

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: P1427729

Luminaire Tested: SQ2W-F-K-075U-075D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427729
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-075U-075D-L830-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 750 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

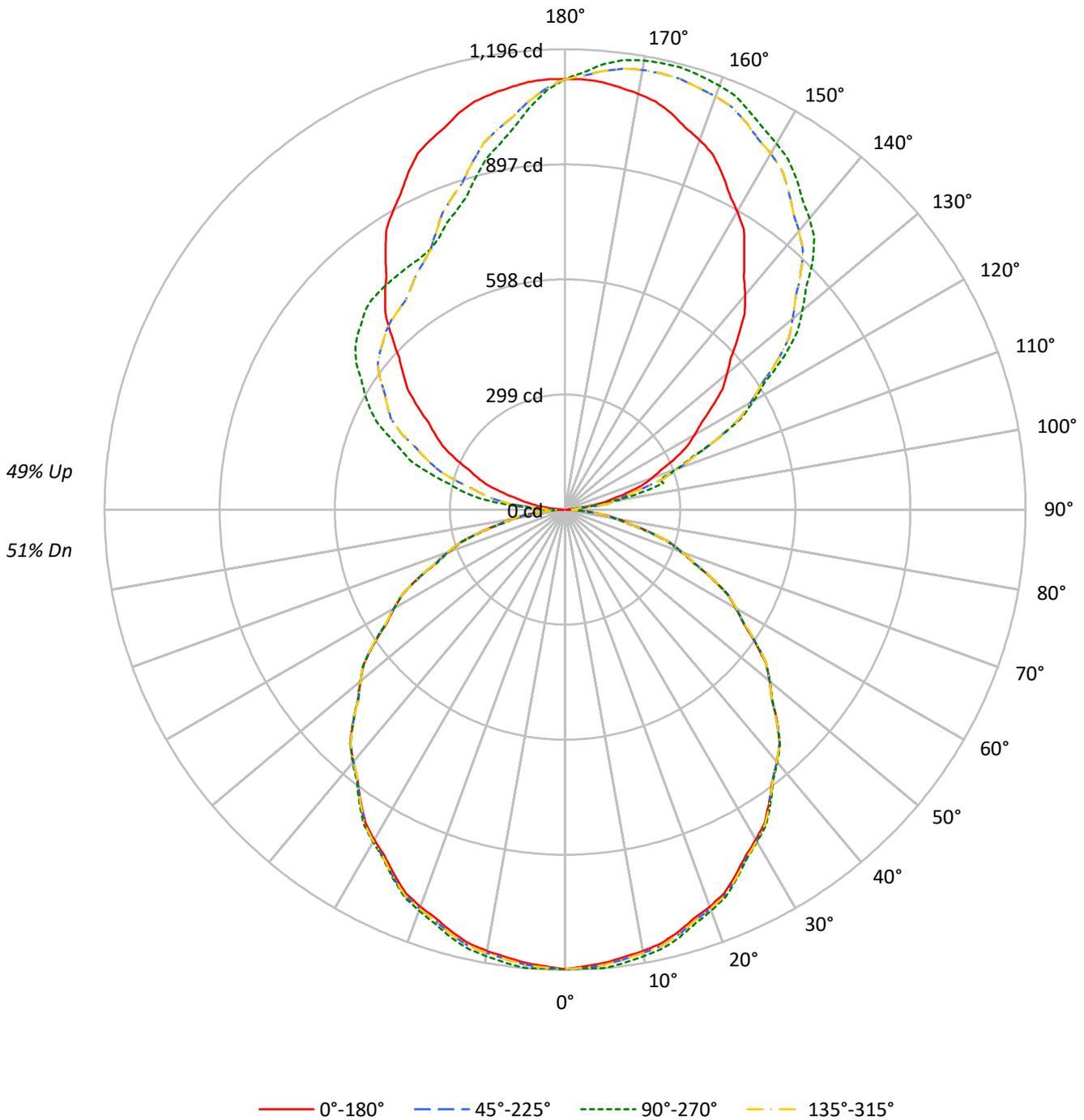
Lumens per Lamp: N/A
Luminaire Lumens: 6630.2 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 50.3
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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	98	93	89	86	90	86	83	80	73	71	68	61	59	58	50	49	48	42
2	89	81	75	70	82	75	70	65	64	60	56	53	50	48	44	42	40	35
3	81	71	64	58	74	66	60	54	56	51	47	47	43	40	39	36	34	30
4	74	63	55	49	68	58	51	46	50	44	40	42	38	34	34	31	29	25
5	68	56	48	42	62	52	45	39	45	39	34	37	33	30	31	28	25	22
6	62	50	42	36	57	47	39	34	40	34	30	34	29	26	28	25	22	19
7	58	45	37	32	53	42	35	30	36	31	26	31	26	23	26	22	19	17
8	54	41	33	28	49	38	31	26	33	27	23	28	24	20	23	20	17	15
9	50	37	30	25	46	35	28	23	30	25	21	26	21	18	22	18	16	14
10	47	34	27	22	43	32	25	21	28	22	19	24	20	16	20	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19279	19279	19279	19279
5°	19163	19381	19163	19381
10°	19095	19315	19095	19315
15°	18990	19229	18990	19229
20°	18871	19058	18871	19058
25°	18666	18832	18666	18832
30°	18468	18593	18468	18593
35°	18232	18348	18232	18348
40°	18025	18079	18025	18079
45°	17762	17762	17762	17762
50°	17404	17447	17404	17447
55°	16996	17019	16996	17019
60°	16536	16536	16536	16536
65°	16000	15935	16000	15935
70°	15243	15087	15243	15087
75°	14217	13899	14217	13899
80°	12664	12041	12664	12041
85°	10133	8577	10133	8577

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 17881 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	1.7
10°-20°	322.8	4.9
20°-30°	486.0	7.3
30°-40°	581.1	8.8
40°-50°	600.1	9.1
50°-60°	541.2	8.2
60°-70°	414.6	6.3
70°-80°	239.6	3.6
80°-90°	66.9	1.0
90°-100°	89.0	1.3
100°-110°	259.5	3.9
110°-120°	423.5	6.4
120°-130°	537.4	8.1
130°-140°	575.1	8.7
140°-150°	537.0	8.1
150°-160°	441.9	6.7
160°-170°	296.3	4.5
170°-180°	105.2	1.6
0°-30°	921.8	13.9
0°-40°	1502.9	22.7
0°-60°	2644.2	39.9
0°-90°	3365.4	50.8
90°-120°	772.0	11.6
90°-150°	2421.5	36.5
90°-180°	3265.0	49.2
