

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: P1427805

Luminaire Tested: SQ2W-F-K-150U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427805
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-L935-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

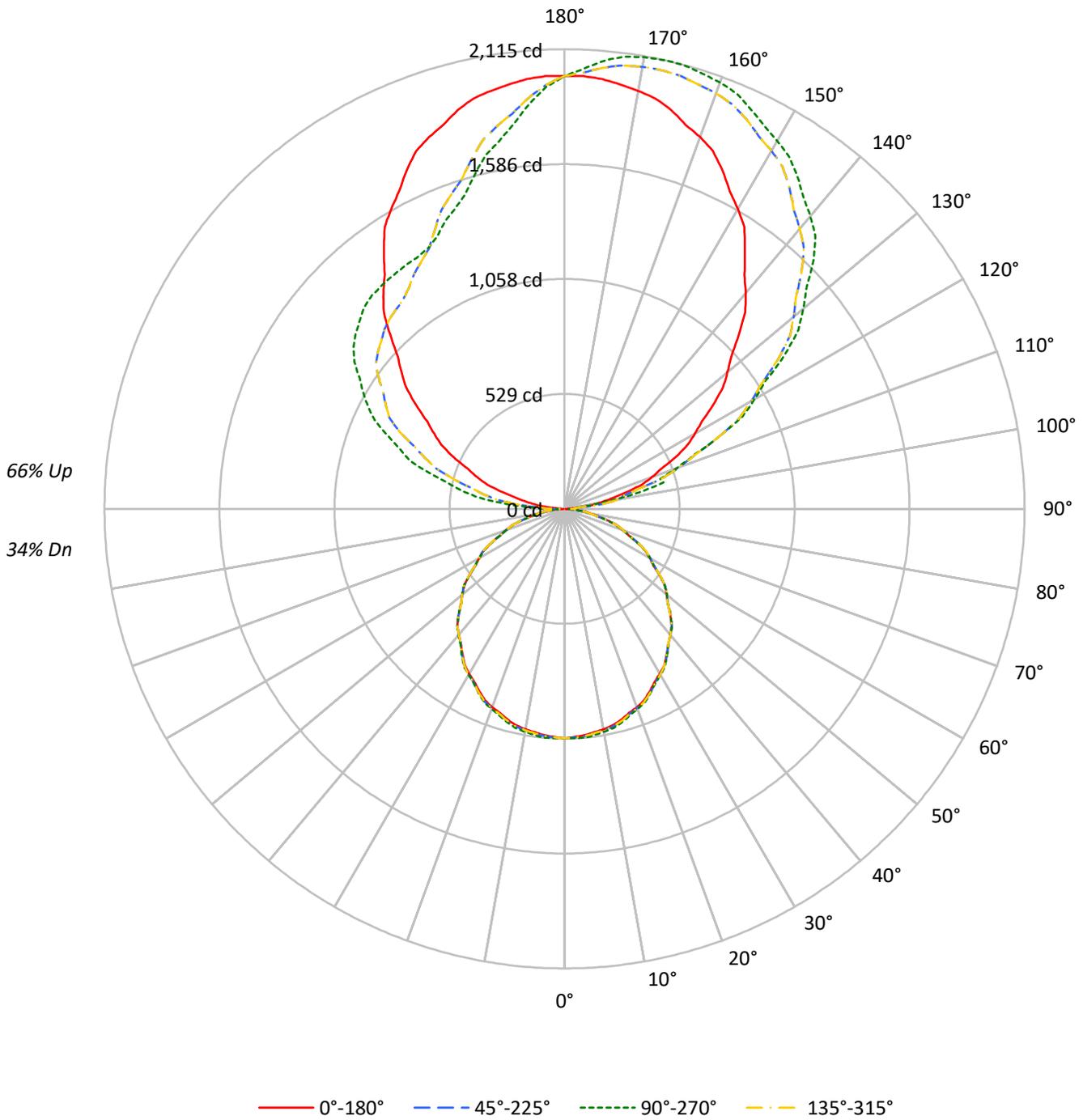
Lumens per Lamp: N/A
Luminaire Lumens: 8795.1 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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

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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	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°	17051	17051	17051	17051
5°	16948	17141	16948	17141
10°	16888	17083	16888	17083
15°	16795	17008	16795	17008
20°	16690	16855	16690	16855
25°	16509	16655	16509	16655
30°	16335	16445	16335	16445
35°	16125	16227	16125	16227
40°	15942	15989	15942	15989
45°	15709	15709	15709	15709
50°	15395	15430	15395	15430
55°	15032	15054	15032	15054
60°	14628	14628	14628	14628
65°	14151	14093	14151	14093
70°	13482	13341	13482	13341
75°	12576	12295	12576	12295
80°	11204	10646	11204	10646
85°	8948	7577	8948	7577

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 15814 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	1.1
10°-20°	285.5	3.2
20°-30°	429.8	4.9
30°-40°	514.0	5.8
40°-50°	530.7	6.0
50°-60°	478.7	5.4
60°-70°	366.7	4.2
70°-80°	211.9	2.4
80°-90°	63.3	0.7
90°-100°	158.5	1.8
100°-110°	462.2	5.3
110°-120°	754.2	8.6
120°-130°	957.1	10.9
130°-140°	1024.1	11.6
140°-150°	956.3	10.9
150°-160°	786.9	8.9
160°-170°	527.7	6.0
170°-180°	187.4	2.1
0°-30°	815.3	9.3
0°-40°	1329.3	15.1
0°-60°	2338.7	26.6
0°-90°	2980.6	33.9
90°-120°	1374.9	15.6
90°-150°	4312.4	49.0
90°-180°	5814.0	66.1
0°-180°	8795.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1056	1056	1056	1056	1056	
5°	1046	1058	1046	1058	1046	99
15°	1005	1018	1005	1018	1005	283
25°	927	935	927	935	927	427
35°	818	823	818	823	818	512
45°	688	688	688	688	688	530
55°	534	535	534	535	534	477
65°	370	369	370	369	370	366
75°	202	197	202	197	202	213
85°	48	41	48	41	48	56
90°	6	44	6	86	6	7
95°	62	46	62	272	62	75
105°	294	471	294	648	294	312
115°	563	780	563	962	563	555
125°	833	1237	833	1179	833	745
135°	1132	1619	1132	1306	1132	875
145°	1446	1867	1446	1334	1446	905
155°	1718	2028	1718	1384	1718	790
165°	1899	2114	1899	1593	1899	535
175°	1985	2070	1985	1869	1985	188
180°	1991	1991	1991	1991	1991	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
2.5°	1050.8	1055.8	1060.8	1058.7	1054.2	1052.5	1053.6	1054.5	1055.0	1055.6	1055.0
5°	1045.7	1052.3	1059.0	1056.6	1051.4	1049.0	1049.7	1051.0	1054.3	1057.6	1054.3
7.5°	1037.3	1043.9	1050.5	1048.4	1043.3	1041.2	1042.0	1043.5	1046.9	1050.3	1046.9
10°	1030.1	1036.7	1043.3	1041.0	1035.7	1033.8	1035.1	1036.7	1039.4	1042.0	1039.4
