

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: P1428268

Luminaire Tested: SQ2W-PR1-K-100U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428268
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-100U-100D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

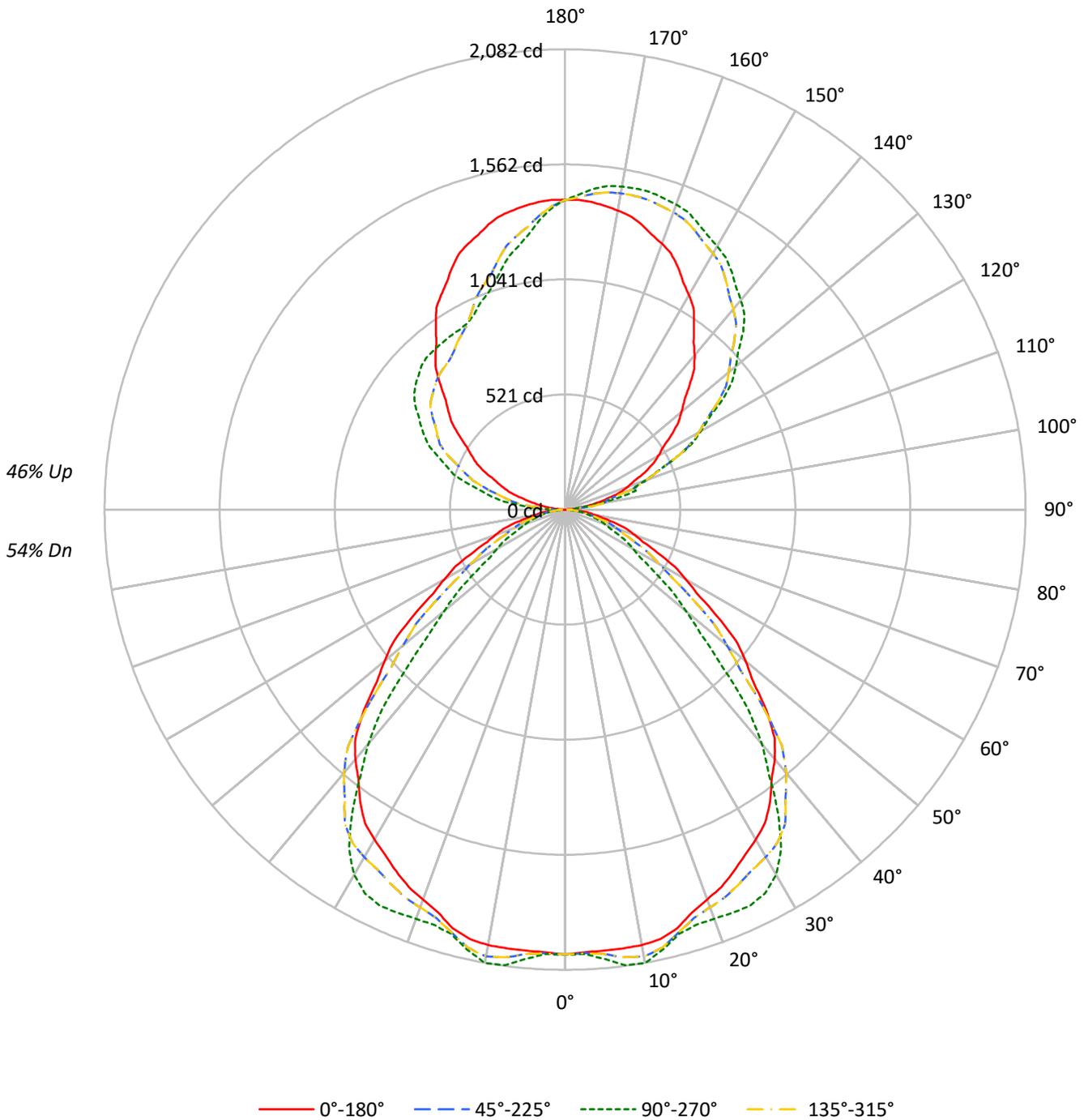
Lumens per Lamp: N/A
Luminaire Lumens: 8937.5 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54	54	54	54	
1	99	95	92	88	92	89	86	83	76	74	72	65	63	62	54	53	52	47	47	47	47	
2	91	84	78	73	84	78	73	69	68	64	60	58	55	52	48	47	45	40	40	40	40	
3	83	74	67	62	77	69	63	58	60	55	52	51	48	45	43	41	39	35	35	35	35	
4	77	66	59	53	71	62	55	50	54	49	44	46	42	39	39	36	34	31	31	31	31	
5	71	59	51	46	65	56	49	43	48	43	39	42	38	34	36	32	30	27	27	27	27	
6	65	53	45	40	60	50	43	38	44	38	34	38	34	30	32	29	27	24	24	24	24	
7	60	48	41	35	56	45	38	33	40	34	30	35	30	27	30	26	24	21	21	21	21	
8	56	44	36	31	52	41	35	30	36	31	27	32	27	24	27	24	21	19	19	19	19	
9	52	40	33	28	49	38	31	27	33	28	24	29	25	22	25	22	19	17	17	17	17	
10	49	37	30	25	45	35	28	24	31	26	22	27	23	20	23	20	18	16	16	16	16	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32495	32495	32495	32495
5°	32453	33051	32453	33051
10°	32794	34140	32794	34140
15°	32783	33230	32783	33230
20°	32254	33839	32254	33839
25°	32163	35234	32163	35234
30°	32130	35571	32130	35571
35°	31824	33119	31824	33119
40°	31090	29145	31090	29145
45°	29418	23048	29418	23048
50°	26746	17882	26746	17882
55°	23504	13917	23504	13917
60°	20337	11460	20337	11460
65°	17558	10032	17558	10032
70°	15786	8908	15786	8908
75°	14460	8191	14460	8191
80°	12589	8015	12589	8015
85°	9114	3798	9114	3798

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 31583 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.4	2.2
10°-20°	562.7	6.3
20°-30°	869.8	9.7
30°-40°	1046.0	11.7
40°-50°	939.3	10.5
50°-60°	629.4	7.0
60°-70°	366.1	4.1
70°-80°	188.1	2.1
80°-90°	52.2	0.6
90°-100°	111.5	1.2
100°-110°	325.1	3.6
110°-120°	530.5	5.9
120°-130°	673.2	7.5
130°-140°	720.3	8.1
140°-150°	672.6	7.5
150°-160°	553.5	6.2
160°-170°	371.2	4.2
170°-180°	131.8	1.5
0°-30°	1626.8	18.2
0°-40°	2672.8	29.9
0°-60°	4241.4	47.5
0°-90°	4847.8	54.2
90°-120°	967.1	10.8
90°-150°	3033.2	33.9
90°-180°	4090.0	45.8
0°-180°	8937.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2013	2013	2013	2013	2013	
5°	2002	2039	2002	2039	2002	191
15°	1961	1988	1961	1988	1961	551
25°	1805	1978	1805	1978	1805	833
35°	1615	1680	1615	1680	1615	1007
45°	1288	1009	1288	1009	1288	986
55°	835	494	835	494	835	750
65°	460	263	460	263	460	465
75°	232	131	232	131	232	246
85°	49	20	49	20	49	61
90°	4	31	4	61	4	5
95°	44	32	44	191	44	53
105°	207	331	207	456	207	220
115°	396	549	396	676	396	390
125°	586	870	586	829	586	524
135°	796	1139	796	918	796	616
145°	1017	1313	1017	938	1017	636
155°	1208	1426	1208	973	1208	555
165°	1336	1487	1336	1120	1336	376
175°	1396	1456	1396	1314	1396	132
180°	1401	1401	1401	1401	1401	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6
