

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: P1428096

Luminaire Tested: SQ2W-PP3-K-100U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428096
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-100U-100D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

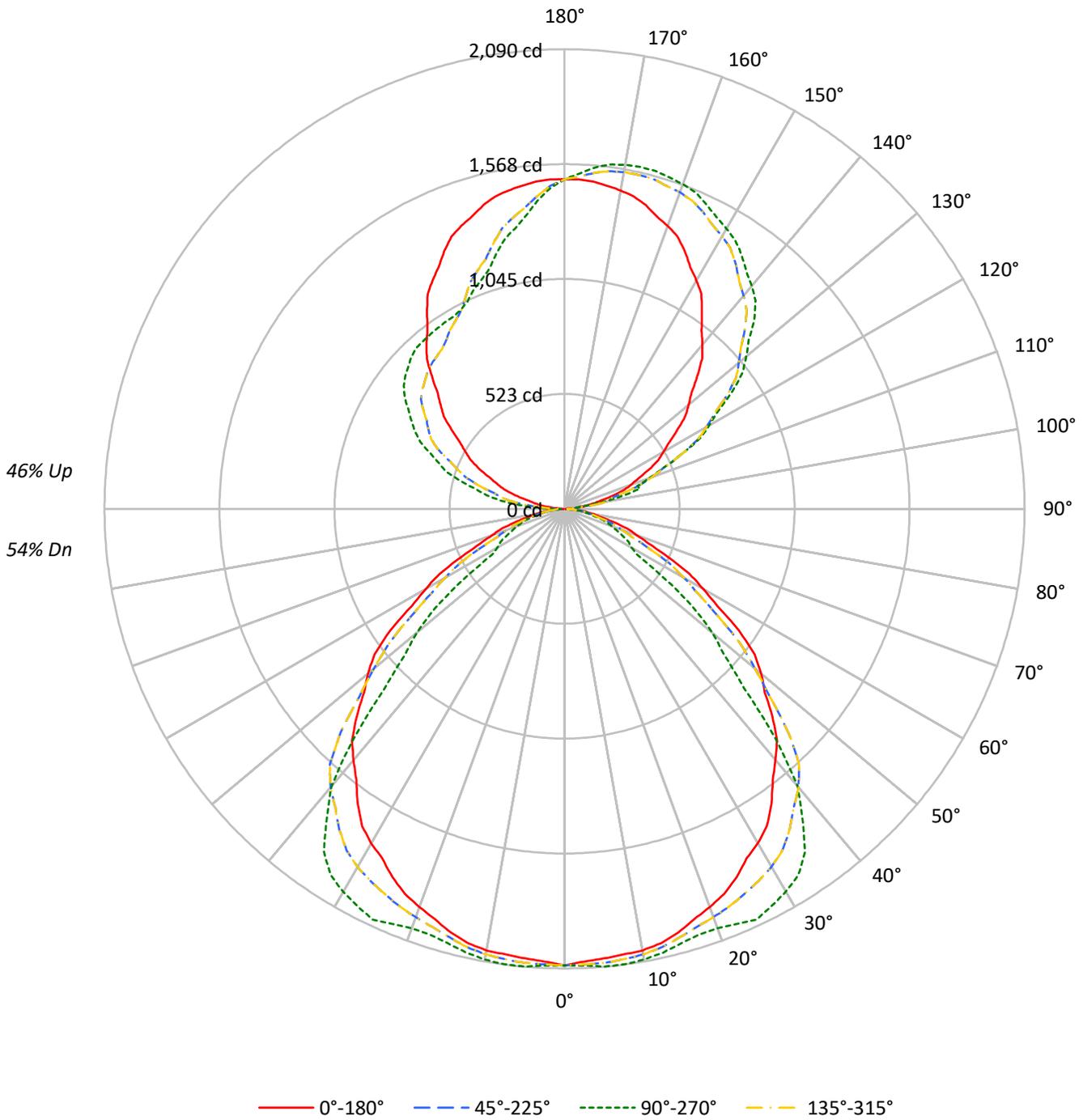
Lumens per Lamp: N/A
Luminaire Lumens: 9611.0 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	92	88	92	89	85	83	76	74	72	65	63	62	54	53	52	47
2	91	84	78	73	84	78	73	69	67	64	60	57	55	52	48	46	45	40
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	39	35
4	76	66	58	52	71	62	55	49	53	48	44	46	42	39	39	36	34	30
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26
6	65	53	45	39	60	50	42	37	43	38	33	37	33	30	32	29	26	23
7	60	48	40	35	56	45	38	33	39	34	30	34	30	26	29	26	23	21
8	56	44	36	31	52	41	34	29	36	30	26	31	27	24	27	23	21	19
9	52	40	32	27	48	37	31	26	33	27	24	29	24	21	25	21	19	17
10	48	36	29	25	45	34	28	23	30	25	21	27	22	19	23	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	33525	33525	33525	33525
5°	33262	33867	33262	33867
10°	33430	34114	33430	34114
15°	33350	34194	33350	34194
20°	33113	34884	33113	34884
25°	32923	36716	32923	36716
30°	32736	37484	32736	37484
35°	32273	37552	32273	37552
40°	31412	34696	31412	34696
45°	30471	26411	30471	26411
50°	29275	21998	29275	21998
55°	27248	15817	27248	15817
60°	23459	11341	23459	11341
65°	19789	11152	19789	11152
70°	16475	10673	16475	10673
75°	13967	9994	13967	9994
80°	11836	8982	11836	8982
85°	9355	4872	9355	4872

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 33334 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.7	2.1
10°-20°	572.2	6.0
20°-30°	896.5	9.3
30°-40°	1105.9	11.5
40°-50°	1041.1	10.8
50°-60°	737.2	7.7
60°-70°	420.1	4.4
70°-80°	207.9	2.2
80°-90°	57.0	0.6
90°-100°	119.3	1.2
100°-110°	347.8	3.6
110°-120°	567.6	5.9
120°-130°	720.2	7.5
130°-140°	770.6	8.0
140°-150°	719.6	7.5
150°-160°	592.1	6.2
160°-170°	397.1	4.1
170°-180°	141.0	1.5
0°-30°	1666.4	17.3
0°-40°	2772.3	28.8
0°-60°	4550.6	47.3
0°-90°	5235.6	54.5
90°-120°	1034.6	10.8
90°-150°	3245.1	33.8
90°-180°	4375.0	45.5
0°-180°	9611.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2076	2076	2076	2076	2076	
5°	2052	2090	2052	2090	2052	196
15°	1995	2046	1995	2046	1995	562
25°	1848	2061	1848	2061	1848	851
35°	1637	1905	1637	1905	1637	1021
45°	1334	1157	1334	1157	1334	1027
55°	968	562	968	562	968	854
65°	518	292	518	292	518	520
75°	224	160	224	160	224	243
85°	50	26	50	26	50	59
90°	4	33	4	65	4	6
95°	47	35	47	204	47	57
105°	221	354	221	487	221	235
115°	424	587	424	724	424	418
125°	627	931	627	887	627	561
135°	852	1218	852	982	852	659
145°	1088	1405	1088	1004	1088	681
155°	1293	1526	1293	1041	1293	594
165°	1429	1591	1429	1199	1429	402
175°	1494	1558	1494	1406	1494	142
180°	1498	1498	1498	1498	1498	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2060.6	2073.9	2087.1	2084.0	2075.4	2071.9	2073.5	2075.0	2076.6	2078.2	2076.6
