

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: P1427804

Luminaire Tested: SQ2W-F-K-150U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427804
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-150U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

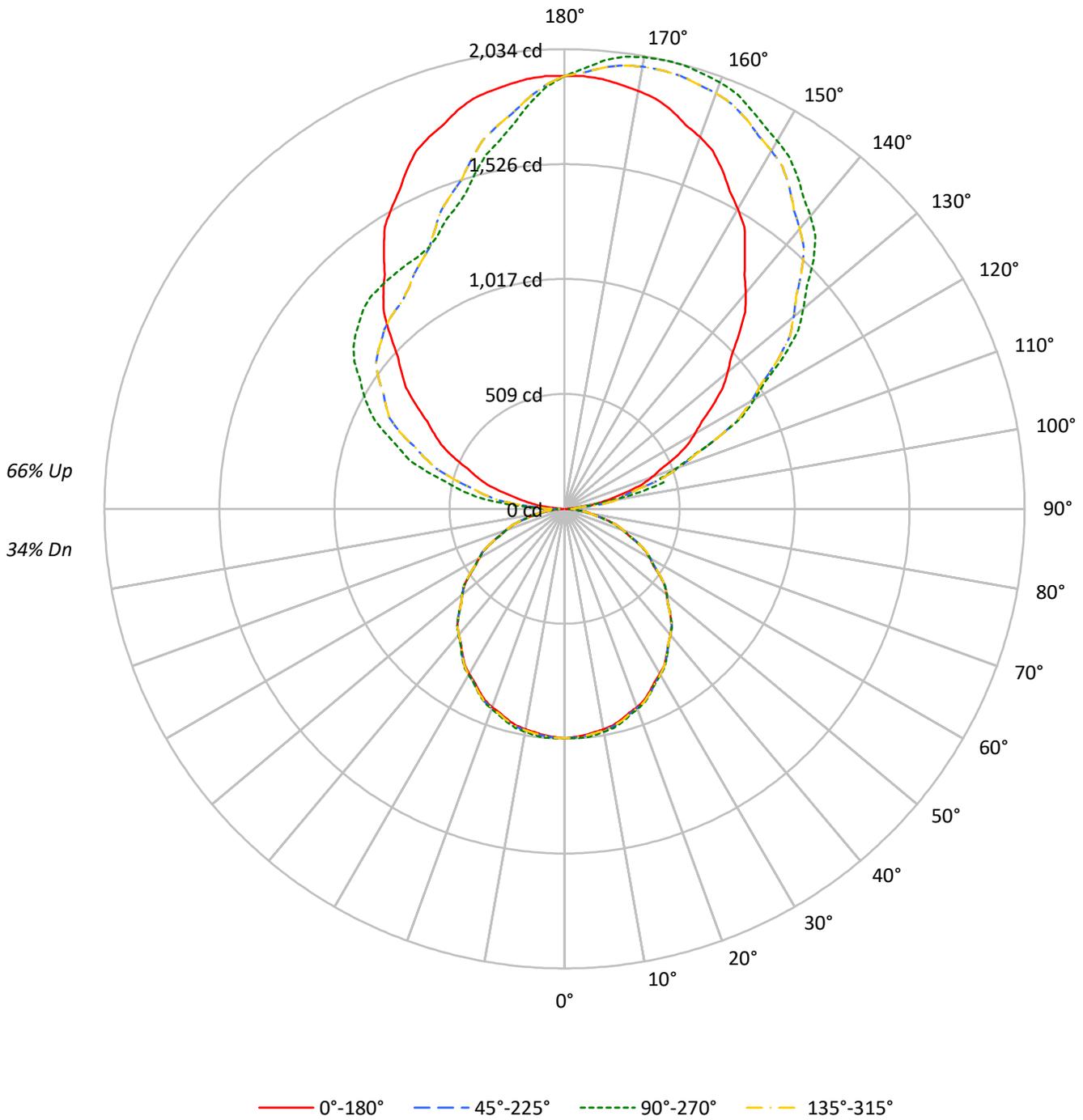
Lumens per Lamp: N/A
Luminaire Lumens: 8459.1 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 81.8
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

TEST NUMBER: P1427804

CATALOG NUMBER: SQ2W-F-K-150U-075D-L930-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	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	63	61	50	49	47	36	35	35	28
2	86	78	72	67	77	71	66	61	57	53	50	44	41	39	32	30	29	23
3	78	69	61	56	70	62	56	51	50	45	42	39	36	33	28	26	24	20
4	71	61	53	47	64	55	48	43	44	39	35	34	31	28	25	23	21	17
5	65	54	46	40	59	49	42	37	39	34	30	31	27	24	22	20	18	15
6	60	48	40	34	54	44	37	32	35	30	26	28	24	21	20	18	16	13
7	55	43	35	30	50	39	33	28	32	27	23	25	21	19	18	16	14	11
8	51	39	32	26	46	36	29	24	29	24	20	23	19	16	17	14	13	10
9	48	36	28	23	43	32	26	22	27	22	18	21	17	15	16	13	11	9
10	44	33	25	21	40	30	23	19	24	20	16	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16401	16401	16401	16401
5°	16301	16486	16301	16486
10°	16244	16431	16244	16431
15°	16153	16357	16153	16357
20°	16051	16211	16051	16211
25°	15878	16019	15878	16019
30°	15711	15817	15711	15817
35°	15510	15608	15510	15608
40°	15333	15380	15333	15380
45°	15109	15109	15109	15109
50°	14805	14842	14805	14842
55°	14457	14477	14457	14477
60°	14066	14066	14066	14066
65°	13608	13555	13608	13555
70°	12968	12831	12968	12831
75°	12096	11828	12096	11828
80°	10776	10246	10776	10246
85°	8614	7280	8614	7280