0°-180°	6630.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1194	1194	1194	1194	1194	
5°	1182	1196	1182	1196	1182	112
15°	1136	1150	1136	1150	1136	320
25°	1048	1057	1048	1057	1048	483
35°	925	931	925	931	925	579
45°	778	778	778	778	778	599
55°	604	605	604	605	604	539
65°	419	417	419	417	419	414
75°	228	223	228	223	228	241
85°	55	46	55	46	55	64
90°	3	25	3	49	3	5
95°	35	26	35	152	35	42
105°	165	264	165	364	165	175
115°	316	438	316	540	316	312
125°	468	695	468	662	468	418
135°	636	909	636	733	636	491
145°	812	1048	812	749	812	508
155°	965	1138	965	777	965	443
165°	1066	1187	1066	894	1066	300
175°	1115	1162	1115	1049	1115	106
180°	1118	1118	1118	1118	1118	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1
2.5°	1188.1	1193.8	1199.4	1197.0	1192.0	1190.0	1191.2	1192.3	1192.9	1193.5	1192.9
5°	1182.4	1189.8	1197.3	1194.7	1188.7	1186.1	1186.8	1188.3	1192.1	1195.8	1192.1
7.5°	1172.8	1180.2	1187.7	1185.3	1179.6	1177.2	1178.1	1179.8	1183.7	1187.6	1183.7
10°	1164.7	1172.2	1179.6	1177.0	1171.0	1168.8	1170.3	1172.2	1175.2	1178.1	1175.2
12.5°	1154.6	1162.1	1169.6	1167.4	1162.0	1159.8	1160.7	1162.2	1165.4	1168.7	1165.4
15°	1136.1	1143.6	1151.1	1149.0	1143.8	1141.7	1142.8	1144.4	1147.4	1150.4	1147.4
17.5°	1113.7	1120.8	1127.8	1125.9	1121.0	1119.2	1120.5	1122.1	1124.7	1127.4	1124.7
20°	1098.3	1105.0	1111.7	1109.8	1104.9	1102.6	1103.0	1104.0	1106.6	1109.2	1106.6
22.5°	1079.4	1086.1	1092.9	1091.1	1086.6	1083.9	1083.1	1083.3	1086.5	1089.7	1086.5
25°	1047.8	1054.5	1061.3	1059.9	1055.7	1053.1	1052.0	1051.8	1054.4	1057.1	1054.4
27.5°	1014.8	1020.4	1026.1	1024.9	1021.4	1019.3	1018.6	1018.5	1020.4	1022.2	1020.4
30°	990.6	996.2	1001.8	1000.4	996.7	994.4	993.7	993.6	995.5	997.3	995.5
32.5°	965.1	970.4	975.7	973.7	969.4	967.2	967.0	967.4	969.6	971.8	969.6
35°	925.0	929.5	934.0	932.0	927.9	926.1	926.4	927.2	929.0	930.9	929.0
37.5°	884.8	888.3	891.7	889.7	885.9	884.0	883.9	884.2	885.8	887.4	885.8
40°	855.2	859.0	862.7	860.6	856.4	854.2	853.8	854.0	855.9	857.8	855.9
42.5°	825.0	827.8	830.6	828.7	825.2	823.6	823.8	824.2	825.2	826.1	825.2
45°	777.9	780.5	783.1	781.2	777.9	776.2	776.2	776.4	777.1	777.9	777.1
47.5°	728.6	730.6	732.6	731.2	728.5	727.0	726.6	726.5	727.7	728.9	727.7
50°	692.9	695.5	698.2	696.9	694.2	692.6	691.8	691.6	693.1	694.6	693.1
52.5°	657.9	660.9	663.8	662.5	659.9	658.1	657.0	656.6	657.8	659.0	657.8
