

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427486

Luminaire Tested: SQ2W-BBM-0U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427486
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-0U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

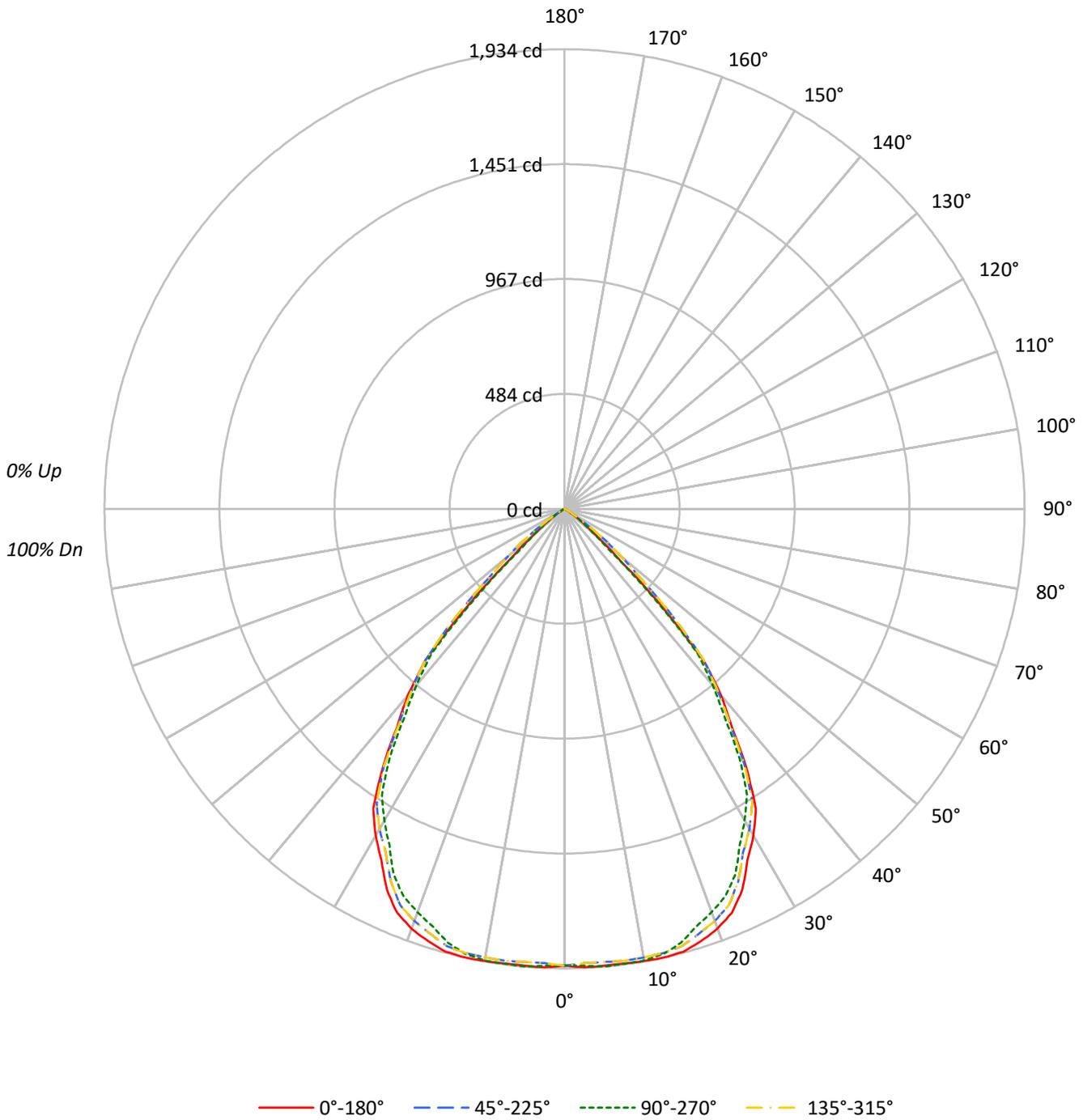
Lumens per Lamp: N/A
Luminaire Lumens: 2873.8 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.6
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