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 15212 cd/sqm



TEST NUMBER: P1427804

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	1.1
10°-20°	274.6	3.2
20°-30°	413.4	4.9
30°-40°	494.3	5.8
40°-50°	510.5	6.0
50°-60°	460.4	5.4
60°-70°	352.7	4.2
70°-80°	203.8	2.4
80°-90°	60.9	0.7
90°-100°	152.4	1.8
100°-110°	444.5	5.3
110°-120°	725.4	8.6
120°-130°	920.5	10.9
130°-140°	985.0	11.6
140°-150°	919.8	10.9
150°-160°	756.8	8.9
160°-170°	507.6	6.0
170°-180°	180.2	2.1
0°-30°	784.1	9.3
0°-40°	1278.5	15.1
0°-60°	2249.4	26.6
0°-90°	2866.8	33.9
90°-120°	1322.4	15.6
90°-150°	4147.7	49.0
90°-180°	5592.0	66.1
0°-180°	8459.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1016	1016	1016	1016	1016	
5°	1006	1017	1006	1017	1006	95
15°	966	979	966	979	966	273
25°	891	899	891	899	891	411
35°	787	792	787	792	787	493
45°	662	662	662	662	662	510
55°	514	514	514	514	514	459
65°	356	355	356	355	356	352
75°	194	190	194	190	194	205
85°	46	39	46	39	46	54
90°	6	43	6	83	6	7
95°	60	44	60	261	60	72
105°	282	453	282	623	282	300
115°	542	751	542	925	542	534
125°	801	1190	801	1134	801	717
135°	1089	1557	1089	1256	1089	842
145°	1391	1795	1391	1283	1391	870
155°	1652	1950	1652	1331	1652	759
165°	1826	2033	1826	1532	1826	514
175°	1910	1991	1910	1797	1910	181
180°	1915	1915	1915	1915	1915	



