

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: P1427743

Luminaire Tested: SQ2W-F-K-075U-125D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427743
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-075U-125D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

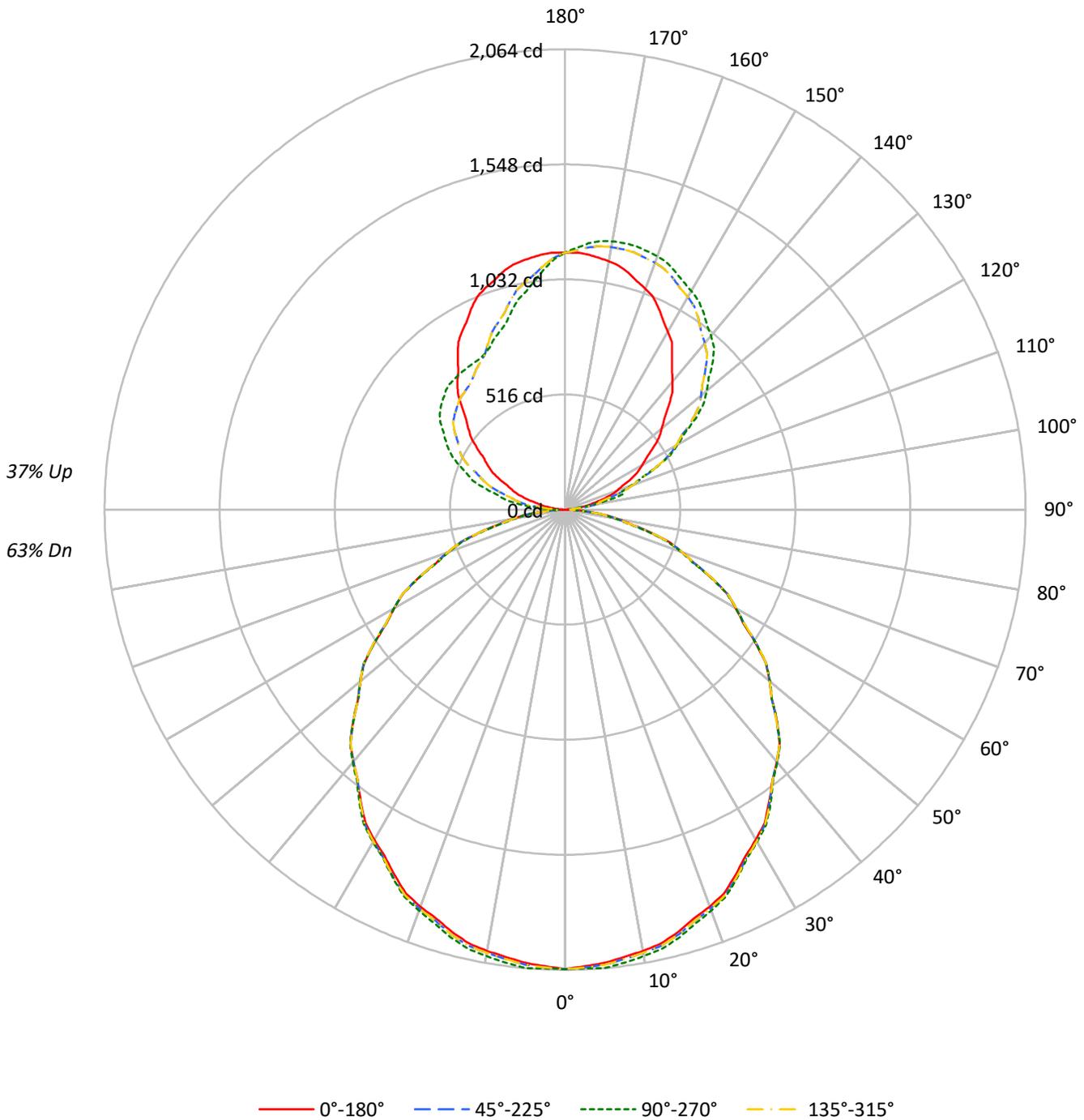
Lumens per Lamp: N/A
Luminaire Lumens: 9169.2 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 72.8
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	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	63
1	101	96	92	88	94	90	87	83	79	77	74	69	67	66	60	59	57	53
2	91	84	77	72	85	79	73	68	69	65	61	61	57	54	53	50	48	44
3	83	73	66	60	78	69	62	57	61	56	51	53	49	46	46	43	41	37
4	76	65	57	50	71	61	54	48	54	48	43	47	43	39	41	38	35	32
5	70	58	49	43	65	55	47	41	48	42	37	43	38	34	37	33	30	27
6	64	52	43	37	60	49	41	36	44	37	33	38	33	30	34	30	27	24
7	60	47	39	33	56	44	37	31	39	33	29	35	30	26	31	27	24	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	19
9	51	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	17
10	48	36	28	23	45	34	27	22	30	25	21	27	22	19	24	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	33270	33270	33270	33270
5°	33068	33444	33068	33444
10°	32950	33330	32950	33330
15°	32768	33181	32768	33181
20°	32561	32886	32561	32886
25°	32211	32494	32211	32494
30°	31869	32085	31869	32085
35°	31461	31662	31461	31662
40°	31105	31195	31105	31195
45°	30649	30649	30649	30649
50°	30034	30106	30034	30106
55°	29328	29368	29328	29368
60°	28536	28536	28536	28536
65°	27606	27495	27606	27495
70°	26303	26030	26303	26030
75°	24528	23986	24528	23986
80°	21859	20781	21859	20781
85°	17469	14783	17469	14783

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 30855 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.0	2.1
10°-20°	557.1	6.1
20°-30°	838.6	9.1
30°-40°	1002.8	10.9
40°-50°	1035.5	11.3
50°-60°	934.0	10.2
60°-70°	715.5	7.8
70°-80°	413.5	4.5
80°-90°	112.2	1.2
90°-100°	91.7	1.0
100°-110°	267.5	2.9
110°-120°	436.5	4.8
120°-130°	553.9	6.0
130°-140°	592.7	6.5
140°-150°	553.5	6.0
150°-160°	455.4	5.0
160°-170°	305.4	3.3
170°-180°	108.5	1.2
0°-30°	1590.6	17.3
0°-40°	2593.4	28.3
0°-60°	4562.9	49.8
0°-90°	5804.0	63.3
90°-120°	795.8	8.7
90°-150°	2495.9	27.2
90°-180°	3365.0	36.7
0°-180°	9169.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2061	2061	2061	2061	2061	
5°	2040	2064	2040	2064	2040	194
15°	1960	1985	1960	1985	1960	553
25°	1808	1824	1808	1824	1808	833
35°	1596	1606	1596	1606	1596	999
45°	1342	1342	1342	1342	1342	1034
55°	1042	1043	1042	1043	1042	931
65°	723	720	723	720	723	714
75°	393	384	393	384	393	416
85°	94	80	94	80	94	110
90°	4	26	4	50	4	7
95°	36	27	36	157	36	44
105°	170	272	170	375	170	181
115°	326	452	326	556	326	321
125°	482	716	482	682	482	431
135°	655	937	655	756	655	506
145°	837	1080	837	772	837	524
155°	994	1174	994	801	994	457
165°	1099	1224	1099	922	1099	309
175°	1149	1198	1149	1082	1149	109
