

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: P1435866

Luminaire Tested: SQ2W-FA-K-150U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1435866  
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-L835-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: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

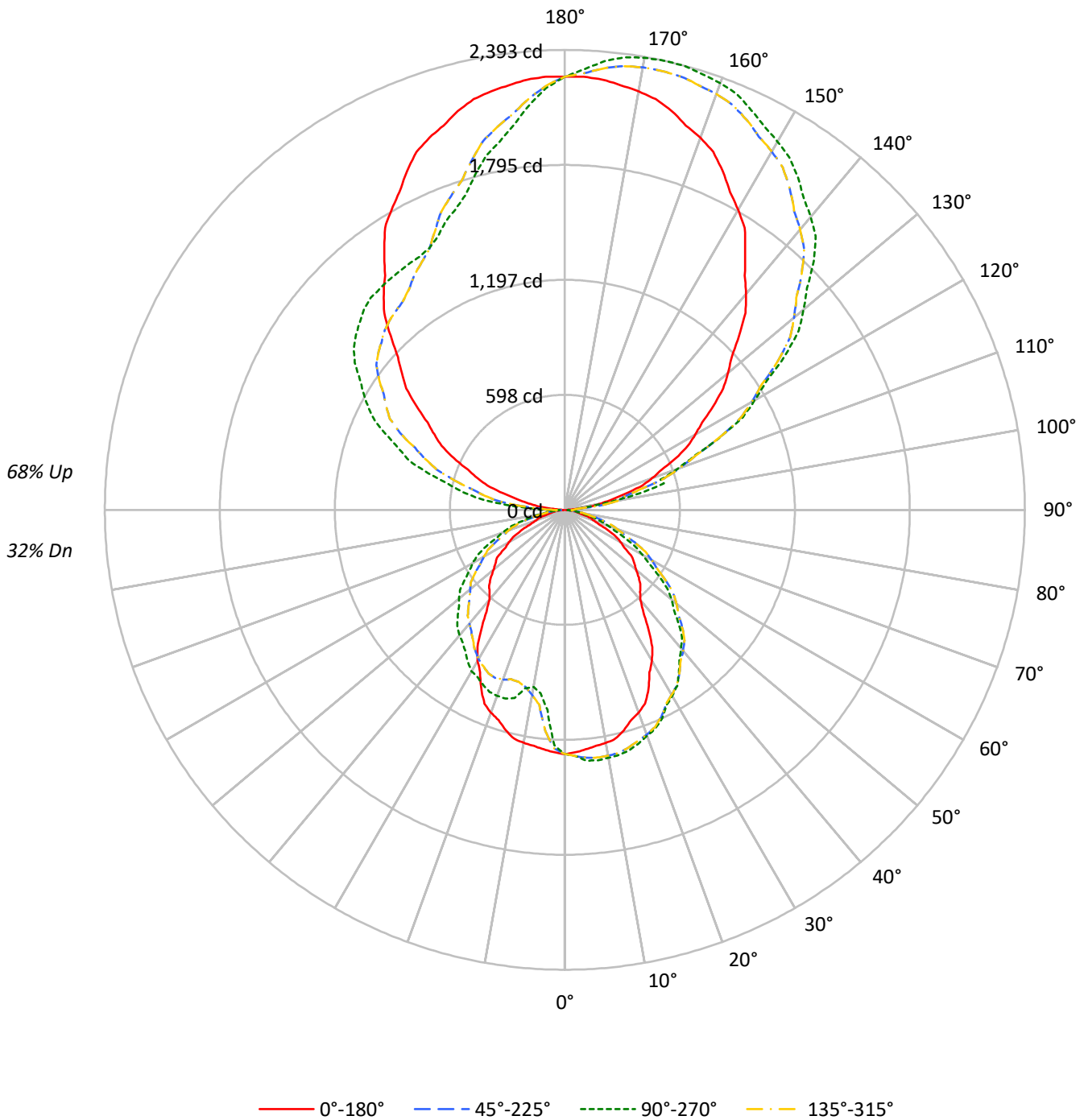
Lumens per Lamp: N/A  
Luminaire Lumens: 9745.2 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 81.8  
Input Voltage (V): 120  
Input Current (Ain): 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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CATALOG NUMBER: SQ2W-FA-K-150U-075D-L835-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	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°	20518	20518	20518	20518
5°	20277	21235	20277	16924
10°	20188	21480	20188	15342
15°	19841	21653	19841	16959
20°	19295	21496	19295	17687
25°	18338	21322	18338	17900
30°	16896	20845	16896	18090
35°	14950	20386	14950	17767
40°	12874	19829	12874	17959
45°	12709	19118	12709	17995
50°	12124	18185	12124	18062
55°	12062	16777	12062	17886
60°	10814	14951	10814	17815
65°	9219	13173	9219	17310
70°	7440	11160	7440	16045
75°	6450	9220	6450	14747
80°	5495	6871	5495	11911
85°	3649	3649	3649	7299

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 19719 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.3	1.2
10°-20°	319.5	3.3
20°-30°	485.2	5.0
30°-40°	569.6	5.8
40°-50°	578.1	5.9
50°-60°	506.3	5.2
60°-70°	359.1	3.7
70°-80°	184.9	1.9
80°-90°	48.1	0.5
90°-100°	179.4	1.8
100°-110°	523.0	5.4
110°-120°	853.6	8.8
120°-130°	1083.1	11.1
130°-140°	1158.9	11.9
140°-150°	1082.2	11.1
150°-160°	890.5	9.1
160°-170°	597.2	6.1
170°-180°	212.1	2.2
0°-30°	919.0	9.4
0°-40°	1488.7	15.3
0°-60°	2573.0	26.4
0°-90°	3165.2	32.5
90°-120°	1556.0	16.0
90°-150°	4880.2	50.1
90°-180°	6580.0	67.5
0°-180°	9745.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1271	1271	1271	1271	1271	
5°	1251	1310	1251	1044	1251	119
15°	1187	1295	1187	1015	1187	333
25°	1029	1197	1029	1005	1029	470
35°	758	1034	758	901	758	473
45°	557	837	557	788	557	426
55°	428	596	428	635	428	371
65°	241	345	241	453	241	241
75°	103	148	103	236	103	112
85°	20	20	20	39	20	25
90°	7	50	7	98	7	6
95°	71	52	71	307	71	85
105°	332	533	332	733	332	353
115°	637	883	637	1088	637	628
125°	942	1400	942	1334	942	843
135°	1282	1832	1282	1477	1282	990
145°	1637	2112	1637	1509	1637	1024
155°	1944	2294	1944	1566	1944	894
165°	2149	2392	2149	1803	2149	605
175°	2247	2342	2247	2115	2247	213
180°	2254	2254	2254	2254	2254	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8
2.5°	1262.9	1271.6	1280.4	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6
5°	1251.1	1266.4	1281.7	1288.8	1293.2	1296.5	1298.7	1301.4	1305.8	1310.2	1305.8
7.5°	1239.2	1259.8	1280.4	1290.5	1297.0	1302.3	1306.2	1309.7	1311.9	1314.1	1311.9