TEST NUMBER: P1427804

CATALOG NUMBER: SQ2W-F-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1010.6	1015.5	1020.3	1018.3	1014.0	1012.3	1013.3	1014.2	1014.7	1015.2	1014.7
5°	1005.8	1012.1	1018.5	1016.3	1011.2	1009.0	1009.6	1010.9	1014.1	1017.2	1014.1
7.5°	997.6	1004.0	1010.3	1008.3	1003.5	1001.4	1002.2	1003.6	1006.9	1010.2	1006.9
10°	990.8	997.1	1003.5	1001.3	996.2	994.3	995.5	997.1	999.7	1002.2	999.7
12.5°	982.2	988.5	994.9	993.1	988.5	986.6	987.3	988.6	991.4	994.2	991.4
15°	966.4	972.8	979.2	977.4	973.0	971.2	972.2	973.5	976.1	978.6	976.1
17.5°	947.4	953.4	959.4	957.8	953.6	952.1	953.2	954.5	956.8	959.0	956.8
20°	934.2	940.0	945.7	944.0	939.9	938.0	938.3	939.1	941.3	943.5	941.3
22.5°	918.2	923.9	929.7	928.2	924.3	922.0	921.3	921.5	924.2	927.0	924.2
25°	891.3	897.1	902.8	901.6	898.1	895.9	894.9	894.7	897.0	899.2	897.0
27.5°	863.3	868.1	872.8	871.8	868.9	867.1	866.5	866.4	868.0	869.6	868.0
30°	842.7	847.5	852.2	851.0	847.9	845.9	845.3	845.2	846.8	848.4	846.8
32.5°	820.9	825.5	830.0	828.3	824.6	822.7	822.6	823.0	824.8	826.7	824.8
35°	786.9	790.7	794.5	792.8	789.4	787.8	788.1	788.7	790.3	791.9	790.3
37.5°	752.7	755.6	758.5	756.8	753.6	751.9	751.9	752.2	753.5	754.8	753.5
40°	727.5	730.7	733.9	732.0	728.5	726.6	726.3	726.5	728.1	729.7	728.1
42.5°	701.8	704.2	706.6	705.0	702.0	700.6	700.8	701.1	701.9	702.8	701.9
45°	661.7	663.9	666.2	664.6	661.7	660.3	660.3	660.4	661.1	661.7	661.1
47.5°	619.8	621.5	623.2	622.0	619.7	618.4	618.1	618.0	619.0	620.1	619.0
50°	589.4	591.7	593.9	592.8	590.6	589.1	588.5	588.3	589.6	590.9	589.6
52.5°	559.7	562.2	564.7	563.6	561.4	559.8	558.9	558.5	559.5	560.5	559.5
55°	513.6	516.5	519.3	518.6	516.7	515.1	513.9	513.1	513.7	514.3	513.7
57.5°	466.6	469.4	472.1	471.6	470.0	468.4	466.8	465.9	466.8	467.7	466.8
60°	435.6	438.2	440.7	439.9	438.0	436.4	435.2	434.4	435.0	435.6	435.0
62.5°	404.2	406.7	409.3	408.3	406.1	404.4	403.1	402.3	403.0	403.6	403.0
65°	356.2	358.5	360.7	359.8	357.9	356.3	355.1	354.2	354.5	354.8	354.5
67.5°	307.9	309.8	311.7	310.8	309.0	307.1	305.3	304.0	304.5	305.0	304.5
70°	274.7	276.6	278.5	277.8	276.2	274.6	273.0	271.8	271.8	271.8	271.8
72.5°	242.6	244.3	246.0	245.0	243.1	241.6	240.2	239.2	239.2	239.2	239.2
75°	193.9	194.8	195.8	195.3	194.3	193.1	191.5	190.2	189.9	189.6	189.9
77.5°	146.8	146.8	146.8	145.9	144.7	143.5	142.3	141.3	140.9	140.5	140.9
80°	115.9	115.9	115.9	115.2	114.2	113.3	112.3	111.4	110.8	110.2	110.8
82.5°	87.3	86.8	86.3	85.4	84.5	83.3	81.8	80.9	81.5	82.1	81.5
85°	46.5	45.9	45.2	44.4	43.4	42.3	41.0	40.0	39.7	39.3	39.7
87.5°	15.5	16.5	17.9	18.8	19.2	18.7	17.7	17.2	17.4	17.1	17.4
90°	5.8	13.5	23.2	31.0	36.8	38.7	38.7	40.6	42.6	42.6	42.6
92.5°	21.3	33.7	34.0	34.0	41.4	44.9	48.0	48.4	50.3	50.3	50.3
95°	60.0	65.8	98.7	96.7	65.8	52.2	44.5	44.5	44.5	44.5	44.5
97.5°	114.5	123.0	128.5	172.2	181.9	175.7	143.2	120.3	107.6	101.8	107.6
100°	162.5	166.4	178.0	179.9	228.3	274.7	251.5	222.5	212.8	207.0	212.8
102.5°	210.5	212.8	230.6	238.7	250.0	276.3	356.7	347.8	341.3	340.1	341.3
105°	282.5	284.4	317.3	332.8	340.5	340.5	338.6	377.3	439.2	452.7	439.2
107.5°	359.5	368.4	407.0	448.4	457.3	459.7	449.6	443.8	441.5	443.0	441.5
110°	412.1	425.6	472.1	524.3	537.8	541.7	537.8	532.0	528.2	528.2	528.2



