

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: P1427803

Luminaire Tested: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427803
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

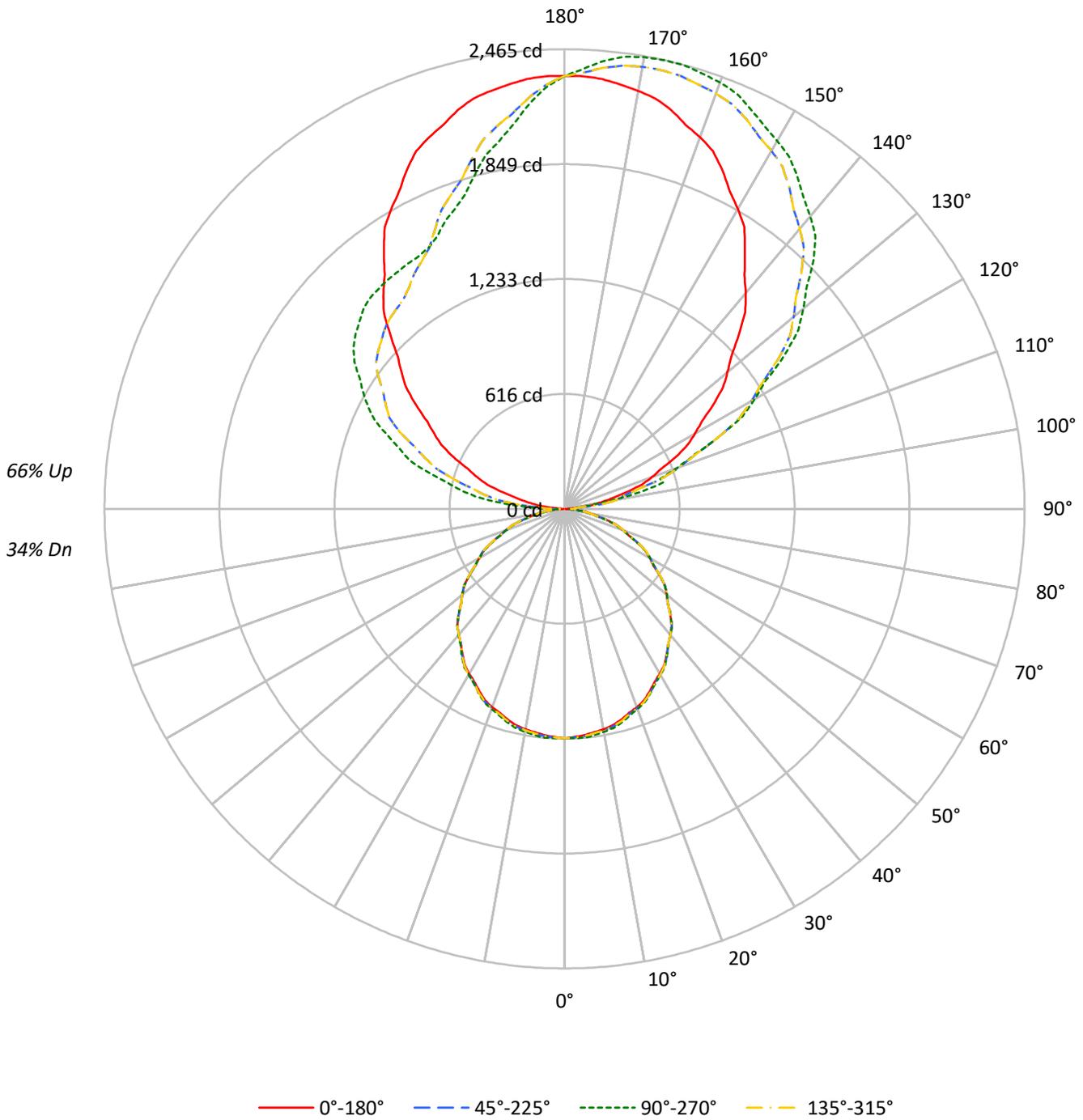
Lumens per Lamp: N/A
Luminaire Lumens: 10249.8 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 81.8
Input Voltage (V): 120
Input Current (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

TEST NUMBER: P1427803

CATALOG NUMBER: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427803

CATALOG NUMBER: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	63	61	50	49	47	36	35	35	28
2	86	78	72	67	77	71	66	61	57	53	50	44	41	39	32	30	29	23
3	78	69	61	56	70	62	56	51	50	45	42	39	36	33	28	26	24	20
4	71	61	53	47	64	55	48	43	44	39	35	34	31	28	25	23	21	17
5	65	54	46	40	59	49	42	37	39	34	30	31	27	24	22	20	18	15
6	60	48	40	34	54	44	37	32	35	30	26	28	24	21	20	18	16	13
7	55	43	35	30	50	39	33	28	32	27	23	25	21	19	18	16	14	11
8	51	39	32	26	46	36	29	24	29	24	20	23	19	16	17	14	13	10
9	48	36	28	23	43	32	26	22	27	22	18	21	17	15	16	13	11	9
10	44	33	25	21	40	30	23	19	24	20	16	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19872	19872	19872	19872
5°	19752	19977	19752	19977
10°	19682	19910	19682	19910
15°	19573	19821	19573	19821
20°	19450	19644	19450	19644
25°	19240	19409	19240	19409
30°	19037	19165	19037	19165
35°	18794	18912	18794	18912
40°	18579	18634	18579	18634
45°	18308	18308	18308	18308
50°	17939	17984	17939	17984
55°	17520	17542	17520	17542
60°	17046	17046	17046	17046
65°	16493	16424	16493	16424
70°	15710	15550	15710	15550
75°	14653	14329	14653	14329
80°	13054	12413	13054	12413
85°	10430	8836	10430	8836

