

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: P1428443

Luminaire Tested: SQ2W-PW1-K-125U-050D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428443
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-125U-050D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

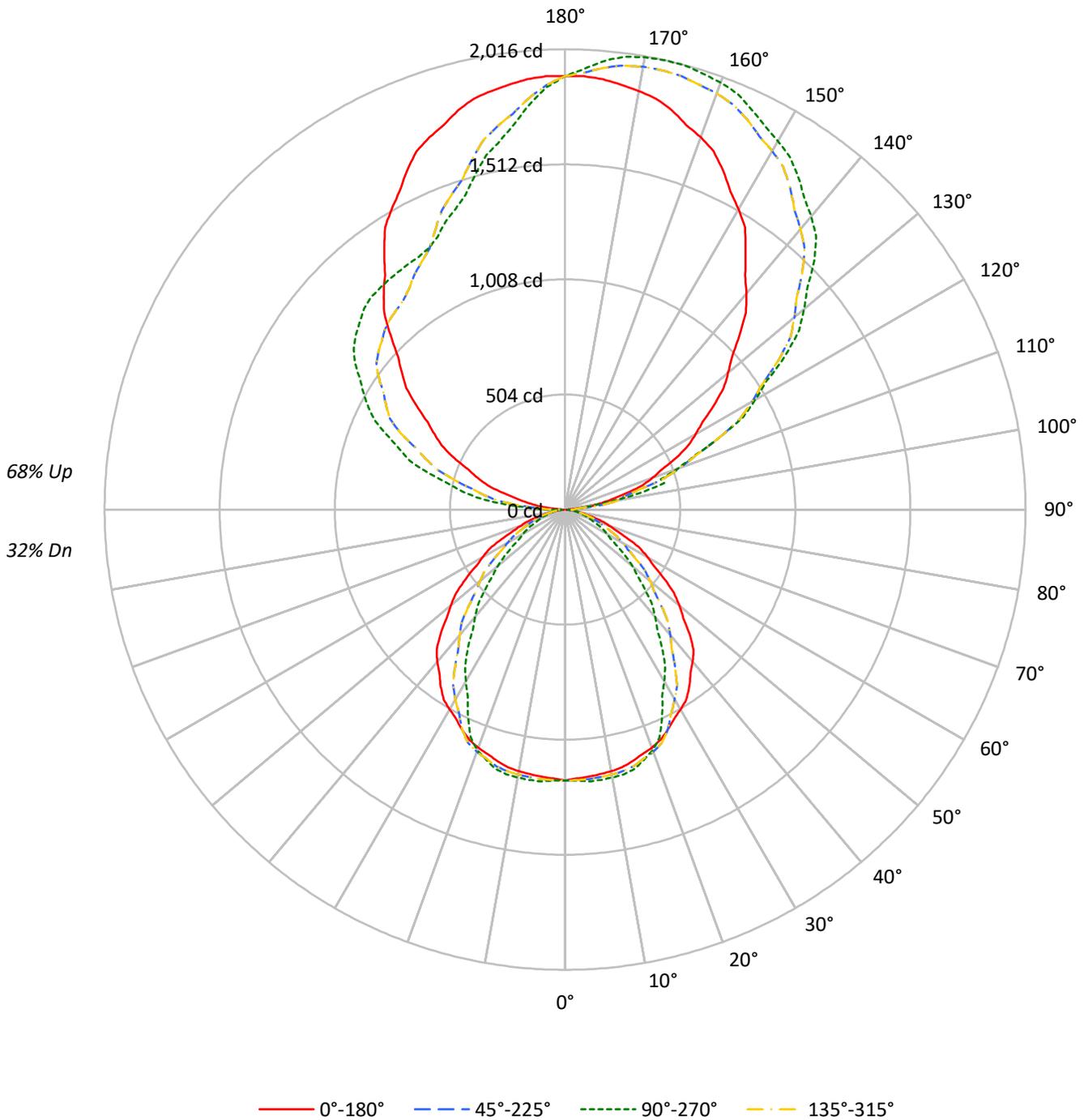
Lumens per Lamp: N/A
Luminaire Lumens: 8184.5 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 61.8
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	50	30	10	0	
RCR																						
0	103	103	103	103	93	93	93	93	73	73	73	56	56	56	40	40	40	32				32
1	94	90	86	83	85	81	78	75	65	63	61	50	48	47	36	35	34				28	
2	86	79	73	68	77	71	67	62	57	54	51	44	42	40	32	31	29				24	
3	79	70	63	57	71	63	57	53	51	47	43	39	36	34	29	27	25				21	
4	72	62	54	49	65	56	50	45	45	41	37	35	32	29	26	24	22				18	
5	66	55	47	42	59	50	43	39	41	36	32	32	28	26	23	21	20				16	
6	61	49	42	36	55	45	38	33	37	32	28	29	25	23	21	19	17				14	
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	19	17	15				13	
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	16	14				11	
9	49	37	30	25	44	34	27	23	28	23	20	22	19	16	17	14	13				10	
10	45	34	27	22	41	31	25	21	25	21	18	20	17	15	15	13	11				9	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19168	19168	19168	19168
5°	19040	19369	19040	19369
10°	19074	19537	19074	19537
15°	19069	19655	19069	19655
20°	19077	19271	19077	19271
25°	18974	17907	18974	17907
30°	18845	16188	18845	16188
35°	18697	14619	18697	14619
40°	18326	12916	18326	12916
45°	17607	11282	17607	11282
50°	16387	9655	16387	9655
55°	14989	7828	14989	7828
60°	13436	6755	13436	6755
65°	11748	6006	11748	6006
70°	9607	5443	9607	5443
75°	7473	5009	7473	5009
80°	5569	4416	5569	4416
85°	3779	2519	3779	2519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17607 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	1.4
10°-20°	327.6	4.0
20°-30°	482.0	5.9
30°-40°	527.0	6.4
40°-50°	472.8	5.8
50°-60°	352.7	4.3
60°-70°	222.9	2.7
70°-80°	110.4	1.3
80°-90°	33.7	0.4
90°-100°	151.1	1.8
100°-110°	440.5	5.4
110°-120°	719.0	8.8
120°-130°	912.3	11.1
130°-140°	976.2	11.9
140°-150°	911.5	11.1
150°-160°	750.1	9.2
160°-170°	503.1	6.1
170°-180°	178.6	2.2
0°-30°	922.6	11.3
0°-40°	1449.7	17.7
0°-60°	2275.1	27.8
0°-90°	2642.2	32.3
90°-120°	1310.6	16.0
90°-150°	4110.6	50.2
90°-180°	5542.0	67.7
0°-180°	8184.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1187	1187	1187	1187	1187	
5°	1175	1195	1175	1195	1175	112
15°	1141	1176	1141	1176	1141	322
25°	1065	1005	1065	1005	1065	490
35°	949	742	949	742	949	592
45°	771	494	771	494	771	591
55°	532	278	532	278	532	476
65°	308	157	308	157	308	305
75°	120	80	120	80	120	132
85°	20	14	20	14	20	26
90°	6	42	6	82	6	5
95°	59	44	59	259	59	72
105°	280	449	280	617	280	298
115°	537	744	537	916	537	529
125°	794	1179	794	1124	794	710
135°	1080	1544	1080	1244	1080	834
145°	1379	1779	1379	1271	1379	863
155°	1637	1933	1637	1319	1637	753
