

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: P1427833

Luminaire Tested: SQ2W-PH1-0U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427833  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PH1-0U-100D-L840-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE HEX LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT N/A - DIRECT ONLY  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

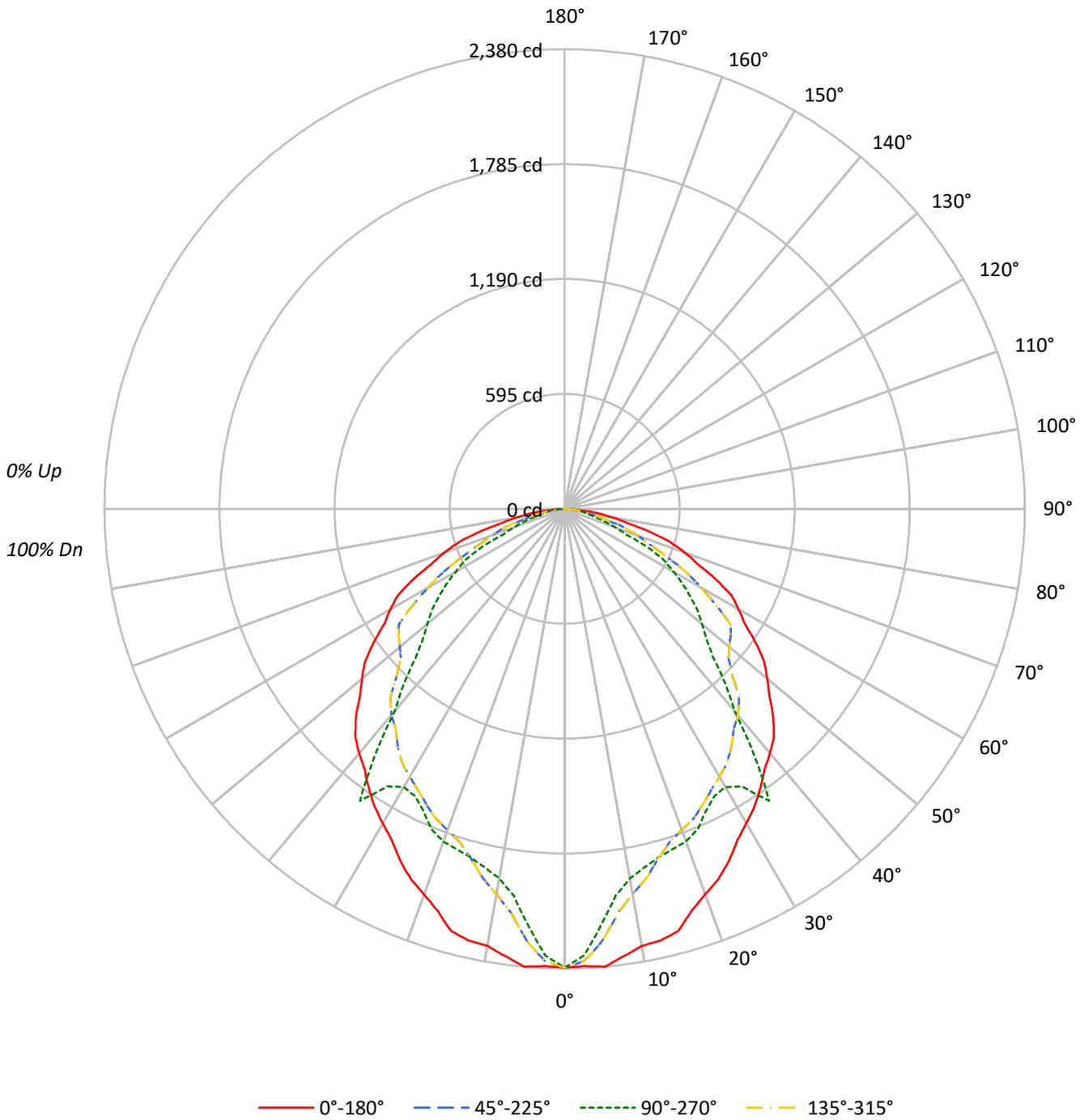
Lumens per Lamp: N/A  
Luminaire Lumens: 5252.8 lumens  
Efficiency: N/A  
Efficacy: 139.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 37.6  
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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CATALOG NUMBER: SQ2W-PH1-0U-100D-L840-UNV-STD-W-WM-4

### 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72				72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	55	64	59	55	53				53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46				46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40				40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36				36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32				32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29				29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26				26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	38357	38357	38357	38357
5°	38576	35059	38576	35059
10°	37688	31870	37688	31870
15°	37858	31246	37858	31246
20°	36506	31498	36506	31498
25°	35838	30764	35838	30764
30°	35061	31015	35061	31015
35°	34794	36355	34794	36355
40°	34825	28822	34825	28822
45°	34839	24824	34839	24824
50°	34349	23279	34349	23279
55°	33914	22333	33914	22333
60°	33576	20947	33576	20947
65°	32989	18219	32989	18219
70°	31156	13020	31156	13020
75°	27779	9869	27779	9869
80°	22696	9251	22696	9251
85°	14246	6280	14246	6280

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 34839 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.0	4.0
10°-20°	549.8	10.5
20°-30°	806.1	15.3
30°-40°	976.1	18.6
40°-50°	959.9	18.3
50°-60°	834.9	15.9
60°-70°	580.7	11.1
70°-80°	275.4	5.2
80°-90°	60.7	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1565.0	29.8
0°-40°	2541.1	48.4
0°-60°	4336.0	82.5