55°	603.8	607.2	610.5	609.7	607.4	605.6	604.1	603.1	603.9	604.6	603.9
57.5°	548.5	551.7	555.0	554.4	552.5	550.6	548.8	547.7	548.8	549.8	548.8
60°	512.1	515.1	518.1	517.2	514.9	513.1	511.6	510.6	511.4	512.1	511.4
62.5°	475.1	478.1	481.1	479.9	477.4	475.4	473.9	473.0	473.7	474.5	473.7
65°	418.8	421.4	424.0	423.0	420.7	418.9	417.4	416.4	416.7	417.1	416.7
67.5°	361.9	364.2	366.4	365.4	363.2	361.0	358.9	357.4	358.0	358.6	358.0
70°	322.9	325.2	327.4	326.6	324.7	322.8	321.0	319.6	319.6	319.6	319.6
72.5°	285.2	287.2	289.1	288.0	285.8	284.0	282.4	281.2	281.2	281.2	281.2
75°	227.9	229.0	230.1	229.6	228.5	227.0	225.1	223.6	223.2	222.8	223.2
77.5°	172.6	172.6	172.6	171.5	170.1	168.7	167.2	166.1	165.6	165.2	165.6
80°	136.2	136.2	136.2	135.4	134.3	133.1	132.0	131.0	130.3	129.5	130.3
82.5°	102.6	102.0	101.4	100.4	99.3	97.9	96.1	95.0	95.8	96.5	95.8
85°	54.7	53.9	53.2	52.1	51.0	49.7	48.2	47.0	46.6	46.3	46.6
87.5°	17.5	17.8	18.3	18.4	18.2	17.4	16.2	15.4	15.4	15.1	15.4
90°	3.4	7.9	13.6	18.1	21.5	22.6	22.6	23.7	24.8	24.8	24.8
92.5°	12.4	19.7	19.9	19.9	24.2	26.2	28.0	28.2	29.4	29.4	29.4
95°	35.0	38.4	57.6	56.5	38.4	30.5	26.0	26.0	26.0	26.0	26.0
97.5°	66.9	71.8	75.0	100.5	106.2	102.6	83.6	70.3	62.8	59.4	62.8
100°	94.9	97.1	103.9	105.0	133.3	160.4	146.8	129.9	124.2	120.9	124.2
102.5°	122.9	124.2	134.6	139.4	145.9	161.3	208.3	203.1	199.2	198.6	199.2
105°	164.9	166.0	185.2	194.3	198.8	198.8	197.7	220.2	256.4	264.3	256.4
107.5°	209.9	215.1	237.6	261.8	267.0	268.4	262.5	259.1	257.7	258.7	257.7
110°	240.6	248.5	275.6	306.1	314.0	316.3	314.0	310.6	308.3	308.3	308.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	270.4	281.9	312.6	347.7	361.0	367.8	362.8	360.3	358.0	359.9	358.0
115°	316.3	333.2	373.9	410.0	437.1	440.5	439.4	439.4	438.2	438.2	438.2
117.5°	358.7	385.8	431.5	473.5	504.9	513.9	518.4	517.1	515.7	518.0	515.7
120°	388.5	420.2	472.1	519.6	550.1	563.6	568.1	565.9	568.1	565.9	568.1
122.5°	420.2	459.0	510.1	559.3	595.2	610.6	616.0	616.5	616.9	615.6	616.9
125°	467.6	515.0	574.9	625.7	663.0	681.1	685.6	686.7	689.0	694.6	689.0
127.5°	515.5	569.3	635.0	684.0	722.2	744.1	751.1	753.6	758.3	760.8	758.3
130°	548.9	609.9	676.6	722.9	760.1	783.9	796.3	799.7	805.3	804.2	805.3
132.5°	584.2	647.9	715.4	763.5	798.1	823.6	834.2	843.9	846.0	847.6	846.0
135°	635.9	704.8	772.6	820.0	852.8	877.6	891.2	900.2	905.8	909.2	905.8