165°	1810	2015	1810	1519	1810	510
175°	1892	1973	1892	1781	1892	180
180°	1898	1898	1898	1898	1898	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2
2.5°	1179.0	1185.9	1192.7	1191.1	1186.7	1184.7	1185.1	1185.7	1186.9	1188.1	1186.9
5°	1174.8	1183.3	1191.8	1190.6	1186.1	1184.0	1184.6	1186.1	1190.6	1195.1	1190.6
7.5°	1168.9	1177.5	1186.2	1185.8	1182.3	1181.5	1183.2	1185.6	1190.0	1194.4	1190.0
10°	1163.4	1172.5	1181.5	1181.5	1178.5	1178.3	1180.8	1183.7	1187.7	1191.7	1187.7
12.5°	1156.2	1165.7	1175.1	1175.8	1173.6	1173.9	1176.9	1180.1	1184.1	1188.1	1184.1
15°	1140.8	1150.9	1160.9	1163.1	1162.6	1164.1	1167.6	1170.9	1173.4	1175.9	1173.4
17.5°	1123.0	1133.0	1143.1	1145.1	1144.3	1144.4	1145.4	1146.3	1147.5	1148.7	1147.5
20°	1110.3	1120.4	1130.4	1131.8	1130.3	1127.8	1124.2	1121.6	1121.6	1121.6	1121.6
22.5°	1092.2	1103.1	1113.9	1114.0	1110.5	1103.9	1094.4	1086.4	1083.2	1080.0	1083.2
25°	1065.1	1075.6	1086.2	1081.3	1071.2	1056.4	1036.8	1020.2	1012.7	1005.2	1012.7
27.5°	1033.4	1042.0	1050.5	1037.7	1017.8	993.9	966.1	942.6	932.2	921.7	932.2
30°	1010.8	1017.3	1023.9	1003.6	974.5	944.6	913.9	888.4	878.4	868.3	878.4
32.5°	987.3	989.8	992.3	965.7	929.3	895.2	863.3	836.7	825.8	815.0	825.8
35°	948.6	944.1	939.6	904.1	858.4	819.5	787.3	760.8	751.3	741.7	751.3
37.5°	902.9	889.5	876.0	836.1	787.3	746.1	712.5	684.6	674.0	663.5	674.0
40°	869.5	850.4	831.3	788.4	737.7	695.5	661.8	633.9	623.4	612.8	623.4
42.5°	832.4	808.5	784.5	740.5	689.8	647.5	613.9	585.9	574.9	564.0	574.9
45°	771.1	743.0	714.8	669.0	617.2	575.0	542.3	515.2	504.6	494.1	504.6
47.5°	702.1	674.2	646.3	600.5	548.9	507.2	475.6	449.5	440.5	431.5	440.5
50°	652.4	625.3	598.1	554.4	505.2	464.7	433.0	406.5	395.5	384.4	395.5
52.5°	601.7	577.4	553.1	511.0	462.9	422.7	390.2	362.1	347.0	332.0	347.0
55°	532.5	509.4	486.3	446.6	401.4	360.7	324.5	295.2	286.7	278.1	286.7
57.5°	461.3	441.3	421.3	385.6	344.7	307.8	275.0	248.6	241.5	234.5	241.5
60°	416.1	398.5	380.9	346.7	307.0	273.4	245.7	223.2	216.2	209.2	216.2
62.5°	372.7	357.1	341.5	308.7	270.3	240.0	218.0	200.0	194.2	188.4	194.2
65°	307.5	296.0	284.4	257.4	225.3	200.1	182.0	167.2	162.2	157.2	162.2
67.5°	244.2	237.8	231.4	211.1	186.3	166.0	150.1	137.3	134.0	130.7	134.0
70°	203.5	201.5	199.5	182.8	161.2	143.8	130.8	120.4	117.8	115.3	117.8
72.5°	168.2	169.0	169.8	156.0	137.2	122.6	112.4	104.3	102.6	100.9	102.6
75°	119.8	123.9	127.9	118.7	105.2	94.8	87.8	82.3	81.3	80.3	81.3
77.5°	81.6	87.7	93.7	87.7	77.8	70.2	65.0	60.9	60.1	59.2	60.1
80°	59.9	66.0	72.0	67.8	60.3	54.5	50.5	47.5	47.5	47.5	47.5
82.5°	41.8	46.7	51.5	48.5	43.0	39.2	37.2	35.7	35.7	35.7	35.7
85°	20.4	22.9	25.4	24.5	22.5	20.0	17.0	14.6	14.1	13.6	14.1
87.5°	6.6	9.3	12.4	12.8	11.9	11.1	10.7	10.8	11.1	11.1	11.1
90°	5.8	13.4	23.0	30.7	36.4	38.3	38.3	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.7	33.7	41.0	44.5	47.6	47.9	49.9	49.9	49.9
95°	59.4	65.2	97.8	95.9	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.5	121.9	127.3	170.6	180.2	174.1	141.9	119.3	106.6	100.9	106.6