0°-90°	5252.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5252.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2376	2376	2376	2376	2376	
5°	2380	2163	2380	2163	2380	224
15°	2265	1869	2265	1869	2265	631
25°	2012	1727	2012	1727	2012	925
35°	1765	1844	1765	1844	1765	1106
45°	1526	1087	1526	1087	1526	1173
55°	1205	793	1205	793	1205	1076
65°	864	477	864	477	864	848
75°	445	158	445	158	445	472
85°	77	34	77	34	77	105
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7
2.5°	2370.2	2381.5	2392.7	2376.9	2351.9	2334.7	2325.0	2317.4	2315.8	2314.2	2315.8
5°	2380.2	2379.2	2378.2	2331.2	2268.9	2222.2	2191.1	2167.2	2165.2	2163.2	2165.2
7.5°	2336.8	2305.6	2274.5	2211.4	2137.7	2083.6	2049.3	2023.1	2021.5	2019.9	2021.5
10°	2298.8	2251.6	2204.4	2133.0	2053.7	1998.4	1967.3	1943.9	1943.9	1943.9	1943.9
12.5°	2289.8	2215.2	2140.7	2062.5	1983.1	1931.9	1908.8	1892.7	1897.5	1902.3	1897.5
15°	2264.9	2152.4	2039.9	1960.5	1892.2	1855.0	1849.0	1847.2	1858.3	1869.3	1858.3
17.5°	2182.6	2061.5	1940.3	1870.5	1817.9	1798.0	1810.9	1823.7	1836.6	1849.4	1836.6
20°	2124.7	2005.2	1885.7	1821.1	1774.9	1763.8	1788.0	1809.1	1821.1	1833.2	1821.1
22.5°	2075.9	1954.8	1833.6	1776.5	1740.7	1736.1	1762.6	1784.1	1790.6	1797.0	1790.6
25°	2011.7	1875.1	1738.5	1696.8	1686.7	1693.3	1716.4	1733.0	1729.9	1726.9	1729.9
27.5°	1934.9	1792.2	1649.6	1622.8	1634.7	1647.6	1661.7	1672.7	1674.5	1676.3	1674.5
30°	1880.6	1738.0	1595.3	1574.0	1593.1	1609.6	1623.7	1637.5	1650.6	1663.6	1650.6
32.5°	1828.2	1680.7	1533.2	1517.9	1546.6	1577.7	1611.0	1643.5	1673.5	1703.4	1673.5
35°	1765.3	1611.6	1457.9	1445.9	1481.0	1526.3	1581.5	1647.6	1746.0	1844.5	1746.0
37.5°	1699.3	1534.6	1369.8	1364.4	1412.0	1459.6	1507.2	1550.8	1582.1	1613.5	1582.1
40°	1652.3	1479.5	1306.7	1306.5	1363.8	1423.0	1484.3	1512.2	1439.9	1367.5	1439.9
42.5°	1601.7	1428.9	1256.1	1251.0	1301.9	1367.2	1446.9	1476.2	1354.1	1231.9	1354.1
45°	1525.8	1345.9	1166.1	1159.6	1210.8	1247.0	1268.1	1262.0	1174.6	1087.2	1174.6
47.5°	1436.2	1264.9	1093.5	1092.1	1147.3	1151.3	1104.1	1060.2	1026.0	991.9	1026.0
50°	1367.5	1205.8	1044.0	1051.1	1114.4	1108.3	1033.0	971.0	948.9	926.8	948.9
52.5°	1300.6	1146.9	993.2	1011.9	1088.0	1076.0	975.7	896.8	881.9	867.1	881.9
55°	1204.8	1057.1	909.4	951.6	1057.1	1041.0	903.4	799.4	796.4	793.4	796.4
