

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: P1428266

Luminaire Tested: SQ2W-PR1-K-100U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428266
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-L930-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

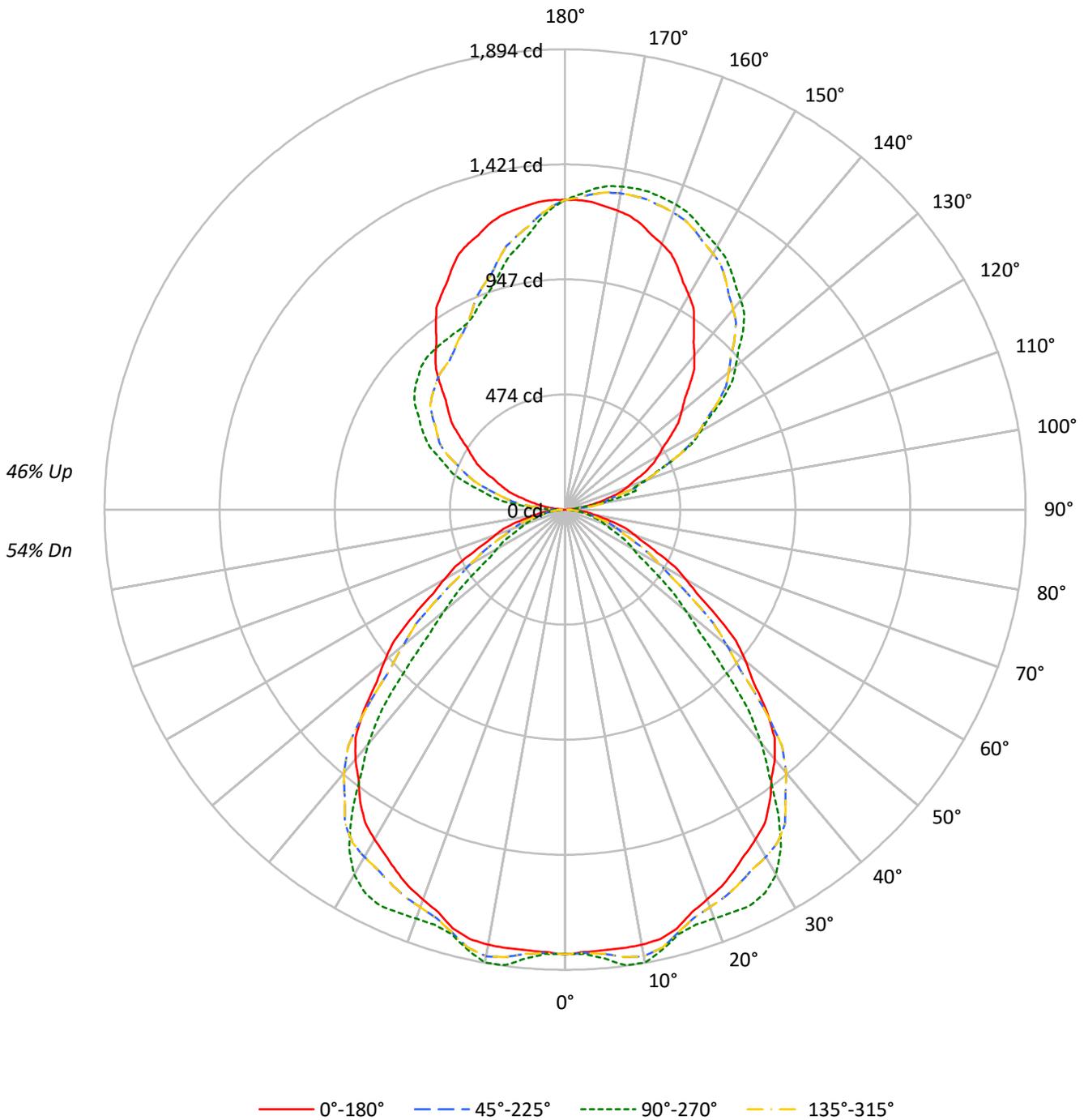
Lumens per Lamp: N/A
Luminaire Lumens: 8126.5 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
Input Voltage (V): 120
Input Current (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	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°	29546	29546	29546	29546
5°	29508	30053	29508	30053
10°	29819	31043	29819	31043
15°	29810	30214	29810	30214
20°	29328	30771	29328	30771
25°	29245	32036	29245	32036
30°	29214	32344	29214	32344
35°	28936	30113	28936	30113
40°	28270	26500	28270	26500
45°	26749	20956	26749	20956
50°	24319	16259	24319	16259
55°	21371	12656	21371	12656
60°	18493	10420	18493	10420
65°	15965	9123	15965	9123
70°	14355	8101	14355	8101
75°	13150	7448	13150	7448
80°	11446	7280	11446	7280
85°	8299	3464	8299	3464

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 28717 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.7	2.2
10°-20°	511.6	6.3
20°-30°	790.9	9.7
30°-40°	951.1	11.7
40°-50°	854.1	10.5
50°-60°	572.3	7.0
60°-70°	332.9	4.1
70°-80°	171.0	2.1
80°-90°	47.4	0.6
90°-100°	101.4	1.2
100°-110°	295.6	3.6
110°-120°	482.4	5.9
120°-130°	612.1	7.5
130°-140°	655.0	8.1
140°-150°	611.6	7.5
150°-160°	503.3	6.2
160°-170°	337.5	4.2
170°-180°	119.8	1.5
0°-30°	1479.2	18.2
0°-40°	2430.3	29.9
0°-60°	3856.6	47.5
0°-90°	4407.9	54.2
90°-120°	879.3	10.8
90°-150°	2758.0	33.9
90°-180°	3719.0	45.8
0°-180°	8126.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1830	1830	1830	1830	1830	
5°	1821	1854	1821	1854	1821	174
15°	1783	1808	1783	1808	1783	501
25°	1642	1798	1642	1798	1642	757
35°	1468	1528	1468	1528	1468	915
45°	1172	918	1172	918	1172	896
55°	759	450	759	450	759	682
65°	418	239	418	239	418	423
75°	211	119	211	119	211	224
85°	45	19	45	19	45	56
90°	4	28	4	55	4	5
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0
2.5°	1822.6	1832.5	1842.5	1838.0	1828.7	1824.4	1825.1	1826.0	1828.0	1830.0	1828.0
5°	1820.7	1834.8	1848.9	1845.6	1836.5	1832.7	1834.4	1837.7	1846.0	1854.3	1846.0