12.5°	1021.2	1027.8	1034.4	1032.5	1027.7	1025.8	1026.5	1027.9	1030.8	1033.7	1030.8
15°	1004.8	1011.4	1018.0	1016.2	1011.6	1009.8	1010.8	1012.2	1014.8	1017.5	1014.8
17.5°	985.0	991.3	997.5	995.8	991.5	989.9	991.0	992.5	994.8	997.1	994.8
20°	971.4	977.3	983.3	981.5	977.2	975.2	975.6	976.4	978.7	981.0	978.7
22.5°	954.7	960.6	966.6	965.1	961.0	958.6	957.9	958.1	960.9	963.8	960.9
25°	926.7	932.7	938.6	937.4	933.8	931.4	930.5	930.3	932.6	934.9	932.6
27.5°	897.6	902.5	907.5	906.5	903.4	901.6	900.9	900.8	902.5	904.1	902.5
30°	876.2	881.1	886.1	884.8	881.5	879.5	878.9	878.8	880.5	882.1	880.5
32.5°	853.5	858.2	862.9	861.2	857.4	855.4	855.3	855.7	857.6	859.5	857.6
35°	818.1	822.1	826.1	824.3	820.7	819.1	819.4	820.0	821.7	823.3	821.7
37.5°	782.6	785.6	788.7	786.9	783.5	781.8	781.7	782.0	783.4	784.8	783.4
40°	756.4	759.7	763.0	761.1	757.5	755.5	755.2	755.3	757.0	758.6	757.0
42.5°	729.6	732.1	734.7	733.0	729.8	728.4	728.6	729.0	729.8	730.7	729.8
45°	688.0	690.3	692.6	691.0	688.0	686.5	686.5	686.7	687.3	688.0	687.3
47.5°	644.4	646.2	648.0	646.7	644.4	643.0	642.6	642.6	643.6	644.7	643.6
50°	612.9	615.2	617.5	616.3	614.0	612.5	611.9	611.7	613.0	614.3	613.0
52.5°	581.9	584.5	587.1	586.0	583.7	582.1	581.1	580.7	581.8	582.8	581.8
55°	534.0	537.0	540.0	539.2	537.2	535.6	534.3	533.4	534.1	534.8	534.1
57.5°	485.1	488.0	490.9	490.3	488.6	487.0	485.4	484.4	485.3	486.3	485.3
60°	453.0	455.6	458.2	457.4	455.4	453.8	452.5	451.6	452.3	453.0	452.3
62.5°	420.2	422.9	425.5	424.5	422.2	420.5	419.1	418.3	419.0	419.6	419.0
65°	370.4	372.7	375.0	374.1	372.1	370.5	369.2	368.2	368.6	368.9	368.6
67.5°	320.1	322.1	324.1	323.1	321.2	319.3	317.4	316.1	316.6	317.1	316.6
70°	285.6	287.6	289.6	288.8	287.2	285.5	283.9	282.6	282.6	282.6	282.6
72.5°	252.3	254.0	255.7	254.7	252.8	251.1	249.8	248.7	248.7	248.7	248.7
75°	201.6	202.6	203.5	203.0	202.1	200.7	199.1	197.8	197.4	197.1	197.4
77.5°	152.6	152.6	152.6	151.7	150.4	149.2	147.9	146.9	146.5	146.1	146.5
80°	120.5	120.5	120.5	119.7	118.8	117.8	116.8	115.9	115.2	114.5	115.2
82.5°	90.7	90.2	89.7	88.8	87.8	86.6	85.0	84.1	84.7	85.4	84.7
85°	48.3	47.7	47.0	46.1	45.1	44.0	42.6	41.6	41.2	40.9	41.2
87.5°	16.1	17.2	18.6	19.5	19.9	19.4	18.4	17.9	18.0	17.8	18.0
90°	6.0	14.1	24.1	32.2	38.2	40.2	40.2	42.2	44.3	44.3	44.3
92.5°	22.1	35.0	35.4	35.4	43.0	46.7	49.9	50.3	52.3	52.3	52.3
95°	62.4	68.4	102.6	100.6	68.4	54.3	46.3	46.3	46.3	46.3	46.3
97.5°	119.1	127.9	133.6	179.0	189.1	182.6	148.8	125.1	111.8	105.8	111.8
100°	169.0	173.0	185.1	187.1	237.4	285.6	261.5	231.3	221.3	215.2	221.3
102.5°	218.8	221.3	239.8	248.2	259.9	287.2	370.9	361.7	354.8	353.6	354.8
105°	293.7	295.7	329.9	346.0	354.0	354.0	352.0	392.2	456.6	470.7	456.6
107.5°	373.7	383.0	423.2	466.3	475.5	477.9	467.5	461.4	459.0	460.6	459.0