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 18431 cd/sqm



TEST NUMBER: P1427803

CATALOG NUMBER: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	1.1
10°-20°	332.8	3.2
20°-30°	500.9	4.9
30°-40°	599.0	5.8
40°-50°	618.5	6.0
50°-60°	557.9	5.4
60°-70°	427.4	4.2
70°-80°	247.0	2.4
80°-90°	73.7	0.7
90°-100°	184.7	1.8
100°-110°	538.6	5.3
110°-120°	879.0	8.6
120°-130°	1115.4	10.9
130°-140°	1193.5	11.6
140°-150°	1114.5	10.9
150°-160°	917.1	8.9
160°-170°	615.0	6.0
170°-180°	218.4	2.1
0°-30°	950.1	9.3
0°-40°	1549.1	15.1
0°-60°	2725.5	26.6
0°-90°	3473.6	33.9
90°-120°	1602.3	15.6
90°-150°	5025.7	49.0
90°-180°	6776.0	66.1
0°-180°	10249.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1231	1231	1231	1231	1231	
5°	1219	1233	1219	1233	1219	116
15°	1171	1186	1171	1186	1171	330
25°	1080	1090	1080	1090	1080	498
35°	954	960	954	960	954	597
45°	802	802	802	802	802	618
55°	622	623	622	623	622	556
65°	432	430	432	430	432	427
75°	235	230	235	230	235	249
85°	56	48	56	48	56	66
90°	7	52	7	101	7	8
95°	73	54	73	316	73	88
105°	342	548	342	755	342	364
115°	656	910	656	1120	656	647
125°	970	1442	970	1374	970	868
135°	1320	1887	1320	1521	1320	1020
145°	1686	2175	1686	1554	1686	1055
155°	2002	2363	2002	1613	2002	920
165°	2213	2464	2213	1857	2213	623
175°	2314	2412	2314	2178	2314	220
180°	2321	2321	2321	2321	2321	



TEST NUMBER: P1427803

CATALOG NUMBER: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8
2.5°	1224.6	1230.4	1236.3	1233.8	1228.6	1226.6	1227.8	1228.9	1229.5	1230.1	1229.5
5°	1218.7	1226.4	1234.1	1231.4	1225.2	1222.6	1223.3	1224.9	1228.7	1232.6	1228.7
7.5°	1208.8	1216.5	1224.2	1221.8	1215.9	1213.4	1214.4	1216.1	1220.1	1224.1	1220.1
10°	1200.5	1208.2	1215.9	1213.2	1207.0	1204.7	1206.3	1208.2	1211.3	1214.4	1211.3
12.5°	1190.1	1197.8	1205.5	1203.3	1197.7	1195.4	1196.3	1197.9	1201.3	1204.7	1201.3
15°	1171.0	1178.7	1186.4	1184.3	1178.9	1176.8	1178.0	1179.6	1182.7	1185.8	1182.7
17.5°	1148.0	1155.2	1162.5	1160.5	1155.5	1153.7	1155.0	1156.6	1159.3	1162.0	1159.3
20°	1132.0	1139.0	1145.9	1143.9	1138.9	1136.5	1136.9	1137.9	1140.6	1143.3	1140.6
22.5°	1112.6	1119.5	1126.5	1124.7	1120.0	1117.2	1116.4	1116.6	1119.9	1123.2	1119.9
25°	1080.0	1086.9	1093.9	1092.4	1088.2	1085.5	1084.3	1084.2	1086.9	1089.5	1086.9
27.5°	1046.0	1051.8	1057.6	1056.4	1052.8	1050.7	1049.9	1049.8	1051.7	1053.7	1051.7
30°	1021.1	1026.9	1032.6	1031.2	1027.3	1025.0	1024.3	1024.2	1026.1	1028.0	1026.1
32.5°	994.7	1000.2	1005.7	1003.7	999.2	996.9	996.7	997.2	999.4	1001.7	999.4
35°	953.5	958.1	962.7	960.7	956.4	954.5	954.9	955.7	957.6	959.5	957.6
37.5°	912.0	915.6	919.1	917.1	913.1	911.1	911.0	911.4	913.0	914.6	913.0
40°	881.5	885.4	889.2	887.0	882.8	880.5	880.1	880.3	882.2	884.1	882.2
42.5°	850.3	853.2	856.2	854.2	850.6	848.9	849.1	849.5	850.5	851.5	850.5
45°	801.8	804.5	807.2	805.2	801.8	800.0	800.0	800.2	801.0	801.8	801.0
47.5°	751.0	753.1	755.1	753.6	750.9	749.4	748.9	748.9	750.1	751.3	750.1
50°	714.2	716.9	719.6	718.3	715.6	713.8	713.1	712.9	714.4	716.0	714.4
52.5°	678.2	681.2	684.2	682.9	680.2	678.3	677.2	676.7	678.0	679.2	678.0
55°	622.4	625.8	629.3	628.4	626.1	624.2	622.6	621.7	622.4	623.2	622.4
57.5°	565.3	568.7	572.1	571.4	569.4	567.5	565.7	564.5	565.6	566.7	565.6
60°	527.9	531.0	534.0	533.1	530.8	528.8	527.3	526.3	527.1	527.9	527.1
62.5°	489.7	492.8	495.9	494.7	492.1	490.0	488.5	487.5	488.3	489.0	488.3
65°	431.7	434.4	437.1	436.0	433.7	431.8	430.2	429.2	429.5	429.9	429.5
67.5°	373.1	375.4	377.7	376.6	374.4	372.1	369.9	368.4	369.0	369.6	369.0
70°	332.8	335.2	337.5	336.6	334.7	332.7	330.8	329.4	329.4	329.4	329.4
72.5°	294.0	296.0	298.0	296.8	294.6	292.7	291.1	289.9	289.9	289.9	289.9
75°	234.9	236.1	237.2	236.6	235.5	233.9	232.0	230.5	230.1	229.7	230.1
77.5°	177.9	177.9	177.9	176.8	175.3	173.8	172.4	171.2	170.7	170.2	170.7
80°	140.4	140.4	140.4	139.6	138.4	137.2	136.1	135.0	134.3	133.5	134.3
82.5°	105.7	105.1	104.5	103.5	102.3	100.9	99.1	98.0	98.7	99.5	98.7
85°	56.3	55.6	54.8	53.7	52.6	51.2	49.7	48.4	48.1	47.7	48.1
87.5°	18.7	20.0	21.7	22.8	23.2	22.6	21.4	20.9	21.0	20.7	21.0
90°	7.0	16.4	28.1	37.5	44.5	46.9	46.9	49.2	51.6	51.6	51.6
92.5°	25.8	40.8	41.3	41.3	50.2	54.4	58.1	58.6	60.9	60.9	60.9
95°	72.7	79.7	119.6	117.2	79.7	63.3	53.9	53.9	53.9	53.9	53.9
97.5°	138.8	149.1	155.7	208.6	220.4	212.9	173.5	145.8	130.3	123.3	130.3
100°	196.9	201.6	215.7	218.0	276.6	332.9	304.7	269.6	257.9	250.8	257.9
102.5°	255.0	257.9	279.4	289.3	302.9	334.7	432.3	421.5	413.5	412.1	413.5
105°	342.3	344.6	384.4	403.2	412.6	412.6	410.2	457.1	532.1	548.5	532.1
107.5°	435.5	446.3	493.2	543.4	554.2	557.0	544.8	537.8	534.9	536.8	534.9
110°	499.3	515.7	572.0	635.3	651.7	656.4	651.7	644.7	640.0	640.0	640.0