5°	2052.3	2068.8	2085.4	2083.0	2074.2	2070.8	2072.8	2075.9	2082.7	2089.6	2082.7
7.5°	2044.4	2061.3	2078.3	2076.1	2067.5	2064.9	2068.2	2072.8	2081.2	2089.6	2081.2
10°	2039.1	2053.7	2068.4	2066.2	2058.4	2056.9	2061.8	2067.1	2074.0	2080.8	2074.0
12.5°	2023.3	2037.1	2051.0	2049.2	2042.2	2041.9	2048.3	2054.7	2060.7	2066.8	2060.7
15°	1995.2	2007.9	2020.6	2020.8	2016.9	2019.3	2028.1	2035.9	2040.8	2045.7	2040.8
17.5°	1957.0	1972.4	1987.8	1991.4	1991.0	1997.0	2009.5	2020.2	2025.2	2030.3	2025.2
20°	1927.2	1945.7	1964.2	1970.3	1972.3	1981.1	1996.7	2010.8	2020.6	2030.3	2020.6
22.5°	1895.5	1917.2	1938.9	1946.9	1950.4	1963.9	1987.3	2009.0	2025.8	2042.6	2025.8
25°	1848.1	1869.6	1891.1	1906.7	1920.3	1944.2	1978.4	2010.3	2035.7	2061.0	2035.7
27.5°	1792.8	1814.1	1835.4	1862.2	1890.9	1924.4	1962.9	1996.7	2016.8	2036.9	2016.8
30°	1755.9	1776.4	1796.9	1827.6	1861.8	1898.9	1938.9	1973.5	1992.0	2010.6	1992.0
32.5°	1710.3	1731.6	1752.8	1785.5	1822.0	1861.8	1904.9	1941.5	1958.5	1975.4	1958.5
35°	1637.4	1657.9	1678.4	1716.4	1760.3	1804.7	1849.6	1885.7	1895.4	1905.2	1895.4
37.5°	1553.6	1576.8	1600.0	1642.7	1691.9	1729.0	1754.2	1773.2	1773.8	1774.4	1773.8
40°	1490.4	1520.6	1550.8	1593.5	1640.3	1666.2	1671.1	1671.6	1658.9	1646.2	1658.9
42.5°	1428.9	1467.7	1506.6	1540.8	1573.6	1580.4	1561.0	1532.5	1476.1	1419.7	1476.1
45°	1334.5	1380.4	1426.2	1447.2	1459.9	1417.0	1318.4	1234.8	1195.8	1156.7	1195.8
47.5°	1234.0	1279.3	1324.5	1318.7	1295.9	1230.9	1123.8	1036.7	1009.8	982.9	1009.8
50°	1165.5	1208.4	1251.4	1220.4	1164.8	1091.6	1000.9	926.5	901.1	875.8	901.1
52.5°	1088.2	1126.5	1164.7	1118.0	1042.8	965.8	886.8	817.8	779.2	740.6	779.2
55°	968.0	994.3	1020.6	969.4	892.4	807.5	714.8	636.0	599.0	561.9	599.0
57.5°	823.1	841.6	860.2	819.9	760.0	675.6	566.7	474.7	433.1	391.6	433.1
60°	726.5	741.2	755.8	719.2	665.6	585.1	477.8	392.2	371.7	351.2	371.7
62.5°	638.7	651.8	664.9	626.7	571.5	499.6	411.0	342.8	335.6	328.4	335.6
65°	518.0	530.7	543.4	503.4	445.8	389.7	335.1	293.9	292.9	291.9	292.9
67.5°	412.2	426.1	439.9	402.3	347.4	306.0	277.9	256.5	255.3	254.2	255.3
70°	349.0	363.6	378.3	343.1	291.4	257.8	242.2	230.0	228.0	226.1	228.0
72.5°	296.3	310.2	324.0	293.4	247.9	220.1	210.0	202.1	200.9	199.7	200.9
75°	223.9	234.6	245.3	223.2	190.0	171.0	166.1	162.2	161.2	160.2	161.2
77.5°	162.4	169.3	176.1	161.5	139.9	127.8	125.3	123.1	122.1	121.2	122.1
80°	127.3	130.2	133.2	122.9	108.3	100.5	99.5	98.5	97.6	96.6	97.6
82.5°	95.7	94.7	93.7	87.8	80.2	75.9	74.9	73.7	72.0	70.2	72.0
85°	50.5	48.5	46.6	44.6	42.7	39.8	35.9	32.2	29.3	26.3	29.3
87.5°	16.7	17.9	19.4	17.7	14.7	12.7	11.9	11.6	11.9	11.9	11.9
90°	4.5	10.6	18.2	24.2	28.8	30.3	30.3	31.8	33.3	33.3	33.3
92.5°	16.7	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.4	39.4	39.4
95°	46.9	51.5	77.2	75.7	51.5	40.9	34.8	34.8	34.8	34.8	34.8
97.5°	89.6	96.3	100.5	134.7	142.3	137.4	112.0	94.1	84.2	79.6	84.2
100°	127.1	130.2	139.3	140.8	178.6	214.9	196.8	174.1	166.5	162.0	166.5