180°	1153	1153	1153	1153	1153	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6
2.5°	2050.1	2059.9	2069.7	2065.6	2056.8	2053.5	2055.5	2057.3	2058.4	2059.4	2058.4
5°	2040.3	2053.2	2066.1	2061.5	2051.2	2046.7	2048.0	2050.6	2057.0	2063.5	2057.0
7.5°	2023.7	2036.6	2049.5	2045.4	2035.6	2031.4	2033.0	2035.8	2042.5	2049.2	2042.5
10°	2009.8	2022.7	2035.6	2031.1	2020.7	2016.9	2019.5	2022.7	2027.8	2033.0	2027.8
12.5°	1992.4	2005.3	2018.2	2014.4	2005.1	2001.3	2002.8	2005.4	2011.1	2016.7	2011.1
15°	1960.4	1973.3	1986.2	1982.7	1973.7	1970.1	1972.1	1974.8	1980.0	1985.1	1980.0
17.5°	1921.8	1934.0	1946.1	1942.8	1934.5	1931.4	1933.5	1936.3	1940.8	1945.4	1940.8
20°	1895.1	1906.8	1918.4	1915.0	1906.6	1902.7	1903.4	1905.0	1909.5	1914.0	1909.5
22.5°	1862.6	1874.2	1885.9	1882.9	1875.0	1870.3	1868.9	1869.2	1874.8	1880.3	1874.8
25°	1808.1	1819.7	1831.3	1828.9	1821.8	1817.3	1815.3	1815.0	1819.5	1824.0	1819.5
27.5°	1751.2	1760.9	1770.5	1768.5	1762.6	1759.0	1757.7	1757.5	1760.7	1764.0	1760.7
30°	1709.4	1719.1	1728.7	1726.3	1719.9	1716.0	1714.7	1714.6	1717.8	1721.0	1717.8
32.5°	1665.3	1674.4	1683.6	1680.3	1672.8	1668.9	1668.7	1669.4	1673.2	1676.9	1673.2
35°	1596.2	1604.0	1611.7	1608.3	1601.2	1598.0	1598.6	1599.9	1603.1	1606.4	1603.1
37.5°	1526.9	1532.8	1538.7	1535.3	1528.7	1525.3	1525.2	1525.8	1528.5	1531.2	1528.5
40°	1475.8	1482.2	1488.7	1485.0	1477.9	1474.0	1473.4	1473.7	1476.9	1480.1	1476.9
42.5°	1423.5	1428.4	1433.3	1430.0	1424.0	1421.1	1421.5	1422.2	1423.9	1425.6	1423.9
45°	1342.3	1346.8	1351.3	1348.1	1342.3	1339.4	1339.4	1339.7	1341.0	1342.3	1341.0
47.5°	1257.2	1260.7	1264.2	1261.7	1257.2	1254.5	1253.8	1253.7	1255.8	1257.8	1255.8
50°	1195.7	1200.2	1204.7	1202.5	1198.0	1195.1	1193.8	1193.5	1196.0	1198.6	1196.0
52.5°	1135.3	1140.4	1145.4	1143.3	1138.8	1135.6	1133.8	1133.0	1135.0	1137.1	1135.0
55°	1041.9	1047.7	1053.5	1052.1	1048.2	1045.0	1042.4	1040.8	1042.1	1043.3	1042.1
57.5°	946.4	952.1	957.8	956.7	953.3	950.1	947.0	945.1	946.9	948.7	946.9
60°	883.7	888.9	894.0	892.4	888.6	885.3	882.8	881.1	882.4	883.7	882.4
62.5°	819.9	825.0	830.2	828.2	823.8	820.3	817.7	816.1	817.4	818.7	817.4
65°	722.6	727.2	731.7	729.9	726.0	722.8	720.2	718.5	719.1	719.7	719.1
67.5°	624.6	628.4	632.3	630.5	626.7	623.0	619.2	616.7	617.7	618.8	617.7
70°	557.2	561.1	565.0	563.5	560.3	557.1	553.8	551.4	551.4	551.4	551.4
72.5°	492.2	495.6	498.9	497.0	493.2	490.0	487.3	485.2	485.2	485.2	485.2
75°	393.2	395.2	397.1	396.2	394.2	391.6	388.4	385.8	385.2	384.5	385.2
77.5°	297.8	297.8	297.8	295.9	293.5	291.0	288.6	286.5	285.8	285.0	285.8
80°	235.1	235.1	235.1	233.6	231.7	229.8	227.8	226.0	224.8	223.5	224.8
82.5°	177.0	176.0	175.0	173.3	171.3	168.9	165.9	164.0	165.3	166.6	165.3
85°	94.3	93.0	91.7	90.0	88.0	85.8	83.2	81.1	80.5	79.8	80.5
87.5°	29.7	29.6	29.8	29.3	28.4	26.8	24.8	23.3	23.1	22.5	23.1
90°	3.5	8.1	14.0	18.6	22.1	23.3	23.3	24.4	25.6	25.6	25.6
92.5°	12.8	20.3	20.5	20.5	24.9	27.0	28.9	29.1	30.3	30.3	30.3
95°	36.1	39.6	59.4	58.2	39.6	31.4	26.8	26.8	26.8	26.8	26.8