10°	1231.4	1255.4	1279.5	1290.5	1297.0	1301.4	1303.6	1305.8	1308.0	1310.2	1308.0
12.5°	1219.5	1245.4	1271.2	1283.9	1292.2	1297.5	1299.7	1301.9	1304.0	1306.2	1304.0
15°	1187.0	1222.1	1257.1	1270.8	1277.3	1282.8	1287.2	1291.0	1293.2	1295.4	1293.2
17.5°	1146.6	1189.1	1231.6	1248.8	1257.5	1263.9	1267.8	1271.2	1273.0	1274.7	1273.0
20°	1123.0	1169.0	1214.9	1233.0	1241.8	1247.2	1249.4	1251.1	1251.1	1251.1	1251.1
22.5°	1091.5	1142.7	1193.9	1213.3	1222.1	1226.7	1227.1	1227.9	1229.6	1231.4	1229.6
25°	1029.4	1088.5	1147.6	1172.3	1185.4	1190.9	1188.7	1188.1	1192.5	1196.9	1192.5
27.5°	953.6	1028.0	1102.4	1127.6	1136.4	1141.8	1144.0	1145.7	1145.7	1145.7	1145.7
30°	906.3	989.5	1072.7	1100.0	1108.8	1114.2	1116.4	1118.1	1118.1	1118.1	1118.1
32.5°	847.2	946.1	1045.1	1075.1	1082.1	1085.8	1086.2	1086.6	1086.6	1086.6	1086.6
35°	758.5	878.9	999.3	1032.7	1037.1	1039.3	1039.3	1038.7	1036.5	1034.3	1036.5
37.5°	669.9	806.5	943.1	982.1	988.7	990.5	987.4	984.5	982.4	980.2	982.4
40°	610.8	759.6	908.5	950.6	957.2	957.2	950.6	945.1	943.0	940.8	943.0
42.5°	579.2	726.3	873.4	915.2	921.7	920.8	912.5	905.7	903.5	901.4	903.5
45°	556.6	687.9	819.3	857.0	863.6	862.5	853.7	846.1	841.7	837.3	841.7
47.5°	522.1	637.7	753.3	790.4	801.3	800.2	787.1	776.1	771.8	767.4	771.8
50°	482.7	596.5	710.4	747.0	758.0	756.9	743.7	732.8	728.4	724.0	728.4
52.5°	455.1	561.9	668.8	702.4	711.6	708.7	693.8	681.6	677.2	672.8	677.2
55°	428.5	518.3	608.0	635.4	642.0	637.6	622.2	609.1	602.5	596.0	602.5
57.5°	366.5	451.8	537.2	563.8	570.8	565.6	548.0	533.0	525.6	518.2	525.6
60°	334.9	411.5	488.2	513.9	522.6	518.3	500.8	484.9	473.9	463.0	473.9
62.5°	299.5	367.3	435.2	461.4	473.6	471.0	453.5	437.6	426.7	415.7	426.7
65°	241.3	300.5	359.6	385.8	401.2	400.1	382.5	366.7	355.7	344.8	355.7
67.5°	189.1	239.9	290.7	316.5	334.1	333.2	313.9	297.3	288.5	279.8	288.5
70°	157.6	201.4	245.2	269.3	286.8	286.8	269.3	253.9	245.2	236.4	245.2
72.5°	137.9	171.2	204.5	227.2	246.5	246.5	227.2	211.0	204.0	197.0	204.0
75°	103.4	123.1	142.8	164.2	186.1	188.3	170.7	156.5	152.1	147.8	152.1
77.5°	74.9	84.1	93.3	110.0	129.3	131.5	116.6	105.0	103.2	101.5	103.2
80°	59.1	61.3	63.5	77.2	94.7	96.9	83.7	73.9	73.9	73.9	73.9
82.5°	39.4	41.6	43.8	53.5	65.8	67.1	57.5	49.8	48.1	46.3	48.1
85°	19.7	19.7	19.7	23.0	27.4	27.4	23.0	19.7	19.7	19.7	19.7
87.5°	5.3	7.1	9.4	12.5	15.7	16.1	14.4	13.5	14.0	14.0	14.0
90°	6.8	15.9	27.3	36.4	43.3	45.5	45.5	47.8	50.1	50.1	50.1
92.5°	25.0	39.6	40.1	40.1	48.7	52.8	56.5	56.9	59.2	59.2	59.2
95°	70.6	77.4	116.1	113.8	77.4	61.5	52.4	52.4	52.4	52.4	52.4
97.5°	134.8	144.8	151.1	202.6	214.0	206.7	168.4	141.6	126.6	119.7	126.6
100°	191.2	195.8	209.4	211.7	268.6	323.2	295.9	261.8	250.4	243.6	250.4
102.5°	247.7	250.4	271.3	280.9	294.1	325.1	419.8	409.3	401.5	400.2	401.5
105°	332.3	334.6	373.3	391.5	400.6	400.6	398.4	443.9	516.7	532.7	516.7
107.5°	422.9	433.4	478.9	527.7	538.1	540.9	529.0	522.2	519.5	521.3	519.5