57.5°	1103.1	963.4	823.8	853.1	938.7	921.8	802.4	714.2	719.5	724.7	719.5
60°	1039.8	904.1	768.5	772.3	822.5	806.5	724.1	660.8	654.8	648.7	654.8
62.5°	972.9	843.7	714.5	695.7	713.8	694.9	639.1	595.7	589.7	583.6	589.7
65°	863.5	745.9	628.4	593.0	584.9	557.8	511.6	476.9	476.9	476.9	476.9
67.5°	743.2	640.7	538.3	498.6	480.0	453.0	417.9	385.5	361.4	337.2	361.4
70°	660.0	569.6	479.2	437.8	412.6	380.5	341.3	307.9	291.8	275.8	291.8
72.5°	571.4	493.9	416.3	373.9	343.1	311.8	279.8	251.3	232.8	214.3	232.8
75°	445.3	383.0	320.7	279.5	245.4	213.7	184.6	162.2	160.2	158.2	160.2
77.5°	321.9	276.5	231.1	197.7	168.4	146.4	131.7	120.8	121.0	121.2	121.0
80°	244.1	210.0	175.8	144.7	114.5	99.0	97.9	97.4	98.5	99.5	98.5
82.5°	171.8	146.5	121.2	101.3	83.2	74.8	76.2	77.4	77.6	77.8	77.6
85°	76.9	64.8	52.7	48.2	46.2	43.2	39.2	35.9	34.9	33.9	34.9
87.5°	16.3	15.5	14.7	12.7	10.2	9.0	9.0	9.0	9.0	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7
2.5°	2317.4	2325.0	2334.7	2351.9	2376.9	2392.7	2381.5	2370.2	2381.5	2392.7	2376.9
5°	2167.2	2191.1	2222.2	2268.9	2331.2	2378.2	2379.2	2380.2	2379.2	2378.2	2331.2
7.5°	2023.1	2049.3	2083.6	2137.7	2211.4	2274.5	2305.6	2336.8	2305.6	2274.5	2211.4
10°	1943.9	1967.3	1998.4	2053.7	2133.0	2204.4	2251.6	2298.8	2251.6	2204.4	2133.0
12.5°	1892.7	1908.8	1931.9	1983.1	2062.5	2140.7	2215.2	2289.8	2215.2	2140.7	2062.5
15°	1847.2	1849.0	1855.0	1892.2	1960.5	2039.9	2152.4	2264.9	2152.4	2039.9	1960.5
17.5°	1823.7	1810.9	1798.0	1817.9	1870.5	1940.3	2061.5	2182.6	2061.5	1940.3	1870.5
20°	1809.1	1788.0	1763.8	1774.9	1821.1	1885.7	2005.2	2124.7	2005.2	1885.7	1821.1
22.5°	1784.1	1762.6	1736.1	1740.7	1776.5	1833.6	1954.8	2075.9	1954.8	1833.6	1776.5
25°	1733.0	1716.4	1693.3	1686.7	1696.8	1738.5	1875.1	2011.7	1875.1	1738.5	1696.8
27.5°	1672.7	1661.7	1647.6	1634.7	1622.8	1649.6	1792.2	1934.9	1792.2	1649.6	1622.8
30°	1637.5	1623.7	1609.6	1593.1	1574.0	1595.3	1738.0	1880.6	1738.0	1595.3	1574.0
32.5°	1643.5	1611.0	1577.7	1546.6	1517.9	1533.2	1680.7	1828.2	1680.7	1533.2	1517.9
35°	1647.6	1581.5	1526.3	1481.0	1445.9	1457.9	1611.6	1765.3	1611.6	1457.9	1445.9
37.5°	1550.8	1507.2	1459.6	1412.0	1364.4	1369.8	1534.6	1699.3	1534.6	1369.8	1364.4
40°	1512.2	1484.3	1423.0	1363.8	1306.5	1306.7	1479.5	1652.3	1479.5	1306.7	1306.5