TEST NUMBER: P1427804

CATALOG NUMBER: SQ2W-F-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	463.2	482.9	535.5	595.5	618.3	629.9	621.4	617.2	613.3	616.4	613.3
115°	541.7	570.7	640.4	702.3	748.7	754.5	752.6	752.6	750.6	750.6	750.6
117.5°	614.4	660.9	739.0	811.0	864.8	880.3	888.0	885.7	883.4	887.2	883.4
120°	665.5	719.7	808.7	889.9	942.2	965.4	973.1	969.3	973.1	969.3	973.1
122.5°	719.7	786.2	873.7	958.0	1019.6	1045.9	1055.2	1055.9	1056.7	1054.4	1056.7
125°	800.9	882.2	984.7	1071.8	1135.6	1166.6	1174.3	1176.3	1180.1	1189.8	1180.1
127.5°	883.0	975.1	1087.7	1171.6	1237.0	1274.5	1286.5	1290.8	1298.9	1303.2	1298.9
130°	940.2	1044.7	1158.8	1238.2	1302.0	1342.6	1363.9	1369.7	1379.4	1377.5	1379.4
132.5°	1000.6	1109.7	1225.4	1307.8	1367.0	1410.7	1428.9	1445.6	1449.0	1451.8	1449.0
135°	1089.2	1207.2	1323.3	1404.5	1460.7	1503.2	1526.4	1541.9	1551.6	1557.4	1551.6
137.5°	1182.5	1307.0	1418.5	1490.8	1547.3	1584.1	1610.4	1626.6	1636.7	1641.3	1636.7
140°	1245.9	1365.9	1474.2	1549.6	1599.9	1636.7	1659.9	1679.3	1690.9	1690.9	1690.9
142.5°	1306.3	1424.7	1529.9	1605.4	1649.5	1683.1	1707.9	1722.6	1735.8	1735.8	1735.8
145°	1391.0	1509.0	1605.8	1681.2	1718.0	1748.9	1776.0	1787.6	1795.3	1795.3	1795.3
147.5°	1479.6	1584.1	1672.3	1744.7	1775.6	1812.0	1833.3	1842.6	1852.2	1848.0	1852.2
150°	1532.2	1629.0	1714.1	1781.8	1812.8	1847.6	1868.9	1876.6	1886.3	1880.5	1886.3
152.5°	1583.3	1675.4	1752.8	1815.9	1842.2	1877.0	1901.4	1909.1	1915.7	1911.4	1915.7
155°	1652.2	1733.4	1805.0	1863.1	1886.3	1919.2	1942.4	1952.1	1959.8	1950.1	1959.8
157.5°	1713.7	1783.7	1846.0	1899.4	1924.2	1952.4	1974.1	1986.1	1993.8	1989.6	1993.8
160°	1750.8	1814.7	1870.8	1921.1	1944.3	1969.5	1992.7	2006.2	2014.0	2008.2	2014.0
162.5°	1781.8	1839.5	1892.5	1938.1	1958.2	1980.3	2008.2	2020.2	2027.9	2020.5	2027.9
165°	1826.3	1872.7	1919.2	1957.9	1975.3	1992.7	2021.7	2035.2	2041.0	2033.3	2041.0
167.5°	1860.0	1895.6	1933.1	1966.4	1979.1	1996.2	2025.2	2036.4	2043.8	2034.1	2043.8
170°	1878.5	1909.5	1942.4	1969.5	1979.1	1994.6	2023.6	2033.3	2039.1	2029.4	2039.1
172.5°	1894.0	1917.2	1943.9	1967.9	1972.9	1985.3	2012.8	2022.5	2026.7	2018.6	2026.7
175°	1909.5	1923.0	1942.4	1957.9	1955.9	1963.7	1986.9	1994.6	2002.4	1990.7	2002.4
177.5°	1916.8	1923.0	1929.2	1938.5	1932.3	1932.3	1949.3	1954.0	1955.5	1949.3	1955.5
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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CATALOG NUMBER: SQ2W-F-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1014.2	1013.3	1012.3	1014.0	1018.3	1020.3	1015.5	1010.6	1015.5	1020.3	1018.3
5°	1010.9	1009.6	1009.0	1011.2	1016.3	1018.5	1012.1	1005.8	1012.1	1018.5	1016.3
7.5°	1003.6	1002.2	1001.4	1003.5	1008.3	1010.3	1004.0	997.6	1004.0	1010.3	1008.3
10°	997.1	995.5	994.3	996.2	1001.3	1003.5	997.1	990.8	997.1	1003.5	1001.3
12.5°	988.6	987.3	986.6	988.5	993.1	994.9	988.5	982.2	988.5	994.9	993.1
15°	973.5	972.2	971.2	973.0	977.4	979.2	972.8	966.4	972.8	979.2	977.4
17.5°	954.5	953.2	952.1	953.6	957.8	959.4	953.4	947.4	953.4	959.4	957.8
20°	939.1	938.3	938.0	939.9	944.0	945.7	940.0	934.2	940.0	945.7	944.0
22.5°	921.5	921.3	922.0	924.3	928.2	929.7	923.9	918.2	923.9	929.7	928.2
25°	894.7	894.9	895.9	898.1	901.6	902.8	897.1	891.3	897.1	902.8	901.6
27.5°	866.4	866.5	867.1	868.9	871.8	872.8	868.1	863.3	868.1	872.8	871.8
30°	845.2	845.3	845.9	847.9	851.0	852.2	847.5	842.7	847.5	852.2	851.0
32.5°	823.0	822.6	822.7	824.6	828.3	830.0	825.5	820.9	825.5	830.0	828.3
35°	788.7	788.1	787.8	789.4	792.8	794.5	790.7	786.9	790.7	794.5	792.8
37.5°	752.2	751.9	751.9	753.6	756.8	758.5	755.6	752.7	755.6	758.5	756.8
40°	726.5	726.3	726.6	728.5	732.0	733.9	730.7	727.5	730.7	733.9	732.0
42.5°	701.1	700.8	700.6	702.0	705.0	706.6	704.2	701.8	704.2	706.6	705.0
45°	660.4	660.3	660.3	661.7	664.6	666.2	663.9	661.7	663.9	666.2	664.6
47.5°	618.0	618.1	618.4	619.7	622.0	623.2	621.5	619.8	621.5	623.2	622.0
50°	588.3	588.5	589.1	590.6	592.8	593.9	591.7	589.4	591.7	593.9	592.8
52.5°	558.5	558.9	559.8	561.4	563.6	564.7	562.2	559.7	562.2	564.7	563.6
55°	513.1	513.9	515.1	516.7	518.6	519.3	516.5	513.6	516.5	519.3	518.6
57.5°	465.9	466.8	468.4	470.0	471.6	472.1	469.4	466.6	469.4	472.1	471.6
60°	434.4	435.2	436.4	438.0	439.9	440.7	438.2	435.6	438.2	440.7	439.9
62.5°	402.3	403.1	404.4	406.1	408.3	409.3	406.7	404.2	406.7	409.3	408.3
65°	354.2	355.1	356.3	357.9	359.8	360.7	358.5	356.2	358.5	360.7	359.8
67.5°	304.0	305.3	307.1	309.0	310.8	311.7	309.8	307.9	309.8	311.7	310.8
70°	271.8	273.0	274.6	276.2	277.8	278.5	276.6	274.7	276.6	278.5	277.8
72.5°	239.2	240.2	241.6	243.1	245.0	246.0	244.3	242.6	244.3	246.0	245.0
75°	190.2	191.5	193.1	194.3	195.3	195.8	194.8	193.9	194.8	195.8	195.3
77.5°	141.3	142.3	143.5	144.7	145.9	146.8	146.8	146.8	146.8	146.8	145.9
80°	111.4	112.3	113.3	114.2	115.2	115.9	115.9	115.9	115.9	115.9	115.2
82.5°	80.9	81.8	83.3	84.5	85.4	86.3	86.8	87.3	86.8	86.3	85.4
85°	40.0	41.0	42.3	43.4	44.4	45.2	45.9	46.5	45.9	45.2	44.4
87.5°	17.2	17.7	18.7	19.2	18.8	17.9	16.5	15.5	16.5	17.5	19.6
90°	40.6	38.7	38.7	36.8	31.0	23.2	13.5	5.8	13.5	21.3	34.8
92.5°	48.4	48.0	44.9	41.4	34.0	34.0	33.7	21.3	36.8	52.2	75.1
95°	44.5	44.5	52.2	65.8	96.7	98.7	65.8	60.0	85.1	119.9	150.9
97.5°	120.3	143.2	175.7	181.9	172.2	128.5	123.0	114.5	155.9	190.4	240.3
100°	222.5	251.5	274.7	228.3	179.9	178.0	166.4	162.5	207.0	239.9	288.3
102.5°	347.8	356.7	276.3	250.0	238.7	230.6	212.8	210.5	255.0	300.3	340.9
105°	377.3	338.6	340.5	340.5	332.8	317.3	284.4	282.5	332.8	385.0	435.3
107.5°	443.8	449.6	459.7	457.3	448.4	407.0	368.4	359.5	404.7	467.4	522.7
110°	532.0	537.8	541.7	537.8	524.3	472.1	425.6	412.1	452.7	518.5	578.5