97.5°	68.9	74.0	77.3	103.6	109.4	105.7	86.2	72.4	64.7	61.2	64.7
100°	97.8	100.1	107.1	108.3	137.4	165.3	151.3	133.9	128.1	124.6	128.1
102.5°	126.7	128.1	138.8	143.7	150.4	166.2	214.7	209.3	205.4	204.7	205.4
105°	170.0	171.1	190.9	200.2	204.9	204.9	203.7	227.0	264.3	272.4	264.3
107.5°	216.3	221.7	244.9	269.9	275.2	276.6	270.6	267.1	265.7	266.6	265.7
110°	248.0	256.1	284.1	315.5	323.6	326.0	323.6	320.2	317.8	317.8	317.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	278.7	290.6	322.3	358.3	372.1	379.1	373.9	371.4	369.1	370.9	369.1
115°	326.0	343.4	385.4	422.6	450.5	454.0	452.9	452.9	451.7	451.7	451.7
117.5°	369.7	397.7	444.7	488.0	520.4	529.7	534.4	533.0	531.6	533.9	531.6
120°	400.5	433.1	486.6	535.5	567.0	580.9	585.6	583.3	585.6	583.3	585.6
122.5°	433.1	473.1	525.8	576.5	613.5	629.4	635.0	635.4	635.9	634.5	635.9
125°	482.0	530.9	592.6	645.0	683.4	702.0	706.7	707.8	710.2	716.0	710.2
127.5°	531.3	586.8	654.5	705.0	744.4	767.0	774.2	776.8	781.6	784.2	781.6
130°	565.8	628.7	697.4	745.1	783.5	808.0	820.8	824.3	830.1	828.9	830.1
132.5°	602.1	667.8	737.4	787.0	822.6	848.9	859.9	869.9	872.0	873.6	872.0
135°	655.4	726.5	796.3	845.2	879.0	904.6	918.6	927.9	933.7	937.2	933.7
137.5°	711.6	786.5	853.6	897.1	931.1	953.2	969.1	978.9	984.9	987.7	984.9
140°	749.7	821.9	887.1	932.5	962.8	984.9	998.9	1010.5	1017.5	1017.5	1017.5
142.5°	786.1	857.3	920.6	966.1	992.6	1012.9	1027.8	1036.6	1044.5	1044.5	1044.5
145°	837.1	908.1	966.3	1011.7	1033.8	1052.4	1068.7	1075.7	1080.4	1080.4	1080.4
147.5°	890.4	953.2	1006.3	1049.9	1068.5	1090.4	1103.2	1108.8	1114.6	1112.0	1114.6
150°	922.0	980.3	1031.5	1072.2	1090.9	1111.8	1124.6	1129.3	1135.1	1131.6	1135.1
152.5°	952.8	1008.2	1054.8	1092.7	1108.6	1129.5	1144.2	1148.8	1152.8	1150.2	1152.8
155°	994.2	1043.1	1086.2	1121.1	1135.1	1154.9	1168.9	1174.7	1179.3	1173.5	1179.3
157.5°	1031.2	1073.4	1110.9	1143.0	1157.9	1174.9	1187.9	1195.2	1199.8	1197.3	1199.8
160°	1053.6	1092.0	1125.8	1156.1	1170.0	1185.2	1199.1	1207.3	1211.9	1208.4	1211.9
162.5°	1072.2	1106.9	1138.8	1166.3	1178.4	1191.7	1208.4	1215.7	1220.3	1215.9	1220.3
165°	1099.0	1126.9	1154.9	1178.2	1188.6	1199.1	1216.6	1224.7	1228.2	1223.6	1228.2
167.5°	1119.3	1140.7	1163.3	1183.3	1191.0	1201.2	1218.7	1225.4	1229.9	1224.0	1229.9
170°	1130.4	1149.1	1168.9	1185.2	1191.0	1200.3	1217.8	1223.6	1227.1	1221.2	1227.1
172.5°	1139.8	1153.7	1169.8	1184.2	1187.3	1194.7	1211.2	1217.1	1219.6	1214.7	1219.6
175°	1149.1	1157.2	1168.9	1178.2	1177.0	1181.7	1195.6	1200.3	1204.9	1198.0	1204.9
177.5°	1153.5	1157.2	1160.9	1166.5	1162.8	1162.8	1173.0	1175.8	1176.8	1173.0	1176.8
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6
2.5°	2057.3	2055.5	2053.5	2056.8	2065.6	2069.7	2059.9	2050.1	2059.9	2069.7	2065.6
5°	2050.6	2048.0	2046.7	2051.2	2061.5	2066.1	2053.2	2040.3	2053.2	2066.1	2061.5
7.5°	2035.8	2033.0	2031.4	2035.6	2045.4	2049.5	2036.6	2023.7	2036.6	2049.5	2045.4