TEST NUMBER: P1427486

CATALOG NUMBER: SQ2W-BBM-0U-075D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427486

CATALOG NUMBER: SQ2W-BBM-0U-075D-L930-UNV-STD-W-WM-4

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92				
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84				
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76				
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70				
5	88	79	72	67	86	78	72	67	76	70	66	74	69	66	72	68	65	63				
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58				
7	78	67	61	56	76	67	60	56	65	60	55	64	59	55	63	58	55	53				
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49				
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45				
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	47	43	42				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31041	31041	31041	31041
5°	31285	31332	31285	31332
10°	31678	31632	31678	31632
15°	32250	31607	32250	31607
20°	32291	31035	32291	31035
25°	31493	30258	31493	30258
30°	29604	28224	29604	28224
35°	26276	25288	26276	25288
40°	21549	20394	21549	20394
45°	12848	12056	12848	12056
50°	4011	3793	4011	3793
55°	1517	1517	1517	1517
60°	94	32	94	32
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 15040 cd/sqm



TEST NUMBER: P1427486

CATALOG NUMBER: SQ2W-BBM-0U-075D-L930-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	6.4
10°-20°	538.5	18.7
20°-30°	792.2	27.6
30°-40°	809.7	28.2
40°-50°	466.4	16.2
50°-60°	80.3	2.8
60°-70°	2.9	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1514.5	52.7
0°-40°	2324.3	80.9
0°-60°	2871.0	99.9
0°-90°	2873.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2873.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1923	1923	1923	1923	1923	
5°	1930	1933	1930	1933	1930	184
15°	1929	1891	1929	1891	1929	543
25°	1768	1698	1768	1698	1768	807
35°	1333	1283	1333	1283	1333	823
45°	563	528	563	528	563	435
55°	54	54	54	54	54	57
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1427486

CATALOG NUMBER: SQ2W-BBM-0U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1931.1	1928.7	1926.3	1920.6	1913.7	1914.3	1922.1	1927.6	1925.9	1924.2	1925.9
5°	1930.3	1928.2	1926.1	1920.1	1912.8	1914.9	1926.5	1934.9	1934.1	1933.2	1934.1
7.5°	1929.2	1927.7	1926.3	1922.1	1916.9	1919.1	1928.6	1935.2	1933.0	1930.9	1933.0
10°	1932.2	1931.8	1931.4	1924.9	1916.3	1917.0	1926.8	1933.6	1931.5	1929.4	1931.5
12.5°	1933.8	1936.4	1939.1	1929.7	1916.4	1913.6	1921.4	1926.3	1922.4	1918.6	1922.4
15°	1929.4	1936.6	1943.9	1930.6	1910.6	1901.2	1902.4	1902.0	1896.4	1890.9	1896.4
17.5°	1907.8	1918.1	1928.3	1910.8	1884.1	1868.3	1863.6	1858.1	1850.3	1842.4	1850.3
20°	1879.4	1891.3	1903.3	1884.2	1854.7	1835.9	1827.7	1819.9	1813.1	1806.3	1813.1
22.5°	1839.3	1850.3	1861.2	1842.9	1814.7	1795.6	1785.4	1776.4	1770.9	1765.5	1770.9
25°	1767.8	1775.0	1782.3	1763.6	1736.3	1718.7	1711.0	1704.5	1701.5	1698.5	1701.5
27.5°	1666.4	1668.5	1670.5	1655.6	1635.1	1620.1	1610.5	1602.4	1598.5	1594.7	1598.5
30°	1587.9	1587.9	1587.9	1576.4	1561.0	1548.2	1537.9	1528.4	1521.1	1513.9	1521.1
32.5°	1496.4	1495.3	1494.3	1485.8	1474.9	1463.8	1452.5	1442.2	1435.0	1427.7	1435.0
35°	1333.1	1337.8	1342.5	1336.6	1327.2	1316.9	1305.8	1295.9	1289.4	1283.0	1289.4
37.5°	1156.3	1158.1	1159.9	1155.0	1147.9	1138.4	1126.4	1116.1	1110.7	1105.3	1110.7
40°	1022.4	1022.8	1023.2	1017.3	1009.1	1000.8	992.3	983.8	975.7	967.6	975.7
42.5°	866.2	874.8	883.5	879.8	872.0	861.3	847.6	836.5	833.2	829.8	833.2
45°	562.7	600.7	638.7	652.7	658.7	654.0	638.6	616.1	572.1	528.0	572.1
47.5°	282.8	330.1	377.5	410.3	438.3	430.3	386.4	341.9	295.3	248.7	295.3
50°	159.7	187.9	216.1	260.0	309.2	301.0	235.6	182.6	166.8	151.0	166.8
52.5°	106.6	119.0	131.5	166.9	209.9	207.1	158.4	119.7	110.7	101.8	110.7
55°	53.9	57.3	60.7	76.3	96.0	95.5	75.0	59.0	56.4	53.9	56.4
57.5°	18.3	22.9	27.5	34.4	42.1	42.3	35.1	28.6	24.4	20.2	24.4
60°	2.9	7.2	11.4	17.0	23.0	22.3	15.1	8.7	4.8	1.0	4.8
62.5°	0.6	1.8	3.0	7.5	13.1	13.0	7.1	2.4	1.3	0.2	1.3
65°	0.0	0.0	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1427486