TEST NUMBER: P1427804

CATALOG NUMBER: SQ2W-F-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	617.2	621.4	629.9	618.3	595.5	535.5	482.9	463.2	503.8	571.1	632.6
115°	752.6	752.6	754.5	748.7	702.3	640.4	570.7	541.7	576.5	638.4	706.1
117.5°	885.7	888.0	880.3	864.8	811.0	739.0	660.9	614.4	641.9	707.3	777.0
120°	969.3	973.1	965.4	942.2	889.9	808.7	719.7	665.5	686.8	750.6	820.3
122.5°	1055.9	1055.2	1045.9	1019.6	958.0	873.7	786.2	719.7	728.6	787.8	855.9
125°	1176.3	1174.3	1166.6	1135.6	1071.8	984.7	882.2	800.9	789.3	839.6	909.3
127.5°	1290.8	1286.5	1274.5	1237.0	1171.6	1087.7	975.1	883.0	857.0	888.8	952.6
130°	1369.7	1363.9	1342.6	1302.0	1238.2	1158.8	1044.7	940.2	903.5	922.8	978.9
132.5°	1445.6	1428.9	1410.7	1367.0	1307.8	1225.4	1109.7	1000.6	949.9	958.4	1002.1
135°	1541.9	1526.4	1503.2	1460.7	1404.5	1323.3	1207.2	1089.2	1019.6	1011.8	1037.0
137.5°	1626.6	1610.4	1584.1	1547.3	1490.8	1418.5	1307.0	1182.5	1094.6	1068.7	1078.4
140°	1679.3	1659.9	1636.7	1599.9	1549.6	1474.2	1365.9	1245.9	1147.2	1110.5	1104.7
142.5°	1722.6	1707.9	1683.1	1649.5	1605.4	1529.9	1424.7	1306.3	1201.4	1153.8	1140.3
145°	1787.6	1776.0	1748.9	1718.0	1681.2	1605.8	1509.0	1391.0	1286.5	1224.6	1195.6
147.5°	1842.6	1833.3	1812.0	1775.6	1744.7	1672.3	1584.1	1479.6	1372.4	1295.8	1258.3
150°	1876.6	1868.9	1847.6	1812.8	1781.8	1714.1	1629.0	1532.2	1429.7	1348.4	1300.1
152.5°	1909.1	1901.4	1877.0	1842.2	1815.9	1752.8	1675.4	1583.3	1479.2	1398.0	1348.1
155°	1952.1	1942.4	1919.2	1886.3	1863.1	1805.0	1733.4	1652.2	1563.2	1478.1	1422.0
157.5°	1986.1	1974.1	1952.4	1924.2	1899.4	1846.0	1783.7	1713.7	1635.9	1554.7	1497.4
160°	2006.2	1992.7	1969.5	1944.3	1921.1	1870.8	1814.7	1750.8	1679.3	1605.8	1543.8
162.5°	2020.2	2008.2	1980.3	1958.2	1938.1	1892.5	1839.5	1781.8	1718.0	1653.7	1596.5
165°	2035.2	2021.7	1992.7	1975.3	1957.9	1919.2	1872.7	1826.3	1772.1	1719.9	1673.5
167.5°	2036.4	2025.2	1996.2	1979.1	1966.4	1933.1	1895.6	1860.0	1817.8	1776.8	1738.1
170°	2033.3	2023.6	1994.6	1979.1	1969.5	1942.4	1909.5	1878.5	1845.6	1810.8	1779.9
172.5°	2022.5	2012.8	1985.3	1972.9	1967.9	1943.9	1917.2	1894.0	1865.8	1840.2	1815.5
175°	1994.6	1986.9	1963.7	1955.9	1957.9	1942.4	1923.0	1909.5	1892.1	1876.6	1863.1
177.5°	1954.0	1949.3	1932.3	1932.3	1938.5	1929.2	1923.0	1916.8	1909.1	1904.5	1899.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1427804