42.5°	1476.2	1446.9	1367.2	1301.9	1251.0	1256.1	1428.9	1601.7	1428.9	1256.1	1251.0
45°	1262.0	1268.1	1247.0	1210.8	1159.6	1166.1	1345.9	1525.8	1345.9	1166.1	1159.6
47.5°	1060.2	1104.1	1151.3	1147.3	1092.1	1093.5	1264.9	1436.2	1264.9	1093.5	1092.1
50°	971.0	1033.0	1108.3	1114.4	1051.1	1044.0	1205.8	1367.5	1205.8	1044.0	1051.1
52.5°	896.8	975.7	1076.0	1088.0	1011.9	993.2	1146.9	1300.6	1146.9	993.2	1011.9
55°	799.4	903.4	1041.0	1057.1	951.6	909.4	1057.1	1204.8	1057.1	909.4	951.6
57.5°	714.2	802.4	921.8	938.7	853.1	823.8	963.4	1103.1	963.4	823.8	853.1
60°	660.8	724.1	806.5	822.5	772.3	768.5	904.1	1039.8	904.1	768.5	772.3
62.5°	595.7	639.1	694.9	713.8	695.7	714.5	843.7	972.9	843.7	714.5	695.7
65°	476.9	511.6	557.8	584.9	593.0	628.4	745.9	863.5	745.9	628.4	593.0
67.5°	385.5	417.9	453.0	480.0	498.6	538.3	640.7	743.2	640.7	538.3	498.6
70°	307.9	341.3	380.5	412.6	437.8	479.2	569.6	660.0	569.6	479.2	437.8
72.5°	251.3	279.8	311.8	343.1	373.9	416.3	493.9	571.4	493.9	416.3	373.9
75°	162.2	184.6	213.7	245.4	279.5	320.7	383.0	445.3	383.0	320.7	279.5
77.5°	120.8	131.7	146.4	168.4	197.7	231.1	276.5	321.9	276.5	231.1	197.7
80°	97.4	97.9	99.0	114.5	144.7	175.8	210.0	244.1	210.0	175.8	144.7
82.5°	77.4	76.2	74.8	83.2	101.3	121.2	146.5	171.8	146.5	121.2	101.3
85°	35.9	39.2	43.2	46.2	48.2	52.7	64.8	76.9	64.8	52.7	48.2
87.5°	9.0	9.0	9.0	10.2	12.7	14.7	15.5	16.3	15.5	14.7	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7
2.5°	2351.9	2334.7	2325.0	2317.4	2315.8	2314.2	2315.8	2317.4	2325.0	2334.7	2351.9
5°	2268.9	2222.2	2191.1	2167.2	2165.2	2163.2	2165.2	2167.2	2191.1	2222.2	2268.9
7.5°	2137.7	2083.6	2049.3	2023.1	2021.5	2019.9	2021.5	2023.1	2049.3	2083.6	2137.7
10°	2053.7	1998.4	1967.3	1943.9	1943.9	1943.9	1943.9	1943.9	1967.3	1998.4	2053.7
12.5°	1983.1	1931.9	1908.8	1892.7	1897.5	1902.3	1897.5	1892.7	1908.8	1931.9	1983.1
15°	1892.2	1855.0	1849.0	1847.2	1858.3	1869.3	1858.3	1847.2	1849.0	1855.0	1892.2
17.5°	1817.9	1798.0	1810.9	1823.7	1836.6	1849.4	1836.6	1823.7	1810.9	1798.0	1817.9
20°	1774.9	1763.8	1788.0	1809.1	1821.1	1833.2	1821.1	1809.1	1788.0	1763.8	1774.9
22.5°	1740.7	1736.1	1762.6	1784.1	1790.6	1797.0	1790.6	1784.1	1762.6	1736.1	1740.7
25°	1686.7	1693.3	1716.4	1733.0	1729.9	1726.9	1729.9	1733.0	1716.4	1693.3	1686.7