7.5°	1820.3	1840.4	1860.5	1862.0	1857.3	1857.4	1862.2	1868.6	1879.5	1890.5	1879.5
10°	1818.8	1842.9	1866.9	1870.4	1867.1	1865.9	1866.7	1870.2	1881.8	1893.5	1881.8
12.5°	1809.9	1837.9	1865.9	1863.0	1849.7	1842.5	1841.3	1842.0	1848.3	1854.7	1848.3
15°	1783.4	1816.6	1849.7	1836.2	1807.2	1794.0	1796.4	1799.3	1803.5	1807.6	1803.5
17.5°	1736.8	1771.4	1806.1	1794.0	1766.3	1756.9	1765.9	1774.6	1782.7	1790.9	1782.7
20°	1706.9	1740.9	1774.9	1766.6	1744.2	1738.8	1750.4	1762.7	1776.8	1790.9	1776.8
22.5°	1680.0	1714.0	1748.0	1742.7	1724.3	1723.2	1739.5	1756.5	1775.9	1795.3	1775.9
25°	1641.6	1671.5	1701.3	1701.9	1692.8	1701.9	1729.3	1755.2	1776.8	1798.3	1776.8
27.5°	1601.3	1618.9	1636.5	1648.1	1657.7	1681.0	1718.0	1749.5	1764.6	1779.7	1764.6
30°	1567.0	1578.6	1590.2	1611.8	1636.6	1665.2	1697.6	1723.3	1729.1	1734.9	1729.1
32.5°	1529.7	1536.6	1543.6	1574.0	1612.1	1639.7	1656.8	1667.7	1660.3	1652.8	1660.3
35°	1468.1	1473.9	1479.7	1518.5	1568.2	1586.5	1573.2	1559.3	1543.6	1527.8	1543.6
37.5°	1395.0	1406.9	1418.9	1450.5	1488.6	1488.3	1449.5	1415.9	1397.8	1379.7	1397.8
40°	1341.3	1361.2	1381.1	1402.2	1423.8	1405.5	1347.5	1298.8	1278.1	1257.3	1278.1
42.5°	1275.6	1307.4	1339.3	1344.0	1339.7	1300.6	1226.6	1164.8	1139.4	1114.1	1139.4
45°	1171.5	1214.6	1257.7	1233.1	1185.8	1122.0	1041.6	974.2	946.0	917.8	946.0
47.5°	1048.8	1093.0	1137.3	1090.8	1014.0	939.7	867.9	807.5	781.1	754.8	781.1
50°	968.2	1003.8	1039.5	986.8	904.8	830.1	763.0	705.4	676.3	647.3	676.3
52.5°	886.1	911.8	937.5	885.4	807.3	734.6	667.5	610.5	584.1	557.8	584.1
55°	759.2	772.5	785.8	737.5	668.7	602.3	538.5	486.1	467.8	449.6	467.8
57.5°	642.8	651.3	659.8	614.0	550.1	491.1	436.9	392.9	379.4	366.0	379.4
60°	572.7	578.5	584.3	537.9	474.0	421.0	378.7	344.3	333.5	322.7	333.5
62.5°	508.5	513.0	517.5	472.7	411.5	364.1	330.4	303.2	295.0	286.9	295.0
65°	417.9	422.0	426.2	388.0	335.8	296.8	271.1	250.4	244.6	238.8	244.6
67.5°	345.9	348.0	350.2	318.7	276.1	244.7	224.5	207.9	202.5	197.0	202.5
70°	304.1	304.9	305.7	278.0	240.6	212.9	194.6	179.9	175.8	171.6	175.8
72.5°	266.8	265.6	264.4	239.7	207.0	183.2	168.3	156.4	153.5	150.7	153.5
75°	210.8	208.3	205.8	185.3	158.8	140.5	130.6	122.7	121.0	119.4	121.0