2.5°	2004.4	2015.4	2026.3	2021.4	2011.2	2006.4	2007.2	2008.3	2010.4	2012.6	2010.4
5°	2002.4	2017.9	2033.4	2029.7	2019.7	2015.6	2017.4	2021.1	2030.2	2039.3	2030.2
7.5°	2002.0	2024.0	2046.1	2047.8	2042.7	2042.8	2048.1	2055.0	2067.1	2079.1	2067.1
10°	2000.3	2026.8	2053.2	2057.1	2053.4	2052.1	2053.0	2056.9	2069.6	2082.4	2069.6
12.5°	1990.5	2021.3	2052.1	2048.9	2034.3	2026.4	2025.1	2025.8	2032.8	2039.7	2032.8
15°	1961.3	1997.8	2034.3	2019.5	1987.6	1973.0	1975.7	1978.9	1983.4	1988.0	1983.4
17.5°	1910.0	1948.2	1986.3	1973.0	1942.5	1932.2	1942.1	1951.7	1960.6	1969.5	1960.6
20°	1877.2	1914.6	1952.0	1942.9	1918.3	1912.3	1925.1	1938.5	1954.0	1969.5	1954.0
22.5°	1847.7	1885.1	1922.4	1916.6	1896.4	1895.2	1913.1	1931.8	1953.1	1974.5	1953.1
25°	1805.4	1838.2	1871.1	1871.8	1861.7	1871.8	1901.8	1930.3	1954.0	1977.8	1954.0
27.5°	1761.1	1780.4	1799.8	1812.5	1823.1	1848.7	1889.4	1924.0	1940.6	1957.2	1940.6
30°	1723.4	1736.1	1748.9	1772.6	1799.9	1831.4	1867.0	1895.2	1901.6	1908.0	1901.6
32.5°	1682.3	1690.0	1697.6	1731.0	1773.0	1803.3	1822.1	1834.1	1825.9	1817.7	1825.9
35°	1614.6	1621.0	1627.4	1670.0	1724.7	1744.8	1730.2	1714.9	1697.6	1680.3	1697.6
37.5°	1534.2	1547.3	1560.5	1595.2	1637.1	1636.8	1594.1	1557.1	1537.2	1517.4	1537.2
40°	1475.1	1497.0	1518.9	1542.1	1565.8	1545.8	1481.9	1428.4	1405.6	1382.8	1405.6
42.5°	1402.9	1437.9	1472.9	1478.1	1473.4	1430.3	1349.0	1281.0	1253.1	1225.2	1253.1
45°	1288.4	1335.8	1383.2	1356.1	1304.1	1233.9	1145.5	1071.4	1040.4	1009.4	1040.4
47.5°	1153.4	1202.1	1250.8	1199.6	1115.2	1033.5	954.5	888.1	859.1	830.1	859.1
50°	1064.8	1104.0	1143.2	1085.3	995.0	913.0	839.1	775.7	743.8	711.9	743.8
52.5°	974.5	1002.8	1031.0	973.7	887.8	807.9	734.1	671.4	642.4	613.4	642.4
55°	835.0	849.6	864.2	811.1	735.4	662.4	592.2	534.6	514.5	494.4	514.5
57.5°	707.0	716.3	725.6	675.3	605.0	540.1	480.5	432.1	417.3	402.5	417.3
60°	629.8	636.2	642.6	591.5	521.3	463.0	416.5	378.6	366.8	354.9	366.8
62.5°	559.3	564.2	569.1	519.9	452.6	400.4	363.4	333.4	324.5	315.5	324.5
65°	459.6	464.1	468.7	426.7	369.3	326.4	298.2	275.4	269.0	262.6	269.0
67.5°	380.4	382.7	385.1	350.6	303.7	269.1	246.9	228.7	222.7	216.6	222.7
70°	334.4	335.3	336.2	305.7	264.7	234.1	214.1	197.9	193.3	188.7	193.3
72.5°	293.4	292.1	290.8	263.6	227.6	201.5	185.1	172.0	168.9	165.8	168.9
75°	231.8	229.1	226.4	203.8	174.6	154.6	143.6	135.0	133.1	131.3	133.1
77.5°	173.2	170.2	167.3	148.5	124.5	110.6	107.0	104.2	104.2	104.2	104.2
80°	135.4	131.8	128.1	113.5	95.3	86.2	86.2	86.2	86.2	86.2	86.2
82.5°	100.9	95.8	90.7	81.8	71.6	66.5	66.5	66.3	65.6	64.8	65.6
85°	49.2	44.7	40.1	39.0	39.0	36.2	30.8	26.0	23.3	20.5	23.3
87.5°	14.0	15.1	16.5	14.9	12.1	10.6	10.6	10.9	11.1	11.1	11.1
90°	4.2	9.9	17.0	22.6	26.9	28.3	28.3	29.7	31.1	31.1	31.1
92.5°	15.6	24.6	24.9	24.9	30.3	32.8	35.1	35.4	36.8	36.8	36.8
95°	43.9	48.1	72.2	70.7	48.1	38.2	32.5	32.5	32.5	32.5	32.5
97.5°	83.8	90.0	93.9	125.9	133.0	128.5	104.7	88.0	78.7	74.4	78.7