CATALOG NUMBER: SQ2W-F-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1014.0	1012.3	1013.3	1014.2	1014.7	1015.2	1014.7	1014.2	1013.3	1012.3	1014.0
5°	1011.2	1009.0	1009.6	1010.9	1014.1	1017.2	1014.1	1010.9	1009.6	1009.0	1011.2
7.5°	1003.5	1001.4	1002.2	1003.6	1006.9	1010.2	1006.9	1003.6	1002.2	1001.4	1003.5
10°	996.2	994.3	995.5	997.1	999.7	1002.2	999.7	997.1	995.5	994.3	996.2
12.5°	988.5	986.6	987.3	988.6	991.4	994.2	991.4	988.6	987.3	986.6	988.5
15°	973.0	971.2	972.2	973.5	976.1	978.6	976.1	973.5	972.2	971.2	973.0
17.5°	953.6	952.1	953.2	954.5	956.8	959.0	956.8	954.5	953.2	952.1	953.6
20°	939.9	938.0	938.3	939.1	941.3	943.5	941.3	939.1	938.3	938.0	939.9
22.5°	924.3	922.0	921.3	921.5	924.2	927.0	924.2	921.5	921.3	922.0	924.3
25°	898.1	895.9	894.9	894.7	897.0	899.2	897.0	894.7	894.9	895.9	898.1
27.5°	868.9	867.1	866.5	866.4	868.0	869.6	868.0	866.4	866.5	867.1	868.9
30°	847.9	845.9	845.3	845.2	846.8	848.4	846.8	845.2	845.3	845.9	847.9
32.5°	824.6	822.7	822.6	823.0	824.8	826.7	824.8	823.0	822.6	822.7	824.6
35°	789.4	787.8	788.1	788.7	790.3	791.9	790.3	788.7	788.1	787.8	789.4
37.5°	753.6	751.9	751.9	752.2	753.5	754.8	753.5	752.2	751.9	751.9	753.6
40°	728.5	726.6	726.3	726.5	728.1	729.7	728.1	726.5	726.3	726.6	728.5
42.5°	702.0	700.6	700.8	701.1	701.9	702.8	701.9	701.1	700.8	700.6	702.0
45°	661.7	660.3	660.3	660.4	661.1	661.7	661.1	660.4	660.3	660.3	661.7
47.5°	619.7	618.4	618.1	618.0	619.0	620.1	619.0	618.0	618.1	618.4	619.7
50°	590.6	589.1	588.5	588.3	589.6	590.9	589.6	588.3	588.5	589.1	590.6
52.5°	561.4	559.8	558.9	558.5	559.5	560.5	559.5	558.5	558.9	559.8	561.4
55°	516.7	515.1	513.9	513.1	513.7	514.3	513.7	513.1	513.9	515.1	516.7
57.5°	470.0	468.4	466.8	465.9	466.8	467.7	466.8	465.9	466.8	468.4	470.0
60°	438.0	436.4	435.2	434.4	435.0	435.6	435.0	434.4	435.2	436.4	438.0
62.5°	406.1	404.4	403.1	402.3	403.0	403.6	403.0	402.3	403.1	404.4	406.1
65°	357.9	356.3	355.1	354.2	354.5	354.8	354.5	354.2	355.1	356.3	357.9
67.5°	309.0	307.1	305.3	304.0	304.5	305.0	304.5	304.0	305.3	307.1	309.0
70°	276.2	274.6	273.0	271.8	271.8	271.8	271.8	271.8	273.0	274.6	276.2
72.5°	243.1	241.6	240.2	239.2	239.2	239.2	239.2	239.2	240.2	241.6	243.1
75°	194.3	193.1	191.5	190.2	189.9	189.6	189.9	190.2	191.5	193.1	194.3
77.5°	144.7	143.5	142.3	141.3	140.9	140.5	140.9	141.3	142.3	143.5	144.7
80°	114.2	113.3	112.3	111.4	110.8	110.2	110.8	111.4	112.3	113.3	114.2
82.5°	84.5	83.3	81.8	80.9	81.5	82.1	81.5	80.9	81.8	83.3	84.5
85°	43.4	42.3	41.0	40.0	39.7	39.3	39.7	40.0	41.0	42.3	43.4
87.5°	20.7	22.5	24.2	25.0	26.3	25.2	26.3	25.0	24.2	22.5	20.7
90°	44.5	58.0	71.6	79.3	87.1	83.2	87.1	79.3	71.6	58.0	44.5
92.5°	89.4	112.2	128.8	142.8	149.0	148.2	149.0	142.8	128.8	112.2	89.4
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	253.4	234.1	207.0	179.9
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	362.2	344.0	313.8	277.4
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	433.4	412.1	377.3	342.4
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	501.5	478.6	440.7	395.1
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	599.7	570.7	530.1	481.7
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	688.0	655.8	618.3	568.4
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	746.8	717.8	677.1	636.5



