815.8	1818.4	1821.0	1827.4	1835.2	1845.6
5°	1738.2	1683.2	1624.9	1577.1	1560.9	1544.7	1560.9	1577.1	1624.9	1683.2	1738.2
7.5°	1546.3	1480.0	1455.3	1435.6	1430.4	1425.2	1430.4	1435.6	1455.3	1480.0	1546.3
10°	1471.9	1418.4	1399.0	1384.4	1384.4	1384.4	1384.4	1384.4	1399.0	1418.4	1471.9
12.5°	1413.6	1380.9	1379.6	1381.8	1394.8	1407.7	1394.8	1381.8	1379.6	1380.9	1413.6
15°	1369.0	1373.9	1425.7	1468.6	1484.8	1501.0	1484.8	1468.6	1425.7	1373.9	1369.0
17.5°	1353.7	1381.5	1445.6	1497.0	1509.9	1522.9	1509.9	1497.0	1445.6	1381.5	1353.7
20°	1373.1	1408.7	1457.3	1497.0	1509.9	1522.9	1509.9	1497.0	1457.3	1408.7	1373.1
22.5°	1377.6	1421.0	1459.2	1491.1	1504.1	1517.0	1504.1	1491.1	1459.2	1421.0	1377.6
25°	1363.4	1415.2	1447.6	1473.5	1480.0	1486.4	1480.0	1473.5	1447.6	1415.2	1363.4
27.5°	1329.1	1386.0	1418.4	1443.9	1448.4	1452.9	1448.4	1443.9	1418.4	1386.0	1329.1
30°	1298.6	1356.9	1389.3	1416.0	1425.7	1435.4	1425.7	1416.0	1389.3	1356.9	1298.6
32.5°	1254.6	1314.2	1354.3	1384.9	1386.9	1388.8	1386.9	1384.9	1354.3	1314.2	1254.6
35°	1199.8	1261.4	1306.7	1339.9	1336.7	1333.4	1336.7	1339.9	1306.7	1261.4	1199.8
37.5°	1151.6	1211.8	1251.3	1281.9	1285.8	1289.7	1285.8	1281.9	1251.3	1211.8	1151.6
40°	1110.8	1172.3	1214.4	1247.6	1254.1	1260.6	1254.1	1247.6	1214.4	1172.3	1110.8
42.5°	1074.5	1137.3	1179.4	1212.6	1219.1	1225.6	1219.1	1212.6	1179.4	1137.3	1074.5
45°	1014.4	1079.2	1124.5	1159.4	1162.6	1165.8	1162.6	1159.4	1124.5	1079.2	1014.4
47.5°	958.6	1023.7	1065.8	1098.2	1101.4	1104.6	1101.4	1098.2	1065.8	1023.7	958.6
50°	916.5	982.9	1025.0	1057.3	1060.6	1063.8	1060.6	1057.3	1025.0	982.9	916.5
52.5°	876.3	945.3	982.2	1010.7	1014.0	1017.2	1014.0	1010.7	982.2	945.3	876.3
55°	804.7	877.6	913.2	940.0	940.0	940.0	940.0	940.0	913.2	877.6	804.7
57.5°	730.6	805.4	836.5	860.8	864.7	868.5	864.7	860.8	836.5	805.4	730.6
60°	680.1	756.2	782.1	803.1	809.6	816.1	809.6	803.1	782.1	756.2	680.1
62.5°	630.2	703.7	729.6	750.0	753.9	757.8	753.9	750.0	729.6	703.7	630.2
65°	553.0	617.7	643.6	663.9	667.1	670.4	667.1	663.9	643.6	617.7	553.0
67.5°	482.0	535.1	553.3	567.5	570.1	572.7	570.1	567.5	553.3	535.1	482.0
70°	434.8	480.1	493.1	502.8	502.8	502.8	502.8	502.8	493.1	480.1	434.8
72.5°	378.4	416.0	428.9	439.3	441.9	444.5	441.9	439.3	428.9	416.0	378.4
75°	297.9	325.5	335.2	343.3	346.5	349.8	346.5	343.3	335.2	325.5	297.9
77.5°	217.9	236.1	241.9	247.1	250.3	253.6	250.3	247.1	241.9	236.1	217.9
80°	163.5	176.5	179.7	183.0	186.2	189.4	186.2	183.0	179.7	176.5	163.5
82.5°	115.0	124.0	127.3	129.9	130.5	131.2	130.5	129.9	127.3	124.0	115.0
85°	55.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	55.1
87.5°	14.7	15.6	16.5	17.1	17.6	17.3	17.6	17.1	16.5	15.6	14.7
90°	15.1	19.7	24.3	27.0	29.6	28.3	29.6	27.0	24.3	19.7	15.1
92.5°	30.4	38.1	43.8	48.5	50.6	50.4	50.6	48.5	43.8	38.1	30.4
95°	61.1	70.4	79.6	86.1	90.1	88.8	90.1	86.1	79.6	70.4	61.1
97.5°	94.3	106.7	116.9	123.1	127.0	129.7	127.0	123.1	116.9	106.7	94.3
100°	116.4	128.2	140.1	147.3	153.9	156.5	153.9	147.3	140.1	128.2	116.4
102.5°	134.3	149.8	162.7	170.4	176.0	178.6	176.0	170.4	162.7	149.8	134.3
105°	163.7	180.2	194.0	203.8	209.8	211.7	209.8	203.8	194.0	180.2	163.7
107.5°	193.2	210.1	222.9	233.8	241.0	245.3	241.0	233.8	222.9	210.1	193.2
110°	216.3	230.1	243.9	253.8	261.0	263.7	261.0	253.8	243.9	230.1	216.3