10°	2022.7	2019.5	2016.9	2020.7	2031.1	2035.6	2022.7	2009.8	2022.7	2035.6	2031.1
12.5°	2005.4	2002.8	2001.3	2005.1	2014.4	2018.2	2005.3	1992.4	2005.3	2018.2	2014.4
15°	1974.8	1972.1	1970.1	1973.7	1982.7	1986.2	1973.3	1960.4	1973.3	1986.2	1982.7
17.5°	1936.3	1933.5	1931.4	1934.5	1942.8	1946.1	1934.0	1921.8	1934.0	1946.1	1942.8
20°	1905.0	1903.4	1902.7	1906.6	1915.0	1918.4	1906.8	1895.1	1906.8	1918.4	1915.0
22.5°	1869.2	1868.9	1870.3	1875.0	1882.9	1885.9	1874.2	1862.6	1874.2	1885.9	1882.9
25°	1815.0	1815.3	1817.3	1821.8	1828.9	1831.3	1819.7	1808.1	1819.7	1831.3	1828.9
27.5°	1757.5	1757.7	1759.0	1762.6	1768.5	1770.5	1760.9	1751.2	1760.9	1770.5	1768.5
30°	1714.6	1714.7	1716.0	1719.9	1726.3	1728.7	1719.1	1709.4	1719.1	1728.7	1726.3
32.5°	1669.4	1668.7	1668.9	1672.8	1680.3	1683.6	1674.4	1665.3	1674.4	1683.6	1680.3
35°	1599.9	1598.6	1598.0	1601.2	1608.3	1611.7	1604.0	1596.2	1604.0	1611.7	1608.3
37.5°	1525.8	1525.2	1525.3	1528.7	1535.3	1538.7	1532.8	1526.9	1532.8	1538.7	1535.3
40°	1473.7	1473.4	1474.0	1477.9	1485.0	1488.7	1482.2	1475.8	1482.2	1488.7	1485.0
42.5°	1422.2	1421.5	1421.1	1424.0	1430.0	1433.3	1428.4	1423.5	1428.4	1433.3	1430.0
45°	1339.7	1339.4	1339.4	1342.3	1348.1	1351.3	1346.8	1342.3	1346.8	1351.3	1348.1
47.5°	1253.7	1253.8	1254.5	1257.2	1261.7	1264.2	1260.7	1257.2	1260.7	1264.2	1261.7
50°	1193.5	1193.8	1195.1	1198.0	1202.5	1204.7	1200.2	1195.7	1200.2	1204.7	1202.5
52.5°	1133.0	1133.8	1135.6	1138.8	1143.3	1145.4	1140.4	1135.3	1140.4	1145.4	1143.3
55°	1040.8	1042.4	1045.0	1048.2	1052.1	1053.5	1047.7	1041.9	1047.7	1053.5	1052.1
57.5°	945.1	947.0	950.1	953.3	956.7	957.8	952.1	946.4	952.1	957.8	956.7
60°	881.1	882.8	885.3	888.6	892.4	894.0	888.9	883.7	888.9	894.0	892.4
62.5°	816.1	817.7	820.3	823.8	828.2	830.2	825.0	819.9	825.0	830.2	828.2
65°	718.5	720.2	722.8	726.0	729.9	731.7	727.2	722.6	727.2	731.7	729.9
67.5°	616.7	619.2	623.0	626.7	630.5	632.3	628.4	624.6	628.4	632.3	630.5
70°	551.4	553.8	557.1	560.3	563.5	565.0	561.1	557.2	561.1	565.0	563.5
72.5°	485.2	487.3	490.0	493.2	497.0	498.9	495.6	492.2	495.6	498.9	497.0
75°	385.8	388.4	391.6	394.2	396.2	397.1	395.2	393.2	395.2	397.1	396.2
77.5°	286.5	288.6	291.0	293.5	295.9	297.8	297.8	297.8	297.8	297.8	295.9
80°	226.0	227.8	229.8	231.7	233.6	235.1	235.1	235.1	235.1	235.1	233.6
82.5°	164.0	165.9	168.9	171.3	173.3	175.0	176.0	177.0	176.0	175.0	173.3
85°	81.1	83.2	85.8	88.0	90.0	91.7	93.0	94.3	93.0	91.7	90.0
87.5°	23.3	24.8	26.8	28.4	29.3	29.8	29.6	29.7	29.6	29.5	29.7
90°	24.4	23.3	23.3	22.1	18.6	14.0	8.1	3.5	8.1	12.8	21.0
92.5°	29.1	28.9	27.0	24.9	20.5	20.5	20.3	12.8	22.1	31.4	45.2
95°	26.8	26.8	31.4	39.6	58.2	59.4	39.6	36.1	51.2	72.2	90.8
97.5°	72.4	86.2	105.7	109.4	103.6	77.3	74.0	68.9	93.8	114.6	144.6
100°	133.9	151.3	165.3	137.4	108.3	107.1	100.1	97.8	124.6	144.4	173.5
102.5°	209.3	214.7	166.2	150.4	143.7	138.8	128.1	126.7	153.4	180.7	205.1
105°	227.0	203.7	204.9	204.9	200.2	190.9	171.1	170.0	200.2	231.7	261.9