110°	428.4	442.5	490.8	545.1	559.2	563.2	559.2	553.2	549.1	549.1	549.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	481.5	502.1	556.8	619.1	642.9	654.9	646.1	641.7	637.6	640.9	637.6
115°	563.2	593.4	665.8	730.2	778.4	784.5	782.5	782.5	780.5	780.5	780.5
117.5°	638.8	687.1	768.4	843.2	899.1	915.2	923.3	920.9	918.4	922.5	918.4
120°	692.0	748.3	840.8	925.3	979.6	1003.7	1011.8	1007.8	1011.8	1007.8	1011.8
122.5°	748.3	817.5	908.4	996.1	1060.1	1087.4	1097.1	1097.9	1098.7	1096.3	1098.7
125°	832.8	917.2	1023.8	1114.4	1180.7	1212.9	1221.0	1223.0	1227.0	1237.1	1227.0
127.5°	918.0	1013.8	1130.9	1218.2	1286.1	1325.2	1337.6	1342.1	1350.5	1354.9	1350.5
130°	977.6	1086.2	1204.9	1287.3	1353.7	1396.0	1418.1	1424.1	1434.2	1432.2	1434.2
132.5°	1040.3	1153.8	1274.1	1359.8	1421.3	1466.8	1485.7	1503.0	1506.6	1509.4	1506.6
135°	1132.5	1255.2	1375.9	1460.3	1518.7	1562.9	1587.1	1603.2	1613.2	1619.2	1613.2
137.5°	1229.4	1359.0	1474.8	1550.0	1608.8	1647.0	1674.4	1691.3	1701.7	1706.5	1701.7
140°	1295.4	1420.1	1532.8	1611.2	1663.5	1701.7	1725.9	1746.0	1758.0	1758.0	1758.0
142.5°	1358.2	1481.3	1590.7	1669.1	1715.0	1750.0	1775.7	1791.0	1804.7	1804.7	1804.7
145°	1446.3	1569.0	1669.5	1748.0	1786.2	1818.4	1846.5	1858.6	1866.7	1866.7	1866.7
147.5°	1538.4	1647.0	1738.7	1814.0	1846.1	1884.0	1906.1	1915.7	1925.8	1921.4	1925.8
150°	1593.1	1693.7	1782.2	1852.6	1884.8	1921.0	1943.1	1951.1	1961.2	1955.2	1961.2
152.5°	1646.2	1741.9	1822.4	1888.0	1915.3	1951.5	1976.9	1984.9	1991.8	1987.3	1991.8
155°	1717.8	1802.3	1876.7	1937.1	1961.2	1995.4	2019.5	2029.6	2037.6	2027.6	2037.6
157.5°	1781.8	1854.6	1919.4	1974.9	2000.6	2030.0	2052.5	2065.0	2073.0	2068.6	2073.0
160°	1820.4	1886.8	1945.1	1997.4	2021.5	2047.7	2071.8	2085.9	2094.0	2087.9	2094.0
162.5°	1852.6	1912.5	1967.6	2015.1	2036.0	2059.0	2087.9	2100.4	2108.4	2100.8	2108.4
165°	1898.8	1947.1	1995.4	2035.6	2053.7	2071.8	2102.0	2116.1	2122.1	2114.1	2122.1
167.5°	1933.8	1970.9	2009.9	2044.5	2057.7	2075.4	2105.6	2117.3	2124.9	2114.9	2124.9
170°	1953.2	1985.3	2019.5	2047.7	2057.7	2073.8	2104.0	2114.1	2120.1	2110.0	2120.1
172.5°	1969.2	1993.4	2021.1	2046.1	2051.3	2064.2	2092.7	2102.8	2107.2	2098.8	2107.2
175°	1985.3	1999.4	2019.5	2035.6	2033.6	2041.7	2065.8	2073.8	2081.9	2069.8	2081.9
177.5°	1993.0	1999.4	2005.9	2015.5	2009.1	2009.1	2026.8	2031.6	2033.2	2026.8	2033.2
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
2.5°	1054.5	1053.6	1052.5	1054.2	1058.7	1060.8	1055.8	1050.8	1055.8	1060.8	1058.7
5°	1051.0	1049.7	1049.0	1051.4	1056.6	1059.0	1052.3	1045.7	1052.3	1059.0	1056.6
7.5°	1043.5	1042.0	1041.2	1043.3	1048.4	1050.5	1043.9	1037.3	1043.9	1050.5	1048.4
10°	1036.7	1035.1	1033.8	1035.7	1041.0	1043.3	1036.7	1030.1	1036.7	1043.3	1041.0
12.5°	1027.9	1026.5	1025.8	1027.7	1032.5	1034.4	1027.8	1021.2	1027.8	1034.4	1032.5