TEST NUMBER: P1435785

CATALOG NUMBER: SQ2W-FA-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	235.8	251.2	265.0	274.8	283.1	286.8	283.1	274.8	265.0	251.2	235.8
115°	263.0	283.4	295.9	305.1	311.0	314.3	311.0	305.1	295.9	283.4	263.0
117.5°	285.6	306.9	320.6	327.7	330.5	332.8	330.5	327.7	320.6	306.9	285.6
120°	299.8	319.6	335.3	344.5	347.8	349.1	347.8	344.5	335.3	319.6	299.8
122.5°	313.0	331.7	346.9	358.2	363.6	364.9	363.6	358.2	346.9	331.7	313.0
125°	331.4	349.1	364.9	376.1	382.0	385.3	382.0	376.1	364.9	349.1	331.4
127.5°	347.4	366.6	381.1	391.2	397.0	399.6	397.0	391.2	381.1	366.6	347.4
130°	356.4	376.1	390.6	401.7	407.0	409.6	407.0	401.7	390.6	376.1	356.4
132.5°	363.2	384.0	399.0	409.1	414.9	417.5	414.9	409.1	399.0	384.0	363.2
135°	371.5	393.2	409.0	418.8	424.1	426.7	424.1	418.8	409.0	393.2	371.5
137.5°	378.7	398.5	414.9	425.3	430.0	431.7	430.0	425.3	414.9	398.5	378.7
140°	384.0	401.1	417.5	427.4	432.7	433.3	432.7	427.4	401.1	384.0	384.0
142.5°	390.8	404.2	418.6	428.4	433.7	434.9	433.7	428.4	418.6	404.2	390.8
145°	403.1	411.0	420.8	430.0	434.6	435.9	434.6	430.0	420.8	411.0	403.1
147.5°	418.4	420.9	426.1	432.1	436.6	437.5	436.6	432.1	426.1	420.9	418.4
150°	430.0	429.4	431.3	435.3	439.2	438.6	439.2	435.3	431.3	429.4	430.0
152.5°	443.2	439.4	439.2	441.1	442.9	442.8	442.9	441.1	439.2	439.4	443.2
155°	465.5	458.3	454.3	453.0	453.0	452.4	453.0	453.0	454.3	458.3	465.5
157.5°	490.1	480.0	474.1	470.9	470.0	468.6	470.0	470.9	474.1	480.0	490.1
160°	507.0	495.8	489.9	484.6	482.6	480.7	482.6	484.6	489.9	495.8	507.0
162.5°	522.7	512.1	505.6	500.9	498.9	495.9	498.9	500.9	505.6	512.1	522.7
165°	548.4	537.2	530.0	526.0	523.4	520.8	523.4	526.0	530.0	537.2	548.4
167.5°	574.0	561.8	557.1	552.6	550.1	545.4	550.1	552.6	557.1	561.8	574.0
170°	589.8	578.6	576.0	572.0	567.4	562.2	567.4	572.0	576.0	578.6	589.8
172.5°	603.5	596.0	593.4	589.4	588.0	583.8	588.0	589.4	593.4	596.0	603.5
175°	623.3	617.4	617.4	616.8	614.8	610.8	614.8	616.8	617.4	617.4	623.3
177.5°	639.9	636.7	638.9	638.9	638.3	634.6	638.3	638.9	638.9	636.7	639.9
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1435785

