

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: P1435870

Luminaire Tested: SQ2W-FA-K-150U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435870
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FA-K-150U-075D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

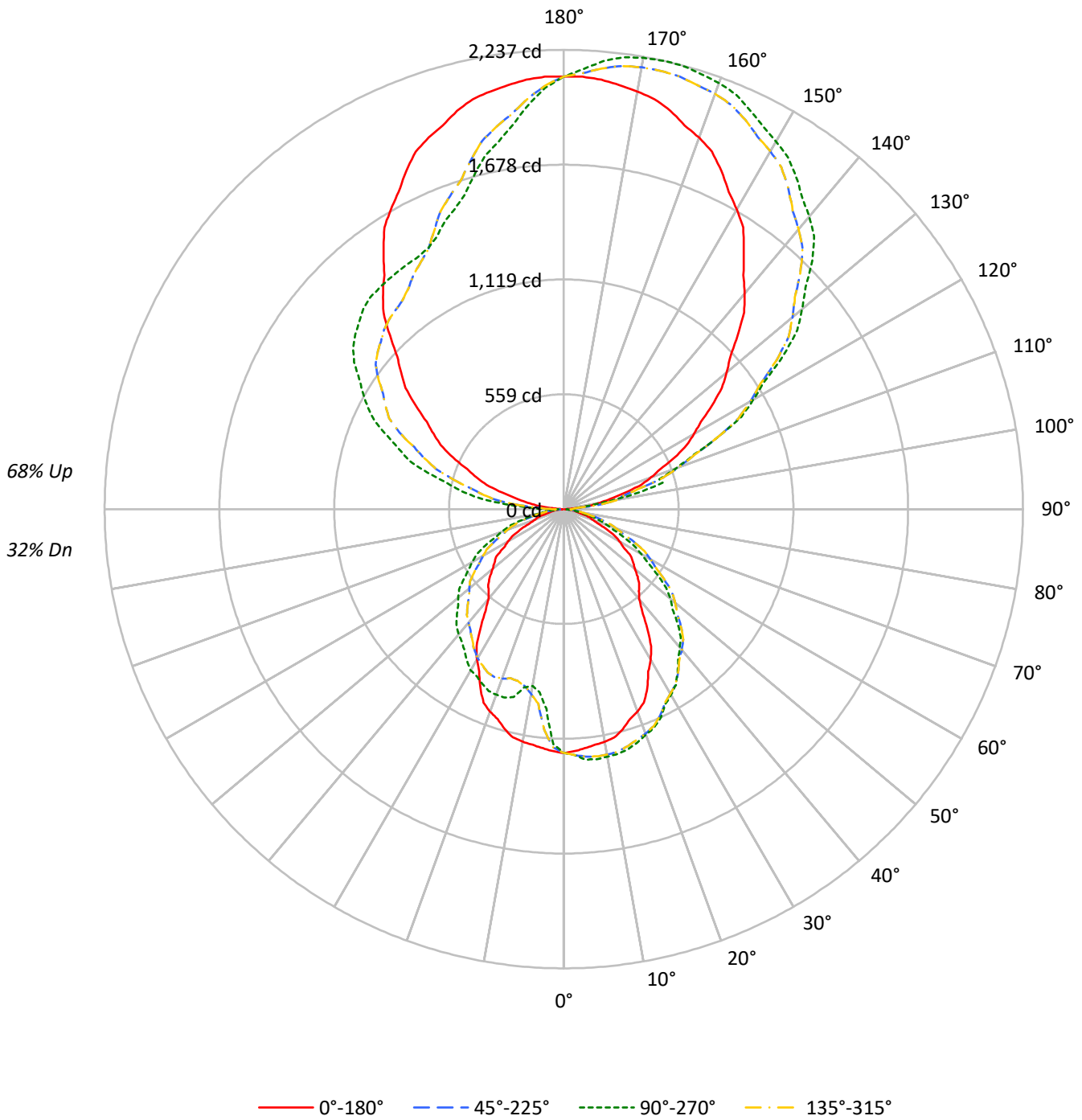
Lumens per Lamp: N/A
Luminaire Lumens: 9108.8 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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	56	56	56	40	40	40	32
1	94	90	86	83	84	81	78	75	64	62	60	49	48	47	35	35	34	27
2	86	78	72	67	77	71	66	61	57	53	50	43	41	39	31	30	29	23
3	78	69	62	56	70	62	56	51	50	46	42	38	35	33	28	26	24	20
4	71	61	53	47	64	55	48	43	44	39	36	34	31	28	25	23	21	17
5	65	54	46	40	59	49	42	37	39	34	31	31	27	24	22	20	18	15
6	60	48	40	35	54	44	37	32	35	30	27	28	24	21	20	18	16	13
7	55	44	36	30	50	40	33	28	32	27	23	25	21	19	18	16	14	11
8	51	39	32	27	46	36	29	25	29	24	21	23	19	17	17	14	13	10
9	48	36	29	24	43	33	26	22	27	22	18	21	17	15	15	13	11	9
10	44	33	26	21	40	30	24	20	24	20	16	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19178	19178	19178	19178
5°	18953	19847	18953	15818
10°	18870	20077	18870	14340
15°	18545	20239	18545	15853
20°	18036	20092	18036	16532
25°	17141	19929	17141	16732
30°	15793	19484	15793	16909
35°	13974	19056	13974	16606
40°	12033	18533	12033	16787
45°	11878	17872	11878	16819
50°	11333	17000	11333	16884
55°	11274	15682	11274	16718
60°	10110	13976	10110	16649
65°	8619	12313	8619	16183
70°	6954	10433	6954	14997
75°	6032	8615	6032	13786
80°	5132	6425	5132	11130
85°	3409	3409	3409	6817