15°	1012.2	1010.8	1009.8	1011.6	1016.2	1018.0	1011.4	1004.8	1011.4	1018.0	1016.2
17.5°	992.5	991.0	989.9	991.5	995.8	997.5	991.3	985.0	991.3	997.5	995.8
20°	976.4	975.6	975.2	977.2	981.5	983.3	977.3	971.4	977.3	983.3	981.5
22.5°	958.1	957.9	958.6	961.0	965.1	966.6	960.6	954.7	960.6	966.6	965.1
25°	930.3	930.5	931.4	933.8	937.4	938.6	932.7	926.7	932.7	938.6	937.4
27.5°	900.8	900.9	901.6	903.4	906.5	907.5	902.5	897.6	902.5	907.5	906.5
30°	878.8	878.9	879.5	881.5	884.8	886.1	881.1	876.2	881.1	886.1	884.8
32.5°	855.7	855.3	855.4	857.4	861.2	862.9	858.2	853.5	858.2	862.9	861.2
35°	820.0	819.4	819.1	820.7	824.3	826.1	822.1	818.1	822.1	826.1	824.3
37.5°	782.0	781.7	781.8	783.5	786.9	788.7	785.6	782.6	785.6	788.7	786.9
40°	755.3	755.2	755.5	757.5	761.1	763.0	759.7	756.4	759.7	763.0	761.1
42.5°	729.0	728.6	728.4	729.8	733.0	734.7	732.1	729.6	732.1	734.7	733.0
45°	686.7	686.5	686.5	688.0	691.0	692.6	690.3	688.0	690.3	692.6	691.0
47.5°	642.6	642.6	643.0	644.4	646.7	648.0	646.2	644.4	646.2	648.0	646.7
50°	611.7	611.9	612.5	614.0	616.3	617.5	615.2	612.9	615.2	617.5	616.3
52.5°	580.7	581.1	582.1	583.7	586.0	587.1	584.5	581.9	584.5	587.1	586.0
55°	533.4	534.3	535.6	537.2	539.2	540.0	537.0	534.0	537.0	540.0	539.2
57.5°	484.4	485.4	487.0	488.6	490.3	490.9	488.0	485.1	488.0	490.9	490.3
60°	451.6	452.5	453.8	455.4	457.4	458.2	455.6	453.0	455.6	458.2	457.4
62.5°	418.3	419.1	420.5	422.2	424.5	425.5	422.9	420.2	422.9	425.5	424.5
65°	368.2	369.2	370.5	372.1	374.1	375.0	372.7	370.4	372.7	375.0	374.1
67.5°	316.1	317.4	319.3	321.2	323.1	324.1	322.1	320.1	322.1	324.1	323.1
70°	282.6	283.9	285.5	287.2	288.8	289.6	287.6	285.6	287.6	289.6	288.8
72.5°	248.7	249.8	251.1	252.8	254.7	255.7	254.0	252.3	254.0	255.7	254.7
75°	197.8	199.1	200.7	202.1	203.0	203.5	202.6	201.6	202.6	203.5	203.0
77.5°	146.9	147.9	149.2	150.4	151.7	152.6	152.6	152.6	152.6	152.6	151.7
80°	115.9	116.8	117.8	118.8	119.7	120.5	120.5	120.5	120.5	120.5	119.7
82.5°	84.1	85.0	86.6	87.8	88.8	89.7	90.2	90.7	90.2	89.7	88.8
85°	41.6	42.6	44.0	45.1	46.1	47.0	47.7	48.3	47.7	47.0	46.1
87.5°	17.9	18.4	19.4	19.9	19.5	18.6	17.2	16.1	17.2	18.2	20.3
90°	42.2	40.2	40.2	38.2	32.2	24.1	14.1	6.0	14.1	22.1	36.2
92.5°	50.3	49.9	46.7	43.0	35.4	35.4	35.0	22.1	38.2	54.3	78.0
95°	46.3	46.3	54.3	68.4	100.6	102.6	68.4	62.4	88.5	124.7	156.9
97.5°	125.1	148.8	182.6	189.1	179.0	133.6	127.9	119.1	162.1	197.9	249.8
100°	231.3	261.5	285.6	237.4	187.1	185.1	173.0	169.0	215.2	249.4	299.7
102.5°	361.7	370.9	287.2	259.9	248.2	239.8	221.3	218.8	265.1	312.2	354.4
105°	392.2	352.0	354.0	354.0	346.0	329.9	295.7	293.7	346.0	400.3	452.6
107.5°	461.4	467.5	477.9	475.5	466.3	423.2	383.0	373.7	420.8	486.0	543.5
110°	553.2	559.2	563.2	559.2	545.1	490.8	442.5	428.4	470.7	539.1	601.4



TEST NUMBER: P1427805