77.5°	157.4	154.8	152.1	135.1	113.2	100.6	97.3	94.8	94.8	94.8	94.8
80°	123.1	119.8	116.5	103.2	86.6	78.3	78.3	78.3	78.3	78.3	78.3
82.5°	91.8	87.1	82.5	74.4	65.1	60.4	60.4	60.3	59.6	58.9	59.6
85°	44.8	40.6	36.5	35.4	35.4	33.0	28.0	23.6	21.1	18.7	21.1
87.5°	12.7	13.7	15.0	13.6	11.0	9.6	9.6	9.9	10.1	10.1	10.1
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0
2.5°	1826.0	1825.1	1824.4	1828.7	1838.0	1842.5	1832.5	1822.6	1832.5	1842.5	1838.0
5°	1837.7	1834.4	1832.7	1836.5	1845.6	1848.9	1834.8	1820.7	1834.8	1848.9	1845.6
7.5°	1868.6	1862.2	1857.4	1857.3	1862.0	1860.5	1840.4	1820.3	1840.4	1860.5	1862.0
10°	1870.2	1866.7	1865.9	1867.1	1870.4	1866.9	1842.9	1818.8	1842.9	1866.9	1870.4
12.5°	1842.0	1841.3	1842.5	1849.7	1863.0	1865.9	1837.9	1809.9	1837.9	1865.9	1863.0
15°	1799.3	1796.4	1794.0	1807.2	1836.2	1849.7	1816.6	1783.4	1816.6	1849.7	1836.2
17.5°	1774.6	1765.9	1756.9	1766.3	1794.0	1806.1	1771.4	1736.8	1771.4	1806.1	1794.0
20°	1762.7	1750.4	1738.8	1744.2	1766.6	1774.9	1740.9	1706.9	1740.9	1774.9	1766.6
22.5°	1756.5	1739.5	1723.2	1724.3	1742.7	1748.0	1714.0	1680.0	1714.0	1748.0	1742.7
25°	1755.2	1729.3	1701.9	1692.8	1701.9	1701.3	1671.5	1641.6	1671.5	1701.3	1701.9
27.5°	1749.5	1718.0	1681.0	1657.7	1648.1	1636.5	1618.9	1601.3	1618.9	1636.5	1648.1
30°	1723.3	1697.6	1665.2	1636.6	1611.8	1590.2	1578.6	1567.0	1578.6	1590.2	1611.8
32.5°	1667.7	1656.8	1639.7	1612.1	1574.0	1543.6	1536.6	1529.7	1536.6	1543.6	1574.0
35°	1559.3	1573.2	1586.5	1568.2	1518.5	1479.7	1473.9	1468.1	1473.9	1479.7	1518.5
37.5°	1415.9	1449.5	1488.3	1488.6	1450.5	1418.9	1406.9	1395.0	1406.9	1418.9	1450.5
40°	1298.8	1347.5	1405.5	1423.8	1402.2	1381.1	1361.2	1341.3	1361.2	1381.1	1402.2
42.5°	1164.8	1226.6	1300.6	1339.7	1344.0	1339.3	1307.4	1275.6	1307.4	1339.3	1344.0
45°	974.2	1041.6	1122.0	1185.8	1233.1	1257.7	1214.6	1171.5	1214.6	1257.7	1233.1
47.5°	807.5	867.9	939.7	1014.0	1090.8	1137.3	1093.0	1048.8	1093.0	1137.3	1090.8
50°	705.4	763.0	830.1	904.8	986.8	1039.5	1003.8	968.2	1003.8	1039.5	986.8
52.5°	610.5	667.5	734.6	807.3	885.4	937.5	911.8	886.1	911.8	937.5	885.4
55°	486.1	538.5	602.3	668.7	737.5	785.8	772.5	759.2	772.5	785.8	737.5
57.5°	392.9	436.9	491.1	550.1	614.0	659.8	651.3	642.8	651.3	659.8	614.0