110°	484.9	500.8	555.4	616.9	632.8	637.4	632.8	626.0	621.4	621.4	621.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	545.0	568.2	630.1	700.7	727.5	741.2	731.2	726.1	721.6	725.2	721.6
115°	637.4	671.5	753.5	826.3	880.9	887.8	885.5	885.5	883.2	883.2	883.2
117.5°	723.0	777.6	869.6	954.2	1017.5	1035.7	1044.8	1042.1	1039.4	1043.9	1039.4
120°	783.1	846.8	951.5	1047.1	1108.6	1135.9	1145.0	1140.4	1145.0	1140.4	1145.0
122.5°	846.8	925.1	1028.0	1127.2	1199.6	1230.6	1241.5	1242.4	1243.3	1240.6	1243.3
125°	942.4	1038.0	1158.6	1261.1	1336.2	1372.6	1381.7	1384.0	1388.6	1399.9	1388.6
127.5°	1038.9	1147.3	1279.7	1378.5	1455.5	1499.6	1513.8	1518.8	1528.3	1533.3	1528.3
130°	1106.3	1229.2	1363.5	1456.8	1532.0	1579.8	1604.8	1611.6	1623.0	1620.7	1623.0
132.5°	1177.3	1305.7	1441.8	1538.8	1608.4	1659.9	1681.3	1700.9	1705.0	1708.2	1705.0
135°	1281.6	1420.4	1557.0	1652.6	1718.6	1768.7	1796.0	1814.2	1825.6	1832.4	1825.6
137.5°	1391.3	1537.9	1669.0	1754.1	1820.6	1863.9	1894.8	1913.9	1925.8	1931.2	1925.8
140°	1466.0	1607.1	1734.6	1823.3	1882.5	1925.8	1953.1	1975.8	1989.5	1989.5	1989.5
142.5°	1537.0	1676.3	1800.1	1888.9	1940.8	1980.4	2009.5	2026.8	2042.3	2042.3	2042.3
145°	1636.7	1775.5	1889.3	1978.1	2021.4	2057.8	2089.7	2103.3	2112.4	2112.4	2112.4
147.5°	1740.9	1863.9	1967.7	2052.8	2089.2	2132.0	2157.0	2168.0	2179.4	2174.3	2179.4
150°	1802.8	1916.7	2016.8	2096.5	2132.9	2173.9	2198.9	2208.0	2219.4	2212.6	2219.4
152.5°	1862.9	1971.3	2062.3	2136.6	2167.5	2208.5	2237.2	2246.3	2254.0	2249.0	2254.0
155°	1944.0	2039.6	2123.8	2192.1	2219.4	2258.1	2285.4	2296.8	2305.9	2294.5	2305.9
157.5°	2016.4	2098.8	2172.1	2234.9	2264.0	2297.3	2322.8	2336.9	2346.0	2341.0	2346.0
160°	2060.1	2135.2	2201.2	2260.4	2287.7	2317.3	2344.6	2360.5	2369.7	2362.8	2369.7
162.5°	2096.5	2164.3	2226.7	2280.4	2304.1	2330.0	2362.8	2376.9	2386.0	2377.4	2386.0
165°	2148.8	2203.5	2258.1	2303.6	2324.1	2344.6	2378.8	2394.7	2401.5	2392.4	2401.5
167.5°	2188.5	2230.3	2274.5	2313.7	2328.7	2348.7	2382.9	2396.1	2404.7	2393.3	2404.7
170°	2210.3	2246.7	2285.4	2317.3	2328.7	2346.9	2381.0	2392.4	2399.2	2387.9	2399.2
172.5°	2228.5	2255.8	2287.2	2315.5	2321.4	2336.0	2368.3	2379.7	2384.7	2375.1	2384.7
175°	2246.7	2262.7	2285.4	2303.6	2301.4	2310.5	2337.8	2346.9	2356.0	2342.3	2356.0
177.5°	2255.4	2262.7	2269.9	2280.9	2273.6	2273.6	2293.6	2299.1	2300.9	2293.6	2300.9
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8
2.5°	1282.6	1282.6	1282.6	1282.6	1282.6	1280.4	1271.6	1262.9	1262.9	1262.9	1256.3
5°	1301.4	1298.7	1296.5	1293.2	1288.8	1281.7	1266.4	1251.1	1244.5	1237.9	1210.0
7.5°	1309.7	1306.2	1302.3	1297.0	1290.5	1280.4	1259.8	1239.2	1209.9	1180.6	1118.4
10°	1305.8	1303.6	1301.4	1297.0	1290.5	1279.5	1255.4	1231.4	1172.3	1113.2	1054.0
12.5°	1301.9	1299.7	1297.5	1292.2	1283.9	1271.2	1245.4	1219.5	1135.9	1052.3	998.9
15°	1291.0	1287.2	1282.8	1277.3	1270.8	1257.1	1222.1	1187.0	1092.9	998.8	953.9
