

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: P1427832

Luminaire Tested: SQ2W-PH1-0U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427832  
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-L835-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: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

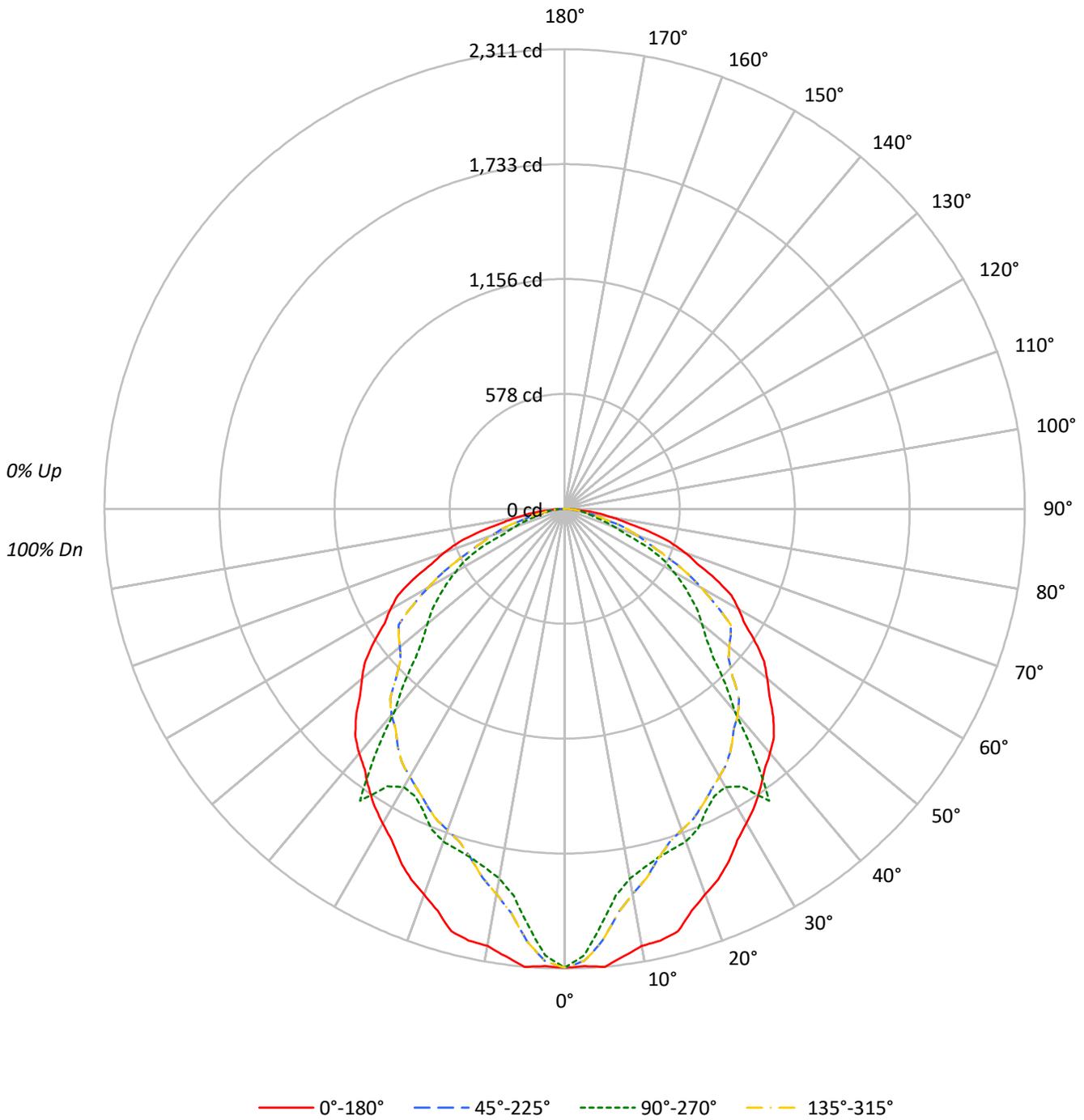
Lumens per Lamp: N/A  
Luminaire Lumens: 5100.7 lumens  
Efficiency: N/A  
Efficacy: 135.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 37.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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-L835-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				
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72				
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61				
4	84	72	64	57	82	71	63	57	69	62	56	66	60	55	64	59	55	53				
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46				
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40				
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36				
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32				
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29				
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26				

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

	0°	90°	180°	270°
0°	37246	37246	37246	37246
5°	37460	34045	37460	34045
10°	36596	30946	36596	30946
15°	36762	30341	36762	30341
20°	35449	30585	35449	30585
25°	34801	29873	34801	29873
30°	34046	30118	34046	30118
35°	33787	35303	33787	35303
40°	33817	27988	33817	27988
45°	33830	24107	33830	24107
50°	33354	22604	33354	22604
55°	32931	21686	32931	21686
60°	32604	20340	32604	20340
65°	32034	17692	32034	17692
70°	30255	12642	30255	12642
75°	26974	9582	26974	9582
80°	22045	8982	22045	8982
85°	13820	6095	13820	6095

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 33830 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.0	4.0
10°-20°	533.9	10.5
20°-30°	782.8	15.3
30°-40°	947.9	18.6
40°-50°	932.1	18.3
50°-60°	810.8	15.9
60°-70°	563.9	11.1
70°-80°	267.4	5.2
80°-90°	59.0	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°	1519.7	29.8
0°-40°	2467.6	48.4
0°-60°	4210.4	82.5
0°-90°	5100.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5100.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2307	2307	2307	2307	2307	