CATALOG NUMBER: SQ2W-F-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	641.7	646.1	654.9	642.9	619.1	556.8	502.1	481.5	523.8	593.8	657.8
115°	782.5	782.5	784.5	778.4	730.2	665.8	593.4	563.2	599.4	663.8	734.2
117.5°	920.9	923.3	915.2	899.1	843.2	768.4	687.1	638.8	667.4	735.4	807.8
120°	1007.8	1011.8	1003.7	979.6	925.3	840.8	748.3	692.0	714.1	780.5	852.9
122.5°	1097.9	1097.1	1087.4	1060.1	996.1	908.4	817.5	748.3	757.5	819.1	889.9
125°	1223.0	1221.0	1212.9	1180.7	1114.4	1023.8	917.2	832.8	820.7	873.0	945.4
127.5°	1342.1	1337.6	1325.2	1286.1	1218.2	1130.9	1013.8	918.0	891.1	924.1	990.5
130°	1424.1	1418.1	1396.0	1353.7	1287.3	1204.9	1086.2	977.6	939.4	959.5	1017.8
132.5°	1503.0	1485.7	1466.8	1421.3	1359.8	1274.1	1153.8	1040.3	987.6	996.5	1041.9
135°	1603.2	1587.1	1562.9	1518.7	1460.3	1375.9	1255.2	1132.5	1060.1	1052.0	1078.2
137.5°	1691.3	1674.4	1647.0	1608.8	1550.0	1474.8	1359.0	1229.4	1138.1	1111.1	1121.2
140°	1746.0	1725.9	1701.7	1663.5	1611.2	1532.8	1420.1	1295.4	1192.8	1154.6	1148.6
142.5°	1791.0	1775.7	1750.0	1715.0	1669.1	1590.7	1481.3	1358.2	1249.1	1199.6	1185.6
145°	1858.6	1846.5	1818.4	1786.2	1748.0	1669.5	1569.0	1446.3	1337.6	1273.3	1243.1
147.5°	1915.7	1906.1	1884.0	1846.1	1814.0	1738.7	1647.0	1538.4	1426.9	1347.3	1308.3
150°	1951.1	1943.1	1921.0	1884.8	1852.6	1782.2	1693.7	1593.1	1486.5	1402.0	1351.7
152.5°	1984.9	1976.9	1951.5	1915.3	1888.0	1822.4	1741.9	1646.2	1538.0	1453.5	1401.6
155°	2029.6	2019.5	1995.4	1961.2	1937.1	1876.7	1802.3	1717.8	1625.3	1536.8	1478.4
157.5°	2065.0	2052.5	2030.0	2000.6	1974.9	1919.4	1854.6	1781.8	1700.9	1616.4	1556.9
160°	2085.9	2071.8	2047.7	2021.5	1997.4	1945.1	1886.8	1820.4	1746.0	1669.5	1605.2
162.5°	2100.4	2087.9	2059.0	2036.0	2015.1	1967.6	1912.5	1852.6	1786.2	1719.4	1659.9
165°	2116.1	2102.0	2071.8	2053.7	2035.6	1995.4	1947.1	1898.8	1842.5	1788.2	1739.9
167.5°	2117.3	2105.6	2075.4	2057.7	2044.5	2009.9	1970.9	1933.8	1890.0	1847.3	1807.1
170°	2114.1	2104.0	2073.8	2057.7	2047.7	2019.5	1985.3	1953.2	1919.0	1882.7	1850.6
172.5°	2102.8	2092.7	2064.2	2051.3	2046.1	2021.1	1993.4	1969.2	1939.9	1913.3	1887.6
175°	2073.8	2065.8	2041.7	2033.6	2035.6	2019.5	1999.4	1985.3	1967.2	1951.1	1937.1
177.5°	2031.6	2026.8	2009.1	2009.1	2015.5	2005.9	1999.4	1993.0	1984.9	1980.1	1975.3
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427805

CATALOG NUMBER: SQ2W-F-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
2.5°	1054.2	1052.5	1053.6	1054.5	1055.0	1055.6	1055.0	1054.5	1053.6	1052.5	1054.2
5°	1051.4	1049.0	1049.7	1051.0	1054.3	1057.6	1054.3	1051.0	1049.7	1049.0	1051.4
7.5°	1043.3	1041.2	1042.0	1043.5	1046.9	1050.3	1046.9	1043.5	1042.0	1041.2	1043.3
10°	1035.7	1033.8	1035.1	1036.7	1039.4	1042.0	1039.4	1036.7	1035.1	1033.8	1035.7
12.5°	1027.7	1025.8	1026.5	1027.9	1030.8	1033.7	1030.8	1027.9	1026.5	1025.8	1027.7