100°	161.1	164.9	176.4	178.3	226.2	272.3	249.3	220.5	210.9	205.2	210.9
102.5°	208.6	210.9	228.5	236.6	247.7	273.8	353.6	344.7	338.2	337.1	338.2
105°	279.9	281.9	314.4	329.8	337.5	337.5	335.5	373.9	435.2	448.7	435.2
107.5°	356.2	365.1	403.4	444.4	453.3	455.6	445.6	439.8	437.5	439.1	437.5
110°	408.4	421.8	467.8	519.6	533.0	536.9	533.0	527.3	523.4	523.4	523.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.0	478.6	530.7	590.2	612.8	624.3	615.9	611.6	607.8	610.9	607.8
115°	536.9	565.6	634.6	696.0	742.0	747.8	745.9	745.9	743.9	743.9	743.9
117.5°	609.0	655.0	732.4	803.8	857.1	872.4	880.1	877.8	875.5	879.3	875.5
120°	659.6	713.3	801.5	882.0	933.8	956.8	964.4	960.6	964.4	960.6	964.4
122.5°	713.3	779.2	865.9	949.5	1010.5	1036.5	1045.7	1046.5	1047.3	1045.0	1047.3
125°	793.8	874.3	975.9	1062.2	1125.5	1156.2	1163.8	1165.8	1169.6	1179.2	1169.6
127.5°	875.1	966.4	1077.9	1161.2	1226.0	1263.2	1275.0	1279.3	1287.3	1291.5	1287.3
130°	931.8	1035.4	1148.5	1227.1	1290.4	1330.7	1351.7	1357.5	1367.1	1365.2	1367.1
132.5°	991.7	1099.8	1214.5	1296.1	1354.8	1398.1	1416.2	1432.7	1436.1	1438.8	1436.1
135°	1079.5	1196.4	1311.5	1392.0	1447.6	1489.8	1512.8	1528.1	1537.7	1543.5	1537.7
137.5°	1171.9	1295.4	1405.8	1477.5	1533.5	1569.9	1596.0	1612.1	1622.1	1626.7	1622.1
140°	1234.8	1353.7	1461.0	1535.8	1585.7	1622.1	1645.1	1664.3	1675.8	1675.8	1675.8
142.5°	1294.6	1411.9	1516.3	1591.0	1634.7	1668.1	1692.6	1707.2	1720.3	1720.3	1720.3
145°	1378.6	1495.5	1591.4	1666.2	1702.6	1733.3	1760.1	1771.6	1779.3	1779.3	1779.3
147.5°	1466.4	1569.9	1657.4	1729.1	1759.8	1795.8	1816.9	1826.1	1835.7	1831.5	1835.7
150°	1518.6	1614.4	1698.8	1765.9	1796.6	1831.1	1852.2	1859.8	1869.4	1863.7	1869.4
152.5°	1569.2	1660.4	1737.1	1799.6	1825.7	1860.2	1884.4	1892.1	1898.6	1894.4	1898.6
155°	1637.4	1718.0	1788.9	1846.4	1869.4	1902.0	1925.0	1934.6	1942.3	1932.7	1942.3
157.5°	1698.4	1767.8	1829.5	1882.5	1907.0	1935.0	1956.5	1968.4	1976.0	1971.8	1976.0
160°	1735.2	1798.5	1854.1	1903.9	1927.0	1951.9	1974.9	1988.3	1996.0	1990.2	1996.0
162.5°	1765.9	1823.0	1875.6	1920.8	1940.8	1962.6	1990.2	2002.1	2009.8	2002.5	2009.8
165°	1810.0	1856.0	1902.0	1940.4	1957.6	1974.9	2003.6	2017.1	2022.8	2015.1	2022.8
167.5°	1843.4	1878.6	1915.8	1948.8	1961.5	1978.3	2007.1	2018.2	2025.5	2015.9	2025.5
170°	1861.8	1892.4	1925.0	1951.9	1961.5	1976.8	2005.6	2015.1	2020.9	2011.3	2020.9
172.5°	1877.1	1900.1	1926.6	1950.3	1955.3	1967.6	1994.8	2004.4	2008.6	2000.6	2008.6
175°	1892.4	1905.9	1925.0	1940.4	1938.5	1946.1	1969.1	1976.8	1984.5	1973.0	1984.5
177.5°	1899.7	1905.9	1912.0	1921.2	1915.1	1915.1	1931.9	1936.5	1938.1	1931.9	1938.1
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2
2.5°	1185.7	1185.1	1184.7	1186.7	1191.1	1192.7	1185.9	1179.0	1185.9	1192.7	1191.1
5°	1186.1	1184.6	1184.0	1186.1	1190.6	1191.8	1183.3	1174.8	1183.3	1191.8	1190.6
7.5°	1185.6	1183.2	1181.5	1182.3	1185.8	1186.2	1177.5	1168.9	1177.5	1186.2	1185.8