TEST NUMBER: P1427803

CATALOG NUMBER: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	561.2	585.1	648.9	721.5	749.2	763.3	753.0	747.8	743.1	746.9	743.1
115°	656.4	691.5	775.9	850.9	907.2	914.2	911.9	911.9	909.5	909.5	909.5
117.5°	744.5	800.8	895.5	982.7	1047.9	1066.6	1076.0	1073.2	1070.4	1075.0	1070.4
120°	806.4	872.0	979.9	1078.3	1141.6	1169.7	1179.1	1174.4	1179.1	1174.4	1179.1
122.5°	872.0	952.7	1058.6	1160.8	1235.4	1267.3	1278.5	1279.5	1280.4	1277.6	1280.4
125°	970.5	1068.9	1193.2	1298.7	1376.0	1413.5	1422.9	1425.3	1430.0	1441.7	1430.0
127.5°	1069.9	1181.5	1317.9	1419.6	1498.9	1544.3	1558.9	1564.0	1573.9	1579.0	1573.9
130°	1139.3	1265.9	1404.2	1500.3	1577.6	1626.9	1652.7	1659.7	1671.4	1669.1	1671.4
132.5°	1212.4	1344.6	1484.8	1584.7	1656.4	1709.4	1731.4	1751.6	1755.8	1759.1	1755.8
135°	1319.8	1462.8	1603.4	1701.9	1769.9	1821.4	1849.6	1868.3	1880.0	1887.1	1880.0
137.5°	1432.8	1583.7	1718.8	1806.4	1874.9	1919.4	1951.3	1971.0	1983.2	1988.8	1983.2
140°	1509.7	1655.0	1786.3	1877.7	1938.6	1983.2	2011.3	2034.8	2048.8	2048.8	2048.8
142.5°	1582.8	1726.3	1853.8	1945.2	1998.7	2039.4	2069.4	2087.3	2103.2	2103.2	2103.2
145°	1685.5	1828.5	1945.7	2037.1	2081.6	2119.1	2152.0	2166.0	2175.4	2175.4	2175.4
147.5°	1792.8	1919.4	2026.3	2114.0	2151.5	2195.6	2221.3	2232.6	2244.3	2239.2	2244.3
150°	1856.6	1973.8	2076.9	2159.0	2196.5	2238.7	2264.5	2273.9	2285.6	2278.5	2285.6
152.5°	1918.5	2030.1	2123.8	2200.3	2232.1	2274.3	2303.9	2313.2	2321.2	2316.1	2321.2
155°	2001.9	2100.4	2187.1	2257.5	2285.6	2325.4	2353.6	2365.3	2374.7	2362.9	2374.7
157.5°	2076.5	2161.3	2236.8	2301.5	2331.5	2365.8	2392.0	2406.5	2415.9	2410.8	2415.9
160°	2121.5	2198.8	2266.8	2327.8	2355.9	2386.4	2414.5	2430.9	2440.3	2433.3	2440.3
162.5°	2159.0	2228.9	2293.1	2348.4	2372.8	2399.5	2433.3	2447.8	2457.2	2448.3	2457.2
165°	2212.9	2269.2	2325.4	2372.3	2393.4	2414.5	2449.7	2466.1	2473.1	2463.7	2473.1
167.5°	2253.7	2296.8	2342.3	2382.6	2398.1	2418.7	2453.9	2467.5	2476.4	2464.7	2476.4
170°	2276.2	2313.7	2353.6	2386.4	2398.1	2416.9	2452.0	2463.7	2470.8	2459.1	2470.8
172.5°	2295.0	2323.1	2355.4	2384.5	2390.6	2405.6	2438.9	2450.6	2455.8	2445.9	2455.8
175°	2313.7	2330.1	2353.6	2372.3	2370.0	2379.3	2407.5	2416.9	2426.2	2412.2	2426.2
177.5°	2322.6	2330.1	2337.6	2348.9	2341.4	2341.4	2362.0	2367.6	2369.5	2362.0	2369.5
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1427803