107.5°	267.1	270.6	276.6	275.2	269.9	244.9	221.7	216.3	243.6	281.3	314.6
110°	320.2	323.6	326.0	323.6	315.5	284.1	256.1	248.0	272.4	312.0	348.1



TEST NUMBER: P1427743

CATALOG NUMBER: SQ2W-F-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	371.4	373.9	379.1	372.1	358.3	322.3	290.6	278.7	303.2	343.7	380.7
115°	452.9	452.9	454.0	450.5	422.6	385.4	343.4	326.0	346.9	384.2	424.9
117.5°	533.0	534.4	529.7	520.4	488.0	444.7	397.7	369.7	386.3	425.6	467.5
120°	583.3	585.6	580.9	567.0	535.5	486.6	433.1	400.5	413.3	451.7	493.6
122.5°	635.4	635.0	629.4	613.5	576.5	525.8	473.1	433.1	438.4	474.1	515.0
125°	707.8	706.7	702.0	683.4	645.0	592.6	530.9	482.0	475.0	505.3	547.2
127.5°	776.8	774.2	767.0	744.4	705.0	654.5	586.8	531.3	515.7	534.8	573.3
130°	824.3	820.8	808.0	783.5	745.1	697.4	628.7	565.8	543.7	555.3	589.1
132.5°	869.9	859.9	848.9	822.6	787.0	737.4	667.8	602.1	571.6	576.7	603.1
135°	927.9	918.6	904.6	879.0	845.2	796.3	726.5	655.4	613.5	608.9	624.0
137.5°	978.9	969.1	953.2	931.1	897.1	853.6	786.5	711.6	658.7	643.1	648.9
140°	1010.5	998.9	984.9	962.8	932.5	887.1	821.9	749.7	690.4	668.3	664.8
142.5°	1036.6	1027.8	1012.9	992.6	966.1	920.6	857.3	786.1	723.0	694.3	686.2
145°	1075.7	1068.7	1052.4	1033.8	1011.7	966.3	908.1	837.1	774.2	736.9	719.5
147.5°	1108.8	1103.2	1090.4	1068.5	1049.9	1006.3	953.2	890.4	825.9	779.8	757.2
150°	1129.3	1124.6	1111.8	1090.9	1072.2	1031.5	980.3	922.0	860.3	811.4	782.3
152.5°	1148.8	1144.2	1129.5	1108.6	1092.7	1054.8	1008.2	952.8	890.1	841.3	811.2
155°	1174.7	1168.9	1154.9	1135.1	1121.1	1086.2	1043.1	994.2	940.7	889.4	855.7
157.5°	1195.2	1187.9	1174.9	1157.9	1143.0	1110.9	1073.4	1031.2	984.4	935.6	901.1
160°	1207.3	1199.1	1185.2	1170.0	1156.1	1125.8	1092.0	1053.6	1010.5	966.3	929.0
162.5°	1215.7	1208.4	1191.7	1178.4	1166.3	1138.8	1106.9	1072.2	1033.8	995.2	960.7
165°	1224.7	1216.6	1199.1	1188.6	1178.2	1154.9	1126.9	1099.0	1066.4	1035.0	1007.0
167.5°	1225.4	1218.7	1201.2	1191.0	1183.3	1163.3	1140.7	1119.3	1093.9	1069.2	1045.9
170°	1223.6	1217.8	1200.3	1191.0	1185.2	1168.9	1149.1	1130.4	1110.6	1089.7	1071.1
172.5°	1217.1	1211.2	1194.7	1187.3	1184.2	1169.8	1153.7	1139.8	1122.8	1107.4	1092.5
175°	1200.3	1195.6	1181.7	1177.0	1178.2	1168.9	1157.2	1149.1	1138.6	1129.3	1121.1
177.5°	1175.8	1173.0	1162.8	1162.8	1166.5	1160.9	1157.2	1153.5	1148.8	1146.0	1143.2
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1427743

CATALOG NUMBER: SQ2W-F-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6
2.5°	2056.8	2053.5	2055.5	2057.3	2058.4	2059.4	2058.4	2057.3	2055.5	2053.5	2056.8
5°	2051.2	2046.7	2048.0	2050.6	2057.0	2063.5	2057.0	2050.6	2048.0	2046.7	2051.2
7.5°	2035.6	2031.4	2033.0	2035.8	2042.5	2049.2	2042.5	2035.8	2033.0	2031.4	2035.6
10°	2020.7	2016.9	2019.5	2022.7	2027.8	2033.0	2027.8	2022.7	2019.5	2016.9	2020.7
12.5°	2005.1	2001.3	2002.8	2005.4	2011.1	2016.7	2011.1	2005.4	2002.8	2001.3	2005.1
15°	1973.7	1970.1	1972.1	1974.8	1980.0	1985.1	1980.0	1974.8	1972.1	1970.1	1973.7