100°	118.8	121.7	130.2	131.6	166.9	200.9	183.9	162.7	155.6	151.4	155.6
102.5°	153.9	155.6	168.6	174.6	182.8	202.0	260.9	254.4	249.6	248.7	249.6
105°	206.6	208.0	232.0	243.3	249.0	249.0	247.6	275.9	321.2	331.1	321.2
107.5°	262.9	269.4	297.7	328.0	334.5	336.2	328.8	324.6	322.9	324.0	322.9
110°	301.4	311.3	345.2	383.4	393.3	396.1	393.3	389.1	386.2	386.2	386.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	338.7	353.1	391.6	435.5	452.2	460.7	454.4	451.3	448.5	450.8	448.5
115°	396.1	417.4	468.3	513.6	547.5	551.8	550.4	550.4	548.9	548.9	548.9
117.5°	449.3	483.3	540.5	593.1	632.4	643.7	649.4	647.7	646.0	648.8	646.0
120°	486.7	526.3	591.4	650.8	689.0	706.0	711.6	708.8	711.6	708.8	711.6
122.5°	526.3	575.0	638.9	700.6	745.6	764.8	771.6	772.2	772.8	771.1	772.8
125°	585.7	645.2	720.1	783.8	830.5	853.1	858.8	860.2	863.0	870.1	863.0
127.5°	645.7	713.1	795.4	856.8	904.6	932.1	940.8	944.0	949.9	953.0	949.9
130°	687.6	764.0	847.5	905.5	952.2	981.9	997.4	1001.7	1008.8	1007.3	1008.8
132.5°	731.7	811.5	896.1	956.4	999.7	1031.7	1045.0	1057.1	1059.7	1061.7	1059.7
135°	796.5	882.8	967.7	1027.2	1068.2	1099.3	1116.3	1127.6	1134.7	1138.9	1134.7
137.5°	864.7	955.8	1037.3	1090.3	1131.6	1158.4	1177.7	1189.6	1196.9	1200.3	1196.9
140°	911.1	998.9	1078.1	1133.3	1170.0	1196.9	1213.9	1228.1	1236.5	1236.5	1236.5
142.5°	955.3	1041.9	1118.8	1174.0	1206.3	1230.9	1249.0	1259.7	1269.4	1269.4	1269.4
145°	1017.2	1103.6	1174.3	1229.5	1256.4	1279.0	1298.8	1307.3	1312.9	1312.9	1312.9
147.5°	1082.0	1158.4	1223.0	1275.9	1298.5	1325.1	1340.7	1347.5	1354.5	1351.4	1354.5
150°	1120.5	1191.3	1253.5	1303.0	1325.7	1351.1	1366.7	1372.4	1379.4	1375.2	1379.4
152.5°	1157.9	1225.2	1281.8	1327.9	1347.2	1372.6	1390.5	1396.1	1400.9	1397.8	1400.9
155°	1208.2	1267.7	1320.0	1362.5	1379.4	1403.5	1420.5	1427.5	1433.2	1426.1	1433.2
157.5°	1253.2	1304.5	1350.0	1389.1	1407.2	1427.8	1443.7	1452.4	1458.1	1455.0	1458.1
160°	1280.4	1327.1	1368.1	1404.9	1421.9	1440.3	1457.3	1467.2	1472.8	1468.6	1472.8
162.5°	1303.0	1345.2	1384.0	1417.4	1432.1	1448.2	1468.6	1477.3	1483.0	1477.6	1483.0
165°	1335.6	1369.5	1403.5	1431.8	1444.5	1457.3	1478.5	1488.4	1492.6	1487.0	1492.6
167.5°	1360.2	1386.2	1413.7	1438.0	1447.4	1459.8	1481.0	1489.2	1494.6	1487.5	1494.6
170°	1373.8	1396.4	1420.5	1440.3	1447.4	1458.7	1479.9	1487.0	1491.2	1484.1	1491.2
172.5°	1385.1	1402.1	1421.6	1439.1	1442.8	1451.9	1472.0	1479.0	1482.2	1476.2	1482.2
175°	1396.4	1406.3	1420.5	1431.8	1430.4	1436.0	1453.0	1458.7	1464.3	1455.8	1464.3
177.5°	1401.8	1406.3	1410.8	1417.6	1413.1	1413.1	1425.6	1429.0	1430.1	1425.6	1430.1
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6
2.5°	2008.3	2007.2	2006.4	2011.2	2021.4	2026.3	2015.4	2004.4	2015.4	2026.3	2021.4
5°	2021.1	2017.4	2015.6	2019.7	2029.7	2033.4	2017.9	2002.4	2017.9	2033.4	2029.7
7.5°	2055.0	2048.1	2042.8	2042.7	2047.8	2046.1	2024.0	2002.0	2024.0	2046.1	2047.8
10°	2056.9	2053.0	2052.1	2053.4	2057.1	2053.2	2026.8	2000.3	2026.8	2053.2	2057.1