CATALOG NUMBER: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8
2.5°	1228.9	1227.8	1226.6	1228.6	1233.8	1236.3	1230.4	1224.6	1230.4	1236.3	1233.8
5°	1224.9	1223.3	1222.6	1225.2	1231.4	1234.1	1226.4	1218.7	1226.4	1234.1	1231.4
7.5°	1216.1	1214.4	1213.4	1215.9	1221.8	1224.2	1216.5	1208.8	1216.5	1224.2	1221.8
10°	1208.2	1206.3	1204.7	1207.0	1213.2	1215.9	1208.2	1200.5	1208.2	1215.9	1213.2
12.5°	1197.9	1196.3	1195.4	1197.7	1203.3	1205.5	1197.8	1190.1	1197.8	1205.5	1203.3
15°	1179.6	1178.0	1176.8	1178.9	1184.3	1186.4	1178.7	1171.0	1178.7	1186.4	1184.3
17.5°	1156.6	1155.0	1153.7	1155.5	1160.5	1162.5	1155.2	1148.0	1155.2	1162.5	1160.5
20°	1137.9	1136.9	1136.5	1138.9	1143.9	1145.9	1139.0	1132.0	1139.0	1145.9	1143.9
22.5°	1116.6	1116.4	1117.2	1120.0	1124.7	1126.5	1119.5	1112.6	1119.5	1126.5	1124.7
25°	1084.2	1084.3	1085.5	1088.2	1092.4	1093.9	1086.9	1080.0	1086.9	1093.9	1092.4
27.5°	1049.8	1049.9	1050.7	1052.8	1056.4	1057.6	1051.8	1046.0	1051.8	1057.6	1056.4
30°	1024.2	1024.3	1025.0	1027.3	1031.2	1032.6	1026.9	1021.1	1026.9	1032.6	1031.2
32.5°	997.2	996.7	996.9	999.2	1003.7	1005.7	1000.2	994.7	1000.2	1005.7	1003.7
35°	955.7	954.9	954.5	956.4	960.7	962.7	958.1	953.5	958.1	962.7	960.7
37.5°	911.4	911.0	911.1	913.1	917.1	919.1	915.6	912.0	915.6	919.1	917.1
40°	880.3	880.1	880.5	882.8	887.0	889.2	885.4	881.5	885.4	889.2	887.0
42.5°	849.5	849.1	848.9	850.6	854.2	856.2	853.2	850.3	853.2	856.2	854.2
45°	800.2	800.0	800.0	801.8	805.2	807.2	804.5	801.8	804.5	807.2	805.2
47.5°	748.9	748.9	749.4	750.9	753.6	755.1	753.1	751.0	753.1	755.1	753.6
50°	712.9	713.1	713.8	715.6	718.3	719.6	716.9	714.2	716.9	719.6	718.3
52.5°	676.7	677.2	678.3	680.2	682.9	684.2	681.2	678.2	681.2	684.2	682.9
55°	621.7	622.6	624.2	626.1	628.4	629.3	625.8	622.4	625.8	629.3	628.4
57.5°	564.5	565.7	567.5	569.4	571.4	572.1	568.7	565.3	568.7	572.1	571.4
60°	526.3	527.3	528.8	530.8	533.1	534.0	531.0	527.9	531.0	534.0	533.1
62.5°	487.5	488.5	490.0	492.1	494.7	495.9	492.8	489.7	492.8	495.9	494.7
65°	429.2	430.2	431.8	433.7	436.0	437.1	434.4	431.7	434.4	437.1	436.0
67.5°	368.4	369.9	372.1	374.4	376.6	377.7	375.4	373.1	375.4	377.7	376.6
70°	329.4	330.8	332.7	334.7	336.6	337.5	335.2	332.8	335.2	337.5	336.6
72.5°	289.9	291.1	292.7	294.6	296.8	298.0	296.0	294.0	296.0	298.0	296.8
75°	230.5	232.0	233.9	235.5	236.6	237.2	236.1	234.9	236.1	237.2	236.6
77.5°	171.2	172.4	173.8	175.3	176.8	177.9	177.9	177.9	177.9	177.9	176.8
80°	135.0	136.1	137.2	138.4	139.6	140.4	140.4	140.4	140.4	140.4	139.6
82.5°	98.0	99.1	100.9	102.3	103.5	104.5	105.1	105.7	105.1	104.5	103.5
85°	48.4	49.7	51.2	52.6	53.7	54.8	55.6	56.3	55.6	54.8	53.7
87.5°	20.9	21.4	22.6	23.2	22.8	21.7	20.0	18.7	20.0	21.3	23.7
90°	49.2	46.9	46.9	44.5	37.5	28.1	16.4	7.0	16.4	25.8	42.2
92.5°	58.6	58.1	54.4	50.2	41.3	41.3	40.8	25.8	44.5	63.3	91.0
95°	53.9	53.9	63.3	79.7	117.2	119.6	79.7	72.7	103.1	145.3	182.8
97.5°	145.8	173.5	212.9	220.4	208.6	155.7	149.1	138.8	188.9	230.7	291.1
100°	269.6	304.7	332.9	276.6	218.0	215.7	201.6	196.9	250.8	290.7	349.3
102.5°	421.5	432.3	334.7	302.9	289.3	279.4	257.9	255.0	309.0	363.8	413.0
105°	457.1	410.2	412.6	412.6	403.2	384.4	344.6	342.3	403.2	466.5	527.4
107.5°	537.8	544.8	557.0	554.2	543.4	493.2	446.3	435.5	490.4	566.4	633.4
110°	644.7	651.7	656.4	651.7	635.3	572.0	515.7	499.3	548.5	628.2	700.9