17.5°	1271.2	1267.8	1263.9	1257.5	1248.8	1231.6	1189.1	1146.6	1048.1	949.6	920.7
20°	1251.1	1249.4	1247.2	1241.8	1233.0	1214.9	1169.0	1123.0	1024.5	926.0	912.9
22.5°	1227.9	1227.1	1226.7	1222.1	1213.3	1193.9	1142.7	1091.5	994.7	898.0	898.4
25°	1188.1	1188.7	1190.9	1185.4	1172.3	1147.6	1088.5	1029.4	944.0	858.7	873.4
27.5°	1145.7	1144.0	1141.8	1136.4	1127.6	1102.4	1028.0	953.6	886.1	818.7	843.2
30°	1118.1	1116.4	1114.2	1108.8	1100.0	1072.7	989.5	906.3	849.4	792.5	820.9
32.5°	1086.6	1086.2	1085.8	1082.1	1075.1	1045.1	946.1	847.2	806.0	764.9	794.6
35°	1038.7	1039.3	1039.3	1037.1	1032.7	999.3	878.9	758.5	741.0	723.5	758.5
37.5°	984.5	987.4	990.5	988.7	982.1	943.1	806.5	669.9	675.6	681.2	723.7
40°	945.1	950.6	957.2	957.2	950.6	908.5	759.6	610.8	630.5	650.2	696.1
42.5°	905.7	912.5	920.8	921.7	915.2	873.4	726.3	579.2	600.7	622.1	669.9
45°	846.1	853.7	862.5	863.6	857.0	819.3	687.9	556.6	569.7	582.8	628.8
47.5°	776.1	787.1	800.2	801.3	790.4	753.3	637.7	522.1	531.7	541.4	588.4
50°	732.8	743.7	756.9	758.0	747.0	710.4	596.5	482.7	495.8	509.0	558.2
52.5°	681.6	693.8	708.7	711.6	702.4	668.8	561.9	455.1	463.0	470.9	524.1
55°	609.1	622.2	637.6	642.0	635.4	608.0	518.3	428.5	421.9	415.4	469.6
57.5°	533.0	548.0	565.6	570.8	563.8	537.2	451.8	366.5	360.8	355.1	413.7
60°	484.9	500.8	518.3	522.6	513.9	488.2	411.5	334.9	324.0	313.0	374.3
62.5°	437.6	453.5	471.0	473.6	461.4	435.2	367.3	299.5	292.0	284.6	344.1
65°	366.7	382.5	400.1	401.2	385.8	359.6	300.5	241.3	245.7	250.1	303.7
67.5°	297.3	313.9	333.2	334.1	316.5	290.7	239.9	189.1	203.6	218.0	266.3
70°	253.9	269.3	286.8	286.8	269.3	245.2	201.4	157.6	177.3	197.0	241.3
72.5°	211.0	227.2	246.5	246.5	227.2	204.5	171.2	137.9	157.6	177.3	213.8
75°	156.5	170.7	188.3	186.1	164.2	142.8	123.1	103.4	123.1	142.8	170.7
77.5°	105.0	116.6	131.5	129.3	110.0	93.3	84.1	74.9	91.1	107.3	126.7
80°	73.9	83.7	96.9	94.7	77.2	63.5	61.3	59.1	70.1	81.0	95.2
82.5°	49.8	57.5	67.1	65.8	53.5	43.8	41.6	39.4	48.6	57.8	67.6
85°	19.7	23.0	27.4	27.4	23.0	19.7	19.7	19.7	24.1	28.5	32.8
87.5°	13.5	14.4	16.1	15.7	12.5	9.4	7.1	5.3	8.9	12.5	16.1
90°	47.8	45.5	45.5	43.3	36.4	27.3	15.9	6.8	15.9	25.0	41.0
92.5°	56.9	56.5	52.8	48.7	40.1	40.1	39.6	25.0	43.3	61.5	88.3
95°	52.4	52.4	61.5	77.4	113.8	116.1	77.4	70.6	100.2	141.1	177.6
97.5°	141.6	168.4	206.7	214.0	202.6	151.1	144.8	134.8	183.5	224.0	282.7
100°	261.8	295.9	323.2	268.6	211.7	209.4	195.8	191.2	243.6	282.3	339.2
102.5°	409.3	419.8	325.1	294.1	280.9	271.3	250.4	247.7	300.0	353.3	401.1
105°	443.9	398.4	400.6	400.6	391.5	373.3	334.6	332.3	391.5	453.0	512.2
107.5°	522.2	529.0	540.9	538.1	527.7	478.9	433.4	422.9	476.2	550.0	615.1
110°	626.0	632.8	637.4	632.8	616.9	555.4	500.8	484.9	532.7	610.1	680.6



TEST NUMBER: P1435866

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	726.1	731.2	741.2	727.5	700.7	630.1	568.2	545.0	592.8	672.0	744.4
115°	885.5	885.5	887.8	880.9	826.3	753.5	671.5	637.4	678.3	751.2	830.9