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 18431 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	1.2
10°-20°	298.6	3.3
20°-30°	453.5	5.0
30°-40°	532.4	5.8
40°-50°	540.3	5.9
50°-60°	473.3	5.2
60°-70°	335.7	3.7
70°-80°	172.8	1.9
80°-90°	44.9	0.5
90°-100°	167.6	1.8
100°-110°	488.9	5.4
110°-120°	797.8	8.8
120°-130°	1012.4	11.1
130°-140°	1083.3	11.9
140°-150°	1011.5	11.1
150°-160°	832.4	9.1
160°-170°	558.2	6.1
170°-180°	198.2	2.2
0°-30°	859.0	9.4
0°-40°	1391.4	15.3
0°-60°	2405.0	26.4
0°-90°	2958.5	32.5
90°-120°	1454.3	16.0
90°-150°	4561.5	50.1
90°-180°	6150.0	67.5
0°-180°	9108.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1188	1188	1188	1188	1188	
5°	1169	1225	1169	976	1169	111
15°	1110	1211	1110	948	1110	312
25°	962	1119	962	939	962	439
35°	709	967	709	842	709	442
45°	520	783	520	737	520	398
55°	400	557	400	594	400	346
65°	226	322	226	424	226	225
75°	97	138	97	221	97	105
85°	18	18	18	37	18	23
90°	6	47	6	92	6	6
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8
2.5°	1180.4	1188.6	1196.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8
5°	1169.4	1183.7	1198.0	1204.7	1208.8	1211.8	1213.9	1216.4	1220.5	1224.6	1220.5
7.5°	1158.3	1177.6	1196.8	1206.2	1212.3	1217.3	1220.9	1224.2	1226.3	1228.3	1226.3
10°	1151.0	1173.5	1196.0	1206.2	1212.3	1216.4	1218.5	1220.5	1222.6	1224.6	1222.6
12.5°	1139.9	1164.1	1188.2	1200.1	1207.8	1212.8	1214.8	1216.8	1218.9	1220.9	1218.9
15°	1109.5	1142.3	1175.0	1187.8	1193.9	1199.0	1203.1	1206.7	1208.8	1210.8	1208.8
17.5°	1071.8	1111.5	1151.2	1167.2	1175.4	1181.3	1185.0	1188.2	1189.8	1191.5	1189.8
20°	1049.7	1092.6	1135.6	1152.5	1160.7	1165.8	1167.8	1169.4	1169.4	1169.4	1169.4
22.5°	1020.2	1068.1	1116.0	1134.1	1142.3	1146.6	1147.0	1147.7	1149.3	1151.0	1149.3
25°	962.2	1017.4	1072.7	1095.7	1108.0	1113.1	1111.1	1110.5	1114.6	1118.7	1114.6
27.5°	891.3	960.9	1030.4	1054.0	1062.2	1067.3	1069.3	1070.9	1070.9	1070.9	1070.9
30°	847.1	924.9	1002.6	1028.2	1036.4	1041.5	1043.5	1045.1	1045.1	1045.1	1045.1
32.5°	791.9	884.3	976.8	1004.9	1011.4	1014.9	1015.3	1015.6	1015.6	1015.6	1015.6