TEST NUMBER: P1427803

CATALOG NUMBER: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	747.8	753.0	763.3	749.2	721.5	648.9	585.1	561.2	610.4	692.0	766.5
115°	911.9	911.9	914.2	907.2	850.9	775.9	691.5	656.4	698.6	773.6	855.6
117.5°	1073.2	1076.0	1066.6	1047.9	982.7	895.5	800.8	744.5	777.8	857.0	941.4
120°	1174.4	1179.1	1169.7	1141.6	1078.3	979.9	872.0	806.4	832.2	909.5	993.9
122.5°	1279.5	1278.5	1267.3	1235.4	1160.8	1058.6	952.7	872.0	882.8	954.6	1037.1
125°	1425.3	1422.9	1413.5	1376.0	1298.7	1193.2	1068.9	970.5	956.4	1017.4	1101.8
127.5°	1564.0	1558.9	1544.3	1498.9	1419.6	1317.9	1181.5	1069.9	1038.5	1076.9	1154.3
130°	1659.7	1652.7	1626.9	1577.6	1500.3	1404.2	1265.9	1139.3	1094.7	1118.2	1186.2
132.5°	1751.6	1731.4	1709.4	1656.4	1584.7	1484.8	1344.6	1212.4	1151.0	1161.3	1214.3
135°	1868.3	1849.6	1821.4	1769.9	1701.9	1603.4	1462.8	1319.8	1235.4	1226.0	1256.5
137.5°	1971.0	1951.3	1919.4	1874.9	1806.4	1718.8	1583.7	1432.8	1326.3	1294.9	1306.6
140°	2034.8	2011.3	1983.2	1938.6	1877.7	1786.3	1655.0	1509.7	1390.1	1345.6	1338.5
142.5°	2087.3	2069.4	2039.4	1998.7	1945.2	1853.8	1726.3	1582.8	1455.7	1398.1	1381.7
145°	2166.0	2152.0	2119.1	2081.6	2037.1	1945.7	1828.5	1685.5	1558.9	1483.9	1448.7
147.5°	2232.6	2221.3	2195.6	2151.5	2114.0	2026.3	1919.4	1792.8	1663.0	1570.1	1524.7
150°	2273.9	2264.5	2238.7	2196.5	2159.0	2076.9	1973.8	1856.6	1732.4	1633.9	1575.3
152.5°	2313.2	2303.9	2274.3	2232.1	2200.3	2123.8	2030.1	1918.5	1792.4	1693.9	1633.4
155°	2365.3	2353.6	2325.4	2285.6	2257.5	2187.1	2100.4	2001.9	1894.1	1791.0	1723.0
157.5°	2406.5	2392.0	2365.8	2331.5	2301.5	2236.8	2161.3	2076.5	1982.2	1883.8	1814.4
160°	2430.9	2414.5	2386.4	2355.9	2327.8	2266.8	2198.8	2121.5	2034.8	1945.7	1870.7
162.5°	2447.8	2433.3	2399.5	2372.8	2348.4	2293.1	2228.9	2159.0	2081.6	2003.8	1934.4
165°	2466.1	2449.7	2414.5	2393.4	2372.3	2325.4	2269.2	2212.9	2147.3	2084.0	2027.7
167.5°	2467.5	2453.9	2418.7	2398.1	2382.6	2342.3	2296.8	2253.7	2202.6	2152.9	2106.0
170°	2463.7	2452.0	2416.9	2398.1	2386.4	2353.6	2313.7	2276.2	2236.4	2194.2	2156.7
172.5°	2450.6	2438.9	2405.6	2390.6	2384.5	2355.4	2323.1	2295.0	2260.7	2229.8	2199.8
175°	2416.9	2407.5	2379.3	2370.0	2372.3	2353.6	2330.1	2313.7	2292.6	2273.9	2257.5
177.5°	2367.6	2362.0	2341.4	2341.4	2348.9	2337.6	2330.1	2322.6	2313.2	2307.6	2302.0
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1427803