60°	344.3	378.7	421.0	474.0	537.9	584.3	578.5	572.7	578.5	584.3	537.9
62.5°	303.2	330.4	364.1	411.5	472.7	517.5	513.0	508.5	513.0	517.5	472.7
65°	250.4	271.1	296.8	335.8	388.0	426.2	422.0	417.9	422.0	426.2	388.0
67.5°	207.9	224.5	244.7	276.1	318.7	350.2	348.0	345.9	348.0	350.2	318.7
70°	179.9	194.6	212.9	240.6	278.0	305.7	304.9	304.1	304.9	305.7	278.0
72.5°	156.4	168.3	183.2	207.0	239.7	264.4	265.6	266.8	265.6	264.4	239.7
75°	122.7	130.6	140.5	158.8	185.3	205.8	208.3	210.8	208.3	205.8	185.3
77.5°	94.8	97.3	100.6	113.2	135.1	152.1	154.8	157.4	154.8	152.1	135.1
80°	78.3	78.3	78.3	86.6	103.2	116.5	119.8	123.1	119.8	116.5	103.2
82.5°	60.3	60.4	60.4	65.1	74.4	82.5	87.1	91.8	87.1	82.5	74.4
85°	23.6	28.0	33.0	35.4	35.4	36.5	40.6	44.8	40.6	36.5	35.4
87.5°	9.9	9.6	9.6	11.0	13.6	15.0	13.7	12.7	13.7	14.8	14.1
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1428266

CATALOG NUMBER: SQ2W-PR1-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428266

CATALOG NUMBER: SQ2W-PR1-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0
2.5°	1828.7	1824.4	1825.1	1826.0	1828.0	1830.0	1828.0	1826.0	1825.1	1824.4	1828.7
5°	1836.5	1832.7	1834.4	1837.7	1846.0	1854.3	1846.0	1837.7	1834.4	1832.7	1836.5
7.5°	1857.3	1857.4	1862.2	1868.6	1879.5	1890.5	1879.5	1868.6	1862.2	1857.4	1857.3
10°	1867.1	1865.9	1866.7	1870.2	1881.8	1893.5	1881.8	1870.2	1866.7	1865.9	1867.1
12.5°	1849.7	1842.5	1841.3	1842.0	1848.3	1854.7	1848.3	1842.0	1841.3	1842.5	1849.7
15°	1807.2	1794.0	1796.4	1799.3	1803.5	1807.6	1803.5	1799.3	1796.4	1794.0	1807.2
17.5°	1766.3	1756.9	1765.9	1774.6	1782.7	1790.9	1782.7	1774.6	1765.9	1756.9	1766.3
20°	1744.2	1738.8	1750.4	1762.7	1776.8	1790.9	1776.8	1762.7	1750.4	1738.8	1744.2
22.5°	1724.3	1723.2	1739.5	1756.5	1775.9	1795.3	1775.9	1756.5	1739.5	1723.2	1724.3
25°	1692.8	1701.9	1729.3	1755.2	1776.8	1798.3	1776.8	1755.2	1729.3	1701.9	1692.8
27.5°	1657.7	1681.0	1718.0	1749.5	1764.6	1779.7	1764.6	1749.5	1718.0	1681.0	1657.7
30°	1636.6	1665.2	1697.6	1723.3	1729.1	1734.9	1729.1	1723.3	1697.6	1665.2	1636.6
32.5°	1612.1	1639.7	1656.8	1667.7	1660.3	1652.8	1660.3	1667.7	1656.8	1639.7	1612.1
35°	1568.2	1586.5	1573.2	1559.3	1543.6	1527.8	1543.6	1559.3	1573.2	1586.5	1568.2