CATALOG NUMBER: SQ2W-BBM-0U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1927.6	1922.1	1914.3	1913.7	1920.6	1926.3	1928.7	1931.1	1928.7	1926.3	1920.6
5°	1934.9	1926.5	1914.9	1912.8	1920.1	1926.1	1928.2	1930.3	1928.2	1926.1	1920.1
7.5°	1935.2	1928.6	1919.1	1916.9	1922.1	1926.3	1927.7	1929.2	1927.7	1926.3	1922.1
10°	1933.6	1926.8	1917.0	1916.3	1924.9	1931.4	1931.8	1932.2	1931.8	1931.4	1924.9
12.5°	1926.3	1921.4	1913.6	1916.4	1929.7	1939.1	1936.4	1933.8	1936.4	1939.1	1929.7
15°	1902.0	1902.4	1901.2	1910.6	1930.6	1943.9	1936.6	1929.4	1936.6	1943.9	1930.6
17.5°	1858.1	1863.6	1868.3	1884.1	1910.8	1928.3	1918.1	1907.8	1918.1	1928.3	1910.8
20°	1819.9	1827.7	1835.9	1854.7	1884.2	1903.3	1891.3	1879.4	1891.3	1903.3	1884.2
22.5°	1776.4	1785.4	1795.6	1814.7	1842.9	1861.2	1850.3	1839.3	1850.3	1861.2	1842.9
25°	1704.5	1711.0	1718.7	1736.3	1763.6	1782.3	1775.0	1767.8	1775.0	1782.3	1763.6
27.5°	1602.4	1610.5	1620.1	1635.1	1655.6	1670.5	1668.5	1666.4	1668.5	1670.5	1655.6
30°	1528.4	1537.9	1548.2	1561.0	1576.4	1587.9	1587.9	1587.9	1587.9	1587.9	1576.4
32.5°	1442.2	1452.5	1463.8	1474.9	1485.8	1494.3	1495.3	1496.4	1495.3	1494.3	1485.8
35°	1295.9	1305.8	1316.9	1327.2	1336.6	1342.5	1337.8	1333.1	1337.8	1342.5	1336.6
37.5°	1116.1	1126.4	1138.4	1147.9	1155.0	1159.9	1158.1	1156.3	1158.1	1159.9	1155.0
40°	983.8	992.3	1000.8	1009.1	1017.3	1023.2	1022.8	1022.4	1022.8	1023.2	1017.3
42.5°	836.5	847.6	861.3	872.0	879.8	883.5	874.8	866.2	874.8	883.5	879.8
45°	616.1	638.6	654.0	658.7	652.7	638.7	600.7	562.7	600.7	638.7	652.7
47.5°	341.9	386.4	430.3	438.3	410.3	377.5	330.1	282.8	330.1	377.5	410.3
50°	182.6	235.6	301.0	309.2	260.0	216.1	187.9	159.7	187.9	216.1	260.0
52.5°	119.7	158.4	207.1	209.9	166.9	131.5	119.0	106.6	119.0	131.5	166.9
55°	59.0	75.0	95.5	96.0	76.3	60.7	57.3	53.9	57.3	60.7	76.3
57.5°	28.6	35.1	42.3	42.1	34.4	27.5	22.9	18.3	22.9	27.5	34.4
60°	8.7	15.1	22.3	23.0	17.0	11.4	7.2	2.9	7.2	11.4	17.0
62.5°	2.4	7.1	13.0	13.1	7.5	3.0	1.8	0.6	1.8	3.0	7.5
65°	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1427486