CATALOG NUMBER: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8
2.5°	1228.6	1226.6	1227.8	1228.9	1229.5	1230.1	1229.5	1228.9	1227.8	1226.6	1228.6
5°	1225.2	1222.6	1223.3	1224.9	1228.7	1232.6	1228.7	1224.9	1223.3	1222.6	1225.2
7.5°	1215.9	1213.4	1214.4	1216.1	1220.1	1224.1	1220.1	1216.1	1214.4	1213.4	1215.9
10°	1207.0	1204.7	1206.3	1208.2	1211.3	1214.4	1211.3	1208.2	1206.3	1204.7	1207.0
12.5°	1197.7	1195.4	1196.3	1197.9	1201.3	1204.7	1201.3	1197.9	1196.3	1195.4	1197.7
15°	1178.9	1176.8	1178.0	1179.6	1182.7	1185.8	1182.7	1179.6	1178.0	1176.8	1178.9
17.5°	1155.5	1153.7	1155.0	1156.6	1159.3	1162.0	1159.3	1156.6	1155.0	1153.7	1155.5
20°	1138.9	1136.5	1136.9	1137.9	1140.6	1143.3	1140.6	1137.9	1136.9	1136.5	1138.9
22.5°	1120.0	1117.2	1116.4	1116.6	1119.9	1123.2	1119.9	1116.6	1116.4	1117.2	1120.0
25°	1088.2	1085.5	1084.3	1084.2	1086.9	1089.5	1086.9	1084.2	1084.3	1085.5	1088.2
27.5°	1052.8	1050.7	1049.9	1049.8	1051.7	1053.7	1051.7	1049.8	1049.9	1050.7	1052.8
30°	1027.3	1025.0	1024.3	1024.2	1026.1	1028.0	1026.1	1024.2	1024.3	1025.0	1027.3
32.5°	999.2	996.9	996.7	997.2	999.4	1001.7	999.4	997.2	996.7	996.9	999.2
35°	956.4	954.5	954.9	955.7	957.6	959.5	957.6	955.7	954.9	954.5	956.4
37.5°	913.1	911.1	911.0	911.4	913.0	914.6	913.0	911.4	911.0	911.1	913.1
40°	882.8	880.5	880.1	880.3	882.2	884.1	882.2	880.3	880.1	880.5	882.8
42.5°	850.6	848.9	849.1	849.5	850.5	851.5	850.5	849.5	849.1	848.9	850.6
45°	801.8	800.0	800.0	800.2	801.0	801.8	801.0	800.2	800.0	800.0	801.8
47.5°	750.9	749.4	748.9	748.9	750.1	751.3	750.1	748.9	748.9	749.4	750.9
50°	715.6	713.8	713.1	712.9	714.4	716.0	714.4	712.9	713.1	713.8	715.6
52.5°	680.2	678.3	677.2	676.7	678.0	679.2	678.0	676.7	677.2	678.3	680.2
55°	626.1	624.2	622.6	621.7	622.4	623.2	622.4	621.7	622.6	624.2	626.1
57.5°	569.4	567.5	565.7	564.5	565.6	566.7	565.6	564.5	565.7	567.5	569.4
60°	530.8	528.8	527.3	526.3	527.1	527.9	527.1	526.3	527.3	528.8	530.8
62.5°	492.1	490.0	488.5	487.5	488.3	489.0	488.3	487.5	488.5	490.0	492.1
65°	433.7	431.8	430.2	429.2	429.5	429.9	429.5	429.2	430.2	431.8	433.7
67.5°	374.4	372.1	369.9	368.4	369.0	369.6	369.0	368.4	369.9	372.1	374.4
70°	334.7	332.7	330.8	329.4	329.4	329.4	329.4	329.4	330.8	332.7	334.7
72.5°	294.6	292.7	291.1	289.9	289.9	289.9	289.9	289.9	291.1	292.7	294.6
75°	235.5	233.9	232.0	230.5	230.1	229.7	230.1	230.5	232.0	233.9	235.5
77.5°	175.3	173.8	172.4	171.2	170.7	170.2	170.7	171.2	172.4	173.8	175.3
80°	138.4	137.2	136.1	135.0	134.3	133.5	134.3	135.0	136.1	137.2	138.4
82.5°	102.3	100.9	99.1	98.0	98.7	99.5	98.7	98.0	99.1	100.9	102.3
85°	52.6	51.2	49.7	48.4	48.1	47.7	48.1	48.4	49.7	51.2	52.6
87.5°	25.1	27.3	29.4	30.2	31.8	30.6	31.8	30.2	29.4	27.3	25.1
90°	53.9	70.3	86.7	96.1	105.5	100.8	105.5	96.1	86.7	70.3	53.9
92.5°	108.3	136.0	156.1	173.0	180.5	179.6	180.5	173.0	156.1	136.0	108.3
95°	218.0	250.8	283.6	307.1	321.2	316.5	321.2	307.1	283.6	250.8	218.0
97.5°	336.2	380.2	416.8	438.8	452.9	462.3	452.9	438.8	416.8	380.2	336.2
100°	414.9	457.1	499.3	525.1	548.5	557.9	548.5	525.1	499.3	457.1	414.9
102.5°	478.7	534.0	580.0	607.6	627.3	636.7	627.3	607.6	580.0	534.0	478.7
105°	583.7	642.3	691.5	726.7	747.8	754.8	747.8	726.7	691.5	642.3	583.7
107.5°	688.7	749.2	794.7	833.6	859.4	874.4	859.4	833.6	794.7	749.2	688.7
110°	771.2	820.5	869.7	904.9	930.6	940.0	930.6	904.9	869.7	820.5	771.2