102.5°	164.7	166.5	180.4	186.8	195.6	216.1	279.1	272.2	267.0	266.1	267.0
105°	221.0	222.5	248.2	260.3	266.4	266.4	264.9	295.2	343.6	354.2	343.6
107.5°	281.2	288.2	318.5	350.9	357.8	359.6	351.8	347.2	345.4	346.6	345.4
110°	322.4	333.0	369.3	410.2	420.8	423.8	420.8	416.3	413.2	413.2	413.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.4	377.8	419.0	465.9	483.8	492.8	486.2	482.9	479.8	482.2	479.8
115°	423.8	446.5	501.0	549.5	585.8	590.3	588.8	588.8	587.3	587.3	587.3
117.5°	480.7	517.1	578.2	634.5	676.6	688.7	694.8	692.9	691.1	694.2	691.1
120°	520.7	563.1	632.7	696.3	737.1	755.3	761.4	758.3	761.4	758.3	761.4
122.5°	563.1	615.1	683.6	749.6	797.7	818.3	825.5	826.2	826.8	824.9	826.8
125°	626.7	690.2	770.4	838.6	888.5	912.7	918.8	920.3	923.3	930.9	923.3
127.5°	690.8	762.9	851.0	916.7	967.8	997.2	1006.6	1009.9	1016.3	1019.6	1016.3
130°	735.6	817.4	906.7	968.7	1018.7	1050.5	1067.1	1071.7	1079.2	1077.7	1079.2
132.5°	782.9	868.2	958.7	1023.2	1069.5	1103.8	1118.0	1131.0	1133.7	1135.8	1133.7
135°	852.2	944.5	1035.3	1098.9	1142.8	1176.1	1194.3	1206.4	1213.9	1218.5	1213.9
137.5°	925.1	1022.6	1109.8	1166.4	1210.6	1239.4	1260.0	1272.7	1280.5	1284.2	1280.5
140°	974.8	1068.6	1153.4	1212.4	1251.8	1280.5	1298.7	1313.8	1322.9	1322.9	1322.9
142.5°	1022.0	1114.7	1197.0	1256.0	1290.5	1316.9	1336.3	1347.8	1358.0	1358.0	1358.0
145°	1088.3	1180.6	1256.3	1315.4	1344.1	1368.3	1389.5	1398.6	1404.7	1404.7	1404.7
147.5°	1157.6	1239.4	1308.4	1365.0	1389.2	1417.7	1434.3	1441.6	1449.2	1445.8	1449.2
150°	1198.8	1274.5	1341.1	1394.1	1418.3	1445.5	1462.2	1468.2	1475.8	1471.3	1475.8
152.5°	1238.8	1310.8	1371.4	1420.7	1441.3	1468.5	1487.6	1493.7	1498.8	1495.5	1498.8
155°	1292.7	1356.2	1412.2	1457.6	1475.8	1501.5	1519.7	1527.3	1533.3	1525.8	1533.3
157.5°	1340.8	1395.6	1444.3	1486.1	1505.5	1527.6	1544.5	1553.9	1560.0	1556.6	1560.0
160°	1369.9	1419.8	1463.7	1503.1	1521.2	1540.9	1559.1	1569.7	1575.7	1571.2	1575.7
162.5°	1394.1	1439.2	1480.7	1516.4	1532.1	1549.4	1571.2	1580.6	1586.6	1580.9	1586.6
165°	1428.9	1465.2	1501.5	1531.8	1545.4	1559.1	1581.8	1592.4	1596.9	1590.8	1596.9
167.5°	1455.2	1483.1	1512.4	1538.5	1548.5	1561.8	1584.5	1593.3	1599.0	1591.5	1599.0
170°	1469.8	1494.0	1519.7	1540.9	1548.5	1560.6	1583.3	1590.8	1595.4	1587.8	1595.4
172.5°	1481.9	1500.0	1520.9	1539.7	1543.6	1553.3	1574.8	1582.4	1585.7	1579.3	1585.7
175°	1494.0	1504.6	1519.7	1531.8	1530.3	1536.4	1554.5	1560.6	1566.6	1557.5	1566.6
177.5°	1499.7	1504.6	1509.4	1516.7	1511.8	1511.8	1525.2	1528.8	1530.0	1525.2	1530.0
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2075.0	2073.5	2071.9	2075.4	2084.0	2087.1	2073.9	2060.6	2073.9	2087.1	2084.0
5°	2075.9	2072.8	2070.8	2074.2	2083.0	2085.4	2068.8	2052.3	2068.8	2085.4	2083.0
7.5°	2072.8	2068.2	2064.9	2067.5	2076.1	2078.3	2061.3	2044.4	2061.3	2078.3	2076.1
10°	2067.1	2061.8	2056.9	2058.4	2066.2	2068.4	2053.7	2039.1	2053.7	2068.4	2066.2