10°	1183.7	1180.8	1178.3	1178.5	1181.5	1181.5	1172.5	1163.4	1172.5	1181.5	1181.5
12.5°	1180.1	1176.9	1173.9	1173.6	1175.8	1175.1	1165.7	1156.2	1165.7	1175.1	1175.8
15°	1170.9	1167.6	1164.1	1162.6	1163.1	1160.9	1150.9	1140.8	1150.9	1160.9	1163.1
17.5°	1146.3	1145.4	1144.4	1144.3	1145.1	1143.1	1133.0	1123.0	1133.0	1143.1	1145.1
20°	1121.6	1124.2	1127.8	1130.3	1131.8	1130.4	1120.4	1110.3	1120.4	1130.4	1131.8
22.5°	1086.4	1094.4	1103.9	1110.5	1114.0	1113.9	1103.1	1092.2	1103.1	1113.9	1114.0
25°	1020.2	1036.8	1056.4	1071.2	1081.3	1086.2	1075.6	1065.1	1075.6	1086.2	1081.3
27.5°	942.6	966.1	993.9	1017.8	1037.7	1050.5	1042.0	1033.4	1042.0	1050.5	1037.7
30°	888.4	913.9	944.6	974.5	1003.6	1023.9	1017.3	1010.8	1017.3	1023.9	1003.6
32.5°	836.7	863.3	895.2	929.3	965.7	992.3	989.8	987.3	989.8	992.3	965.7
35°	760.8	787.3	819.5	858.4	904.1	939.6	944.1	948.6	944.1	939.6	904.1
37.5°	684.6	712.5	746.1	787.3	836.1	876.0	889.5	902.9	889.5	876.0	836.1
40°	633.9	661.8	695.5	737.7	788.4	831.3	850.4	869.5	850.4	831.3	788.4
42.5°	585.9	613.9	647.5	689.8	740.5	784.5	808.5	832.4	808.5	784.5	740.5
45°	515.2	542.3	575.0	617.2	669.0	714.8	743.0	771.1	743.0	714.8	669.0
47.5°	449.5	475.6	507.2	548.9	600.5	646.3	674.2	702.1	674.2	646.3	600.5
50°	406.5	433.0	464.7	505.2	554.4	598.1	625.3	652.4	625.3	598.1	554.4
52.5°	362.1	390.2	422.7	462.9	511.0	553.1	577.4	601.7	577.4	553.1	511.0
55°	295.2	324.5	360.7	401.4	446.6	486.3	509.4	532.5	509.4	486.3	446.6
57.5°	248.6	275.0	307.8	344.7	385.6	421.3	441.3	461.3	441.3	421.3	385.6
60°	223.2	245.7	273.4	307.0	346.7	380.9	398.5	416.1	398.5	380.9	346.7
62.5°	200.0	218.0	240.0	270.3	308.7	341.5	357.1	372.7	357.1	341.5	308.7
65°	167.2	182.0	200.1	225.3	257.4	284.4	296.0	307.5	296.0	284.4	257.4
67.5°	137.3	150.1	166.0	186.3	211.1	231.4	237.8	244.2	237.8	231.4	211.1
70°	120.4	130.8	143.8	161.2	182.8	199.5	201.5	203.5	201.5	199.5	182.8
72.5°	104.3	112.4	122.6	137.2	156.0	169.8	169.0	168.2	169.0	169.8	156.0
75°	82.3	87.8	94.8	105.2	118.7	127.9	123.9	119.8	123.9	127.9	118.7
77.5°	60.9	65.0	70.2	77.8	87.7	93.7	87.7	81.6	87.7	93.7	87.7
80°	47.5	50.5	54.5	60.3	67.8	72.0	66.0	59.9	66.0	72.0	67.8
82.5°	35.7	37.2	39.2	43.0	48.5	51.5	46.7	41.8	46.7	51.5	48.5
85°	14.6	17.0	20.0	22.5	24.5	25.4	22.9	20.4	22.9	25.4	24.5
87.5°	10.8	10.7	11.1	11.9	12.8	12.4	9.3	6.6	9.3	12.1	13.5
90°	40.3	38.3	38.3	36.4	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	47.9	47.6	44.5	41.0	33.7	33.7	33.4	21.1	36.4	51.8	74.4
95°	44.1	44.1	51.8	65.2	95.9	97.8	65.2	59.4	84.4	118.9	149.6
97.5°	119.3	141.9	174.1	180.2	170.6	127.3	121.9	113.5	154.5	188.7	238.1
100°	220.5	249.3	272.3	226.2	178.3	176.4	164.9	161.1	205.2	237.8	285.7
102.5°	344.7	353.6	273.8	247.7	236.6	228.5	210.9	208.6	252.7	297.6	337.8
105°	373.9	335.5	337.5	337.5	329.8	314.4	281.9	279.9	329.8	381.6	431.4
107.5°	439.8	445.6	455.6	453.3	444.4	403.4	365.1	356.2	401.1	463.2	518.1