15°	1011.6	1009.8	1010.8	1012.2	1014.8	1017.5	1014.8	1012.2	1010.8	1009.8	1011.6
17.5°	991.5	989.9	991.0	992.5	994.8	997.1	994.8	992.5	991.0	989.9	991.5
20°	977.2	975.2	975.6	976.4	978.7	981.0	978.7	976.4	975.6	975.2	977.2
22.5°	961.0	958.6	957.9	958.1	960.9	963.8	960.9	958.1	957.9	958.6	961.0
25°	933.8	931.4	930.5	930.3	932.6	934.9	932.6	930.3	930.5	931.4	933.8
27.5°	903.4	901.6	900.9	900.8	902.5	904.1	902.5	900.8	900.9	901.6	903.4
30°	881.5	879.5	878.9	878.8	880.5	882.1	880.5	878.8	878.9	879.5	881.5
32.5°	857.4	855.4	855.3	855.7	857.6	859.5	857.6	855.7	855.3	855.4	857.4
35°	820.7	819.1	819.4	820.0	821.7	823.3	821.7	820.0	819.4	819.1	820.7
37.5°	783.5	781.8	781.7	782.0	783.4	784.8	783.4	782.0	781.7	781.8	783.5
40°	757.5	755.5	755.2	755.3	757.0	758.6	757.0	755.3	755.2	755.5	757.5
42.5°	729.8	728.4	728.6	729.0	729.8	730.7	729.8	729.0	728.6	728.4	729.8
45°	688.0	686.5	686.5	686.7	687.3	688.0	687.3	686.7	686.5	686.5	688.0
47.5°	644.4	643.0	642.6	642.6	643.6	644.7	643.6	642.6	642.6	643.0	644.4
50°	614.0	612.5	611.9	611.7	613.0	614.3	613.0	611.7	611.9	612.5	614.0
52.5°	583.7	582.1	581.1	580.7	581.8	582.8	581.8	580.7	581.1	582.1	583.7
55°	537.2	535.6	534.3	533.4	534.1	534.8	534.1	533.4	534.3	535.6	537.2
57.5°	488.6	487.0	485.4	484.4	485.3	486.3	485.3	484.4	485.4	487.0	488.6
60°	455.4	453.8	452.5	451.6	452.3	453.0	452.3	451.6	452.5	453.8	455.4
62.5°	422.2	420.5	419.1	418.3	419.0	419.6	419.0	418.3	419.1	420.5	422.2
65°	372.1	370.5	369.2	368.2	368.6	368.9	368.6	368.2	369.2	370.5	372.1
67.5°	321.2	319.3	317.4	316.1	316.6	317.1	316.6	316.1	317.4	319.3	321.2
70°	287.2	285.5	283.9	282.6	282.6	282.6	282.6	282.6	283.9	285.5	287.2
72.5°	252.8	251.1	249.8	248.7	248.7	248.7	248.7	248.7	249.8	251.1	252.8
75°	202.1	200.7	199.1	197.8	197.4	197.1	197.4	197.8	199.1	200.7	202.1
77.5°	150.4	149.2	147.9	146.9	146.5	146.1	146.5	146.9	147.9	149.2	150.4
80°	118.8	117.8	116.8	115.9	115.2	114.5	115.2	115.9	116.8	117.8	118.8
82.5°	87.8	86.6	85.0	84.1	84.7	85.4	84.7	84.1	85.0	86.6	87.8
85°	45.1	44.0	42.6	41.6	41.2	40.9	41.2	41.6	42.6	44.0	45.1
87.5°	21.5	23.4	25.2	25.9	27.3	26.2	27.3	25.9	25.2	23.4	21.5
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1427805

CATALOG NUMBER: SQ2W-F-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	721.3	768.4	810.6	840.8	866.1	877.4	866.1	840.8	810.6	768.4	721.3
115°	804.6	866.9	905.2	933.3	951.4	961.5	951.4	933.3	905.2	866.9	804.6
117.5°	873.8	939.0	980.8	1002.5	1011.0	1018.2	1011.0	1002.5	980.8	939.0	873.8
120°	917.2	977.6	1025.9	1054.0	1064.1	1068.1	1064.1	1054.0	1025.9	977.6	917.2
122.5°	957.5	1014.6	1061.3	1095.9	1112.4	1116.4	1112.4	1095.9	1061.3	1014.6	957.5
125°	1013.8	1068.1	1116.4	1150.6	1168.7	1178.7	1168.7	1150.6	1116.4	1068.1	1013.8