117.5°	1042.1	1044.8	1035.7	1017.5	954.2	869.6	777.6	723.0	755.3	832.2	914.2
120°	1140.4	1145.0	1135.9	1108.6	1047.1	951.5	846.8	783.1	808.1	883.2	965.2
122.5°	1242.4	1241.5	1230.6	1199.6	1127.2	1028.0	925.1	846.8	857.3	926.9	1007.0
125°	1384.0	1381.7	1372.6	1336.2	1261.1	1158.6	1038.0	942.4	928.7	987.9	1069.9
127.5°	1518.8	1513.8	1499.6	1455.5	1378.5	1279.7	1147.3	1038.9	1008.4	1045.7	1120.9
130°	1611.6	1604.8	1579.8	1532.0	1456.8	1363.5	1229.2	1106.3	1063.0	1085.8	1151.8
132.5°	1700.9	1681.3	1659.9	1608.4	1538.8	1441.8	1305.7	1177.3	1117.7	1127.7	1179.1
135°	1814.2	1796.0	1768.7	1718.6	1652.6	1557.0	1420.4	1281.6	1199.6	1190.5	1220.1
137.5°	1913.9	1894.8	1863.9	1820.6	1754.1	1669.0	1537.9	1391.3	1287.9	1257.4	1268.8
140°	1975.8	1953.1	1925.8	1882.5	1823.3	1734.6	1607.1	1466.0	1349.9	1306.6	1299.8
142.5°	2026.8	2009.5	1980.4	1940.8	1888.9	1800.1	1676.3	1537.0	1413.6	1357.6	1341.7
145°	2103.3	2089.7	2057.8	2021.4	1978.1	1889.3	1775.5	1636.7	1513.8	1440.9	1406.8
147.5°	2168.0	2157.0	2132.0	2089.2	2052.8	1967.7	1863.9	1740.9	1614.8	1524.7	1480.5
150°	2208.0	2198.9	2173.9	2132.9	2096.5	2016.8	1916.7	1802.8	1682.2	1586.6	1529.7
152.5°	2246.3	2237.2	2208.5	2167.5	2136.6	2062.3	1971.3	1862.9	1740.5	1644.9	1586.1
155°	2296.8	2285.4	2258.1	2219.4	2192.1	2123.8	2039.6	1944.0	1839.3	1739.1	1673.1
157.5°	2336.9	2322.8	2297.3	2264.0	2234.9	2172.1	2098.8	2016.4	1924.9	1829.3	1761.9
160°	2360.5	2344.6	2317.3	2287.7	2260.4	2201.2	2135.2	2060.1	1975.8	1889.3	1816.5
162.5°	2376.9	2362.8	2330.0	2304.1	2280.4	2226.7	2164.3	2096.5	2021.4	1945.8	1878.4
165°	2394.7	2378.8	2344.6	2324.1	2303.6	2258.1	2203.5	2148.8	2085.1	2023.7	1969.0
167.5°	2396.1	2382.9	2348.7	2328.7	2313.7	2274.5	2230.3	2188.5	2138.8	2090.6	2045.0
170°	2392.4	2381.0	2346.9	2328.7	2317.3	2285.4	2246.7	2210.3	2171.6	2130.6	2094.2
172.5°	2379.7	2368.3	2336.0	2321.4	2315.5	2287.2	2255.8	2228.5	2195.3	2165.2	2136.1
175°	2346.9	2337.8	2310.5	2301.4	2303.6	2285.4	2262.7	2246.7	2226.2	2208.0	2192.1
177.5°	2299.1	2293.6	2273.6	2273.6	2280.9	2269.9	2262.7	2255.4	2246.3	2240.8	2235.3
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1435866

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8
2.5°	1247.6	1240.6	1235.3	1230.9	1229.2	1227.4	1229.2	1230.9	1235.3	1240.6	1247.6
5°	1175.0	1137.8	1098.4	1066.1	1055.1	1044.2	1055.1	1066.1	1098.4	1137.8	1175.0
7.5°	1045.3	1000.4	983.8	970.4	966.9	963.4	966.9	970.4	983.8	1000.4	1045.3
10°	994.9	958.8	945.7	935.8	935.8	935.8	935.8	935.8	945.7	958.8	994.9
12.5°	955.5	933.4	932.6	934.1	942.8	951.6	942.8	934.1	932.6	933.4	955.5
15°	925.4	928.7	963.7	992.8	1003.7	1014.6	1003.7	992.8	963.7	928.7	925.4
17.5°	915.0	933.9	977.2	1011.9	1020.7	1029.4	1020.7	1011.9	977.2	933.9	915.0
20°	928.2	952.3	985.1	1011.9	1020.7	1029.4	1020.7	1011.9	985.1	952.3	928.2
22.5°	931.2	960.6	986.4	1008.0	1016.7	1025.5	1016.7	1008.0	986.4	960.6	931.2