37.5°	1488.6	1488.3	1449.5	1415.9	1397.8	1379.7	1397.8	1415.9	1449.5	1488.3	1488.6
40°	1423.8	1405.5	1347.5	1298.8	1278.1	1257.3	1278.1	1298.8	1347.5	1405.5	1423.8
42.5°	1339.7	1300.6	1226.6	1164.8	1139.4	1114.1	1139.4	1164.8	1226.6	1300.6	1339.7
45°	1185.8	1122.0	1041.6	974.2	946.0	917.8	946.0	974.2	1041.6	1122.0	1185.8
47.5°	1014.0	939.7	867.9	807.5	781.1	754.8	781.1	807.5	867.9	939.7	1014.0
50°	904.8	830.1	763.0	705.4	676.3	647.3	676.3	705.4	763.0	830.1	904.8
52.5°	807.3	734.6	667.5	610.5	584.1	557.8	584.1	610.5	667.5	734.6	807.3
55°	668.7	602.3	538.5	486.1	467.8	449.6	467.8	486.1	538.5	602.3	668.7
57.5°	550.1	491.1	436.9	392.9	379.4	366.0	379.4	392.9	436.9	491.1	550.1
60°	474.0	421.0	378.7	344.3	333.5	322.7	333.5	344.3	378.7	421.0	474.0
62.5°	411.5	364.1	330.4	303.2	295.0	286.9	295.0	303.2	330.4	364.1	411.5
65°	335.8	296.8	271.1	250.4	244.6	238.8	244.6	250.4	271.1	296.8	335.8
67.5°	276.1	244.7	224.5	207.9	202.5	197.0	202.5	207.9	224.5	244.7	276.1
70°	240.6	212.9	194.6	179.9	175.8	171.6	175.8	179.9	194.6	212.9	240.6
72.5°	207.0	183.2	168.3	156.4	153.5	150.7	153.5	156.4	168.3	183.2	207.0
75°	158.8	140.5	130.6	122.7	121.0	119.4	121.0	122.7	130.6	140.5	158.8
77.5°	113.2	100.6	97.3	94.8	94.8	94.8	94.8	94.8	97.3	100.6	113.2
80°	86.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	86.6
82.5°	65.1	60.4	60.4	60.3	59.6	58.9	59.6	60.3	60.4	60.4	65.1
85°	35.4	33.0	28.0	23.6	21.1	18.7	21.1	23.6	28.0	33.0	35.4
87.5°	12.1	12.2	14.0	15.0	16.1	15.5	16.1	15.0	14.0	12.2	12.1
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	318.3	293.1	262.7	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1428266

CATALOG NUMBER: SQ2W-PR1-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428266

CATALOG NUMBER: SQ2W-PR1-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1830.0	1830.0	1830.0	1830.0
2.5°	1838.0	1842.5	1832.5	1822.6
5°	1845.6	1848.9	1834.8	1820.7
7.5°	1862.0	1860.5	1840.4	1820.3
10°	1870.4	1866.9	1842.9	1818.8
12.5°	1863.0	1865.9	1837.9	1809.9
15°	1836.2	1849.7	1816.6	1783.4
17.5°	1794.0	1806.1	1771.4	1736.8
20°	1766.6	1774.9	1740.9	1706.9
22.5°	1742.7	1748.0	1714.0	1680.0
25°	1701.9	1701.3	1671.5	1641.6
27.5°	1648.1	1636.5	1618.9	1601.3