110°	527.3	533.0	536.9	533.0	519.6	467.8	421.8	408.4	448.7	513.9	573.3



TEST NUMBER: P1428443

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	611.6	615.9	624.3	612.8	590.2	530.7	478.6	459.0	499.3	566.0	627.0
115°	745.9	745.9	747.8	742.0	696.0	634.6	565.6	536.9	571.4	632.7	699.8
117.5°	877.8	880.1	872.4	857.1	803.8	732.4	655.0	609.0	636.2	701.0	770.0
120°	960.6	964.4	956.8	933.8	882.0	801.5	713.3	659.6	680.7	743.9	813.0
122.5°	1046.5	1045.7	1036.5	1010.5	949.5	865.9	779.2	713.3	722.1	780.8	848.2
125°	1165.8	1163.8	1156.2	1125.5	1062.2	975.9	874.3	793.8	782.3	832.1	901.2
127.5°	1279.3	1275.0	1263.2	1226.0	1161.2	1077.9	966.4	875.1	849.4	880.8	944.1
130°	1357.5	1351.7	1330.7	1290.4	1227.1	1148.5	1035.4	931.8	895.4	914.6	970.2
132.5°	1432.7	1416.2	1398.1	1354.8	1296.1	1214.5	1099.8	991.7	941.4	949.9	993.2
135°	1528.1	1512.8	1489.8	1447.6	1392.0	1311.5	1196.4	1079.5	1010.5	1002.8	1027.7
137.5°	1612.1	1596.0	1569.9	1533.5	1477.5	1405.8	1295.4	1171.9	1084.8	1059.2	1068.7
140°	1664.3	1645.1	1622.1	1585.7	1535.8	1461.0	1353.7	1234.8	1137.0	1100.6	1094.8
142.5°	1707.2	1692.6	1668.1	1634.7	1591.0	1516.3	1411.9	1294.6	1190.7	1143.5	1130.1
145°	1771.6	1760.1	1733.3	1702.6	1666.2	1591.4	1495.5	1378.6	1275.0	1213.7	1184.9
147.5°	1826.1	1816.9	1795.8	1759.8	1729.1	1657.4	1569.9	1466.4	1360.2	1284.3	1247.1
150°	1859.8	1852.2	1831.1	1796.6	1765.9	1698.8	1614.4	1518.6	1416.9	1336.4	1288.5
152.5°	1892.1	1884.4	1860.2	1825.7	1799.6	1737.1	1660.4	1569.2	1466.0	1385.5	1336.0
155°	1934.6	1925.0	1902.0	1869.4	1846.4	1788.9	1718.0	1637.4	1549.2	1464.9	1409.3
157.5°	1968.4	1956.5	1935.0	1907.0	1882.5	1829.5	1767.8	1698.4	1621.3	1540.8	1484.0
160°	1988.3	1974.9	1951.9	1927.0	1903.9	1854.1	1798.5	1735.2	1664.3	1591.4	1530.1
162.5°	2002.1	1990.2	1962.6	1940.8	1920.8	1875.6	1823.0	1765.9	1702.6	1639.0	1582.2
165°	2017.1	2003.6	1974.9	1957.6	1940.4	1902.0	1856.0	1810.0	1756.3	1704.5	1658.5
167.5°	2018.2	2007.1	1978.3	1961.5	1948.8	1915.8	1878.6	1843.4	1801.6	1760.9	1722.6
170°	2015.1	2005.6	1976.8	1961.5	1951.9	1925.0	1892.4	1861.8	1829.2	1794.7	1764.0
172.5°	2004.4	1994.8	1967.6	1955.3	1950.3	1926.6	1900.1	1877.1	1849.1	1823.8	1799.3
175°	1976.8	1969.1	1946.1	1938.5	1940.4	1925.0	1905.9	1892.4	1875.2	1859.8	1846.4
177.5°	1936.5	1931.9	1915.1	1915.1	1921.2	1912.0	1905.9	1899.7	1892.1	1887.5	1882.9
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1428443

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2
2.5°	1186.7	1184.7	1185.1	1185.7	1186.9	1188.1	1186.9	1185.7	1185.1	1184.7	1186.7
5°	1186.1	1184.0	1184.6	1186.1	1190.6	1195.1	1190.6	1186.1	1184.6	1184.0	1186.1
7.5°	1182.3	1181.5	1183.2	1185.6	1190.0	1194.4	1190.0	1185.6	1183.2	1181.5	1182.3
10°	1178.5	1178.3	1180.8	1183.7	1187.7	1191.7	1187.7	1183.7	1180.8	1178.3	1178.5
12.5°	1173.6	1173.9	1176.9	1180.1	1184.1	1188.1	1184.1	1180.1	1176.9	1173.9	1173.6
15°	1162.6	1164.1	1167.6	1170.9	1173.4	1175.9	1173.4	1170.9	1167.6	1164.1	1162.6