CATALOG NUMBER: SQ2W-BBM-0U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1913.7	1914.3	1922.1	1927.6	1925.9	1924.2	1925.9	1927.6	1922.1	1914.3	1913.7
5°	1912.8	1914.9	1926.5	1934.9	1934.1	1933.2	1934.1	1934.9	1926.5	1914.9	1912.8
7.5°	1916.9	1919.1	1928.6	1935.2	1933.0	1930.9	1933.0	1935.2	1928.6	1919.1	1916.9
10°	1916.3	1917.0	1926.8	1933.6	1931.5	1929.4	1931.5	1933.6	1926.8	1917.0	1916.3
12.5°	1916.4	1913.6	1921.4	1926.3	1922.4	1918.6	1922.4	1926.3	1921.4	1913.6	1916.4
15°	1910.6	1901.2	1902.4	1902.0	1896.4	1890.9	1896.4	1902.0	1902.4	1901.2	1910.6
17.5°	1884.1	1868.3	1863.6	1858.1	1850.3	1842.4	1850.3	1858.1	1863.6	1868.3	1884.1
20°	1854.7	1835.9	1827.7	1819.9	1813.1	1806.3	1813.1	1819.9	1827.7	1835.9	1854.7
22.5°	1814.7	1795.6	1785.4	1776.4	1770.9	1765.5	1770.9	1776.4	1785.4	1795.6	1814.7
25°	1736.3	1718.7	1711.0	1704.5	1701.5	1698.5	1701.5	1704.5	1711.0	1718.7	1736.3
27.5°	1635.1	1620.1	1610.5	1602.4	1598.5	1594.7	1598.5	1602.4	1610.5	1620.1	1635.1
30°	1561.0	1548.2	1537.9	1528.4	1521.1	1513.9	1521.1	1528.4	1537.9	1548.2	1561.0
32.5°	1474.9	1463.8	1452.5	1442.2	1435.0	1427.7	1435.0	1442.2	1452.5	1463.8	1474.9
35°	1327.2	1316.9	1305.8	1295.9	1289.4	1283.0	1289.4	1295.9	1305.8	1316.9	1327.2
37.5°	1147.9	1138.4	1126.4	1116.1	1110.7	1105.3	1110.7	1116.1	1126.4	1138.4	1147.9
40°	1009.1	1000.8	992.3	983.8	975.7	967.6	975.7	983.8	992.3	1000.8	1009.1
42.5°	872.0	861.3	847.6	836.5	833.2	829.8	833.2	836.5	847.6	861.3	872.0
45°	658.7	654.0	638.6	616.1	572.1	528.0	572.1	616.1	638.6	654.0	658.7
47.5°	438.3	430.3	386.4	341.9	295.3	248.7	295.3	341.9	386.4	430.3	438.3
50°	309.2	301.0	235.6	182.6	166.8	151.0	166.8	182.6	235.6	301.0	309.2
52.5°	209.9	207.1	158.4	119.7	110.7	101.8	110.7	119.7	158.4	207.1	209.9
55°	96.0	95.5	75.0	59.0	56.4	53.9	56.4	75.0	95.5	96.0	96.0
57.5°	42.1	42.3	35.1	28.6	24.4	20.2	24.4	35.1	42.3	42.1	42.1
60°	23.0	22.3	15.1	8.7	4.8	1.0	4.8	15.1	22.3	23.0	23.0
62.5°	13.1	13.0	7.1	2.4	1.3	0.2	1.3	7.1	13.0	13.1	13.1
65°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.3	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1427486