5°	2311	2101	2311	2101	2311	217
15°	2199	1815	2199	1815	2199	613
25°	1954	1677	1954	1677	1954	898
35°	1714	1791	1714	1791	1714	1074
45°	1482	1056	1482	1056	1482	1139
55°	1170	770	1170	770	1170	1045
65°	838	463	838	463	838	824
75°	432	154	432	154	432	458
85°	75	33	75	33	75	102
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°	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9
2.5°	2301.6	2312.5	2323.5	2308.0	2283.9	2267.1	2257.7	2250.3	2248.7	2247.2	2248.7
5°	2311.3	2310.3	2309.3	2263.7	2203.2	2157.9	2127.6	2104.5	2102.5	2100.6	2102.5
7.5°	2269.1	2238.9	2208.6	2147.4	2075.8	2023.3	1989.9	1964.5	1963.0	1961.4	1963.0
10°	2232.2	2186.4	2140.5	2071.3	1994.2	1940.6	1910.3	1887.6	1887.6	1887.6	1887.6
12.5°	2223.5	2151.1	2078.7	2002.8	1925.7	1876.0	1853.5	1837.9	1842.6	1847.3	1842.6
15°	2199.3	2090.1	1980.8	1903.7	1837.4	1801.3	1795.5	1793.7	1804.5	1815.2	1804.5
17.5°	2119.4	2001.8	1884.1	1816.4	1765.3	1745.9	1758.4	1770.9	1783.4	1795.9	1783.4
20°	2063.2	1947.2	1831.1	1768.4	1723.5	1712.8	1736.2	1756.7	1768.4	1780.1	1768.4
22.5°	2015.8	1898.2	1780.5	1725.1	1690.3	1685.9	1711.6	1732.5	1738.7	1745.0	1738.7
25°	1953.5	1820.8	1688.1	1647.7	1637.9	1644.3	1666.7	1682.8	1679.9	1676.9	1679.9
27.5°	1878.9	1740.3	1601.8	1575.8	1587.3	1599.9	1613.6	1624.3	1626.0	1627.8	1626.0
30°	1826.2	1687.7	1549.1	1528.4	1546.9	1563.0	1576.7	1590.1	1602.8	1615.5	1602.8
32.5°	1775.3	1632.1	1488.8	1474.0	1501.9	1532.0	1564.4	1596.0	1625.0	1654.1	1625.0
35°	1714.2	1565.0	1415.7	1404.0	1438.2	1482.1	1535.7	1599.9	1695.5	1791.1	1695.5
37.5°	1650.2	1490.2	1330.2	1324.9	1371.1	1417.3	1463.6	1505.9	1536.3	1566.7	1536.3
40°	1604.5	1436.7	1268.9	1268.7	1324.3	1381.8	1441.3	1468.4	1398.2	1327.9	1398.2
42.5°	1555.3	1387.5	1219.7	1214.8	1264.2	1327.6	1405.1	1433.5	1314.9	1196.2	1314.9
45°	1481.6	1307.0	1132.3	1126.0	1175.8	1210.9	1231.4	1225.5	1140.6	1055.8	1140.6
47.5°	1394.7	1228.2	1061.8	1060.4	1114.1	1118.0	1072.2	1029.5	996.3	963.1	996.3
50°	1327.9	1170.9	1013.8	1020.6	1082.1	1076.2	1003.1	942.8	921.4	899.9	921.4
52.5°	1263.0	1113.7	964.5	982.6	1056.5	1044.8	947.5	870.9	856.4	842.0	856.4
55°	1169.9	1026.5	883.1	924.1	1026.5	1010.9	877.2	776.3	773.3	770.4	773.3
57.5°	1071.1	935.5	799.9	828.4	911.5	895.1	779.2	693.6	698.6	703.7	698.6