137.5°	690.3	763.1	828.1	870.4	903.4	924.8	940.2	949.7	955.5	958.2	955.5
140°	727.4	797.4	860.7	904.7	934.1	955.5	969.1	980.4	987.2	987.2	987.2
142.5°	762.6	831.7	893.2	937.2	963.0	982.6	997.1	1005.7	1013.4	1013.4	1013.4
145°	812.1	881.0	937.5	981.5	1003.0	1021.0	1036.9	1043.6	1048.2	1048.2	1048.2
147.5°	863.8	924.8	976.3	1018.6	1036.6	1057.9	1070.3	1075.7	1081.4	1078.9	1081.4
150°	894.5	951.0	1000.7	1040.2	1058.3	1078.7	1091.1	1095.6	1101.2	1097.9	1101.2
152.5°	924.4	978.1	1023.3	1060.1	1075.5	1095.8	1110.1	1114.6	1118.4	1115.9	1118.4
155°	964.6	1012.0	1053.8	1087.7	1101.2	1120.4	1134.0	1139.6	1144.2	1138.5	1144.2
157.5°	1000.5	1041.4	1077.7	1108.9	1123.4	1139.9	1152.5	1159.5	1164.0	1161.6	1164.0
160°	1022.2	1059.4	1092.2	1121.6	1135.1	1149.8	1163.4	1171.3	1175.8	1172.4	1175.8
162.5°	1040.2	1073.9	1104.9	1131.5	1143.3	1156.1	1172.4	1179.4	1183.9	1179.6	1183.9
165°	1066.2	1093.3	1120.4	1143.0	1153.2	1163.4	1180.3	1188.2	1191.6	1187.1	1191.6
167.5°	1085.9	1106.7	1128.6	1148.0	1155.5	1165.4	1182.3	1188.9	1193.2	1187.5	1193.2
170°	1096.7	1114.8	1134.0	1149.8	1155.5	1164.5	1181.4	1187.1	1190.5	1184.8	1190.5
172.5°	1105.8	1119.3	1134.9	1148.9	1151.8	1159.1	1175.1	1180.8	1183.2	1178.5	1183.2
175°	1114.8	1122.7	1134.0	1143.0	1141.9	1146.4	1160.0	1164.5	1169.0	1162.2	1169.0
177.5°	1119.1	1122.7	1126.3	1131.7	1128.1	1128.1	1138.1	1140.8	1141.7	1138.1	1141.7
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1
2.5°	1192.3	1191.2	1190.0	1192.0	1197.0	1199.4	1193.8	1188.1	1193.8	1199.4	1197.0
5°	1188.3	1186.8	1186.1	1188.7	1194.7	1197.3	1189.8	1182.4	1189.8	1197.3	1194.7
7.5°	1179.8	1178.1	1177.2	1179.6	1185.3	1187.7	1180.2	1172.8	1180.2	1187.7	1185.3
10°	1172.2	1170.3	1168.8	1171.0	1177.0	1179.6	1172.2	1164.7	1172.2	1179.6	1177.0
12.5°	1162.2	1160.7	1159.8	1162.0	1167.4	1169.6	1162.1	1154.6	1162.1	1169.6	1167.4
15°	1144.4	1142.8	1141.7	1143.8	1149.0	1151.1	1143.6	1136.1	1143.6	1151.1	1149.0
17.5°	1122.1	1120.5	1119.2	1121.0	1125.9	1127.8	1120.8	1113.7	1120.8	1127.8	1125.9
20°	1104.0	1103.0	1102.6	1104.9	1109.8	1111.7	1105.0	1098.3	1105.0	1111.7	1109.8
22.5°	1083.3	1083.1	1083.9	1086.6	1091.1	1092.9	1086.1	1079.4	1086.1	1092.9	1091.1
25°	1051.8	1052.0	1053.1	1055.7	1059.9	1061.3	1054.5	1047.8	1054.5	1061.3	1059.9
27.5°	1018.5	1018.6	1019.3	1021.4	1024.9	1026.1	1020.4	1014.8	1020.4	1026.1	1024.9