27.5°	1634.7	1647.6	1661.7	1672.7	1674.5	1676.3	1674.5	1672.7	1661.7	1647.6	1634.7
30°	1593.1	1609.6	1623.7	1637.5	1650.6	1663.6	1650.6	1637.5	1623.7	1609.6	1593.1
32.5°	1546.6	1577.7	1611.0	1643.5	1673.5	1703.4	1673.5	1643.5	1611.0	1577.7	1546.6
35°	1481.0	1526.3	1581.5	1647.6	1746.0	1844.5	1746.0	1647.6	1581.5	1526.3	1481.0
37.5°	1412.0	1459.6	1507.2	1550.8	1582.1	1613.5	1582.1	1550.8	1507.2	1459.6	1412.0
40°	1363.8	1423.0	1484.3	1512.2	1439.9	1367.5	1439.9	1512.2	1484.3	1423.0	1363.8
42.5°	1301.9	1367.2	1446.9	1476.2	1354.1	1231.9	1354.1	1476.2	1446.9	1367.2	1301.9
45°	1210.8	1247.0	1268.1	1262.0	1174.6	1087.2	1174.6	1262.0	1268.1	1247.0	1210.8
47.5°	1147.3	1151.3	1104.1	1060.2	1026.0	991.9	1026.0	1060.2	1104.1	1151.3	1147.3
50°	1114.4	1108.3	1033.0	971.0	948.9	926.8	948.9	971.0	1033.0	1108.3	1114.4
52.5°	1088.0	1076.0	975.7	896.8	881.9	867.1	881.9	896.8	975.7	1076.0	1088.0
55°	1057.1	1041.0	903.4	799.4	796.4	793.4	796.4	799.4	903.4	1041.0	1057.1
57.5°	938.7	921.8	802.4	714.2	719.5	724.7	719.5	714.2	802.4	921.8	938.7
60°	822.5	806.5	724.1	660.8	654.8	648.7	654.8	660.8	724.1	806.5	822.5
62.5°	713.8	694.9	639.1	595.7	589.7	583.6	589.7	595.7	639.1	694.9	713.8
65°	584.9	557.8	511.6	476.9	476.9	476.9	476.9	476.9	511.6	557.8	584.9
67.5°	480.0	453.0	417.9	385.5	361.4	337.2	361.4	385.5	417.9	453.0	480.0
70°	412.6	380.5	341.3	307.9	291.8	275.8	291.8	307.9	341.3	380.5	412.6
72.5°	343.1	311.8	279.8	251.3	232.8	214.3	232.8	251.3	279.8	311.8	343.1
75°	245.4	213.7	184.6	162.2	160.2	158.2	160.2	162.2	184.6	213.7	245.4
77.5°	168.4	146.4	131.7	120.8	121.0	121.2	121.0	120.8	131.7	146.4	168.4
80°	114.5	99.0	97.9	97.4	98.5	99.5	98.5	97.4	97.9	99.0	114.5
82.5°	83.2	74.8	76.2	77.4	77.6	77.8	77.6	77.4	76.2	74.8	83.2
85°	46.2	43.2	39.2	35.9	34.9	33.9	34.9	35.9	39.2	43.2	46.2
87.5°	10.2	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1427833

CATALOG NUMBER: SQ2W-PH1-0U-100D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2375.7	2375.7	2375.7	2375.7
2.5°	2376.9	2392.7	2381.5	2370.2
5°	2331.2	2378.2	2379.2	2380.2
7.5°	2211.4	2274.5	2305.6	2336.8
10°	2133.0	2204.4	2251.6	2298.8
12.5°	2062.5	2140.7	2215.2	2289.8
15°	1960.5	2039.9	2152.4	2264.9
17.5°	1870.5	1940.3	2061.5	2182.6