60°	1009.7	878.0	746.3	749.9	798.7	783.1	703.1	641.7	635.8	629.9	635.8
62.5°	944.7	819.2	693.8	675.6	693.2	674.8	620.6	578.4	572.6	566.7	572.6
65°	838.5	724.3	610.2	575.8	568.0	541.7	496.8	463.1	463.1	463.1	463.1
67.5°	721.7	622.2	522.7	484.2	466.1	439.9	405.8	374.3	350.9	327.5	350.9
70°	640.9	553.1	465.3	425.1	400.7	369.5	331.4	299.0	283.4	267.8	283.4
72.5°	554.9	479.6	404.3	363.0	333.2	302.8	271.7	244.0	226.0	208.1	226.0
75°	432.4	371.9	311.4	271.4	238.3	207.5	179.3	157.5	155.6	153.6	155.6
77.5°	312.6	268.5	224.4	192.0	163.5	142.1	127.9	117.3	117.5	117.6	117.5
80°	237.1	203.9	170.7	140.5	111.2	96.1	95.1	94.6	95.6	96.6	95.6
82.5°	166.8	142.2	117.6	98.3	80.8	72.7	74.0	75.1	75.3	75.5	75.3
85°	74.6	62.9	51.2	46.8	44.9	41.9	38.0	34.9	33.9	32.9	33.9
87.5°	15.8	15.0	14.2	12.3	10.0	8.8	8.8	8.8	8.8	8.8	8.8
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°	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9
2.5°	2250.3	2257.7	2267.1	2283.9	2308.0	2323.5	2312.5	2301.6	2312.5	2323.5	2308.0
5°	2104.5	2127.6	2157.9	2203.2	2263.7	2309.3	2310.3	2311.3	2310.3	2309.3	2263.7
7.5°	1964.5	1989.9	2023.3	2075.8	2147.4	2208.6	2238.9	2269.1	2238.9	2208.6	2147.4
10°	1887.6	1910.3	1940.6	1994.2	2071.3	2140.5	2186.4	2232.2	2186.4	2140.5	2071.3
12.5°	1837.9	1853.5	1876.0	1925.7	2002.8	2078.7	2151.1	2223.5	2151.1	2078.7	2002.8
15°	1793.7	1795.5	1801.3	1837.4	1903.7	1980.8	2090.1	2199.3	2090.1	1980.8	1903.7
17.5°	1770.9	1758.4	1745.9	1765.3	1816.4	1884.1	2001.8	2119.4	2001.8	1884.1	1816.4
20°	1756.7	1736.2	1712.8	1723.5	1768.4	1831.1	1947.2	2063.2	1947.2	1831.1	1768.4
22.5°	1732.5	1711.6	1685.9	1690.3	1725.1	1780.5	1898.2	2015.8	1898.2	1780.5	1725.1
25°	1682.8	1666.7	1644.3	1637.9	1647.7	1688.1	1820.8	1953.5	1820.8	1688.1	1647.7
27.5°	1624.3	1613.6	1599.9	1587.3	1575.8	1601.8	1740.3	1878.9	1740.3	1601.8	1575.8
30°	1590.1	1576.7	1563.0	1546.9	1528.4	1549.1	1687.7	1826.2	1687.7	1549.1	1528.4
32.5°	1596.0	1564.4	1532.0	1501.9	1474.0	1488.8	1632.1	1775.3	1632.1	1488.8	1474.0
35°	1599.9	1535.7	1482.1	1438.2	1404.0	1415.7	1565.0	1714.2	1565.0	1415.7	1404.0
37.5°	1505.9	1463.6	1417.3	1371.1	1324.9	1330.2	1490.2	1650.2	1490.2	1330.2	1324.9
40°	1468.4	1441.3	1381.8	1324.3	1268.7	1268.9	1436.7	1604.5	1436.7	1268.9	1268.7