127.5°	1062.9	1121.6	1165.9	1196.8	1214.5	1222.6	1214.5	1196.8	1165.9	1121.6	1062.9
130°	1090.2	1150.6	1194.8	1229.0	1245.1	1253.2	1245.1	1229.0	1194.8	1150.6	1090.2
132.5°	1111.1	1174.7	1220.6	1251.5	1269.2	1277.3	1269.2	1251.5	1220.6	1174.7	1111.1
135°	1136.5	1202.9	1251.1	1281.3	1297.4	1305.5	1297.4	1281.3	1251.1	1202.9	1136.5
137.5°	1158.6	1219.0	1269.2	1301.0	1315.5	1320.7	1315.5	1301.0	1269.2	1219.0	1158.6
140°	1174.7	1227.0	1277.3	1307.5	1323.6	1325.6	1323.6	1307.5	1277.3	1227.0	1174.7
142.5°	1195.6	1236.7	1280.5	1310.7	1326.8	1330.4	1326.8	1310.7	1280.5	1236.7	1195.6
145°	1233.0	1257.2	1287.3	1315.5	1329.6	1333.6	1329.6	1315.5	1287.3	1257.2	1233.0
147.5°	1280.1	1287.8	1303.4	1321.9	1335.6	1338.4	1335.6	1321.9	1303.4	1287.8	1280.1
150°	1315.5	1313.5	1319.5	1331.6	1343.7	1341.7	1343.7	1331.6	1319.5	1313.5	1315.5
152.5°	1355.7	1344.1	1343.7	1349.3	1354.9	1354.5	1354.9	1349.3	1343.7	1344.1	1355.7
155°	1424.1	1402.0	1389.9	1385.9	1385.9	1383.9	1385.9	1385.9	1389.9	1402.0	1424.1
157.5°	1499.4	1468.4	1450.3	1440.6	1437.8	1433.4	1437.8	1440.6	1450.3	1468.4	1499.4
160°	1550.9	1516.7	1498.6	1482.5	1476.4	1470.4	1476.4	1482.5	1498.6	1516.7	1550.9
162.5°	1599.1	1566.5	1546.8	1532.3	1526.3	1517.1	1526.3	1532.3	1546.8	1566.5	1599.1
165°	1677.6	1643.4	1621.3	1609.2	1601.1	1593.1	1601.1	1609.2	1621.3	1643.4	1677.6
167.5°	1756.0	1718.6	1704.1	1690.5	1682.8	1668.3	1682.8	1690.5	1704.1	1718.6	1756.0
170°	1804.3	1770.1	1762.1	1750.0	1735.9	1719.8	1735.9	1750.0	1762.1	1770.1	1804.3
172.5°	1846.1	1823.2	1815.2	1803.1	1798.7	1785.8	1798.7	1803.1	1815.2	1823.2	1846.1
175°	1906.9	1888.8	1888.8	1886.8	1880.7	1868.7	1880.7	1886.8	1888.8	1888.8	1906.9
177.5°	1957.6	1947.9	1954.4	1954.4	1952.7	1941.5	1952.7	1954.4	1954.4	1947.9	1957.6
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427805

CATALOG NUMBER: SQ2W-F-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1056.1	1056.1	1056.1	1056.1
2.5°	1058.7	1060.8	1055.8	1050.8
5°	1056.6	1059.0	1052.3	1045.7
7.5°	1048.4	1050.5	1043.9	1037.3
10°	1041.0	1043.3	1036.7	1030.1
12.5°	1032.5	1034.4	1027.8	1021.2
15°	1016.2	1018.0	1011.4	1004.8
17.5°	995.8	997.5	991.3	985.0
20°	981.5	983.3	977.3	971.4
22.5°	965.1	966.6	960.6	954.7
25°	937.4	938.6	932.7	926.7
27.5°	906.5	907.5	902.5	897.6
30°	884.8	886.1	881.1	876.2
32.5°	861.2	862.9	858.2	853.5
35°	824.3	826.1	822.1	818.1
37.5°	786.9	788.7	785.6	782.6
40°	761.1	763.0	759.7	756.4
42.5°	733.0	734.7	732.1	729.6
45°	691.0	692.6	690.3	688.0
47.5°	646.7	648.0	646.2	644.4
50°	616.3	617.5	615.2	612.9
52.5°	586.0	587.1	584.5	581.9
55°	539.2	540.0	537.0	534.0
57.5°	490.3	490.9	488.0	485.1
60°	457.4	458.2	455.6	453.0
62.5°	424.5	425.5	422.9	420.2
65°	374.1	375.0	372.7	370.4
67.5°	323.1	324.1	322.1	320.1
70°	288.8	289.6	287.6	285.6
72.5°	254.7	255.7	254.0	252.3
75°	203.0	203.5	202.6	201.6