30°	993.6	993.7	994.4	996.7	1000.4	1001.8	996.2	990.6	996.2	1001.8	1000.4
32.5°	967.4	967.0	967.2	969.4	973.7	975.7	970.4	965.1	970.4	975.7	973.7
35°	927.2	926.4	926.1	927.9	932.0	934.0	929.5	925.0	929.5	934.0	932.0
37.5°	884.2	883.9	884.0	885.9	889.7	891.7	888.3	884.8	888.3	891.7	889.7
40°	854.0	853.8	854.2	856.4	860.6	862.7	859.0	855.2	859.0	862.7	860.6
42.5°	824.2	823.8	823.6	825.2	828.7	830.6	827.8	825.0	827.8	830.6	828.7
45°	776.4	776.2	776.2	777.9	781.2	783.1	780.5	777.9	780.5	783.1	781.2
47.5°	726.5	726.6	727.0	728.5	731.2	732.6	730.6	728.6	730.6	732.6	731.2
50°	691.6	691.8	692.6	694.2	696.9	698.2	695.5	692.9	695.5	698.2	696.9
52.5°	656.6	657.0	658.1	659.9	662.5	663.8	660.9	657.9	660.9	663.8	662.5
55°	603.1	604.1	605.6	607.4	609.7	610.5	607.2	603.8	607.2	610.5	609.7
57.5°	547.7	548.8	550.6	552.5	554.4	555.0	551.7	548.5	551.7	555.0	554.4
60°	510.6	511.6	513.1	514.9	517.2	518.1	515.1	512.1	515.1	518.1	517.2
62.5°	473.0	473.9	475.4	477.4	479.9	481.1	478.1	475.1	478.1	481.1	479.9
65°	416.4	417.4	418.9	420.7	423.0	424.0	421.4	418.8	421.4	424.0	423.0
67.5°	357.4	358.9	361.0	363.2	365.4	366.4	364.2	361.9	364.2	366.4	365.4
70°	319.6	321.0	322.8	324.7	326.6	327.4	325.2	322.9	325.2	327.4	326.6
72.5°	281.2	282.4	284.0	285.8	288.0	289.1	287.2	285.2	287.2	289.1	288.0
75°	223.6	225.1	227.0	228.5	229.6	230.1	229.0	227.9	229.0	230.1	229.6
77.5°	166.1	167.2	168.7	170.1	171.5	172.6	172.6	172.6	172.6	172.6	171.5
80°	131.0	132.0	133.1	134.3	135.4	136.2	136.2	136.2	136.2	136.2	135.4
82.5°	95.0	96.1	97.9	99.3	100.4	101.4	102.0	102.6	102.0	101.4	100.4
85°	47.0	48.2	49.7	51.0	52.1	53.2	53.9	54.7	53.9	53.2	52.1
87.5°	15.4	16.2	17.4	18.2	18.4	18.3	17.8	17.5	17.8	18.1	18.9
90°	23.7	22.6	22.6	21.5	18.1	13.6	7.9	3.4	7.9	12.4	20.3
92.5°	28.2	28.0	26.2	24.2	19.9	19.9	19.7	12.4	21.5	30.5	43.8
95°	26.0	26.0	30.5	38.4	56.5	57.6	38.4	35.0	49.7	70.0	88.1
97.5°	70.3	83.6	102.6	106.2	100.5	75.0	71.8	66.9	91.0	111.1	140.3
100°	129.9	146.8	160.4	133.3	105.0	103.9	97.1	94.9	120.9	140.1	168.3
102.5°	203.1	208.3	161.3	145.9	139.4	134.6	124.2	122.9	148.9	175.3	199.0
105°	220.2	197.7	198.8	198.8	194.3	185.2	166.0	164.9	194.3	224.8	254.1
107.5°	259.1	262.5	268.4	267.0	261.8	237.6	215.1	209.9	236.3	272.9	305.2
110°	310.6	314.0	316.3	314.0	306.1	275.6	248.5	240.6	264.3	302.7	337.7



TEST NUMBER: P1427729