12.5°	2054.7	2048.3	2041.9	2042.2	2049.2	2051.0	2037.1	2023.3	2037.1	2051.0	2049.2
15°	2035.9	2028.1	2019.3	2016.9	2020.8	2020.6	2007.9	1995.2	2007.9	2020.6	2020.8
17.5°	2020.2	2009.5	1997.0	1991.0	1991.4	1987.8	1972.4	1957.0	1972.4	1987.8	1991.4
20°	2010.8	1996.7	1981.1	1972.3	1970.3	1964.2	1945.7	1927.2	1945.7	1964.2	1970.3
22.5°	2009.0	1987.3	1963.9	1950.4	1946.9	1938.9	1917.2	1895.5	1917.2	1938.9	1946.9
25°	2010.3	1978.4	1944.2	1920.3	1906.7	1891.1	1869.6	1848.1	1869.6	1891.1	1906.7
27.5°	1996.7	1962.9	1924.4	1890.9	1862.2	1835.4	1814.1	1792.8	1814.1	1835.4	1862.2
30°	1973.5	1938.9	1898.9	1861.8	1827.6	1796.9	1776.4	1755.9	1776.4	1796.9	1827.6
32.5°	1941.5	1904.9	1861.8	1822.0	1785.5	1752.8	1731.6	1710.3	1731.6	1752.8	1785.5
35°	1885.7	1849.6	1804.7	1760.3	1716.4	1678.4	1657.9	1637.4	1657.9	1678.4	1716.4
37.5°	1773.2	1754.2	1729.0	1691.9	1642.7	1600.0	1576.8	1553.6	1576.8	1600.0	1642.7
40°	1671.6	1671.1	1666.2	1640.3	1593.5	1550.8	1520.6	1490.4	1520.6	1550.8	1593.5
42.5°	1532.5	1561.0	1580.4	1573.6	1540.8	1506.6	1467.7	1428.9	1467.7	1506.6	1540.8
45°	1234.8	1318.4	1417.0	1459.9	1447.2	1426.2	1380.4	1334.5	1380.4	1426.2	1447.2
47.5°	1036.7	1123.8	1230.9	1295.9	1318.7	1324.5	1279.3	1234.0	1279.3	1324.5	1318.7
50°	926.5	1000.9	1091.6	1164.8	1220.4	1251.4	1208.4	1165.5	1208.4	1251.4	1220.4
52.5°	817.8	886.8	965.8	1042.8	1118.0	1164.7	1126.5	1088.2	1126.5	1164.7	1118.0
55°	636.0	714.8	807.5	892.4	969.4	1020.6	994.3	968.0	994.3	1020.6	969.4
57.5°	474.7	566.7	675.6	760.0	819.9	860.2	841.6	823.1	841.6	860.2	819.9
60°	392.2	477.8	585.1	665.6	719.2	755.8	741.2	726.5	741.2	755.8	719.2
62.5°	342.8	411.0	499.6	571.5	626.7	664.9	651.8	638.7	651.8	664.9	626.7
65°	293.9	335.1	389.7	445.8	503.4	543.4	530.7	518.0	530.7	543.4	503.4
67.5°	256.5	277.9	306.0	347.4	402.3	439.9	426.1	412.2	426.1	439.9	402.3
70°	230.0	242.2	257.8	291.4	343.1	378.3	363.6	349.0	363.6	378.3	343.1
72.5°	202.1	210.0	220.1	247.9	293.4	324.0	310.2	296.3	310.2	324.0	293.4
75°	162.2	166.1	171.0	190.0	223.2	245.3	234.6	223.9	234.6	245.3	223.2
77.5°	123.1	125.3	127.8	139.9	161.5	176.1	169.3	162.4	169.3	176.1	161.5
80°	98.5	99.5	100.5	108.3	122.9	133.2	130.2	127.3	130.2	133.2	122.9
82.5°	73.7	74.9	75.9	80.2	87.8	93.7	94.7	95.7	94.7	93.7	87.8
85°	32.2	35.9	39.8	42.7	44.6	46.6	48.5	50.5	48.5	46.6	44.6
87.5°	11.6	11.9	12.7	14.7	17.7	19.4	17.9	16.7	17.9	19.1	18.3
90°	31.8	30.3	30.3	28.8	24.2	18.2	10.6	4.5	10.6	16.7	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.7	28.8	40.9	58.7
95°	34.8	34.8	40.9	51.5	75.7	77.2	51.5	46.9	66.6	93.8	118.1
97.5°	94.1	112.0	137.4	142.3	134.7	100.5	96.3	89.6	122.0	148.9	188.0
100°	174.1	196.8	214.9	178.6	140.8	139.3	130.2	127.1	162.0	187.7	225.5
102.5°	272.2	279.1	216.1	195.6	186.8	180.4	166.5	164.7	199.5	234.9	266.7
105°	295.2	264.9	266.4	266.4	260.3	248.2	222.5	221.0	260.3	301.2	340.6
107.5°	347.2	351.8	359.6	357.8	350.9	318.5	288.2	281.2	316.7	365.7	409.0