35°	709.0	821.5	934.1	965.3	969.4	971.4	971.4	970.9	968.9	966.8	968.9
37.5°	626.1	753.8	881.5	918.0	924.1	925.8	922.9	920.3	918.2	916.2	918.2
40°	570.9	710.0	849.2	888.5	894.7	894.7	888.5	883.4	881.4	879.3	881.4
42.5°	541.4	678.9	816.4	855.4	861.5	860.7	852.9	846.6	844.5	842.5	844.5
45°	520.2	643.0	765.8	801.1	807.2	806.2	798.0	790.8	786.7	782.7	786.7
47.5°	488.0	596.0	704.1	738.8	749.0	748.0	735.7	725.5	721.4	717.3	721.4
50°	451.2	557.6	664.0	698.2	708.5	707.5	695.2	684.9	680.9	676.8	680.9
52.5°	425.4	525.2	625.1	656.5	665.1	662.4	648.5	637.1	633.0	628.9	633.0
55°	400.5	484.4	568.3	593.9	600.0	595.9	581.6	569.3	563.2	557.1	563.2
57.5°	342.5	422.3	502.1	527.0	533.5	528.6	512.3	498.2	491.3	484.3	491.3
60°	313.1	384.7	456.3	480.3	488.5	484.4	468.1	453.2	443.0	432.8	443.0
62.5°	279.9	343.3	406.8	431.2	442.7	440.2	423.9	409.0	398.8	388.6	398.8
65°	225.6	280.8	336.1	360.6	375.0	373.9	357.6	342.7	332.5	322.3	332.5
67.5°	176.8	224.3	271.7	295.9	312.2	311.4	293.4	277.9	269.7	261.5	269.7
70°	147.3	188.2	229.2	251.7	268.0	268.0	251.7	237.4	229.2	221.0	229.2
72.5°	128.9	160.0	191.1	212.4	230.4	230.4	212.4	197.2	190.7	184.2	190.7
75°	96.7	115.1	133.5	153.5	173.9	176.0	159.6	146.3	142.2	138.1	142.2
77.5°	70.0	78.6	87.2	102.8	120.8	122.9	109.0	98.1	96.5	94.8	96.5
80°	55.2	57.3	59.3	72.1	88.5	90.5	78.3	69.1	69.1	69.1	69.1
82.5°	36.8	38.9	40.9	50.0	61.5	62.7	53.7	46.5	44.9	43.3	44.9
85°	18.4	18.4	18.4	21.5	25.6	25.6	21.5	18.4	18.4	18.4	18.4
87.5°	5.0	6.7	8.8	11.7	14.6	15.1	13.4	12.6	13.0	13.0	13.0
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8
2.5°	1198.8	1198.8	1198.8	1198.8	1198.8	1196.8	1188.6	1180.4	1180.4	1180.4	1174.3
5°	1216.4	1213.9	1211.8	1208.8	1204.7	1198.0	1183.7	1169.4	1163.2	1157.1	1131.0
7.5°	1224.2	1220.9	1217.3	1212.3	1206.2	1196.8	1177.6	1158.3	1130.9	1103.5	1045.4
10°	1220.5	1218.5	1216.4	1212.3	1206.2	1196.0	1173.5	1151.0	1095.7	1040.5	985.2
12.5°	1216.8	1214.8	1212.8	1207.8	1200.1	1188.2	1164.1	1139.9	1061.7	983.6	933.7
15°	1206.7	1203.1	1199.0	1193.9	1187.8	1175.0	1142.3	1109.5	1021.5	933.6	891.6
17.5°	1188.2	1185.0	1181.3	1175.4	1167.2	1151.2	1111.5	1071.8	979.7	887.6	860.6