12.5°	2025.8	2025.1	2026.4	2034.3	2048.9	2052.1	2021.3	1990.5	2021.3	2052.1	2048.9
15°	1978.9	1975.7	1973.0	1987.6	2019.5	2034.3	1997.8	1961.3	1997.8	2034.3	2019.5
17.5°	1951.7	1942.1	1932.2	1942.5	1973.0	1986.3	1948.2	1910.0	1948.2	1986.3	1973.0
20°	1938.5	1925.1	1912.3	1918.3	1942.9	1952.0	1914.6	1877.2	1914.6	1952.0	1942.9
22.5°	1931.8	1913.1	1895.2	1896.4	1916.6	1922.4	1885.1	1847.7	1885.1	1922.4	1916.6
25°	1930.3	1901.8	1871.8	1861.7	1871.8	1871.1	1838.2	1805.4	1838.2	1871.1	1871.8
27.5°	1924.0	1889.4	1848.7	1823.1	1812.5	1799.8	1780.4	1761.1	1780.4	1799.8	1812.5
30°	1895.2	1867.0	1831.4	1799.9	1772.6	1748.9	1736.1	1723.4	1736.1	1748.9	1772.6
32.5°	1834.1	1822.1	1803.3	1773.0	1731.0	1697.6	1690.0	1682.3	1690.0	1697.6	1731.0
35°	1714.9	1730.2	1744.8	1724.7	1670.0	1627.4	1621.0	1614.6	1621.0	1627.4	1670.0
37.5°	1557.1	1594.1	1636.8	1637.1	1595.2	1560.5	1547.3	1534.2	1547.3	1560.5	1595.2
40°	1428.4	1481.9	1545.8	1565.8	1542.1	1518.9	1497.0	1475.1	1497.0	1518.9	1542.1
42.5°	1281.0	1349.0	1430.3	1473.4	1478.1	1472.9	1437.9	1402.9	1437.9	1472.9	1478.1
45°	1071.4	1145.5	1233.9	1304.1	1356.1	1383.2	1335.8	1288.4	1335.8	1383.2	1356.1
47.5°	888.1	954.5	1033.5	1115.2	1199.6	1250.8	1202.1	1153.4	1202.1	1250.8	1199.6
50°	775.7	839.1	913.0	995.0	1085.3	1143.2	1104.0	1064.8	1104.0	1143.2	1085.3
52.5°	671.4	734.1	807.9	887.8	973.7	1031.0	1002.8	974.5	1002.8	1031.0	973.7
55°	534.6	592.2	662.4	735.4	811.1	864.2	849.6	835.0	849.6	864.2	811.1
57.5°	432.1	480.5	540.1	605.0	675.3	725.6	716.3	707.0	716.3	725.6	675.3
60°	378.6	416.5	463.0	521.3	591.5	642.6	636.2	629.8	636.2	642.6	591.5
62.5°	333.4	363.4	400.4	452.6	519.9	569.1	564.2	559.3	564.2	569.1	519.9
65°	275.4	298.2	326.4	369.3	426.7	468.7	464.1	459.6	464.1	468.7	426.7
67.5°	228.7	246.9	269.1	303.7	350.6	385.1	382.7	380.4	382.7	385.1	350.6
70°	197.9	214.1	234.1	264.7	305.7	336.2	335.3	334.4	335.3	336.2	305.7
72.5°	172.0	185.1	201.5	227.6	263.6	290.8	292.1	293.4	292.1	290.8	263.6
75°	135.0	143.6	154.6	174.6	203.8	226.4	229.1	231.8	229.1	226.4	203.8
77.5°	104.2	107.0	110.6	124.5	148.5	167.3	170.2	173.2	170.2	167.3	148.5
80°	86.2	86.2	86.2	95.3	113.5	128.1	131.8	135.4	131.8	128.1	113.5
82.5°	66.3	66.5	66.5	71.6	81.8	90.7	95.8	100.9	95.8	90.7	81.8
85°	26.0	30.8	36.2	39.0	39.0	40.1	44.7	49.2	44.7	40.1	39.0
87.5°	10.9	10.6	10.6	12.1	14.9	16.5	15.1	14.0	15.1	16.2	15.5
90°	29.7	28.3	28.3	26.9	22.6	17.0	9.9	4.2	9.9	15.6	25.5
92.5°	35.4	35.1	32.8	30.3	24.9	24.9	24.6	15.6	26.9	38.2	54.9
95°	32.5	32.5	38.2	48.1	70.7	72.2	48.1	43.9	62.3	87.7	110.4
97.5°	88.0	104.7	128.5	133.0	125.9	93.9	90.0	83.8	114.0	139.2	175.7
100°	162.7	183.9	200.9	166.9	131.6	130.2	121.7	118.8	151.4	175.4	210.8
102.5°	254.4	260.9	202.0	182.8	174.6	168.6	155.6	153.9	186.5	219.6	249.3
105°	275.9	247.6	249.0	249.0	243.3	232.0	208.0	206.6	243.3	281.5	318.3
107.5°	324.6	328.8	336.2	334.5	328.0	297.7	269.4	262.9	296.0	341.8	382.3