110°	416.3	420.8	423.8	420.8	410.2	369.3	333.0	322.4	354.2	405.7	452.6



TEST NUMBER: P1428096

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.9	486.2	492.8	483.8	465.9	419.0	377.8	362.4	394.2	446.8	495.0
115°	588.8	588.8	590.3	585.8	549.5	501.0	446.5	423.8	451.1	499.5	552.5
117.5°	692.9	694.8	688.7	676.6	634.5	578.2	517.1	480.7	502.2	553.4	607.9
120°	758.3	761.4	755.3	737.1	696.3	632.7	563.1	520.7	537.3	587.3	641.8
122.5°	826.2	825.5	818.3	797.7	749.6	683.6	615.1	563.1	570.0	616.4	669.6
125°	920.3	918.8	912.7	888.5	838.6	770.4	690.2	626.7	617.6	656.9	711.4
127.5°	1009.9	1006.6	997.2	967.8	916.7	851.0	762.9	690.8	670.5	695.4	745.3
130°	1071.7	1067.1	1050.5	1018.7	968.7	906.7	817.4	735.6	706.9	722.0	765.9
132.5°	1131.0	1118.0	1103.8	1069.5	1023.2	958.7	868.2	782.9	743.2	749.9	784.1
135°	1206.4	1194.3	1176.1	1142.8	1098.9	1035.3	944.5	852.2	797.7	791.6	811.3
137.5°	1272.7	1260.0	1239.4	1210.6	1166.4	1109.8	1022.6	925.1	856.4	836.1	843.7
140°	1313.8	1298.7	1280.5	1251.8	1212.4	1153.4	1068.6	974.8	897.6	868.8	864.3
142.5°	1347.8	1336.3	1316.9	1290.5	1256.0	1197.0	1114.7	1022.0	940.0	902.7	892.1
145°	1398.6	1389.5	1368.3	1344.1	1315.4	1256.3	1180.6	1088.3	1006.6	958.1	935.4
147.5°	1441.6	1434.3	1417.7	1389.2	1365.0	1308.4	1239.4	1157.6	1073.8	1013.8	984.5
150°	1468.2	1462.2	1445.5	1418.3	1394.1	1341.1	1274.5	1198.8	1118.6	1055.0	1017.2
152.5°	1493.7	1487.6	1468.5	1441.3	1420.7	1371.4	1310.8	1238.8	1157.3	1093.8	1054.7
155°	1527.3	1519.7	1501.5	1475.8	1457.6	1412.2	1356.2	1292.7	1223.0	1156.4	1112.5
157.5°	1553.9	1544.5	1527.6	1505.5	1486.1	1444.3	1395.6	1340.8	1279.9	1216.4	1171.6
160°	1569.7	1559.1	1540.9	1521.2	1503.1	1463.7	1419.8	1369.9	1313.8	1256.3	1207.9
162.5°	1580.6	1571.2	1549.4	1532.1	1516.4	1480.7	1439.2	1394.1	1344.1	1293.9	1249.1
165°	1592.4	1581.8	1559.1	1545.4	1531.8	1501.5	1465.2	1428.9	1386.5	1345.6	1309.3
167.5°	1593.3	1584.5	1561.8	1548.5	1538.5	1512.4	1483.1	1455.2	1422.2	1390.1	1359.9
170°	1590.8	1583.3	1560.6	1548.5	1540.9	1519.7	1494.0	1469.8	1444.0	1416.8	1392.6
172.5°	1582.4	1574.8	1553.3	1543.6	1539.7	1520.9	1500.0	1481.9	1459.8	1439.8	1420.4
175°	1560.6	1554.5	1536.4	1530.3	1531.8	1519.7	1504.6	1494.0	1480.4	1468.2	1457.6
177.5°	1528.8	1525.2	1511.8	1511.8	1516.7	1509.4	1504.6	1499.7	1493.7	1490.0	1486.4
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1428096

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2075.4	2071.9	2073.5	2075.0	2076.6	2078.2	2076.6	2075.0	2073.5	2071.9	2075.4
5°	2074.2	2070.8	2072.8	2075.9	2082.7	2089.6	2082.7	2075.9	2072.8	2070.8	2074.2
7.5°	2067.5	2064.9	2068.2	2072.8	2081.2	2089.6	2081.2	2072.8	2068.2	2064.9	2067.5
10°	2058.4	2056.9	2061.8	2067.1	2074.0	2080.8	2074.0	2067.1	2061.8	2056.9	2058.4
12.5°	2042.2	2041.9	2048.3	2054.7	2060.7	2066.8	2060.7	2054.7	2048.3	2041.9	2042.2
15°	2016.9	2019.3	2028.1	2035.9	2040.8	2045.7	2040.8	2035.9	2028.1	2019.3	2016.9
17.5°	1991.0	1997.0	2009.5	2020.2	2025.2	2030.3	2025.2	2020.2	2009.5	1997.0	1991.0