17.5°	1934.5	1931.4	1933.5	1936.3	1940.8	1945.4	1940.8	1936.3	1933.5	1931.4	1934.5
20°	1906.6	1902.7	1903.4	1905.0	1909.5	1914.0	1909.5	1905.0	1903.4	1902.7	1906.6
22.5°	1875.0	1870.3	1868.9	1869.2	1874.8	1880.3	1874.8	1869.2	1868.9	1870.3	1875.0
25°	1821.8	1817.3	1815.3	1815.0	1819.5	1824.0	1819.5	1815.0	1815.3	1817.3	1821.8
27.5°	1762.6	1759.0	1757.7	1757.5	1760.7	1764.0	1760.7	1757.5	1757.7	1759.0	1762.6
30°	1719.9	1716.0	1714.7	1714.6	1717.8	1721.0	1717.8	1714.6	1714.7	1716.0	1719.9
32.5°	1672.8	1668.9	1668.7	1669.4	1673.2	1676.9	1673.2	1669.4	1668.7	1668.9	1672.8
35°	1601.2	1598.0	1598.6	1599.9	1603.1	1606.4	1603.1	1599.9	1598.6	1598.0	1601.2
37.5°	1528.7	1525.3	1525.2	1525.8	1528.5	1531.2	1528.5	1525.8	1525.2	1525.3	1528.7
40°	1477.9	1474.0	1473.4	1473.7	1476.9	1480.1	1476.9	1473.7	1473.4	1474.0	1477.9
42.5°	1424.0	1421.1	1421.5	1422.2	1423.9	1425.6	1423.9	1422.2	1421.5	1421.1	1424.0
45°	1342.3	1339.4	1339.4	1339.7	1341.0	1342.3	1341.0	1339.7	1339.4	1339.4	1342.3
47.5°	1257.2	1254.5	1253.8	1253.7	1255.8	1257.8	1255.8	1253.7	1253.8	1254.5	1257.2
50°	1198.0	1195.1	1193.8	1193.5	1196.0	1198.6	1196.0	1193.5	1193.8	1195.1	1198.0
52.5°	1138.8	1135.6	1133.8	1133.0	1135.0	1137.1	1135.0	1133.0	1133.8	1135.6	1138.8
55°	1048.2	1045.0	1042.4	1040.8	1042.1	1043.3	1042.1	1040.8	1042.4	1045.0	1048.2
57.5°	953.3	950.1	947.0	945.1	946.9	948.7	946.9	945.1	947.0	950.1	953.3
60°	888.6	885.3	882.8	881.1	882.4	883.7	882.4	881.1	882.8	885.3	888.6
62.5°	823.8	820.3	817.7	816.1	817.4	818.7	817.4	816.1	817.7	820.3	823.8
65°	726.0	722.8	720.2	718.5	719.1	719.7	719.1	718.5	720.2	722.8	726.0
67.5°	626.7	623.0	619.2	616.7	617.7	618.8	617.7	616.7	619.2	623.0	626.7
70°	560.3	557.1	553.8	551.4	551.4	551.4	551.4	551.4	553.8	557.1	560.3
72.5°	493.2	490.0	487.3	485.2	485.2	485.2	485.2	485.2	487.3	490.0	493.2
75°	394.2	391.6	388.4	385.8	385.2	384.5	385.2	385.8	388.4	391.6	394.2
77.5°	293.5	291.0	288.6	286.5	285.8	285.0	285.8	286.5	288.6	291.0	293.5
80°	231.7	229.8	227.8	226.0	224.8	223.5	224.8	226.0	227.8	229.8	231.7
82.5°	171.3	168.9	165.9	164.0	165.3	166.6	165.3	164.0	165.9	168.9	171.3
85°	88.0	85.8	83.2	81.1	80.5	79.8	80.5	81.1	83.2	85.8	88.0
87.5°	29.3	29.2	28.7	28.0	28.4	27.4	28.4	28.0	28.7	29.2	29.3
90°	26.8	34.9	43.1	47.7	52.4	50.1	52.4	47.7	43.1	34.9	26.8
92.5°	53.8	67.5	77.5	85.9	89.6	89.2	89.6	85.9	77.5	67.5	53.8
95°	108.3	124.6	140.9	152.5	159.5	157.2	159.5	152.5	140.9	124.6	108.3
97.5°	166.9	188.8	207.0	217.9	224.9	229.6	224.9	217.9	207.0	188.8	166.9
100°	206.1	227.0	248.0	260.8	272.4	277.1	272.4	260.8	248.0	227.0	206.1
102.5°	237.7	265.2	288.0	301.8	311.5	316.2	311.5	301.8	288.0	265.2	237.7
105°	289.9	319.0	343.4	360.9	371.4	374.9	371.4	360.9	343.4	319.0	289.9
107.5°	342.0	372.1	394.7	414.0	426.8	434.2	426.8	414.0	394.7	372.1	342.0
110°	383.0	407.5	431.9	449.4	462.2	466.8	462.2	449.4	431.9	407.5	383.0



TEST NUMBER: P1427743