110°	389.1	393.3	396.1	393.3	383.4	345.2	311.3	301.4	331.1	379.2	423.0



TEST NUMBER: P1428268

CATALOG NUMBER: SQ2W-PR1-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	451.3	454.4	460.7	452.2	435.5	391.6	353.1	338.7	368.4	417.7	462.6
115°	550.4	550.4	551.8	547.5	513.6	468.3	417.4	396.1	421.6	466.9	516.4
117.5°	647.7	649.4	643.7	632.4	593.1	540.5	483.3	449.3	469.4	517.3	568.2
120°	708.8	711.6	706.0	689.0	650.8	591.4	526.3	486.7	502.3	548.9	599.9
122.5°	772.2	771.6	764.8	745.6	700.6	638.9	575.0	526.3	532.8	576.1	625.9
125°	860.2	858.8	853.1	830.5	783.8	720.1	645.2	585.7	577.2	614.0	665.0
127.5°	944.0	940.8	932.1	904.6	856.8	795.4	713.1	645.7	626.8	650.0	696.7
130°	1001.7	997.4	981.9	952.2	905.5	847.5	764.0	687.6	660.7	674.9	715.9
132.5°	1057.1	1045.0	1031.7	999.7	956.4	896.1	811.5	731.7	694.7	700.9	732.9
135°	1127.6	1116.3	1099.3	1068.2	1027.2	967.7	882.8	796.5	745.6	739.9	758.3
137.5°	1189.6	1177.7	1158.4	1131.6	1090.3	1037.3	955.8	864.7	800.5	781.5	788.6
140°	1228.1	1213.9	1196.9	1170.0	1133.3	1078.1	998.9	911.1	839.0	812.1	807.9
142.5°	1259.7	1249.0	1230.9	1206.3	1174.0	1118.8	1041.9	955.3	878.6	843.8	833.9
145°	1307.3	1298.8	1279.0	1256.4	1229.5	1174.3	1103.6	1017.2	940.8	895.6	874.4
147.5°	1347.5	1340.7	1325.1	1298.5	1275.9	1223.0	1158.4	1082.0	1003.7	947.6	920.2
150°	1372.4	1366.7	1351.1	1325.7	1303.0	1253.5	1191.3	1120.5	1045.5	986.1	950.8
152.5°	1396.1	1390.5	1372.6	1347.2	1327.9	1281.8	1225.2	1157.9	1081.8	1022.3	985.8
155°	1427.5	1420.5	1403.5	1379.4	1362.5	1320.0	1267.7	1208.2	1143.2	1080.9	1039.9
157.5°	1452.4	1443.7	1427.8	1407.2	1389.1	1350.0	1304.5	1253.2	1196.4	1136.9	1095.1
160°	1467.2	1457.3	1440.3	1421.9	1404.9	1368.1	1327.1	1280.4	1228.1	1174.3	1129.0
162.5°	1477.3	1468.6	1448.2	1432.1	1417.4	1384.0	1345.2	1303.0	1256.4	1209.4	1167.5
165°	1488.4	1478.5	1457.3	1444.5	1431.8	1403.5	1369.5	1335.6	1296.0	1257.8	1223.8
167.5°	1489.2	1481.0	1459.8	1447.4	1438.0	1413.7	1386.2	1360.2	1329.4	1299.4	1271.1
170°	1487.0	1479.9	1458.7	1447.4	1440.3	1420.5	1396.4	1373.8	1349.7	1324.3	1301.6
172.5°	1479.0	1472.0	1451.9	1442.8	1439.1	1421.6	1402.1	1385.1	1364.4	1345.8	1327.7
175°	1458.7	1453.0	1436.0	1430.4	1431.8	1420.5	1406.3	1396.4	1383.7	1372.4	1362.5
177.5°	1429.0	1425.6	1413.1	1413.1	1417.6	1410.8	1406.3	1401.8	1396.1	1392.7	1389.3
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428268

CATALOG NUMBER: SQ2W-PR1-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6
2.5°	2011.2	2006.4	2007.2	2008.3	2010.4	2012.6	2010.4	2008.3	2007.2	2006.4	2011.2
5°	2019.7	2015.6	2017.4	2021.1	2030.2	2039.3	2030.2	2021.1	2017.4	2015.6	2019.7
7.5°	2042.7	2042.8	2048.1	2055.0	2067.1	2079.1	2067.1	2055.0	2048.1	2042.8	2042.7
10°	2053.4	2052.1	2053.0	2056.9	2069.6	2082.4	2069.6	2056.9	2053.0	2052.1	2053.4
12.5°	2034.3	2026.4	2025.1	2025.8	2032.8	2039.7	2032.8	2025.8	2025.1	2026.4	2034.3
15°	1987.6	1973.0	1975.7	1978.9	1983.4	1988.0	1983.4	1978.9	1975.7	1973.0	1987.6