42.5°	1433.5	1405.1	1327.6	1264.2	1214.8	1219.7	1387.5	1555.3	1387.5	1219.7	1214.8
45°	1225.5	1231.4	1210.9	1175.8	1126.0	1132.3	1307.0	1481.6	1307.0	1132.3	1126.0
47.5°	1029.5	1072.2	1118.0	1114.1	1060.4	1061.8	1228.2	1394.7	1228.2	1061.8	1060.4
50°	942.8	1003.1	1076.2	1082.1	1020.6	1013.8	1170.9	1327.9	1170.9	1013.8	1020.6
52.5°	870.9	947.5	1044.8	1056.5	982.6	964.5	1113.7	1263.0	1113.7	964.5	982.6
55°	776.3	877.2	1010.9	1026.5	924.1	883.1	1026.5	1169.9	1026.5	883.1	924.1
57.5°	693.6	779.2	895.1	911.5	828.4	799.9	935.5	1071.1	935.5	799.9	828.4
60°	641.7	703.1	783.1	798.7	749.9	746.3	878.0	1009.7	878.0	746.3	749.9
62.5°	578.4	620.6	674.8	693.2	675.6	693.8	819.2	944.7	819.2	693.8	675.6
65°	463.1	496.8	541.7	568.0	575.8	610.2	724.3	838.5	724.3	610.2	575.8
67.5°	374.3	405.8	439.9	466.1	484.2	522.7	622.2	721.7	622.2	522.7	484.2
70°	299.0	331.4	369.5	400.7	425.1	465.3	553.1	640.9	553.1	465.3	425.1
72.5°	244.0	271.7	302.8	333.2	363.0	404.3	479.6	554.9	479.6	404.3	363.0
75°	157.5	179.3	207.5	238.3	271.4	311.4	371.9	432.4	371.9	311.4	271.4
77.5°	117.3	127.9	142.1	163.5	192.0	224.4	268.5	312.6	268.5	224.4	192.0
80°	94.6	95.1	96.1	111.2	140.5	170.7	203.9	237.1	203.9	170.7	140.5
82.5°	75.1	74.0	72.7	80.8	98.3	117.6	142.2	166.8	142.2	117.6	98.3
85°	34.9	38.0	41.9	44.9	46.8	51.2	62.9	74.6	62.9	51.2	46.8
87.5°	8.8	8.8	8.8	10.0	12.3	14.2	15.0	15.8	15.0	14.2	12.3
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°	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9
2.5°	2283.9	2267.1	2257.7	2250.3	2248.7	2247.2	2248.7	2250.3	2257.7	2267.1	2283.9
5°	2203.2	2157.9	2127.6	2104.5	2102.5	2100.6	2102.5	2104.5	2127.6	2157.9	2203.2
7.5°	2075.8	2023.3	1989.9	1964.5	1963.0	1961.4	1963.0	1964.5	1989.9	2023.3	2075.8
10°	1994.2	1940.6	1910.3	1887.6	1887.6	1887.6	1887.6	1887.6	1910.3	1940.6	1994.2
12.5°	1925.7	1876.0	1853.5	1837.9	1842.6	1847.3	1842.6	1837.9	1853.5	1876.0	1925.7
15°	1837.4	1801.3	1795.5	1793.7	1804.5	1815.2	1804.5	1793.7	1795.5	1801.3	1837.4
17.5°	1765.3	1745.9	1758.4	1770.9	1783.4	1795.9	1783.4	1770.9	1758.4	1745.9	1765.3
20°	1723.5	1712.8	1736.2	1756.7	1768.4	1780.1	1768.4	1756.7	1736.2	1712.8	1723.5
22.5°	1690.3	1685.9	1711.6	1732.5	1738.7	1745.0	1738.7	1732.5	1711.6	1685.9	1690.3
25°	1637.9	1644.3	1666.7	1682.8	1679.9	1676.9	1679.9	1682.8	1666.7	1644.3	1637.9