CATALOG NUMBER: SQ2W-F-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	417.5	444.7	469.2	486.6	501.3	507.8	501.3	486.6	469.2	444.7	417.5
115°	465.7	501.8	523.9	540.2	550.7	556.5	550.7	540.2	523.9	501.8	465.7
117.5°	505.7	543.4	567.7	580.2	585.1	589.3	585.1	580.2	567.7	543.4	505.7
120°	530.9	565.8	593.7	610.0	615.9	618.2	615.9	610.0	593.7	565.8	530.9
122.5°	554.2	587.2	614.2	634.3	643.8	646.1	643.8	634.3	614.2	587.2	554.2
125°	586.8	618.2	646.1	665.9	676.4	682.2	676.4	665.9	646.1	618.2	586.8
127.5°	615.2	649.2	674.8	692.7	702.9	707.6	702.9	692.7	674.8	649.2	615.2
130°	631.0	665.9	691.5	711.3	720.6	725.3	720.6	711.3	691.5	665.9	631.0
132.5°	643.1	679.9	706.4	724.4	734.6	739.3	734.6	724.4	706.4	679.9	643.1
135°	657.8	696.2	724.1	741.6	750.9	755.6	750.9	741.6	724.1	696.2	657.8
137.5°	670.6	705.5	734.6	753.0	761.4	764.4	761.4	753.0	734.6	705.5	670.6
140°	679.9	710.2	739.3	756.7	766.0	767.2	766.0	756.7	739.3	710.2	679.9
142.5°	692.0	715.7	741.1	758.6	767.9	770.0	767.9	758.6	741.1	715.7	692.0
145°	713.7	727.6	745.1	761.4	769.5	771.9	769.5	761.4	745.1	727.6	713.7
147.5°	740.9	745.3	754.4	765.1	773.0	774.7	773.0	765.1	754.4	745.3	740.9
150°	761.4	760.2	763.7	770.7	777.7	776.5	777.7	770.7	763.7	760.2	761.4
152.5°	784.7	777.9	777.7	780.9	784.2	784.0	784.2	780.9	777.7	777.9	784.7
155°	824.3	811.4	804.5	802.1	802.1	801.0	802.1	802.1	804.5	811.4	824.3
157.5°	867.8	849.9	839.4	833.8	832.2	829.6	832.2	833.8	839.4	849.9	867.8
160°	897.6	877.8	867.3	858.0	854.5	851.0	854.5	858.0	867.3	877.8	897.6
162.5°	925.5	906.7	895.3	886.9	883.4	878.0	883.4	886.9	895.3	906.7	925.5
165°	970.9	951.2	938.3	931.4	926.7	922.0	926.7	931.4	938.3	951.2	970.9
167.5°	1016.3	994.7	986.3	978.4	974.0	965.6	974.0	978.4	986.3	994.7	1016.3
170°	1044.3	1024.5	1019.8	1012.9	1004.7	995.4	1004.7	1012.9	1019.8	1024.5	1044.3
172.5°	1068.5	1055.2	1050.6	1043.6	1041.0	1033.6	1041.0	1043.6	1050.6	1055.2	1068.5
175°	1103.7	1093.2	1093.2	1092.0	1088.5	1081.5	1088.5	1092.0	1093.2	1093.2	1103.7
177.5°	1133.0	1127.4	1131.1	1131.1	1130.2	1123.7	1130.2	1131.1	1131.1	1127.4	1133.0
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1427743

CATALOG NUMBER: SQ2W-F-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2060.6	2060.6	2060.6	2060.6
2.5°	2065.6	2069.7	2059.9	2050.1
5°	2061.5	2066.1	2053.2	2040.3
7.5°	2045.4	2049.5	2036.6	2023.7
10°	2031.1	2035.6	2022.7	2009.8
12.5°	2014.4	2018.2	2005.3	1992.4
15°	1982.7	1986.2	1973.3	1960.4
17.5°	1942.8	1946.1	1934.0	1921.8
20°	1915.0	1918.4	1906.8	1895.1
22.5°	1882.9	1885.9	1874.2	1862.6
25°	1828.9	1831.3	1819.7	1808.1
27.5°	1768.5	1770.5	1760.9	1751.2
30°	1726.3	1728.7	1719.1	1709.4
32.5°	1680.3	1683.6	1674.4	1665.3
35°	1608.3	1611.7	1604.0	1596.2
37.5°	1535.3	1538.7	1532.8	1526.9
40°	1485.0	1488.7	1482.2	1475.8
42.5°	1430.0	1433.3	1428.4	1423.5
45°	1348.1	1351.3	1346.8	1342.3
47.5°	1261.7	1264.2	1260.7	1257.2
50°	1202.5	1204.7	1200.2	1195.7
52.5°	1143.3	1145.4	1140.4	1135.3
55°	1052.1	1053.5	1047.7	1041.9