20°	1972.3	1981.1	1996.7	2010.8	2020.6	2030.3	2020.6	2010.8	1996.7	1981.1	1972.3
22.5°	1950.4	1963.9	1987.3	2009.0	2025.8	2042.6	2025.8	2009.0	1987.3	1963.9	1950.4
25°	1920.3	1944.2	1978.4	2010.3	2035.7	2061.0	2035.7	2010.3	1978.4	1944.2	1920.3
27.5°	1890.9	1924.4	1962.9	1996.7	2016.8	2036.9	2016.8	1996.7	1962.9	1924.4	1890.9
30°	1861.8	1898.9	1938.9	1973.5	1992.0	2010.6	1992.0	1973.5	1938.9	1898.9	1861.8
32.5°	1822.0	1861.8	1904.9	1941.5	1958.5	1975.4	1958.5	1941.5	1904.9	1861.8	1822.0
35°	1760.3	1804.7	1849.6	1885.7	1895.4	1905.2	1895.4	1885.7	1849.6	1804.7	1760.3
37.5°	1691.9	1729.0	1754.2	1773.2	1773.8	1774.4	1773.8	1773.2	1754.2	1729.0	1691.9
40°	1640.3	1666.2	1671.1	1671.6	1658.9	1646.2	1658.9	1671.6	1671.1	1666.2	1640.3
42.5°	1573.6	1580.4	1561.0	1532.5	1476.1	1419.7	1476.1	1532.5	1561.0	1580.4	1573.6
45°	1459.9	1417.0	1318.4	1234.8	1195.8	1156.7	1195.8	1234.8	1318.4	1417.0	1459.9
47.5°	1295.9	1230.9	1123.8	1036.7	1009.8	982.9	1009.8	1036.7	1123.8	1230.9	1295.9
50°	1164.8	1091.6	1000.9	926.5	901.1	875.8	901.1	926.5	1000.9	1091.6	1164.8
52.5°	1042.8	965.8	886.8	817.8	779.2	740.6	779.2	817.8	886.8	965.8	1042.8
55°	892.4	807.5	714.8	636.0	599.0	561.9	599.0	636.0	714.8	807.5	892.4
57.5°	760.0	675.6	566.7	474.7	433.1	391.6	433.1	474.7	566.7	675.6	760.0
60°	665.6	585.1	477.8	392.2	371.7	351.2	371.7	392.2	477.8	585.1	665.6
62.5°	571.5	499.6	411.0	342.8	335.6	328.4	335.6	342.8	411.0	499.6	571.5
65°	445.8	389.7	335.1	293.9	292.9	291.9	292.9	293.9	335.1	389.7	445.8
67.5°	347.4	306.0	277.9	256.5	255.3	254.2	255.3	256.5	277.9	306.0	347.4
70°	291.4	257.8	242.2	230.0	228.0	226.1	228.0	230.0	242.2	257.8	291.4
72.5°	247.9	220.1	210.0	202.1	200.9	199.7	200.9	202.1	210.0	220.1	247.9
75°	190.0	171.0	166.1	162.2	161.2	160.2	161.2	162.2	166.1	171.0	190.0
77.5°	139.9	127.8	125.3	123.1	122.1	121.2	122.1	123.1	125.3	127.8	139.9
80°	108.3	100.5	99.5	98.5	97.6	96.6	97.6	98.5	99.5	100.5	108.3
82.5°	80.2	75.9	74.9	73.7	72.0	70.2	72.0	73.7	74.9	75.9	80.2
85°	42.7	39.8	35.9	32.2	29.3	26.3	29.3	32.2	35.9	39.8	42.7
87.5°	15.9	15.7	17.1	17.7	18.9	18.3	18.9	17.7	17.1	15.7	15.9
90°	34.8	45.4	56.0	62.1	68.1	65.1	68.1	62.1	56.0	45.4	34.8
92.5°	69.9	87.8	100.8	111.7	116.6	115.9	116.6	111.7	100.8	87.8	69.9
95°	140.8	162.0	183.2	198.3	207.4	204.3	207.4	198.3	183.2	162.0	140.8
97.5°	217.1	245.5	269.1	283.4	292.4	298.5	292.4	283.4	269.1	245.5	217.1
100°	267.9	295.2	322.4	339.1	354.2	360.2	354.2	339.1	322.4	295.2	267.9
102.5°	309.1	344.8	374.5	392.3	405.1	411.1	405.1	392.3	374.5	344.8	309.1
105°	376.9	414.7	446.5	469.2	482.9	487.4	482.9	469.2	446.5	414.7	376.9
107.5°	444.7	483.8	513.1	538.3	554.9	564.6	554.9	538.3	513.1	483.8	444.7
110°	498.0	529.8	561.6	584.3	600.9	607.0	600.9	584.3	561.6	529.8	498.0



TEST NUMBER: P1428096

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.8	578.2	610.0	632.7	651.8	660.3	651.8	632.7	610.0	578.2	542.8