25°	921.6	956.6	978.5	996.0	1000.4	1004.8	1000.4	996.0	978.5	956.6	921.6
27.5°	898.4	936.9	958.8	976.0	979.1	982.1	979.1	976.0	958.8	936.9	898.4
30°	877.8	917.2	939.1	957.2	963.7	970.3	963.7	957.2	939.1	917.2	877.8
32.5°	848.1	888.3	915.5	936.2	937.5	938.8	937.5	936.2	915.5	888.3	848.1
35°	811.1	852.7	883.3	905.7	903.5	901.4	903.5	905.7	883.3	852.7	811.1
37.5°	778.4	819.2	845.9	866.6	869.2	871.8	869.2	866.6	845.9	819.2	778.4
40°	750.9	792.5	820.9	843.3	847.7	852.1	847.7	843.3	820.9	792.5	750.9
42.5°	726.3	768.8	797.3	819.7	824.1	828.5	824.1	819.7	797.3	768.8	726.3
45°	685.7	729.5	760.2	783.7	785.9	788.1	785.9	783.7	760.2	729.5	685.7
47.5°	648.0	692.0	720.4	742.3	744.5	746.7	744.5	742.3	720.4	692.0	648.0
50°	619.5	664.4	692.8	714.7	716.9	719.1	716.9	714.7	692.8	664.4	619.5
52.5°	592.4	639.0	664.0	683.2	685.4	687.6	685.4	683.2	664.0	639.0	592.4
55°	544.0	593.2	617.3	635.4	635.4	635.4	635.4	635.4	617.3	593.2	544.0
57.5°	493.9	544.4	565.4	581.9	584.5	587.1	584.5	581.9	565.4	544.4	493.9
60°	459.7	511.2	528.7	542.9	547.3	551.7	547.3	542.9	528.7	511.2	459.7
62.5°	426.0	475.7	493.2	507.0	509.6	512.2	509.6	507.0	493.2	475.7	426.0
65°	373.8	417.6	435.1	448.8	451.0	453.1	451.0	448.8	435.1	417.6	373.8
67.5°	325.8	361.7	374.0	383.6	385.4	387.1	385.4	383.6	374.0	361.7	325.8
70°	293.9	324.5	333.3	339.9	339.9	339.9	339.9	339.9	333.3	324.5	293.9
72.5°	255.8	281.2	289.9	297.0	298.7	300.5	298.7	297.0	289.9	281.2	255.8
75°	201.4	220.0	226.6	232.0	234.2	236.4	234.2	232.0	226.6	220.0	201.4
77.5°	147.3	159.6	163.5	167.0	169.2	171.4	169.2	167.0	163.5	159.6	147.3
80°	110.5	119.3	121.5	123.7	125.9	128.1	125.9	123.7	121.5	119.3	110.5
82.5°	77.7	83.8	86.0	87.8	88.2	88.7	88.2	87.8	86.0	83.8	77.7
85°	37.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	37.2
87.5°	18.4	21.5	24.7	26.5	28.4	27.5	28.4	26.5	24.7	21.5	18.4
90°	52.4	68.3	84.2	93.3	102.4	97.9	102.4	93.3	84.2	68.3	52.4
92.5°	105.2	132.0	151.6	168.0	175.3	174.4	175.3	168.0	151.6	132.0	105.2
95°	211.7	243.6	275.4	298.2	311.9	307.3	311.9	298.2	275.4	243.6	211.7
97.5°	326.4	369.2	404.7	426.1	439.8	448.9	439.8	426.1	404.7	369.2	326.4
100°	402.9	443.9	484.9	509.9	532.7	541.8	532.7	509.9	484.9	443.9	402.9
102.5°	464.8	518.5	563.2	590.0	609.1	618.2	609.1	590.0	563.2	518.5	464.8
105°	566.8	623.7	671.5	705.7	726.1	733.0	726.1	705.7	671.5	623.7	566.8
107.5°	668.8	727.5	771.7	809.5	834.5	849.1	834.5	809.5	771.7	727.5	668.8
110°	748.9	796.7	844.5	878.7	903.7	912.8	903.7	878.7	844.5	796.7	748.9



TEST NUMBER: P1435866

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	816.3	869.6	917.4	951.5	980.2	992.9	980.2	951.5	917.4	869.6	816.3
115°	910.5	981.1	1024.3	1056.2	1076.7	1088.1	1076.7	1056.2	1024.3	981.1	910.5
117.5°	988.8	1062.6	1109.9	1134.5	1144.1	1152.3	1144.1	1134.5	1109.9	1062.6	988.8
120°	1038.0	1106.3	1160.9	1192.8	1204.2	1208.7	1204.2	1192.8	1160.9	1106.3	1038.0