17.5°	1144.3	1144.4	1145.4	1146.3	1147.5	1148.7	1147.5	1146.3	1145.4	1144.4	1144.3
20°	1130.3	1127.8	1124.2	1121.6	1121.6	1121.6	1121.6	1121.6	1124.2	1127.8	1130.3
22.5°	1110.5	1103.9	1094.4	1086.4	1083.2	1080.0	1083.2	1086.4	1094.4	1103.9	1110.5
25°	1071.2	1056.4	1036.8	1020.2	1012.7	1005.2	1012.7	1020.2	1036.8	1056.4	1071.2
27.5°	1017.8	993.9	966.1	942.6	932.2	921.7	932.2	942.6	966.1	993.9	1017.8
30°	974.5	944.6	913.9	888.4	878.4	868.3	878.4	888.4	913.9	944.6	974.5
32.5°	929.3	895.2	863.3	836.7	825.8	815.0	825.8	836.7	863.3	895.2	929.3
35°	858.4	819.5	787.3	760.8	751.3	741.7	751.3	760.8	787.3	819.5	858.4
37.5°	787.3	746.1	712.5	684.6	674.0	663.5	674.0	684.6	712.5	746.1	787.3
40°	737.7	695.5	661.8	633.9	623.4	612.8	623.4	633.9	661.8	695.5	737.7
42.5°	689.8	647.5	613.9	585.9	574.9	564.0	574.9	585.9	613.9	647.5	689.8
45°	617.2	575.0	542.3	515.2	504.6	494.1	504.6	515.2	542.3	575.0	617.2
47.5°	548.9	507.2	475.6	449.5	440.5	431.5	440.5	449.5	475.6	507.2	548.9
50°	505.2	464.7	433.0	406.5	395.5	384.4	395.5	406.5	433.0	464.7	505.2
52.5°	462.9	422.7	390.2	362.1	347.0	332.0	347.0	362.1	390.2	422.7	462.9
55°	401.4	360.7	324.5	295.2	286.7	278.1	286.7	295.2	324.5	360.7	401.4
57.5°	344.7	307.8	275.0	248.6	241.5	234.5	241.5	248.6	275.0	307.8	344.7
60°	307.0	273.4	245.7	223.2	216.2	209.2	216.2	223.2	245.7	273.4	307.0
62.5°	270.3	240.0	218.0	200.0	194.2	188.4	194.2	200.0	218.0	240.0	270.3
65°	225.3	200.1	182.0	167.2	162.2	157.2	162.2	167.2	182.0	200.1	225.3
67.5°	186.3	166.0	150.1	137.3	134.0	130.7	134.0	137.3	150.1	166.0	186.3
70°	161.2	143.8	130.8	120.4	117.8	115.3	117.8	120.4	130.8	143.8	161.2
72.5°	137.2	122.6	112.4	104.3	102.6	100.9	102.6	104.3	112.4	122.6	137.2
75°	105.2	94.8	87.8	82.3	81.3	80.3	81.3	82.3	87.8	94.8	105.2
77.5°	77.8	70.2	65.0	60.9	60.1	59.2	60.1	60.9	65.0	70.2	77.8
80°	60.3	54.5	50.5	47.5	47.5	47.5	47.5	47.5	50.5	54.5	60.3
82.5°	43.0	39.2	37.2	35.7	35.7	35.7	35.7	35.7	37.2	39.2	43.0
85°	22.5	20.0	17.0	14.6	14.1	13.6	14.1	14.6	17.0	20.0	22.5
87.5°	13.4	14.9	17.2	18.4	20.0	19.2	20.0	18.4	17.2	14.9	13.4
90°	44.1	57.5	70.9	78.6	86.3	82.4	86.3	78.6	70.9	57.5	44.1
92.5°	88.6	111.2	127.7	141.5	147.6	146.9	147.6	141.5	127.7	111.2	88.6
95°	178.3	205.2	232.0	251.2	262.7	258.8	262.7	251.2	232.0	205.2	178.3
97.5°	275.0	311.0	340.9	358.9	370.4	378.1	370.4	358.9	340.9	311.0	275.0
100°	339.4	373.9	408.4	429.5	448.7	456.3	448.7	429.5	408.4	373.9	339.4
102.5°	391.5	436.8	474.4	497.0	513.1	520.8	513.1	497.0	474.4	436.8	391.5
105°	477.4	525.4	565.6	594.4	611.6	617.4	611.6	594.4	565.6	525.4	477.4
107.5°	563.3	612.8	650.0	681.8	702.9	715.2	702.9	681.8	650.0	612.8	563.3
110°	630.8	671.1	711.3	740.1	761.2	768.9	761.2	740.1	711.3	671.1	630.8



TEST NUMBER: P1428443

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	687.6	732.4	772.7	801.5	825.6	836.4	825.6	801.5	772.7	732.4	687.6
115°	766.9	826.4	862.8	889.7	906.9	916.5	906.9	889.7	862.8	826.4	766.9