17.5°	1942.5	1932.2	1942.1	1951.7	1960.6	1969.5	1960.6	1951.7	1942.1	1932.2	1942.5
20°	1918.3	1912.3	1925.1	1938.5	1954.0	1969.5	1954.0	1938.5	1925.1	1912.3	1918.3
22.5°	1896.4	1895.2	1913.1	1931.8	1953.1	1974.5	1953.1	1931.8	1913.1	1895.2	1896.4
25°	1861.7	1871.8	1901.8	1930.3	1954.0	1977.8	1954.0	1930.3	1901.8	1871.8	1861.7
27.5°	1823.1	1848.7	1889.4	1924.0	1940.6	1957.2	1940.6	1924.0	1889.4	1848.7	1823.1
30°	1799.9	1831.4	1867.0	1895.2	1901.6	1908.0	1901.6	1895.2	1867.0	1831.4	1799.9
32.5°	1773.0	1803.3	1822.1	1834.1	1825.9	1817.7	1825.9	1834.1	1822.1	1803.3	1773.0
35°	1724.7	1744.8	1730.2	1714.9	1697.6	1680.3	1697.6	1714.9	1730.2	1744.8	1724.7
37.5°	1637.1	1636.8	1594.1	1557.1	1537.2	1517.4	1537.2	1557.1	1594.1	1636.8	1637.1
40°	1565.8	1545.8	1481.9	1428.4	1405.6	1382.8	1405.6	1428.4	1481.9	1545.8	1565.8
42.5°	1473.4	1430.3	1349.0	1281.0	1253.1	1225.2	1253.1	1281.0	1349.0	1430.3	1473.4
45°	1304.1	1233.9	1145.5	1071.4	1040.4	1009.4	1040.4	1071.4	1145.5	1233.9	1304.1
47.5°	1115.2	1033.5	954.5	888.1	859.1	830.1	859.1	888.1	954.5	1033.5	1115.2
50°	995.0	913.0	839.1	775.7	743.8	711.9	743.8	775.7	839.1	913.0	995.0
52.5°	887.8	807.9	734.1	671.4	642.4	613.4	642.4	671.4	734.1	807.9	887.8
55°	735.4	662.4	592.2	534.6	514.5	494.4	514.5	534.6	592.2	662.4	735.4
57.5°	605.0	540.1	480.5	432.1	417.3	402.5	417.3	432.1	480.5	540.1	605.0
60°	521.3	463.0	416.5	378.6	366.8	354.9	366.8	378.6	416.5	463.0	521.3
62.5°	452.6	400.4	363.4	333.4	324.5	315.5	324.5	333.4	363.4	400.4	452.6
65°	369.3	326.4	298.2	275.4	269.0	262.6	269.0	275.4	298.2	326.4	369.3
67.5°	303.7	269.1	246.9	228.7	222.7	216.6	222.7	228.7	246.9	269.1	303.7
70°	264.7	234.1	214.1	197.9	193.3	188.7	193.3	197.9	214.1	234.1	264.7
72.5°	227.6	201.5	185.1	172.0	168.9	165.8	168.9	172.0	185.1	201.5	227.6
75°	174.6	154.6	143.6	135.0	133.1	131.3	133.1	135.0	143.6	154.6	174.6
77.5°	124.5	110.6	107.0	104.2	104.2	104.2	104.2	104.2	107.0	110.6	124.5
80°	95.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	95.3
82.5°	71.6	66.5	66.5	66.3	65.6	64.8	65.6	66.3	66.5	66.5	71.6
85°	39.0	36.2	30.8	26.0	23.3	20.5	23.3	26.0	30.8	36.2	39.0
87.5°	13.3	13.4	15.4	16.5	17.7	17.1	17.7	16.5	15.4	13.4	13.3
90°	32.5	42.4	52.3	58.0	63.7	60.8	63.7	58.0	52.3	42.4	32.5
92.5°	65.4	82.1	94.2	104.4	108.9	108.4	108.9	104.4	94.2	82.1	65.4
95°	131.6	151.4	171.2	185.3	193.8	191.0	193.8	185.3	171.2	151.4	131.6
97.5°	202.9	229.5	251.6	264.9	273.3	279.0	273.3	264.9	251.6	229.5	202.9
100°	250.4	275.9	301.4	316.9	331.1	336.7	331.1	316.9	301.4	275.9	250.4
102.5°	288.9	322.3	350.0	366.7	378.6	384.3	378.6	366.7	350.0	322.3	288.9
105°	352.3	387.7	417.4	438.6	451.3	455.6	451.3	438.6	417.4	387.7	352.3
107.5°	415.7	452.2	479.6	503.1	518.7	527.7	518.7	503.1	479.6	452.2	415.7
110°	465.5	495.2	524.9	546.1	561.7	567.3	561.7	524.9	495.2	465.5	465.5



TEST NUMBER: P1428268

CATALOG NUMBER: SQ2W-PR1-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	507.4	540.5	570.2	591.4	609.2	617.1	609.2	591.4	570.2	540.5	507.4