TEST NUMBER: P1427804

CATALOG NUMBER: SQ2W-F-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	693.8	739.0	779.7	808.7	833.1	843.9	833.1	808.7	779.7	739.0	693.8
115°	773.9	833.8	870.6	897.7	915.1	924.8	915.1	897.7	870.6	833.8	773.9
117.5°	840.4	903.1	943.3	964.2	972.4	979.3	972.4	964.2	943.3	903.1	840.4
120°	882.2	940.2	986.7	1013.8	1023.4	1027.3	1023.4	1013.8	986.7	940.2	882.2
122.5°	920.9	975.8	1020.7	1054.0	1069.9	1073.7	1069.9	1054.0	1020.7	975.8	920.9
125°	975.1	1027.3	1073.7	1106.6	1124.0	1133.7	1124.0	1106.6	1073.7	1027.3	975.1
127.5°	1022.3	1078.8	1121.3	1151.1	1168.1	1175.9	1168.1	1151.1	1121.3	1078.8	1022.3
130°	1048.6	1106.6	1149.2	1182.1	1197.5	1205.3	1197.5	1182.1	1149.2	1106.6	1048.6
132.5°	1068.7	1129.8	1173.9	1203.7	1220.8	1228.5	1220.8	1203.7	1173.9	1129.8	1068.7
135°	1093.1	1156.9	1203.3	1232.4	1247.8	1255.6	1247.8	1232.4	1203.3	1156.9	1093.1
137.5°	1114.4	1172.4	1220.8	1251.3	1265.3	1270.3	1265.3	1251.3	1220.8	1172.4	1114.4
140°	1129.8	1180.1	1228.5	1257.5	1273.0	1274.9	1273.0	1257.5	1228.5	1180.1	1129.8
142.5°	1150.0	1189.4	1231.6	1260.6	1276.1	1279.6	1276.1	1260.6	1231.6	1189.4	1150.0
145°	1185.9	1209.2	1238.2	1265.3	1278.8	1282.7	1278.8	1265.3	1238.2	1209.2	1185.9
147.5°	1231.2	1238.6	1253.6	1271.4	1284.6	1287.3	1284.6	1271.4	1253.6	1238.6	1231.2
150°	1265.3	1263.3	1269.1	1280.7	1292.3	1290.4	1292.3	1280.7	1269.1	1263.3	1265.3
152.5°	1303.9	1292.7	1292.3	1297.8	1303.2	1302.8	1303.2	1297.8	1292.3	1292.7	1303.9
155°	1369.7	1348.4	1336.8	1333.0	1333.0	1331.0	1333.0	1333.0	1336.8	1348.4	1369.7
157.5°	1442.1	1412.3	1394.9	1385.6	1382.9	1378.6	1382.9	1385.6	1394.9	1412.3	1442.1
160°	1491.6	1458.7	1441.3	1425.8	1420.0	1414.2	1420.0	1425.8	1441.3	1458.7	1491.6
162.5°	1538.0	1506.7	1487.7	1473.8	1468.0	1459.1	1468.0	1473.8	1487.7	1506.7	1538.0
165°	1613.5	1580.6	1559.3	1547.7	1540.0	1532.2	1540.0	1547.7	1559.3	1580.6	1613.5
167.5°	1688.9	1653.0	1639.0	1625.9	1618.5	1604.6	1618.5	1625.9	1639.0	1653.0	1688.9
170°	1735.4	1702.5	1694.7	1683.1	1669.6	1654.1	1669.6	1683.1	1694.7	1702.5	1735.4
172.5°	1775.6	1753.6	1745.8	1734.2	1730.0	1717.6	1730.0	1734.2	1745.8	1753.6	1775.6
175°	1834.0	1816.6	1816.6	1814.7	1808.9	1797.3	1808.9	1814.7	1816.6	1816.6	1834.0
177.5°	1882.8	1873.5	1879.7	1879.7	1878.1	1867.3	1878.1	1879.7	1879.7	1873.5	1882.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1427804