115°	605.5	652.4	681.1	702.3	716.0	723.5	716.0	702.3	681.1	652.4	605.5
117.5°	657.5	706.6	738.1	754.4	760.8	766.2	760.8	754.4	738.1	706.6	657.5
120°	690.2	735.6	772.0	793.2	800.7	803.7	800.7	793.2	772.0	735.6	690.2
122.5°	720.5	763.5	798.6	824.6	837.0	840.1	837.0	824.6	798.6	763.5	720.5
125°	762.9	803.7	840.1	865.8	879.4	887.0	879.4	865.8	840.1	803.7	762.9
127.5°	799.8	844.0	877.3	900.6	913.9	920.0	913.9	900.6	877.3	844.0	799.8
130°	820.4	865.8	899.1	924.8	937.0	943.0	937.0	924.8	899.1	865.8	820.4
132.5°	836.1	884.0	918.5	941.8	955.1	961.2	955.1	941.8	918.5	884.0	836.1
135°	855.2	905.2	941.5	964.2	976.3	982.4	976.3	964.2	941.5	905.2	855.2
137.5°	871.9	917.3	955.1	979.0	989.9	993.9	989.9	979.0	955.1	917.3	871.9
140°	884.0	923.3	961.2	983.9	996.0	997.5	996.0	983.9	961.2	923.3	884.0
142.5°	899.7	930.6	963.6	986.3	998.4	1001.1	998.4	986.3	963.6	930.6	899.7
145°	927.9	946.0	968.7	989.9	1000.5	1003.6	1000.5	989.9	968.7	946.0	927.9
147.5°	963.3	969.0	980.8	994.8	1005.1	1007.2	1005.1	994.8	980.8	969.0	963.3
150°	989.9	988.4	993.0	1002.0	1011.1	1009.6	1011.1	1002.0	993.0	988.4	989.9
152.5°	1020.2	1011.4	1011.1	1015.4	1019.6	1019.3	1019.6	1015.4	1011.1	1011.4	1020.2
155°	1071.7	1055.0	1045.9	1042.9	1042.9	1041.4	1042.9	1042.9	1045.9	1055.0	1071.7
157.5°	1128.3	1105.0	1091.3	1084.1	1082.0	1078.6	1082.0	1084.1	1091.3	1105.0	1128.3
160°	1167.0	1141.3	1127.7	1115.6	1111.0	1106.5	1111.0	1115.6	1127.7	1141.3	1167.0
162.5°	1203.4	1178.8	1164.0	1153.1	1148.6	1141.6	1148.6	1153.1	1164.0	1178.8	1203.4
165°	1262.4	1236.7	1220.0	1210.9	1204.9	1198.8	1204.9	1210.9	1220.0	1236.7	1262.4
167.5°	1321.4	1293.3	1282.4	1272.1	1266.3	1255.4	1266.3	1272.1	1282.4	1293.3	1321.4
170°	1357.7	1332.0	1326.0	1316.9	1306.3	1294.2	1306.3	1316.9	1326.0	1332.0	1357.7
172.5°	1389.2	1372.0	1365.9	1356.8	1353.5	1343.8	1353.5	1356.8	1365.9	1372.0	1389.2
175°	1434.9	1421.3	1421.3	1419.8	1415.3	1406.2	1415.3	1419.8	1421.3	1421.3	1434.9
177.5°	1473.1	1465.8	1470.7	1470.7	1469.5	1461.0	1469.5	1470.7	1470.7	1465.8	1473.1
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1428096

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2076.4	2076.4	2076.4	2076.4
2.5°	2084.0	2087.1	2073.9	2060.6
5°	2083.0	2085.4	2068.8	2052.3
7.5°	2076.1	2078.3	2061.3	2044.4
10°	2066.2	2068.4	2053.7	2039.1
12.5°	2049.2	2051.0	2037.1	2023.3
15°	2020.8	2020.6	2007.9	1995.2
17.5°	1991.4	1987.8	1972.4	1957.0
20°	1970.3	1964.2	1945.7	1927.2
22.5°	1946.9	1938.9	1917.2	1895.5
25°	1906.7	1891.1	1869.6	1848.1
27.5°	1862.2	1835.4	1814.1	1792.8
30°	1827.6	1796.9	1776.4	1755.9
32.5°	1785.5	1752.8	1731.6	1710.3
35°	1716.4	1678.4	1657.9	1637.4
37.5°	1642.7	1600.0	1576.8	1553.6
40°	1593.5	1550.8	1520.6	1490.4
42.5°	1540.8	1506.6	1467.7	1428.9
45°	1447.2	1426.2	1380.4	1334.5
47.5°	1318.7	1324.5	1279.3	1234.0
50°	1220.4	1251.4	1208.4	1165.5
52.5°	1118.0	1164.7	1126.5	1088.2
55°	969.4	1020.6	994.3	968.0
57.5°	819.9	860.2	841.6	823.1
60°	719.2	755.8	741.2	726.5