20°	1169.4	1167.8	1165.8	1160.7	1152.5	1135.6	1092.6	1049.7	957.6	865.5	853.2
22.5°	1147.7	1147.0	1146.6	1142.3	1134.1	1116.0	1068.1	1020.2	929.8	839.3	839.7
25°	1110.5	1111.1	1113.1	1108.0	1095.7	1072.7	1017.4	962.2	882.4	802.6	816.4
27.5°	1070.9	1069.3	1067.3	1062.2	1054.0	1030.4	960.9	891.3	828.3	765.3	788.2
30°	1045.1	1043.5	1041.5	1036.4	1028.2	1002.6	924.9	847.1	793.9	740.7	767.3
32.5°	1015.6	1015.3	1014.9	1011.4	1004.9	976.8	884.3	791.9	753.4	714.9	742.8
35°	970.9	971.4	971.4	969.4	965.3	934.1	821.5	709.0	692.6	676.3	709.0
37.5°	920.3	922.9	925.8	924.1	918.0	881.5	753.8	626.1	631.4	636.8	676.5
40°	883.4	888.5	894.7	894.7	888.5	849.2	710.0	570.9	589.3	607.7	650.7
42.5°	846.6	852.9	860.7	861.5	855.4	816.4	678.9	541.4	561.5	581.5	626.1
45°	790.8	798.0	806.2	807.2	801.1	765.8	643.0	520.2	532.5	544.8	587.8
47.5°	725.5	735.7	748.0	749.0	738.8	704.1	596.0	488.0	497.0	506.0	550.0
50°	684.9	695.2	707.5	708.5	698.2	664.0	557.6	451.2	463.5	475.7	521.8
52.5°	637.1	648.5	662.4	665.1	656.5	625.1	525.2	425.4	432.8	440.1	489.8
55°	569.3	581.6	595.9	600.0	593.9	568.3	484.4	400.5	394.4	388.3	438.9
57.5°	498.2	512.3	528.6	533.5	527.0	502.1	422.3	342.5	337.2	331.9	386.7
60°	453.2	468.1	484.4	488.5	480.3	456.3	384.7	313.1	302.8	292.6	349.9
62.5°	409.0	423.9	440.2	442.7	431.2	406.8	343.3	279.9	273.0	266.0	321.7
65°	342.7	357.6	373.9	375.0	360.6	336.1	280.8	225.6	229.7	233.8	283.9
67.5°	277.9	293.4	311.4	312.2	295.9	271.7	224.3	176.8	190.3	203.8	248.9
70°	237.4	251.7	268.0	268.0	251.7	229.2	188.2	147.3	165.7	184.2	225.6
72.5°	197.2	212.4	230.4	230.4	212.4	191.1	160.0	128.9	147.3	165.7	199.8
75°	146.3	159.6	176.0	173.9	153.5	133.5	115.1	96.7	115.1	133.5	159.6
77.5°	98.1	109.0	122.9	120.8	102.8	87.2	78.6	70.0	85.1	100.3	118.5
80°	69.1	78.3	90.5	88.5	72.1	59.3	57.3	55.2	65.5	75.7	89.0
82.5°	46.5	53.7	62.7	61.5	50.0	40.9	38.9	36.8	45.4	54.0	63.2
85°	18.4	21.5	25.6	25.6	21.5	18.4	18.4	18.4	22.5	26.6	30.7
87.5°	12.6	13.4	15.1	14.6	11.7	8.8	6.7	5.0	8.3	11.6	15.0
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2