CATALOG NUMBER: SQ2W-F-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1015.8	1015.8	1015.8	1015.8
2.5°	1018.3	1020.3	1015.5	1010.6
5°	1016.3	1018.5	1012.1	1005.8
7.5°	1008.3	1010.3	1004.0	997.6
10°	1001.3	1003.5	997.1	990.8
12.5°	993.1	994.9	988.5	982.2
15°	977.4	979.2	972.8	966.4
17.5°	957.8	959.4	953.4	947.4
20°	944.0	945.7	940.0	934.2
22.5°	928.2	929.7	923.9	918.2
25°	901.6	902.8	897.1	891.3
27.5°	871.8	872.8	868.1	863.3
30°	851.0	852.2	847.5	842.7
32.5°	828.3	830.0	825.5	820.9
35°	792.8	794.5	790.7	786.9
37.5°	756.8	758.5	755.6	752.7
40°	732.0	733.9	730.7	727.5
42.5°	705.0	706.6	704.2	701.8
45°	664.6	666.2	663.9	661.7
47.5°	622.0	623.2	621.5	619.8
50°	592.8	593.9	591.7	589.4
52.5°	563.6	564.7	562.2	559.7
55°	518.6	519.3	516.5	513.6
57.5°	471.6	472.1	469.4	466.6
60°	439.9	440.7	438.2	435.6
62.5°	408.3	409.3	406.7	404.2
65°	359.8	360.7	358.5	356.2
67.5°	310.8	311.7	309.8	307.9
70°	277.8	278.5	276.6	274.7
72.5°	245.0	246.0	244.3	242.6
75°	195.3	195.8	194.8	193.9
77.5°	145.9	146.8	146.8	146.8
80°	115.2	115.9	115.9	115.9
82.5°	85.4	86.3	86.8	87.3
85°	44.4	45.2	45.9	46.5
87.5°	19.6	17.5	16.5	15.5
90°	34.8	21.3	13.5	5.8
92.5°	75.1	52.2	36.8	21.3
95°	150.9	119.9	85.1	60.0
97.5°	240.3	190.4	155.9	114.5
100°	288.3	239.9	207.0	162.5
102.5°	340.9	300.3	255.0	210.5
105°	435.3	385.0	332.8	282.5
107.5°	522.7	467.4	404.7	359.5
110°	578.5	518.5	452.7	412.1



TEST NUMBER: P1427804

CATALOG NUMBER: SQ2W-F-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	632.6	571.1	503.8	463.2
115°	706.1	638.4	576.5	541.7
117.5°	777.0	707.3	641.9	614.4
120°	820.3	750.6	686.8	665.5
122.5°	855.9	787.8	728.6	719.7
125°	909.3	839.6	789.3	800.9
127.5°	952.6	888.8	857.0	883.0
130°	978.9	922.8	903.5	940.2
132.5°	1002.1	958.4	949.9	1000.6
135°	1037.0	1011.8	1019.6	1089.2
137.5°	1078.4	1068.7	1094.6	1182.5
140°	1104.7	1110.5	1147.2	1245.9
142.5°	1140.3	1153.8	1201.4	1306.3
145°	1195.6	1224.6	1286.5	1391.0
147.5°	1258.3	1295.8	1372.4	1479.6
150°	1300.1	1348.4	1429.7	1532.2
152.5°	1348.1	1398.0	1479.2	1583.3
155°	1422.0	1478.1	1563.2	1652.2
157.5°	1497.4	1554.7	1635.9	1713.7
160°	1543.8	1605.8	1679.3	1750.8
162.5°	1596.5	1653.7	1718.0	1781.8
165°	1673.5	1719.9	1772.1	1826.3
167.5°	1738.1	1776.8	1817.8	1860.0
170°	1779.9	1810.8	1845.6	1878.5
172.5°	1815.5	1840.2	1865.8	1894.0
175°	1863.1	1876.6	1892.1	1909.5
177.5°	1899.8	1904.5	1909.1	1916.8
180°	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1427804
 CATALOG NUMBER: SQ2W-F-K-150U-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	15.87	16.61	16.96	17.70	19.18	15.79	16.53	16.87	17.61	19.10
	3H	17.65	18.32	18.75	19.41	20.91	17.55	18.22	18.64	19.31	20.81
	4H	18.34	18.97	19.45	20.07	21.57	18.23	18.86	19.33	19.95	21.46
	6H	18.78	19.36	19.89	20.45	21.97	18.63	19.21	19.75	20.31	21.83
	8H	18.93	19.48	20.05	20.60	22.11	18.78	19.33	19.89	20.44	21.95
	12H	19.01	19.54	20.13	20.64	22.18	18.84	19.36	19.95	20.47	22.00
4H	2H	16.44	17.07	17.55	18.16	19.67	16.37	17.00	17.48	18.10	19.60
	3H	18.45	18.98	19.56	20.10	21.61	18.36	18.88	19.47	20.00	21.52
	4H	19.26	19.74	20.38	20.85	22.39	19.15	19.63	20.27	20.74	22.28
	6H	19.80	20.22	20.93	21.35	22.88	19.66	20.08	20.79	21.21	22.74
	8H	20.02	20.40	21.14	21.53	23.08	19.86	20.24	20.98	21.37	22.92
	12H	20.12	20.47	21.27	21.61	23.16	19.94	20.29	21.08	21.43	22.98
8H	4H	19.49	19.88	20.62	21.00	22.55	19.40	19.78	20.52	20.91	22.46
	6H	20.18	20.50	21.32	21.66	23.21	20.05	20.37	21.19	21.53	23.08
	8H	20.48	20.76	21.63	21.91	23.47	20.32	20.60	21.48	21.75	23.32
	12H	20.66	20.90	21.82	22.05	23.65	20.47	20.71	21.62	21.86	23.46
12H	4H	19.48	19.83	20.62	20.97	22.52	19.39	19.74	20.53	20.88	22.43
	6H	20.23	20.51	21.38	21.65	23.22	20.10	20.38	21.25	21.53	23.09
	8H	20.55	20.80	21.71	21.94	23.54	20.40	20.65	21.56	21.79	23.39