117.5°	832.9	895.0	934.9	955.6	963.7	970.6	963.7	955.6	934.9	895.0	832.9
120°	874.3	931.8	977.9	1004.7	1014.3	1018.1	1014.3	1004.7	977.9	931.8	874.3
122.5°	912.7	967.1	1011.6	1044.6	1060.3	1064.1	1060.3	1044.6	1011.6	967.1	912.7
125°	966.4	1018.1	1064.1	1096.7	1114.0	1123.6	1114.0	1096.7	1064.1	1018.1	966.4
127.5°	1013.1	1069.1	1111.3	1140.8	1157.7	1165.4	1157.7	1140.8	1111.3	1069.1	1013.1
130°	1039.2	1096.7	1138.9	1171.5	1186.8	1194.5	1186.8	1171.5	1138.9	1096.7	1039.2
132.5°	1059.2	1119.7	1163.5	1193.0	1209.9	1217.5	1209.9	1193.0	1163.5	1119.7	1059.2
135°	1083.3	1146.6	1192.6	1221.4	1236.7	1244.4	1236.7	1221.4	1192.6	1146.6	1083.3
137.5°	1104.4	1161.9	1209.9	1240.2	1254.0	1258.9	1254.0	1240.2	1209.9	1161.9	1104.4
140°	1119.7	1169.6	1217.5	1246.3	1261.6	1263.5	1261.6	1246.3	1217.5	1169.6	1119.7
142.5°	1139.7	1178.8	1220.6	1249.4	1264.7	1268.1	1264.7	1249.4	1220.6	1178.8	1139.7
145°	1175.3	1198.4	1227.1	1254.0	1267.4	1271.2	1267.4	1254.0	1227.1	1198.4	1175.3
147.5°	1220.2	1227.5	1242.5	1260.1	1273.1	1275.8	1273.1	1260.1	1242.5	1227.5	1220.2
150°	1254.0	1252.0	1257.8	1269.3	1280.8	1278.9	1280.8	1269.3	1257.8	1252.0	1254.0
152.5°	1292.3	1281.2	1280.8	1286.2	1291.5	1291.2	1291.5	1286.2	1280.8	1281.2	1292.3
155°	1357.5	1336.4	1324.9	1321.1	1321.1	1319.1	1321.1	1321.1	1324.9	1336.4	1357.5
157.5°	1429.2	1399.7	1382.4	1373.2	1370.5	1366.3	1370.5	1373.2	1382.4	1399.7	1429.2
160°	1478.3	1445.7	1428.4	1413.1	1407.3	1401.6	1407.3	1413.1	1428.4	1445.7	1478.3
162.5°	1524.3	1493.2	1474.5	1460.6	1454.9	1446.1	1454.9	1460.6	1474.5	1493.2	1524.3
165°	1599.1	1566.5	1545.4	1533.9	1526.2	1518.6	1526.2	1533.9	1545.4	1566.5	1599.1
167.5°	1673.9	1638.2	1624.4	1611.4	1604.1	1590.3	1604.1	1611.4	1624.4	1638.2	1673.9
170°	1719.9	1687.3	1679.6	1668.1	1654.7	1639.3	1654.7	1668.1	1679.6	1687.3	1719.9
172.5°	1759.8	1737.9	1730.2	1718.7	1714.5	1702.2	1714.5	1718.7	1730.2	1737.9	1759.8
175°	1817.7	1800.4	1800.4	1798.5	1792.7	1781.2	1792.7	1798.5	1800.4	1800.4	1817.7
177.5°	1866.0	1856.8	1862.9	1862.9	1861.4	1850.6	1861.4	1862.9	1862.9	1856.8	1866.0
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1428443

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1187.2	1187.2	1187.2	1187.2
2.5°	1191.1	1192.7	1185.9	1179.0
5°	1190.6	1191.8	1183.3	1174.8
7.5°	1185.8	1186.2	1177.5	1168.9
10°	1181.5	1181.5	1172.5	1163.4
12.5°	1175.8	1175.1	1165.7	1156.2
15°	1163.1	1160.9	1150.9	1140.8
17.5°	1145.1	1143.1	1133.0	1123.0
20°	1131.8	1130.4	1120.4	1110.3
22.5°	1114.0	1113.9	1103.1	1092.2
25°	1081.3	1086.2	1075.6	1065.1
27.5°	1037.7	1050.5	1042.0	1033.4
30°	1003.6	1023.9	1017.3	1010.8
32.5°	965.7	992.3	989.8	987.3
35°	904.1	939.6	944.1	948.6
37.5°	836.1	876.0	889.5	902.9
40°	788.4	831.3	850.4	869.5
42.5°	740.5	784.5	808.5	832.4
45°	669.0	714.8	743.0	771.1
47.5°	600.5	646.3	674.2	702.1
50°	554.4	598.1	625.3	652.4
52.5°	511.0	553.1	577.4	601.7
55°	446.6	486.3	509.4	532.5
57.5°	385.6	421.3	441.3	461.3
60°	346.7	380.9	398.5	416.1