CATALOG NUMBER: SQ2W-BBM-0U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1922.6	1922.6	1922.6	1922.6
2.5°	1920.6	1926.3	1928.7	1931.1
5°	1920.1	1926.1	1928.2	1930.3
7.5°	1922.1	1926.3	1927.7	1929.2
10°	1924.9	1931.4	1931.8	1932.2
12.5°	1929.7	1939.1	1936.4	1933.8
15°	1930.6	1943.9	1936.6	1929.4
17.5°	1910.8	1928.3	1918.1	1907.8
20°	1884.2	1903.3	1891.3	1879.4
22.5°	1842.9	1861.2	1850.3	1839.3
25°	1763.6	1782.3	1775.0	1767.8
27.5°	1655.6	1670.5	1668.5	1666.4
30°	1576.4	1587.9	1587.9	1587.9
32.5°	1485.8	1494.3	1495.3	1496.4
35°	1336.6	1342.5	1337.8	1333.1
37.5°	1155.0	1159.9	1158.1	1156.3
40°	1017.3	1023.2	1022.8	1022.4
42.5°	879.8	883.5	874.8	866.2
45°	652.7	638.7	600.7	562.7
47.5°	410.3	377.5	330.1	282.8
50°	260.0	216.1	187.9	159.7
52.5°	166.9	131.5	119.0	106.6
55°	76.3	60.7	57.3	53.9
57.5°	34.4	27.5	22.9	18.3
60°	17.0	11.4	7.2	2.9
62.5°	7.5	3.0	1.8	0.6
65°	0.3	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1427486
 CATALOG NUMBER: SQ2W-BBM-0U-075D-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	1.79	2.92	2.16	3.23	3.55	2.02	3.15	2.39	3.47	3.78
	3H	1.62	2.61	2.00	2.94	3.31	1.86	2.85	2.24	3.18	3.54
	4H	1.53	2.45	1.94	2.80	3.19	1.77	2.68	2.17	3.03	3.42
	6H	1.44	2.27	1.85	2.65	3.04	1.67	2.50	2.09	2.88	3.27
	8H	1.39	2.17	1.82	2.56	2.97	1.62	2.40	2.05	2.80	3.20
	12H	1.33	2.08	1.77	2.47	2.90	1.57	2.32	2.00	2.70	3.13
4H	2H	1.54	2.46	1.95	2.81	3.20	1.78	2.69	2.18	3.04	3.43
	3H	1.37	2.10	1.78	2.51	2.91	1.60	2.33	2.01	2.74	3.15
	4H	1.26	1.91	1.70	2.33	2.78	1.49	2.14	1.93	2.57	3.01
	6H	1.16	1.72	1.63	2.16	2.64	1.39	1.95	1.86	2.40	2.87
	8H	1.09	1.61	1.56	2.06	2.53	1.32	1.84	1.80	2.29	2.77
	12H	1.03	1.48	1.52	1.97	2.45	1.26	1.72	1.75	2.20	2.68
8H	4H	1.09	1.61	1.56	2.06	2.53	1.32	1.84	1.80	2.29	2.77
	6H	0.97	1.39	1.48	1.89	2.37	1.20	1.62	1.71	2.12	2.61
	8H	0.89	1.27	1.42	1.79	2.29	1.13	1.51	1.66	2.03	2.52
	12H	0.84	1.17	1.36	1.67	2.25	1.07	1.40	1.59	1.90	2.48
12H	4H	1.03	1.48	1.52	1.97	2.45	1.26	1.72	1.75	2.20	2.68
	6H	0.89	1.27	1.42	1.79	2.29	1.13	1.51	1.66	2.03	2.52
	8H	0.84	1.17	1.36	1.67	2.25	1.07	1.40	1.59	1.90	2.48