20°	1821.1	1885.7	2005.2	2124.7
22.5°	1776.5	1833.6	1954.8	2075.9
25°	1696.8	1738.5	1875.1	2011.7
27.5°	1622.8	1649.6	1792.2	1934.9
30°	1574.0	1595.3	1738.0	1880.6
32.5°	1517.9	1533.2	1680.7	1828.2
35°	1445.9	1457.9	1611.6	1765.3
37.5°	1364.4	1369.8	1534.6	1699.3
40°	1306.5	1306.7	1479.5	1652.3
42.5°	1251.0	1256.1	1428.9	1601.7
45°	1159.6	1166.1	1345.9	1525.8
47.5°	1092.1	1093.5	1264.9	1436.2
50°	1051.1	1044.0	1205.8	1367.5
52.5°	1011.9	993.2	1146.9	1300.6
55°	951.6	909.4	1057.1	1204.8
57.5°	853.1	823.8	963.4	1103.1
60°	772.3	768.5	904.1	1039.8
62.5°	695.7	714.5	843.7	972.9
65°	593.0	628.4	745.9	863.5
67.5°	498.6	538.3	640.7	743.2
70°	437.8	479.2	569.6	660.0
72.5°	373.9	416.3	493.9	571.4
75°	279.5	320.7	383.0	445.3
77.5°	197.7	231.1	276.5	321.9
80°	144.7	175.8	210.0	244.1
82.5°	101.3	121.2	146.5	171.8
85°	48.2	52.7	64.8	76.9
87.5°	12.7	14.7	15.5	16.3
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1427833  
 CATALOG NUMBER: SQ2W-PH1-0U-100D-L840-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	23.39	24.98	23.76	25.30	25.61	22.22	23.81	22.58	24.12	24.44
	3H	25.62	27.05	26.00	27.38	27.74	23.32	24.75	23.70	25.08	25.44
	4H	26.46	27.81	26.86	28.16	28.53	23.60	24.94	24.00	25.29	25.67
	6H	26.97	28.21	27.38	28.58	28.97	23.78	25.02	24.19	25.39	25.78
	8H	27.14	28.33	27.56	28.71	29.11	23.85	25.04	24.28	25.43	25.83
	12H	27.22	28.36	27.65	28.74	29.17	23.89	25.02	24.32	25.41	25.84
4H	2H	23.91	25.26	24.31	25.60	25.98	22.99	24.33	23.39	24.68	25.06
	3H	26.23	27.35	26.64	27.75	28.15	24.28	25.40	24.69	25.80	26.20
	4H	27.13	28.14	27.56	28.55	28.99	24.60	25.61	25.04	26.03	26.46
	6H	27.73	28.61	28.19	29.05	29.51	24.84	25.72	25.30	26.16	26.62
	8H	27.95	28.77	28.41	29.21	29.68	24.95	25.77	25.41	26.21	26.68
	12H	28.07	28.80	28.55	29.28	29.75	25.01	25.74	25.49	26.22	26.69
8H	4H	27.21	28.03	27.67	28.47	28.94	24.89	25.71	25.35	26.15	26.62
	6H	27.87	28.55	28.36	29.04	29.51	25.19	25.86	25.68	26.35	26.83
	8H	28.14	28.74	28.65	29.25	29.74	25.34	25.95	25.85	26.45	26.94
	12H	28.30	28.84	28.81	29.33	29.89	25.44	25.97	25.94	26.46	27.03
12H	4H	27.19	27.93	27.68	28.41	28.88	24.92	25.65	25.40	26.13	26.60
	6H	27.85	28.46	28.36	28.97	29.45	25.23	25.83	25.74	26.34	26.83
	8H	28.15	28.69	28.66	29.18	29.74	25.42	25.96	25.93	26.45	27.01