62.5°	308.7	341.5	357.1	372.7
65°	257.4	284.4	296.0	307.5
67.5°	211.1	231.4	237.8	244.2
70°	182.8	199.5	201.5	203.5
72.5°	156.0	169.8	169.0	168.2
75°	118.7	127.9	123.9	119.8
77.5°	87.7	93.7	87.7	81.6
80°	67.8	72.0	66.0	59.9
82.5°	48.5	51.5	46.7	41.8
85°	24.5	25.4	22.9	20.4
87.5°	13.5	12.1	9.3	6.6
90°	34.5	21.1	13.4	5.8
92.5°	74.4	51.8	36.4	21.1
95°	149.6	118.9	84.4	59.4
97.5°	238.1	188.7	154.5	113.5
100°	285.7	237.8	205.2	161.1
102.5°	337.8	297.6	252.7	208.6
105°	431.4	381.6	329.8	279.9
107.5°	518.1	463.2	401.1	356.2
110°	573.3	513.9	448.7	408.4



TEST NUMBER: P1428443

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	627.0	566.0	499.3	459.0
115°	699.8	632.7	571.4	536.9
117.5°	770.0	701.0	636.2	609.0
120°	813.0	743.9	680.7	659.6
122.5°	848.2	780.8	722.1	713.3
125°	901.2	832.1	782.3	793.8
127.5°	944.1	880.8	849.4	875.1
130°	970.2	914.6	895.4	931.8
132.5°	993.2	949.9	941.4	991.7
135°	1027.7	1002.8	1010.5	1079.5
137.5°	1068.7	1059.2	1084.8	1171.9
140°	1094.8	1100.6	1137.0	1234.8
142.5°	1130.1	1143.5	1190.7	1294.6
145°	1184.9	1213.7	1275.0	1378.6
147.5°	1247.1	1284.3	1360.2	1466.4
150°	1288.5	1336.4	1416.9	1518.6
152.5°	1336.0	1385.5	1466.0	1569.2
155°	1409.3	1464.9	1549.2	1637.4
157.5°	1484.0	1540.8	1621.3	1698.4
160°	1530.1	1591.4	1664.3	1735.2
162.5°	1582.2	1639.0	1702.6	1765.9
165°	1658.5	1704.5	1756.3	1810.0
167.5°	1722.6	1760.9	1801.6	1843.4
170°	1764.0	1794.7	1829.2	1861.8
172.5°	1799.3	1823.8	1849.1	1877.1
175°	1846.4	1859.8	1875.2	1892.4
177.5°	1882.9	1887.5	1892.1	1899.7
180°	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1428443

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-L830-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	15.24	15.94	16.34	17.03	18.54	11.49	12.19	12.59	13.28	14.79
	3H	16.53	17.15	17.64	18.26	19.78	12.75	13.37	13.86	14.47	16.00
	4H	16.93	17.52	18.05	18.63	20.16	13.24	13.84	14.36	14.94	16.47
	6H	17.10	17.65	18.23	18.75	20.29	13.54	14.09	14.67	15.20	16.74
	8H	17.14	17.66	18.27	18.78	20.31	13.65	14.17	14.79	15.29	16.83
	12H	17.14	17.63	18.27	18.74	20.30	13.68	14.17	14.81	15.29	16.84
4H	2H	15.35	15.95	16.48	17.05	18.58	12.28	12.87	13.41	13.98	15.50
	3H	16.88	17.37	18.01	18.50	20.04	13.71	14.20	14.84	15.33	16.87
	4H	17.42	17.87	18.55	18.99	20.55	14.28	14.74	15.42	15.86	17.42
	6H	17.72	18.11	18.86	19.25	20.80	14.66	15.05	15.80	16.19	17.74
	8H	17.81	18.17	18.95	19.30	20.87	14.81	15.17	15.95	16.30	17.87
	12H	17.82	18.15	18.98	19.30	20.87	14.84	15.17	16.00	16.31	17.89
8H	4H	17.44	17.80	18.59	18.94	20.51	14.61	14.98	15.76	16.11	17.68
	6H	17.86	18.16	19.02	19.33	20.90	15.10	15.40	16.26	16.58	18.14
	8H	18.03	18.29	19.20	19.45	21.03	15.32	15.58	16.49	16.74	18.32
	12H	18.10	18.33	19.27	19.48	21.10	15.40	15.63	16.57	16.78	18.40
12H	4H	17.39	17.72	18.55	18.87	20.44	14.62	14.95	15.78	16.10	17.67
	6H	17.85	18.11	19.02	19.27	20.85	15.18	15.44	16.34	16.59	18.18
	8H	18.04	18.26	19.21	19.42	21.04	15.41	15.64	16.58	16.79	18.41