57.5°	956.7	957.8	952.1	946.4
60°	892.4	894.0	888.9	883.7
62.5°	828.2	830.2	825.0	819.9
65°	729.9	731.7	727.2	722.6
67.5°	630.5	632.3	628.4	624.6
70°	563.5	565.0	561.1	557.2
72.5°	497.0	498.9	495.6	492.2
75°	396.2	397.1	395.2	393.2
77.5°	295.9	297.8	297.8	297.8
80°	233.6	235.1	235.1	235.1
82.5°	173.3	175.0	176.0	177.0
85°	90.0	91.7	93.0	94.3
87.5°	29.7	29.5	29.6	29.7
90°	21.0	12.8	8.1	3.5
92.5°	45.2	31.4	22.1	12.8
95°	90.8	72.2	51.2	36.1
97.5°	144.6	114.6	93.8	68.9
100°	173.5	144.4	124.6	97.8
102.5°	205.1	180.7	153.4	126.7
105°	261.9	231.7	200.2	170.0
107.5°	314.6	281.3	243.6	216.3
110°	348.1	312.0	272.4	248.0

TEST NUMBER: P1427743

CATALOG NUMBER: SQ2W-F-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	380.7	343.7	303.2	278.7
115°	424.9	384.2	346.9	326.0
117.5°	467.5	425.6	386.3	369.7
120°	493.6	451.7	413.3	400.5
122.5°	515.0	474.1	438.4	433.1
125°	547.2	505.3	475.0	482.0
127.5°	573.3	534.8	515.7	531.3
130°	589.1	555.3	543.7	565.8
132.5°	603.1	576.7	571.6	602.1
135°	624.0	608.9	613.5	655.4
137.5°	648.9	643.1	658.7	711.6
140°	664.8	668.3	690.4	749.7
142.5°	686.2	694.3	723.0	786.1
145°	719.5	736.9	774.2	837.1
147.5°	757.2	779.8	825.9	890.4
150°	782.3	811.4	860.3	922.0
152.5°	811.2	841.3	890.1	952.8
155°	855.7	889.4	940.7	994.2
157.5°	901.1	935.6	984.4	1031.2
160°	929.0	966.3	1010.5	1053.6
162.5°	960.7	995.2	1033.8	1072.2
165°	1007.0	1035.0	1066.4	1099.0
167.5°	1045.9	1069.2	1093.9	1119.3
170°	1071.1	1089.7	1110.6	1130.4
172.5°	1092.5	1107.4	1122.8	1139.8
175°	1121.1	1129.3	1138.6	1149.1
177.5°	1143.2	1146.0	1148.8	1153.5
180°	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1427743
 CATALOG NUMBER: SQ2W-F-K-075U-125D-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	21.18	22.19	22.01	23.04	24.11	21.09	22.10	21.92	22.96	24.03
	3H	22.98	23.89	23.82	24.75	25.85	22.88	23.78	23.72	24.65	25.74
	4H	23.68	24.54	24.54	25.41	26.52	23.57	24.43	24.43	25.30	26.40
	6H	24.13	24.92	25.00	25.80	26.92	23.98	24.78	24.86	25.66	26.77
	8H	24.29	25.05	25.17	25.94	27.06	24.13	24.89	25.02	25.79	26.91
	12H	24.38	25.10	25.27	25.99	27.14	24.20	24.92	25.09	25.81	26.96
4H	2H	21.78	22.63	22.64	23.51	24.61	21.71	22.57	22.57	23.44	24.54
	3H	23.81	24.53	24.69	25.43	26.55	23.72	24.44	24.59	25.34	26.46
	4H	24.63	25.29	25.52	26.19	27.33	24.52	25.17	25.41	26.08	27.22
	6H	25.19	25.76	26.10	26.68	27.83	25.05	25.62	25.95	26.54	27.69
	8H	25.41	25.94	26.32	26.86	28.02	25.25	25.78	26.16	26.70	27.86
	12H	25.53	26.01	26.46	26.95	28.11	25.35	25.82	26.27	26.76	27.93
8H	4H	24.89	25.42	25.79	26.34	27.50	24.79	25.32	25.70	26.24	27.40
	6H	25.58	26.02	26.52	26.98	28.14	25.45	25.89	26.39	26.85	28.01
	8H	25.89	26.28	26.83	27.23	28.41	25.73	26.12	26.68	27.07	28.25
	12H	26.08	26.42	27.03	27.37	28.60	25.89	26.23	26.84	27.18	28.40
12H	4H	24.89	25.37	25.82	26.30	27.47	24.80	25.27	25.72	26.21	27.38
	6H	25.63	26.02	26.58	26.98	28.15	25.51	25.90	26.45	26.85	28.03
	8H	25.98	26.32	26.92	27.26	28.49	25.82	26.17	26.77	27.11	28.34