115°	565.9	609.8	636.7	656.5	669.2	676.3	669.2	656.5	636.7	609.8	565.9
117.5°	614.6	660.4	689.9	705.1	711.1	716.2	711.1	705.1	689.9	660.4	614.6
120°	645.2	687.6	721.6	741.4	748.4	751.3	748.4	741.4	721.6	687.6	645.2
122.5°	673.4	713.6	746.5	770.8	782.4	785.2	782.4	770.8	746.5	713.6	673.4
125°	713.1	751.3	785.2	809.3	822.0	829.1	822.0	809.3	785.2	751.3	713.1
127.5°	747.6	788.9	820.0	841.8	854.3	859.9	854.3	841.8	820.0	788.9	747.6
130°	766.8	809.3	840.4	864.4	875.8	881.4	875.8	864.4	840.4	809.3	766.8
132.5°	781.5	826.2	858.5	880.3	892.7	898.4	892.7	880.3	858.5	826.2	781.5
135°	799.4	846.1	880.0	901.2	912.6	918.2	912.6	901.2	880.0	846.1	799.4
137.5°	814.9	857.4	892.7	915.1	925.3	929.0	925.3	915.1	892.7	857.4	814.9
140°	826.2	863.0	898.4	919.6	930.9	932.4	930.9	919.6	898.4	863.0	826.2
142.5°	841.0	869.8	900.7	921.9	933.2	935.8	933.2	921.9	900.7	869.8	841.0
145°	867.3	884.3	905.5	925.3	935.2	938.0	935.2	925.3	905.5	884.3	867.3
147.5°	900.4	905.8	916.8	929.8	939.4	941.4	939.4	929.8	916.8	905.8	900.4
150°	925.3	923.9	928.1	936.6	945.1	943.7	945.1	936.6	928.1	923.9	925.3
152.5°	953.6	945.4	945.1	949.1	953.0	952.7	953.0	949.1	945.1	945.4	953.6
155°	1001.7	986.1	977.6	974.8	974.8	973.4	974.8	974.8	977.6	986.1	1001.7
157.5°	1054.6	1032.8	1020.1	1013.3	1011.3	1008.2	1011.3	1013.3	1020.1	1032.8	1054.6
160°	1090.8	1066.8	1054.0	1042.7	1038.5	1034.2	1038.5	1042.7	1054.0	1066.8	1090.8
162.5°	1124.8	1101.9	1088.0	1077.8	1073.6	1067.1	1073.6	1077.8	1088.0	1101.9	1124.8
165°	1180.0	1155.9	1140.3	1131.8	1126.2	1120.5	1126.2	1131.8	1140.3	1155.9	1180.0
167.5°	1235.1	1208.8	1198.6	1189.0	1183.6	1173.4	1183.6	1189.0	1198.6	1208.8	1235.1
170°	1269.1	1245.0	1239.4	1230.9	1221.0	1209.7	1221.0	1230.9	1239.4	1245.0	1269.1
172.5°	1298.5	1282.4	1276.7	1268.2	1265.1	1256.1	1265.1	1268.2	1276.7	1282.4	1298.5
175°	1341.2	1328.5	1328.5	1327.1	1322.8	1314.4	1322.8	1327.1	1328.5	1328.5	1341.2
177.5°	1376.9	1370.1	1374.6	1374.6	1373.5	1365.6	1373.5	1374.6	1374.6	1370.1	1376.9
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428268

CATALOG NUMBER: SQ2W-PR1-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2012.6	2012.6	2012.6	2012.6
2.5°	2021.4	2026.3	2015.4	2004.4
5°	2029.7	2033.4	2017.9	2002.4
7.5°	2047.8	2046.1	2024.0	2002.0
10°	2057.1	2053.2	2026.8	2000.3
12.5°	2048.9	2052.1	2021.3	1990.5
15°	2019.5	2034.3	1997.8	1961.3
17.5°	1973.0	1986.3	1948.2	1910.0
20°	1942.9	1952.0	1914.6	1877.2
22.5°	1916.6	1922.4	1885.1	1847.7
25°	1871.8	1871.1	1838.2	1805.4
27.5°	1812.5	1799.8	1780.4	1761.1
30°	1772.6	1748.9	1736.1	1723.4
32.5°	1731.0	1697.6	1690.0	1682.3
35°	1670.0	1627.4	1621.0	1614.6
37.5°	1595.2	1560.5	1547.3	1534.2
40°	1542.1	1518.9	1497.0	1475.1
42.5°	1478.1	1472.9	1437.9	1402.9
45°	1356.1	1383.2	1335.8	1288.4
47.5°	1199.6	1250.8	1202.1	1153.4
50°	1085.3	1143.2	1104.0	1064.8
52.5°	973.7	1031.0	1002.8	974.5
55°	811.1	864.2	849.6	835.0
57.5°	675.3	725.6	716.3	707.0