122.5°	1083.5	1148.2	1201.0	1240.1	1258.8	1263.4	1258.8	1240.1	1201.0	1148.2	1083.5
125°	1147.3	1208.7	1263.4	1302.1	1322.5	1333.9	1322.5	1302.1	1263.4	1208.7	1147.3
127.5°	1202.8	1269.3	1319.4	1354.4	1374.4	1383.5	1374.4	1354.4	1319.4	1269.3	1202.8
130°	1233.8	1302.1	1352.1	1390.8	1409.0	1418.1	1409.0	1390.8	1352.1	1302.1	1233.8
132.5°	1257.4	1329.4	1381.3	1416.3	1436.4	1445.5	1436.4	1416.3	1381.3	1329.4	1257.4
135°	1286.1	1361.2	1415.9	1450.0	1468.2	1477.3	1468.2	1450.0	1415.9	1361.2	1286.1
137.5°	1311.2	1379.5	1436.4	1472.3	1488.7	1494.6	1488.7	1472.3	1436.4	1379.5	1311.2
140°	1329.4	1388.6	1445.5	1479.6	1497.8	1500.1	1497.8	1479.6	1445.5	1388.6	1329.4
142.5°	1353.0	1399.5	1449.1	1483.3	1501.5	1505.6	1501.5	1483.3	1449.1	1399.5	1353.0
145°	1395.4	1422.7	1456.8	1488.7	1504.6	1509.2	1504.6	1488.7	1456.8	1422.7	1395.4
147.5°	1448.7	1457.3	1475.1	1496.0	1511.5	1514.7	1511.5	1496.0	1475.1	1457.3	1448.7
150°	1488.7	1486.4	1493.3	1506.9	1520.6	1518.3	1520.6	1506.9	1493.3	1486.4	1488.7
152.5°	1534.2	1521.0	1520.6	1527.0	1533.3	1532.9	1533.3	1527.0	1520.6	1521.0	1534.2
155°	1611.6	1586.6	1572.9	1568.4	1568.4	1566.1	1568.4	1568.4	1572.9	1586.6	1611.6
157.5°	1696.8	1661.7	1641.2	1630.3	1627.1	1622.1	1627.1	1630.3	1641.2	1661.7	1696.8
160°	1755.0	1716.3	1695.9	1677.6	1670.8	1664.0	1670.8	1677.6	1695.9	1716.3	1755.0
162.5°	1809.7	1772.8	1750.5	1734.1	1727.3	1716.8	1727.3	1734.1	1750.5	1772.8	1809.7
165°	1898.5	1859.8	1834.7	1821.1	1812.0	1802.8	1812.0	1821.1	1834.7	1859.8	1898.5
167.5°	1987.2	1944.9	1928.5	1913.0	1904.4	1888.0	1904.4	1913.0	1928.5	1944.9	1987.2
170°	2041.9	2003.2	1994.1	1980.4	1964.5	1946.3	1964.5	1980.4	1994.1	2003.2	2041.9
172.5°	2089.2	2063.3	2054.2	2040.5	2035.5	2020.9	2035.5	2040.5	2054.2	2063.3	2089.2
175°	2158.0	2137.5	2137.5	2135.2	2128.4	2114.7	2128.4	2135.2	2137.5	2137.5	2158.0
177.5°	2215.3	2204.4	2211.7	2211.7	2209.9	2197.1	2209.9	2211.7	2211.7	2204.4	2215.3
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1435866

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1270.8	1270.8	1270.8	1270.8
2.5°	1256.3	1262.9	1262.9	1262.9
5°	1210.0	1237.9	1244.5	1251.1
7.5°	1118.4	1180.6	1209.9	1239.2
10°	1054.0	1113.2	1172.3	1231.4
12.5°	998.9	1052.3	1135.9	1219.5
15°	953.9	998.8	1092.9	1187.0
17.5°	920.7	949.6	1048.1	1146.6
20°	912.9	926.0	1024.5	1123.0
22.5°	898.4	898.0	994.7	1091.5
25°	873.4	858.7	944.0	1029.4
27.5°	843.2	818.7	886.1	953.6
30°	820.9	792.5	849.4	906.3
32.5°	794.6	764.9	806.0	847.2
35°	758.5	723.5	741.0	758.5
37.5°	723.7	681.2	675.6	669.9
40°	696.1	650.2	630.5	610.8
42.5°	669.9	622.1	600.7	579.2
45°	628.8	582.8	569.7	556.6
47.5°	588.4	541.4	531.7	522.1
50°	558.2	509.0	495.8	482.7
52.5°	524.1	470.9	463.0	455.1
55°	469.6	415.4	421.9	428.5
57.5°	413.7	355.1	360.8	366.5
60°	374.3	313.0	324.0	334.9
62.5°	344.1	284.6	292.0	299.5
65°	303.7	250.1	245.7	241.3
67.5°	266.3	218.0	203.6	189.1