62.5°	626.7	664.9	651.8	638.7
65°	503.4	543.4	530.7	518.0
67.5°	402.3	439.9	426.1	412.2
70°	343.1	378.3	363.6	349.0
72.5°	293.4	324.0	310.2	296.3
75°	223.2	245.3	234.6	223.9
77.5°	161.5	176.1	169.3	162.4
80°	122.9	133.2	130.2	127.3
82.5°	87.8	93.7	94.7	95.7
85°	44.6	46.6	48.5	50.5
87.5°	18.3	19.1	17.9	16.7
90°	27.2	16.7	10.6	4.5
92.5°	58.7	40.9	28.8	16.7
95°	118.1	93.8	66.6	46.9
97.5°	188.0	148.9	122.0	89.6
100°	225.5	187.7	162.0	127.1
102.5°	266.7	234.9	199.5	164.7
105°	340.6	301.2	260.3	221.0
107.5°	409.0	365.7	316.7	281.2
110°	452.6	405.7	354.2	322.4



TEST NUMBER: P1428096

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	495.0	446.8	394.2	362.4
115°	552.5	499.5	451.1	423.8
117.5°	607.9	553.4	502.2	480.7
120°	641.8	587.3	537.3	520.7
122.5°	669.6	616.4	570.0	563.1
125°	711.4	656.9	617.6	626.7
127.5°	745.3	695.4	670.5	690.8
130°	765.9	722.0	706.9	735.6
132.5°	784.1	749.9	743.2	782.9
135°	811.3	791.6	797.7	852.2
137.5°	843.7	836.1	856.4	925.1
140°	864.3	868.8	897.6	974.8
142.5°	892.1	902.7	940.0	1022.0
145°	935.4	958.1	1006.6	1088.3
147.5°	984.5	1013.8	1073.8	1157.6
150°	1017.2	1055.0	1118.6	1198.8
152.5°	1054.7	1093.8	1157.3	1238.8
155°	1112.5	1156.4	1223.0	1292.7
157.5°	1171.6	1216.4	1279.9	1340.8
160°	1207.9	1256.3	1313.8	1369.9
162.5°	1249.1	1293.9	1344.1	1394.1
165°	1309.3	1345.6	1386.5	1428.9
167.5°	1359.9	1390.1	1422.2	1455.2
170°	1392.6	1416.8	1444.0	1469.8
172.5°	1420.4	1439.8	1459.8	1481.9
175°	1457.6	1468.2	1480.4	1494.0
177.5°	1486.4	1490.0	1493.7	1499.7
180°	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1428096
 CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L835-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	20.06	20.93	20.99	21.87	23.08	15.83	16.70	16.76	17.64	18.85
	3H	21.13	21.90	22.06	22.85	24.08	17.15	17.92	18.08	18.87	20.10
	4H	21.50	22.23	22.45	23.18	24.42	17.70	18.43	18.65	19.39	20.63
	6H	21.69	22.36	22.65	23.32	24.57	18.07	18.74	19.03	19.70	20.95
	8H	21.75	22.39	22.72	23.37	24.62	18.20	18.84	19.17	19.81	21.06
	12H	21.77	22.38	22.75	23.35	24.63	18.23	18.84	19.21	19.81	21.09
4H	2H	20.18	20.92	21.14	21.87	23.11	16.75	17.48	17.70	18.43	19.67
	3H	21.48	22.09	22.45	23.07	24.32	18.17	18.78	19.14	19.76	21.01
	4H	21.99	22.54	22.96	23.52	24.80	18.79	19.34	19.77	20.32	21.60
	6H	22.30	22.78	23.29	23.78	25.06	19.24	19.71	20.23	20.71	21.99
	8H	22.41	22.86	23.40	23.85	25.14	19.41	19.85	20.40	20.84	22.14
	12H	22.46	22.86	23.47	23.87	25.17	19.46	19.86	20.47	20.87	22.16
8H	4H	22.01	22.45	23.00	23.44	24.74	19.10	19.54	20.09	20.54	21.83
	6H	22.42	22.79	23.43	23.82	25.11	19.66	20.03	20.67	21.06	22.35
	8H	22.60	22.92	23.62	23.95	25.26	19.91	20.23	20.93	21.25	22.56
	12H	22.70	22.98	23.72	24.00	25.35	20.01	20.29	21.03	21.31	22.67
12H	4H	21.97	22.37	22.98	23.38	24.67	19.11	19.51	20.12	20.52	21.82
	6H	22.41	22.74	23.44	23.76	25.07	19.73	20.05	20.75	21.07	22.38
	8H	22.61	22.89	23.63	23.91	25.27	20.00	20.29	21.03	21.30	22.66