27.5°	1587.3	1599.9	1613.6	1624.3	1626.0	1627.8	1626.0	1624.3	1613.6	1599.9	1587.3
30°	1546.9	1563.0	1576.7	1590.1	1602.8	1615.5	1602.8	1590.1	1576.7	1563.0	1546.9
32.5°	1501.9	1532.0	1564.4	1596.0	1625.0	1654.1	1625.0	1596.0	1564.4	1532.0	1501.9
35°	1438.2	1482.1	1535.7	1599.9	1695.5	1791.1	1695.5	1599.9	1535.7	1482.1	1438.2
37.5°	1371.1	1417.3	1463.6	1505.9	1536.3	1566.7	1536.3	1505.9	1463.6	1417.3	1371.1
40°	1324.3	1381.8	1441.3	1468.4	1398.2	1327.9	1398.2	1468.4	1441.3	1381.8	1324.3
42.5°	1264.2	1327.6	1405.1	1433.5	1314.9	1196.2	1314.9	1433.5	1405.1	1327.6	1264.2
45°	1175.8	1210.9	1231.4	1225.5	1140.6	1055.8	1140.6	1225.5	1231.4	1210.9	1175.8
47.5°	1114.1	1118.0	1072.2	1029.5	996.3	963.1	996.3	1029.5	1072.2	1118.0	1114.1
50°	1082.1	1076.2	1003.1	942.8	921.4	899.9	921.4	942.8	1003.1	1076.2	1082.1
52.5°	1056.5	1044.8	947.5	870.9	856.4	842.0	856.4	870.9	947.5	1044.8	1056.5
55°	1026.5	1010.9	877.2	776.3	773.3	770.4	773.3	776.3	877.2	1010.9	1026.5
57.5°	911.5	895.1	779.2	693.6	698.6	703.7	698.6	693.6	779.2	895.1	911.5
60°	798.7	783.1	703.1	641.7	635.8	629.9	635.8	641.7	703.1	783.1	798.7
62.5°	693.2	674.8	620.6	578.4	572.6	566.7	572.6	578.4	620.6	674.8	693.2
65°	568.0	541.7	496.8	463.1	463.1	463.1	463.1	496.8	541.7	568.0	
67.5°	466.1	439.9	405.8	374.3	350.9	327.5	350.9	374.3	405.8	439.9	466.1
70°	400.7	369.5	331.4	299.0	283.4	267.8	283.4	299.0	331.4	369.5	400.7
72.5°	333.2	302.8	271.7	244.0	226.0	208.1	226.0	244.0	271.7	302.8	333.2
75°	238.3	207.5	179.3	157.5	155.6	153.6	155.6	157.5	179.3	207.5	238.3
77.5°	163.5	142.1	127.9	117.3	117.5	117.6	117.5	117.3	127.9	142.1	163.5
80°	111.2	96.1	95.1	94.6	95.6	96.6	95.6	94.6	95.1	96.1	111.2
82.5°	80.8	72.7	74.0	75.1	75.3	75.5	75.3	75.1	74.0	72.7	80.8
85°	44.9	41.9	38.0	34.9	33.9	32.9	33.9	34.9	38.0	41.9	44.9
87.5°	10.0	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	10.0
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: P1427832

CATALOG NUMBER: SQ2W-PH1-0U-100D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2306.9	2306.9	2306.9	2306.9
2.5°	2308.0	2323.5	2312.5	2301.6
5°	2263.7	2309.3	2310.3	2311.3
7.5°	2147.4	2208.6	2238.9	2269.1
10°	2071.3	2140.5	2186.4	2232.2
12.5°	2002.8	2078.7	2151.1	2223.5
15°	1903.7	1980.8	2090.1	2199.3