70°	241.3	197.0	177.3	157.6
72.5°	213.8	177.3	157.6	137.9
75°	170.7	142.8	123.1	103.4
77.5°	126.7	107.3	91.1	74.9
80°	95.2	81.0	70.1	59.1
82.5°	67.6	57.8	48.6	39.4
85°	32.8	28.5	24.1	19.7
87.5°	16.1	12.5	8.9	5.3
90°	41.0	25.0	15.9	6.8
92.5°	88.3	61.5	43.3	25.0
95°	177.6	141.1	100.2	70.6
97.5°	282.7	224.0	183.5	134.8
100°	339.2	282.3	243.6	191.2
102.5°	401.1	353.3	300.0	247.7
105°	512.2	453.0	391.5	332.3
107.5°	615.1	550.0	476.2	422.9
110°	680.6	610.1	532.7	484.9



TEST NUMBER: P1435866

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**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	744.4	672.0	592.8	545.0
115°	830.9	751.2	678.3	637.4
117.5°	914.2	832.2	755.3	723.0
120°	965.2	883.2	808.1	783.1
122.5°	1007.0	926.9	857.3	846.8
125°	1069.9	987.9	928.7	942.4
127.5°	1120.9	1045.7	1008.4	1038.9
130°	1151.8	1085.8	1063.0	1106.3
132.5°	1179.1	1127.7	1117.7	1177.3
135°	1220.1	1190.5	1199.6	1281.6
137.5°	1268.8	1257.4	1287.9	1391.3
140°	1299.8	1306.6	1349.9	1466.0
142.5°	1341.7	1357.6	1413.6	1537.0
145°	1406.8	1440.9	1513.8	1636.7
147.5°	1480.5	1524.7	1614.8	1740.9
150°	1529.7	1586.6	1682.2	1802.8
152.5°	1586.1	1644.9	1740.5	1862.9
155°	1673.1	1739.1	1839.3	1944.0
157.5°	1761.9	1829.3	1924.9	2016.4
160°	1816.5	1889.3	1975.8	2060.1
162.5°	1878.4	1945.8	2021.4	2096.5
165°	1969.0	2023.7	2085.1	2148.8
167.5°	2045.0	2090.6	2138.8	2188.5
170°	2094.2	2130.6	2171.6	2210.3
172.5°	2136.1	2165.2	2195.3	2228.5
175°	2192.1	2208.0	2226.2	2246.7
177.5°	2235.3	2240.8	2246.3	2255.4
180°	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1435866  
 CATALOG NUMBER: SQ2W-FA-K-150U-075D-L835-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	14.98	15.71	16.08	16.80	18.30	16.18	16.91	17.28	18.00	19.50
	3H	16.06	16.71	17.16	17.81	19.33	17.42	18.06	18.52	19.16	20.68
	4H	16.41	17.02	17.52	18.12	19.65	17.80	18.41	18.91	19.51	21.04
	6H	16.56	17.13	17.68	18.23	19.77	17.95	18.52	19.07	19.62	21.16
	8H	16.59	17.13	17.72	18.25	19.78	17.97	18.51	19.10	19.63	21.16
	12H	16.58	17.09	17.71	18.21	19.76	17.95	18.46	19.08	19.58	21.13
4H	2H	15.83	16.45	16.96	17.55	19.07	16.75	17.36	17.87	18.46	19.99
	3H	17.21	17.72	18.34	18.85	20.39	18.20	18.71	19.33	19.84	21.38
	4H	17.66	18.13	18.79	19.25	20.80	18.67	19.14	19.80	20.26	21.81
	6H	17.88	18.28	19.02	19.42	20.97	18.88	19.29	20.02	20.43	21.97
	8H	17.93	18.31	19.07	19.44	21.01	18.93	19.30	20.06	20.44	22.00
	12H	17.93	18.27	19.08	19.41	20.98	18.91	19.25	20.06	20.39	21.96
8H	4H	18.03	18.41	19.17	19.54	21.10	18.85	19.23	19.99	20.36	21.93
	6H	18.38	18.69	19.53	19.86	21.42	19.16	19.47	20.32	20.65	22.21
	8H	18.49	18.76	19.66	19.92	21.50	19.26	19.53	20.42	20.68	22.26
	12H	18.52	18.76	19.69	19.91	21.53	19.26	19.50	20.43	20.65	22.27
12H	4H	18.03	18.37	19.18	19.51	21.08	18.81	19.16	19.97	20.30	21.87
	6H	18.44	18.71	19.61	19.87	21.45	19.18	19.45	20.34	20.60	22.18
	8H	18.58	18.82	19.75	19.97	21.59	19.29	19.52	20.45	20.67	22.29