30°	1611.8	1590.2	1578.6	1567.0
32.5°	1574.0	1543.6	1536.6	1529.7
35°	1518.5	1479.7	1473.9	1468.1
37.5°	1450.5	1418.9	1406.9	1395.0
40°	1402.2	1381.1	1361.2	1341.3
42.5°	1344.0	1339.3	1307.4	1275.6
45°	1233.1	1257.7	1214.6	1171.5
47.5°	1090.8	1137.3	1093.0	1048.8
50°	986.8	1039.5	1003.8	968.2
52.5°	885.4	937.5	911.8	886.1
55°	737.5	785.8	772.5	759.2
57.5°	614.0	659.8	651.3	642.8
60°	537.9	584.3	578.5	572.7
62.5°	472.7	517.5	513.0	508.5
65°	388.0	426.2	422.0	417.9
67.5°	318.7	350.2	348.0	345.9
70°	278.0	305.7	304.9	304.1
72.5°	239.7	264.4	265.6	266.8
75°	185.3	205.8	208.3	210.8
77.5°	135.1	152.1	154.8	157.4
80°	103.2	116.5	119.8	123.1
82.5°	74.4	82.5	87.1	91.8
85°	35.4	36.5	40.6	44.8
87.5°	14.1	14.8	13.7	12.7
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1428266

CATALOG NUMBER: SQ2W-PR1-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6

TEST NUMBER: P1428266
 CATALOG NUMBER: SQ2W-PR1-K-100U-100D-L930-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.82	19.68	19.75	20.62	21.83	15.19	16.05	16.12	16.99	18.20
	3H	20.03	20.80	20.97	21.75	22.98	16.36	17.12	17.30	18.07	19.31
	4H	20.52	21.24	21.47	22.19	23.44	16.82	17.54	17.77	18.49	19.74
	6H	20.81	21.48	21.78	22.44	23.70	17.16	17.82	18.13	18.78	20.04
	8H	20.92	21.55	21.89	22.52	23.78	17.30	17.93	18.27	18.90	20.16
	12H	20.96	21.56	21.93	22.53	23.81	17.33	17.93	18.31	18.90	20.18
4H	2H	18.93	19.65	19.89	20.60	21.85	15.90	16.63	16.87	17.58	18.83
	3H	20.39	20.99	21.36	21.97	23.23	17.26	17.86	18.23	18.84	20.10
	4H	21.02	21.56	22.00	22.54	23.82	17.80	18.35	18.78	19.33	20.61
	6H	21.45	21.92	22.44	22.92	24.20	18.24	18.71	19.23	19.71	20.99
	8H	21.61	22.04	22.60	23.04	24.33	18.42	18.86	19.41	19.85	21.15
	12H	21.67	22.07	22.68	23.08	24.38	18.47	18.86	19.48	19.87	21.17
8H	4H	21.04	21.48	22.03	22.47	23.77	18.13	18.57	19.12	19.56	20.86
	6H	21.57	21.93	22.59	22.97	24.27	18.67	19.03	19.69	20.07	21.36
	8H	21.81	22.13	22.83	23.15	24.46	18.93	19.25	19.96	20.28	21.59
	12H	21.93	22.21	22.95	23.22	24.58	19.03	19.31	20.05	20.33	21.68
12H	4H	21.00	21.39	22.01	22.40	23.71	18.15	18.54	19.16	19.56	20.86
	6H	21.56	21.88	22.59	22.91	24.22	18.74	19.06	19.77	20.09	21.40
	8H	21.81	22.09	22.84	23.11	24.47	19.03	19.31	20.06	20.33	21.69