CATALOG NUMBER: SQ2W-FA-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1879.9	1879.9	1879.9	1879.9
2.5°	1858.5	1868.2	1868.2	1868.2
5°	1790.0	1831.3	1841.0	1850.8
7.5°	1654.5	1746.5	1789.9	1833.3
10°	1559.3	1646.7	1734.2	1821.6
12.5°	1477.7	1556.7	1680.4	1804.1
15°	1411.1	1477.5	1616.8	1756.0
17.5°	1362.1	1404.8	1550.6	1696.3
20°	1350.4	1369.9	1515.6	1661.3
22.5°	1329.1	1328.4	1471.5	1614.7
25°	1292.1	1270.3	1396.6	1522.9
27.5°	1247.4	1211.2	1310.9	1410.7
30°	1214.4	1172.3	1256.5	1340.7
32.5°	1175.5	1131.5	1192.4	1253.3
35°	1122.1	1070.3	1096.2	1122.1
37.5°	1070.6	1007.8	999.4	991.0
40°	1029.8	961.8	932.7	903.5
42.5°	991.0	920.4	888.6	856.9
45°	930.2	862.2	842.8	823.4
47.5°	870.5	800.9	786.6	772.4
50°	825.8	752.9	733.5	714.1
52.5°	775.3	696.6	684.9	673.3
55°	694.6	614.5	624.2	633.9
57.5°	612.1	525.3	533.7	542.1
60°	553.8	463.1	479.3	495.5
62.5°	509.1	421.0	432.0	443.0
65°	449.3	370.0	363.5	357.0
67.5°	394.0	322.5	301.2	279.8
70°	357.0	291.5	262.3	233.2
72.5°	316.2	262.3	233.2	204.0
75°	252.6	211.3	182.2	153.0
77.5°	187.5	158.7	134.7	110.8
80°	140.9	119.8	103.6	87.4
82.5°	100.1	85.5	71.9	58.3
85°	48.6	42.1	35.6	29.1
87.5°	14.0	12.5	9.3	6.2
90°	11.8	7.2	4.6	2.0
92.5°	25.5	17.8	12.5	7.2
95°	51.3	40.8	28.9	20.4
97.5°	81.7	64.7	53.0	38.9
100°	98.0	81.5	70.4	55.2
102.5°	115.9	102.0	86.7	71.5
105°	147.9	130.8	113.1	96.0
107.5°	177.7	158.9	137.6	122.2
110°	196.6	176.2	153.9	140.1

TEST NUMBER: P1435785

CATALOG NUMBER: SQ2W-FA-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	215.0	194.1	171.2	157.4
115°	240.0	217.0	195.9	184.1
117.5°	264.1	240.4	218.2	208.8
120°	278.8	255.1	233.4	226.2
122.5°	290.9	267.7	247.6	244.6
125°	309.0	285.4	268.3	272.2
127.5°	323.8	302.1	291.3	300.1
130°	332.7	313.6	307.1	319.6
132.5°	340.6	325.7	322.8	340.1
135°	352.4	343.9	346.5	370.2
137.5°	366.5	363.2	372.0	401.9
140°	375.4	377.4	389.9	423.4
142.5°	387.5	392.1	408.3	444.0
145°	406.4	416.2	437.3	472.8
147.5°	427.7	440.4	466.4	502.9
150°	441.9	458.3	485.9	520.8
152.5°	458.2	475.1	502.7	538.1
155°	483.3	502.3	531.3	561.5
157.5°	508.9	528.4	556.0	582.4
160°	524.7	545.7	570.7	595.1
162.5°	542.6	562.1	583.9	605.6
165°	568.8	584.5	602.3	620.7
167.5°	590.7	603.9	617.8	632.1
170°	604.9	615.4	627.3	638.5
172.5°	617.0	625.4	634.1	643.7
175°	633.2	637.8	643.1	649.0
177.5°	645.7	647.3	648.8	651.5
180°	650.9	650.9	650.9	650.9



TEST NUMBER: P1435785
 CATALOG NUMBER: SQ2W-FA-K-050U-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	19.99	21.08	20.74	21.85	22.78	21.19	22.27	21.94	23.05	23.98
	3H	21.09	22.07	21.86	22.85	23.82	22.45	23.42	23.21	24.21	25.17
	4H	21.46	22.38	22.24	23.17	24.15	22.85	23.77	23.63	24.56	25.54
	6H	21.63	22.48	22.43	23.28	24.27	23.02	23.87	23.82	24.67	25.66
	8H	21.67	22.48	22.48	23.30	24.29	23.05	23.86	23.86	24.68	25.67
	12H	21.68	22.45	22.49	23.26	24.28	23.04	23.81	23.86	24.63	25.65
4H	2H	20.88	21.80	21.67	22.60	23.57	21.80	22.72	22.59	23.51	24.49
	3H	22.29	23.06	23.09	23.89	24.88	23.28	24.05	24.08	24.88	25.87
	4H	22.76	23.45	23.57	24.28	25.30	23.77	24.46	24.58	25.29	26.31
	6H	23.00	23.60	23.83	24.45	25.48	24.00	24.61	24.84	25.46	26.48
	8H	23.06	23.63	23.90	24.47	25.51	24.06	24.62	24.89	25.47	26.51
	12H	23.08	23.58	23.93	24.45	25.49	24.06	24.56	24.91	25.43	26.47
8H	4H	23.16	23.72	24.00	24.57	25.61	23.98	24.54	24.82	25.39	26.43
	6H	23.52	23.98	24.38	24.87	25.91	24.31	24.77	25.17	25.66	26.70
	8H	23.64	24.05	24.51	24.94	25.99	24.40	24.82	25.28	25.70	26.76
	12H	23.69	24.05	24.56	24.93	26.04	24.43	24.79	25.31	25.67	26.78
12H	4H	23.17	23.68	24.03	24.55	25.59	23.96	24.47	24.82	25.33	26.38
	6H	23.59	24.00	24.47	24.89	25.95	24.33	24.74	25.20	25.62	26.68
	8H	23.75	24.11	24.63	24.99	26.10	24.45	24.81	25.33	25.69	26.80