TEST NUMBER: P1435870

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1435870

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8
2.5°	1166.1	1159.6	1154.6	1150.5	1148.9	1147.3	1148.9	1150.5	1154.6	1159.6	1166.1
5°	1098.3	1063.5	1026.7	996.5	986.2	976.0	986.2	996.5	1026.7	1063.5	1098.3
7.5°	977.0	935.1	919.5	907.1	903.8	900.5	903.8	907.1	919.5	935.1	977.0
10°	930.0	896.2	883.9	874.7	874.7	874.7	874.7	874.7	883.9	896.2	930.0
12.5°	893.1	872.5	871.7	873.1	881.3	889.5	881.3	873.1	871.7	872.5	893.1
15°	865.0	868.1	900.8	927.9	938.2	948.4	938.2	927.9	900.8	868.1	865.0
17.5°	855.3	872.9	913.4	945.8	954.0	962.2	954.0	945.8	913.4	872.9	855.3
20°	867.6	890.1	920.8	945.8	954.0	962.2	954.0	945.8	920.8	890.1	867.6
22.5°	870.4	897.8	922.0	942.1	950.3	958.5	950.3	942.1	922.0	897.8	870.4
25°	861.4	894.2	914.6	931.0	935.1	939.2	935.1	931.0	914.6	894.2	861.4
27.5°	839.7	875.8	896.2	912.3	915.1	918.0	915.1	912.3	896.2	875.8	839.7
30°	820.5	857.3	877.8	894.7	900.8	907.0	900.8	894.7	877.8	857.3	820.5
32.5°	792.7	830.3	855.7	875.0	876.3	877.5	876.3	875.0	855.7	830.3	792.7
35°	758.1	797.0	825.6	846.6	844.5	842.5	844.5	846.6	825.6	797.0	758.1
37.5°	727.6	765.7	790.6	810.0	812.4	814.9	812.4	810.0	790.6	765.7	727.6
40°	701.8	740.7	767.3	788.3	792.4	796.5	792.4	788.3	767.3	740.7	701.8
42.5°	678.9	718.6	745.2	766.2	770.3	774.4	770.3	766.2	745.2	718.6	678.9
45°	641.0	681.9	710.5	732.5	734.6	736.6	734.6	732.5	710.5	681.9	641.0
47.5°	605.7	646.8	673.4	693.8	695.9	697.9	695.9	693.8	673.4	646.8	605.7
50°	579.1	621.0	647.6	668.1	670.1	672.2	670.1	668.1	647.6	621.0	579.1
52.5°	553.7	597.3	620.6	638.6	640.6	642.7	640.6	638.6	620.6	597.3	553.7
55°	508.5	554.5	577.0	593.9	593.9	593.9	593.9	577.0	554.5	508.5	508.5
57.5°	461.6	508.9	528.5	543.9	546.3	548.8	546.3	543.9	528.5	508.9	461.6
60°	429.7	477.8	494.1	507.4	511.5	515.6	511.5	507.4	494.1	477.8	429.7
62.5°	398.2	444.6	461.0	473.9	476.3	478.8	476.3	473.9	461.0	444.6	398.2
65°	349.4	390.3	406.7	419.5	421.5	423.6	421.5	419.5	406.7	390.3	349.4
67.5°	304.6	338.1	349.6	358.6	360.2	361.9	360.2	358.6	349.6	338.1	304.6
70°	274.7	303.3	311.5	317.7	317.7	317.7	317.7	317.7	311.5	303.3	274.7
72.5°	239.1	262.8	271.0	277.6	279.2	280.8	279.2	277.6	271.0	262.8	239.1
75°	188.2	205.6	211.8	216.9	218.9	221.0	218.9	216.9	211.8	205.6	188.2
77.5°	137.7	149.2	152.8	156.1	158.2	160.2	158.2	156.1	152.8	149.2	137.7
80°	103.3	111.5	113.6	115.6	117.7	119.7	117.7	115.6	113.6	111.5	103.3
82.5°	72.6	78.4	80.4	82.1	82.5	82.9	82.5	82.1	80.4	78.4	72.6
85°	34.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	34.8
87.5°	17.2	20.1	23.1	24.8	26.5	25.7	26.5	24.8	23.1	20.1	17.2
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