60°	591.5	642.6	636.2	629.8
62.5°	519.9	569.1	564.2	559.3
65°	426.7	468.7	464.1	459.6
67.5°	350.6	385.1	382.7	380.4
70°	305.7	336.2	335.3	334.4
72.5°	263.6	290.8	292.1	293.4
75°	203.8	226.4	229.1	231.8
77.5°	148.5	167.3	170.2	173.2
80°	113.5	128.1	131.8	135.4
82.5°	81.8	90.7	95.8	100.9
85°	39.0	40.1	44.7	49.2
87.5°	15.5	16.2	15.1	14.0
90°	25.5	15.6	9.9	4.2
92.5°	54.9	38.2	26.9	15.6
95°	110.4	87.7	62.3	43.9
97.5°	175.7	139.2	114.0	83.8
100°	210.8	175.4	151.4	118.8
102.5°	249.3	219.6	186.5	153.9
105°	318.3	281.5	243.3	206.6
107.5°	382.3	341.8	296.0	262.9
110°	423.0	379.2	331.1	301.4



TEST NUMBER: P1428268

CATALOG NUMBER: SQ2W-PR1-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	462.6	417.7	368.4	338.7
115°	516.4	466.9	421.6	396.1
117.5°	568.2	517.3	469.4	449.3
120°	599.9	548.9	502.3	486.7
122.5°	625.9	576.1	532.8	526.3
125°	665.0	614.0	577.2	585.7
127.5°	696.7	650.0	626.8	645.7
130°	715.9	674.9	660.7	687.6
132.5°	732.9	700.9	694.7	731.7
135°	758.3	739.9	745.6	796.5
137.5°	788.6	781.5	800.5	864.7
140°	807.9	812.1	839.0	911.1
142.5°	833.9	843.8	878.6	955.3
145°	874.4	895.6	940.8	1017.2
147.5°	920.2	947.6	1003.7	1082.0
150°	950.8	986.1	1045.5	1120.5
152.5°	985.8	1022.3	1081.8	1157.9
155°	1039.9	1080.9	1143.2	1208.2
157.5°	1095.1	1136.9	1196.4	1253.2
160°	1129.0	1174.3	1228.1	1280.4
162.5°	1167.5	1209.4	1256.4	1303.0
165°	1223.8	1257.8	1296.0	1335.6
167.5°	1271.1	1299.4	1329.4	1360.2
170°	1301.6	1324.3	1349.7	1373.8
172.5°	1327.7	1345.8	1364.4	1385.1
175°	1362.5	1372.4	1383.7	1396.4
177.5°	1389.3	1392.7	1396.1	1401.8
180°	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428268
 CATALOG NUMBER: SQ2W-PR1-K-100U-100D-L940-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	19.15	20.01	20.08	20.95	22.16	15.52	16.38	16.45	17.32	18.53
	3H	20.36	21.13	21.30	22.08	23.31	16.69	17.45	17.63	18.40	19.64
	4H	20.85	21.57	21.80	22.52	23.77	17.15	17.87	18.10	18.82	20.07
	6H	21.14	21.81	22.11	22.77	24.03	17.49	18.15	18.46	19.11	20.37
	8H	21.25	21.88	22.22	22.85	24.11	17.63	18.26	18.60	19.24	20.49
	12H	21.29	21.89	22.26	22.86	24.14	17.66	18.26	18.64	19.23	20.51
4H	2H	19.26	19.98	20.22	20.93	22.18	16.23	16.96	17.20	17.91	19.16
	3H	20.72	21.32	21.69	22.30	23.56	17.59	18.19	18.56	19.17	20.43
	4H	21.35	21.89	22.33	22.87	24.15	18.14	18.68	19.11	19.66	20.94
	6H	21.78	22.25	22.77	23.25	24.53	18.57	19.04	19.56	20.04	21.32
	8H	21.94	22.37	22.93	23.37	24.66	18.75	19.19	19.74	20.18	21.48
	12H	22.00	22.40	23.01	23.41	24.71	18.80	19.19	19.81	20.20	21.51
8H	4H	21.37	21.81	22.36	22.80	24.10	18.46	18.90	19.45	19.89	21.19
	6H	21.90	22.26	22.92	23.30	24.60	19.00	19.36	20.02	20.40	21.70
	8H	22.14	22.46	23.16	23.48	24.79	19.26	19.58	20.29	20.61	21.92
	12H	22.26	22.54	23.28	23.55	24.91	19.36	19.64	20.39	20.66	22.02
12H	4H	21.33	21.72	22.34	22.73	24.04	18.48	18.88	19.49	19.89	21.19
	6H	21.89	22.21	22.92	23.24	24.55	19.07	19.39	20.10	20.42	21.73
	8H	22.14	22.42	23.17	23.44	24.80	19.36	19.64	20.39	20.66	22.02