17.5°	1816.4	1884.1	2001.8	2119.4
20°	1768.4	1831.1	1947.2	2063.2
22.5°	1725.1	1780.5	1898.2	2015.8
25°	1647.7	1688.1	1820.8	1953.5
27.5°	1575.8	1601.8	1740.3	1878.9
30°	1528.4	1549.1	1687.7	1826.2
32.5°	1474.0	1488.8	1632.1	1775.3
35°	1404.0	1415.7	1565.0	1714.2
37.5°	1324.9	1330.2	1490.2	1650.2
40°	1268.7	1268.9	1436.7	1604.5
42.5°	1214.8	1219.7	1387.5	1555.3
45°	1126.0	1132.3	1307.0	1481.6
47.5°	1060.4	1061.8	1228.2	1394.7
50°	1020.6	1013.8	1170.9	1327.9
52.5°	982.6	964.5	1113.7	1263.0
55°	924.1	883.1	1026.5	1169.9
57.5°	828.4	799.9	935.5	1071.1
60°	749.9	746.3	878.0	1009.7
62.5°	675.6	693.8	819.2	944.7
65°	575.8	610.2	724.3	838.5
67.5°	484.2	522.7	622.2	721.7
70°	425.1	465.3	553.1	640.9
72.5°	363.0	404.3	479.6	554.9
75°	271.4	311.4	371.9	432.4
77.5°	192.0	224.4	268.5	312.6
80°	140.5	170.7	203.9	237.1
82.5°	98.3	117.6	142.2	166.8
85°	46.8	51.2	62.9	74.6
87.5°	12.3	14.2	15.0	15.8
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1427832  
 CATALOG NUMBER: SQ2W-PH1-0U-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	23.29	24.88	23.65	25.19	25.51	22.12	23.71	22.48	24.02	24.34
	3H	25.52	26.95	25.89	27.27	27.63	23.22	24.65	23.60	24.98	25.34
	4H	26.36	27.71	26.76	28.05	28.43	23.50	24.84	23.90	25.19	25.57
	6H	26.86	28.11	27.28	28.47	28.86	23.67	24.92	24.09	25.28	25.67
	8H	27.04	28.22	27.46	28.61	29.01	23.75	24.94	24.18	25.33	25.73
	12H	27.12	28.25	27.55	28.64	29.07	23.79	24.92	24.22	25.30	25.73
4H	2H	23.81	25.15	24.21	25.50	25.88	22.89	24.23	23.29	24.58	24.96
	3H	26.13	27.24	26.54	27.64	28.04	24.18	25.30	24.59	25.70	26.10
	4H	27.03	28.04	27.46	28.45	28.89	24.50	25.51	24.93	25.92	26.36
	6H	27.63	28.51	28.08	28.95	29.40	24.74	25.62	25.20	26.06	26.52
	8H	27.85	28.67	28.31	29.11	29.58	24.85	25.67	25.31	26.11	26.58
	12H	27.96	28.70	28.44	29.17	29.64	24.90	25.64	25.38	26.11	26.58
8H	4H	27.11	27.93	27.57	28.37	28.84	24.79	25.61	25.25	26.05	26.52
	6H	27.77	28.44	28.26	28.93	29.41	25.08	25.76	25.58	26.25	26.73
	8H	28.03	28.64	28.55	29.15	29.64	25.24	25.84	25.75	26.35	26.84
	12H	28.20	28.73	28.71	29.23	29.79	25.33	25.87	25.84	26.36	26.92
12H	4H	27.09	27.83	27.57	28.30	28.77	24.82	25.55	25.30	26.03	26.50
	6H	27.75	28.36	28.26	28.86	29.35	25.12	25.73	25.64	26.24	26.73
	8H	28.05	28.59	28.56	29.08	29.64	25.32	25.86	25.83	26.35	26.91