TEST NUMBER: P1435870

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1435870

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1187.8	1187.8	1187.8	1187.8
2.5°	1174.3	1180.4	1180.4	1180.4
5°	1131.0	1157.1	1163.2	1169.4
7.5°	1045.4	1103.5	1130.9	1158.3
10°	985.2	1040.5	1095.7	1151.0
12.5°	933.7	983.6	1061.7	1139.9
15°	891.6	933.6	1021.5	1109.5
17.5°	860.6	887.6	979.7	1071.8
20°	853.2	865.5	957.6	1049.7
22.5°	839.7	839.3	929.8	1020.2
25°	816.4	802.6	882.4	962.2
27.5°	788.2	765.3	828.3	891.3
30°	767.3	740.7	793.9	847.1
32.5°	742.8	714.9	753.4	791.9
35°	709.0	676.3	692.6	709.0
37.5°	676.5	636.8	631.4	626.1
40°	650.7	607.7	589.3	570.9
42.5°	626.1	581.5	561.5	541.4
45°	587.8	544.8	532.5	520.2
47.5°	550.0	506.0	497.0	488.0
50°	521.8	475.7	463.5	451.2
52.5°	489.8	440.1	432.8	425.4
55°	438.9	388.3	394.4	400.5
57.5°	386.7	331.9	337.2	342.5
60°	349.9	292.6	302.8	313.1
62.5°	321.7	266.0	273.0	279.9
65°	283.9	233.8	229.7	225.6
67.5°	248.9	203.8	190.3	176.8
70°	225.6	184.2	165.7	147.3
72.5°	199.8	165.7	147.3	128.9
75°	159.6	133.5	115.1	96.7
77.5°	118.5	100.3	85.1	70.0
80°	89.0	75.7	65.5	55.2
82.5°	63.2	54.0	45.4	36.8
85°	30.7	26.6	22.5	18.4
87.5°	15.0	11.6	8.3	5.0
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



TEST NUMBER: P1435870

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1435870
 CATALOG NUMBER: SQ2W-FA-K-150U-075D-L940-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	14.75	15.47	15.84	16.56	18.07	15.95	16.67	17.04	17.76	19.26
	3H	15.83	16.47	16.93	17.57	19.09	17.18	17.83	18.28	18.93	20.45
	4H	16.17	16.79	17.29	17.89	19.41	17.56	18.18	18.68	19.28	20.80
	6H	16.33	16.89	17.45	18.00	19.53	17.72	18.28	18.84	19.39	20.92
	8H	16.36	16.89	17.48	18.01	19.54	17.74	18.27	18.86	19.40	20.92
	12H	16.35	16.86	17.48	17.97	19.52	17.72	18.23	18.85	19.34	20.89
4H	2H	15.60	16.21	16.72	17.31	18.84	16.51	17.13	17.63	18.23	19.75
	3H	16.97	17.49	18.10	18.61	20.15	17.96	18.48	19.09	19.60	21.14
	4H	17.42	17.89	18.55	19.01	20.57	18.43	18.90	19.57	20.02	21.58
	6H	17.65	18.05	18.78	19.19	20.74	18.65	19.05	19.79	20.19	21.74
	8H	17.70	18.08	18.84	19.21	20.77	18.69	19.07	19.83	20.20	21.77
	12H	17.69	18.03	18.85	19.18	20.75	18.68	19.02	19.83	20.16	21.73
8H	4H	17.80	18.17	18.93	19.30	20.87	18.62	18.99	19.76	20.13	21.69
	6H	18.14	18.45	19.30	19.63	21.19	18.93	19.24	20.09	20.41	21.97
	8H	18.26	18.53	19.42	19.68	21.26	19.02	19.29	20.19	20.45	22.03
	12H	18.29	18.53	19.46	19.68	21.29	19.03	19.27	20.20	20.42	22.03
12H	4H	17.79	18.13	18.95	19.28	20.85	18.58	18.92	19.73	20.07	21.64
	6H	18.21	18.48	19.37	19.63	21.22	18.94	19.21	20.11	20.37	21.95
	8H	18.35	18.59	19.52	19.74	21.35	19.05	19.29	20.22	20.44	22.06