77.5°	151.7	152.6	152.6	152.6
80°	119.7	120.5	120.5	120.5
82.5°	88.8	89.7	90.2	90.7
85°	46.1	47.0	47.7	48.3
87.5°	20.3	18.2	17.2	16.1
90°	36.2	22.1	14.1	6.0
92.5°	78.0	54.3	38.2	22.1
95°	156.9	124.7	88.5	62.4
97.5°	249.8	197.9	162.1	119.1
100°	299.7	249.4	215.2	169.0
102.5°	354.4	312.2	265.1	218.8
105°	452.6	400.3	346.0	293.7
107.5°	543.5	486.0	420.8	373.7
110°	601.4	539.1	470.7	428.4



TEST NUMBER: P1427805

CATALOG NUMBER: SQ2W-F-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	657.8	593.8	523.8	481.5
115°	734.2	663.8	599.4	563.2
117.5°	807.8	735.4	667.4	638.8
120°	852.9	780.5	714.1	692.0
122.5°	889.9	819.1	757.5	748.3
125°	945.4	873.0	820.7	832.8
127.5°	990.5	924.1	891.1	918.0
130°	1017.8	959.5	939.4	977.6
132.5°	1041.9	996.5	987.6	1040.3
135°	1078.2	1052.0	1060.1	1132.5
137.5°	1121.2	1111.1	1138.1	1229.4
140°	1148.6	1154.6	1192.8	1295.4
142.5°	1185.6	1199.6	1249.1	1358.2
145°	1243.1	1273.3	1337.6	1446.3
147.5°	1308.3	1347.3	1426.9	1538.4
150°	1351.7	1402.0	1486.5	1593.1
152.5°	1401.6	1453.5	1538.0	1646.2
155°	1478.4	1536.8	1625.3	1717.8
157.5°	1556.9	1616.4	1700.9	1781.8
160°	1605.2	1669.5	1746.0	1820.4
162.5°	1659.9	1719.4	1786.2	1852.6
165°	1739.9	1788.2	1842.5	1898.8
167.5°	1807.1	1847.3	1890.0	1933.8
170°	1850.6	1882.7	1919.0	1953.2
172.5°	1887.6	1913.3	1939.9	1969.2
175°	1937.1	1951.1	1967.2	1985.3
177.5°	1975.3	1980.1	1984.9	1993.0
180°	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427805
 CATALOG NUMBER: SQ2W-F-K-150U-075D-L935-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	16.01	16.75	17.09	17.83	19.32	15.92	16.66	17.01	17.75	19.23
	3H	17.79	18.45	18.88	19.55	21.05	17.69	18.35	18.78	19.44	20.94
	4H	18.48	19.11	19.58	20.20	21.71	18.37	19.00	19.47	20.09	21.60
	6H	18.91	19.49	20.02	20.59	22.11	18.77	19.35	19.88	20.45	21.96
	8H	19.07	19.62	20.18	20.73	22.24	18.91	19.46	20.03	20.58	22.09
	12H	19.15	19.67	20.27	20.78	22.31	18.97	19.50	20.09	20.60	22.14
4H	2H	16.57	17.20	17.68	18.30	19.80	16.51	17.14	17.62	18.23	19.74
	3H	18.59	19.11	19.70	20.23	21.75	18.49	19.02	19.61	20.14	21.66
	4H	19.39	19.88	20.51	20.99	22.53	19.28	19.77	20.40	20.88	22.42
	6H	19.94	20.35	21.07	21.49	23.02	19.80	20.21	20.92	21.35	22.88
	8H	20.15	20.54	21.28	21.66	23.21	19.99	20.38	21.12	21.50	23.05
	12H	20.26	20.61	21.40	21.75	23.30	20.07	20.42	21.22	21.56	23.11
8H	4H	19.63	20.02	20.75	21.14	22.69	19.53	19.92	20.66	21.04	22.59
	6H	20.31	20.63	21.46	21.80	23.34	20.18	20.50	21.33	21.67	23.21
	8H	20.62	20.90	21.77	22.04	23.61	20.46	20.74	21.61	21.89	23.45
	12H	20.79	21.04	21.95	22.18	23.78	20.60	20.85	21.76	21.99	23.59
12H	4H	19.62	19.97	20.76	21.10	22.66	19.52	19.87	20.67	21.01	22.56
	6H	20.36	20.64	21.51	21.79	23.35	20.24	20.52	21.39	21.66	23.23
	8H	20.69	20.94	21.85	22.08	23.68	20.54	20.78	21.70	21.93	23.53