TEST NUMBER: P1427803

CATALOG NUMBER: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	840.6	895.5	944.7	979.9	1009.4	1022.5	1009.4	979.9	944.7	895.5	840.6
115°	937.7	1010.3	1054.9	1087.7	1108.8	1120.5	1108.8	1087.7	1054.9	1010.3	937.7
117.5°	1018.3	1094.3	1143.0	1168.3	1178.2	1186.6	1178.2	1168.3	1143.0	1094.3	1018.3
120°	1068.9	1139.3	1195.5	1228.4	1240.1	1244.8	1240.1	1228.4	1195.5	1139.3	1068.9
122.5°	1115.8	1182.4	1236.8	1277.1	1296.3	1301.0	1296.3	1277.1	1236.8	1182.4	1115.8
125°	1181.5	1244.8	1301.0	1340.9	1362.0	1373.7	1362.0	1340.9	1301.0	1244.8	1181.5
127.5°	1238.7	1307.1	1358.7	1394.8	1415.4	1424.8	1415.4	1394.8	1358.7	1307.1	1238.7
130°	1270.5	1340.9	1392.4	1432.3	1451.1	1460.4	1451.1	1432.3	1392.4	1340.9	1270.5
132.5°	1294.9	1369.0	1422.5	1458.6	1479.2	1488.6	1479.2	1458.6	1422.5	1369.0	1294.9
135°	1324.5	1401.8	1458.1	1493.2	1512.0	1521.4	1512.0	1493.2	1458.1	1401.8	1324.5
137.5°	1350.3	1420.6	1479.2	1516.2	1533.1	1539.2	1533.1	1516.2	1479.2	1420.6	1350.3
140°	1369.0	1430.0	1488.6	1523.7	1542.5	1544.8	1542.5	1523.7	1488.6	1430.0	1369.0
142.5°	1393.4	1441.2	1492.3	1527.5	1546.2	1550.4	1546.2	1527.5	1492.3	1441.2	1393.4
145°	1437.0	1465.1	1500.3	1533.1	1549.5	1554.2	1549.5	1533.1	1500.3	1465.1	1437.0
147.5°	1491.8	1500.7	1519.0	1540.6	1556.5	1559.8	1556.5	1540.6	1519.0	1500.7	1491.8
150°	1533.1	1530.8	1537.8	1551.9	1565.9	1563.6	1565.9	1551.9	1537.8	1530.8	1533.1
152.5°	1580.0	1566.4	1565.9	1572.5	1579.0	1578.6	1579.0	1572.5	1565.9	1566.4	1580.0
155°	1659.7	1633.9	1619.8	1615.1	1615.1	1612.8	1615.1	1615.1	1619.8	1633.9	1659.7
157.5°	1747.4	1711.3	1690.2	1678.9	1675.6	1670.5	1675.6	1678.9	1690.2	1711.3	1747.4
160°	1807.4	1767.5	1746.4	1727.7	1720.6	1713.6	1720.6	1727.7	1746.4	1767.5	1807.4
162.5°	1863.6	1825.7	1802.7	1785.8	1778.8	1768.0	1778.8	1785.8	1802.7	1825.7	1863.6
165°	1955.1	1915.2	1889.4	1875.3	1866.0	1856.6	1866.0	1875.3	1889.4	1915.2	1955.1
167.5°	2046.5	2002.9	1986.0	1970.1	1961.1	1944.3	1961.1	1970.1	1986.0	2002.9	2046.5
170°	2102.7	2062.9	2053.5	2039.4	2023.0	2004.3	2023.0	2039.4	2053.5	2062.9	2102.7
172.5°	2151.5	2124.8	2115.4	2101.3	2096.2	2081.2	2096.2	2101.3	2115.4	2124.8	2151.5
175°	2222.3	2201.2	2201.2	2198.8	2191.8	2177.7	2191.8	2198.8	2201.2	2201.2	2222.3
177.5°	2281.4	2270.1	2277.6	2277.6	2275.7	2262.6	2275.7	2277.6	2277.6	2270.1	2281.4
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1427803

CATALOG NUMBER: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1230.8	1230.8	1230.8	1230.8
2.5°	1233.8	1236.3	1230.4	1224.6
5°	1231.4	1234.1	1226.4	1218.7
7.5°	1221.8	1224.2	1216.5	1208.8
10°	1213.2	1215.9	1208.2	1200.5
12.5°	1203.3	1205.5	1197.8	1190.1
15°	1184.3	1186.4	1178.7	1171.0
17.5°	1160.5	1162.5	1155.2	1148.0
20°	1143.9	1145.9	1139.0	1132.0
22.5°	1124.7	1126.5	1119.5	1112.6
25°	1092.4	1093.9	1086.9	1080.0
27.5°	1056.4	1057.6	1051.8	1046.0
30°	1031.2	1032.6	1026.9	1021.1
32.5°	1003.7	1005.7	1000.2	994.7
35°	960.7	962.7	958.1	953.5
37.5°	917.1	919.1	915.6	912.0
40°	887.0	889.2	885.4	881.5
42.5°	854.2	856.2	853.2	850.3
45°	805.2	807.2	804.5	801.8
47.5°	753.6	755.1	753.1	751.0
50°	718.3	719.6	716.9	714.2
52.5°	682.9	684.2	681.2	678.2
55°	628.4	629.3	625.8	622.4
57.5°	571.4	572.1	568.7	565.3
60°	533.1	534.0	531.0	527.9
62.5°	494.7	495.9	492.8	489.7
65°	436.0	437.1	434.4	431.7
67.5°	376.6	377.7	375.4	373.1
70°	336.6	337.5	335.2	332.8
72.5°	296.8	298.0	296.0	294.0
75°	236.6	237.2	236.1	234.9
77.5°	176.8	177.9	177.9	177.9
80°	139.6	140.4	140.4	140.4
82.5°	103.5	104.5	105.1	105.7
85°	53.7	54.8	55.6	56.3
87.5°	23.7	21.3	20.0	18.7
90°	42.2	25.8	16.4	7.0
92.5°	91.0	63.3	44.5	25.8
95°	182.8	145.3	103.1	72.7
97.5°	291.1	230.7	188.9	138.8
100°	349.3	290.7	250.8	196.9
102.5°	413.0	363.8	309.0	255.0
105°	527.4	466.5	403.2	342.3
107.5°	633.4	566.4	490.4	435.5
110°	700.9	628.2	548.5	499.3



TEST NUMBER: P1427803

CATALOG NUMBER: SQ2W-F-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	766.5	692.0	610.4	561.2
115°	855.6	773.6	698.6	656.4
117.5°	941.4	857.0	777.8	744.5
120°	993.9	909.5	832.2	806.4
122.5°	1037.1	954.6	882.8	872.0
125°	1101.8	1017.4	956.4	970.5
127.5°	1154.3	1076.9	1038.5	1069.9
130°	1186.2	1118.2	1094.7	1139.3
132.5°	1214.3	1161.3	1151.0	1212.4
135°	1256.5	1226.0	1235.4	1319.8
137.5°	1306.6	1294.9	1326.3	1432.8
140°	1338.5	1345.6	1390.1	1509.7
142.5°	1381.7	1398.1	1455.7	1582.8
145°	1448.7	1483.9	1558.9	1685.5
147.5°	1524.7	1570.1	1663.0	1792.8
150°	1575.3	1633.9	1732.4	1856.6
152.5°	1633.4	1693.9	1792.4	1918.5
155°	1723.0	1791.0	1894.1	2001.9
157.5°	1814.4	1883.8	1982.2	2076.5
160°	1870.7	1945.7	2034.8	2121.5
162.5°	1934.4	2003.8	2081.6	2159.0
165°	2027.7	2084.0	2147.3	2212.9
167.5°	2106.0	2152.9	2202.6	2253.7
170°	2156.7	2194.2	2236.4	2276.2
172.5°	2199.8	2229.8	2260.7	2295.0
175°	2257.5	2273.9	2292.6	2313.7
177.5°	2302.0	2307.6	2313.2	2322.6
180°	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1427803
 CATALOG NUMBER: SQ2W-F-K-150U-075D-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	16.54	17.28	17.62	18.36	19.85	16.46	17.20	17.54	18.28	19.76
	3H	18.32	18.99	19.41	20.08	21.58	18.22	18.88	19.31	19.97	21.48
	4H	19.01	19.64	20.11	20.74	22.24	18.90	19.53	20.00	20.62	22.13
	6H	19.44	20.02	20.55	21.12	22.64	19.30	19.88	20.41	20.98	22.50
	8H	19.60	20.15	20.71	21.26	22.78	19.44	20.00	20.56	21.11	22.62
	12H	19.68	20.20	20.80	21.31	22.85	19.50	20.03	20.62	21.13	22.67
4H	2H	17.11	17.74	18.22	18.83	20.34	17.04	17.67	18.15	18.76	20.27
	3H	19.12	19.64	20.23	20.76	22.28	19.02	19.55	20.14	20.67	22.19
	4H	19.93	20.41	21.05	21.52	23.06	19.81	20.30	20.93	21.41	22.95
	6H	20.47	20.89	21.60	22.02	23.55	20.33	20.75	21.46	21.88	23.41
	8H	20.68	21.07	21.81	22.19	23.74	20.52	20.91	21.65	22.03	23.58
	12H	20.79	21.14	21.93	22.28	23.83	20.60	20.96	21.75	22.09	23.65
8H	4H	20.16	20.55	21.29	21.67	23.22	20.06	20.45	21.19	21.57	23.12
	6H	20.84	21.16	21.99	22.33	23.88	20.71	21.03	21.86	22.20	23.74
	8H	21.15	21.43	22.30	22.57	24.14	20.99	21.27	22.15	22.42	23.98
	12H	21.32	21.57	22.48	22.71	24.31	21.13	21.38	22.29	22.52	24.12
12H	4H	20.15	20.50	21.29	21.64	23.19	20.06	20.41	21.20	21.54	23.10
	6H	20.89	21.17	22.05	22.32	23.88	20.77	21.05	21.92	22.19	23.76
	8H	21.22	21.47	22.38	22.61	24.21	21.07	21.32	22.23	22.46	24.06