CATALOG NUMBER: SQ2W-F-K-075U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	360.3	362.8	367.8	361.0	347.7	312.6	281.9	270.4	294.1	333.4	369.3
115°	439.4	439.4	440.5	437.1	410.0	373.9	333.2	316.3	336.6	372.7	412.3
117.5°	517.1	518.4	513.9	504.9	473.5	431.5	385.8	358.7	374.8	412.9	453.6
120°	565.9	568.1	563.6	550.1	519.6	472.1	420.2	388.5	401.0	438.2	478.9
122.5°	616.5	616.0	610.6	595.2	559.3	510.1	459.0	420.2	425.4	459.9	499.7
125°	686.7	685.6	681.1	663.0	625.7	574.9	515.0	467.6	460.8	490.2	530.9
127.5°	753.6	751.1	744.1	722.2	684.0	635.0	569.3	515.5	500.4	518.9	556.2
130°	799.7	796.3	783.9	760.1	722.9	676.6	609.9	548.9	527.5	538.8	571.5
132.5°	843.9	834.2	823.6	798.1	763.5	715.4	647.9	584.2	554.6	559.5	585.1
135°	900.2	891.2	877.6	852.8	820.0	772.6	704.8	635.9	595.2	590.7	605.4
137.5°	949.7	940.2	924.8	903.4	870.4	828.1	763.1	690.3	639.1	623.9	629.6
140°	980.4	969.1	955.5	934.1	904.7	860.7	797.4	727.4	669.8	648.3	644.9
142.5°	1005.7	997.1	982.6	963.0	937.2	893.2	831.7	762.6	701.4	673.6	665.7
145°	1043.6	1036.9	1021.0	1003.0	981.5	937.5	881.0	812.1	751.1	715.0	698.0
147.5°	1075.7	1070.3	1057.9	1036.6	1018.6	976.3	924.8	863.8	801.3	756.5	734.6
150°	1095.6	1091.1	1078.7	1058.3	1040.2	1000.7	951.0	894.5	834.7	787.2	759.0
152.5°	1114.6	1110.1	1095.8	1075.5	1060.1	1023.3	978.1	924.4	863.6	816.2	787.0
155°	1139.6	1134.0	1120.4	1101.2	1087.7	1053.8	1012.0	964.6	912.6	862.9	830.2
157.5°	1159.5	1152.5	1139.9	1123.4	1108.9	1077.7	1041.4	1000.5	955.1	907.6	874.2
160°	1171.3	1163.4	1149.8	1135.1	1121.6	1092.2	1059.4	1022.2	980.4	937.5	901.3
162.5°	1179.4	1172.4	1156.1	1143.3	1131.5	1104.9	1073.9	1040.2	1003.0	965.5	932.0
165°	1188.2	1180.3	1163.4	1153.2	1143.0	1120.4	1093.3	1066.2	1034.6	1004.1	977.0
167.5°	1188.9	1182.3	1165.4	1155.5	1148.0	1128.6	1106.7	1085.9	1061.3	1037.3	1014.7
170°	1187.1	1181.4	1164.5	1155.5	1149.8	1134.0	1114.8	1096.7	1077.5	1057.2	1039.1
172.5°	1180.8	1175.1	1159.1	1151.8	1148.9	1134.9	1119.3	1105.8	1089.3	1074.4	1059.9
175°	1164.5	1160.0	1146.4	1141.9	1143.0	1134.0	1122.7	1114.8	1104.6	1095.6	1087.7
177.5°	1140.8	1138.1	1128.1	1128.1	1131.7	1126.3	1122.7	1119.1	1114.6	1111.9	1109.1
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1427729

CATALOG NUMBER: SQ2W-F-K-075U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1
2.5°	1192.0	1190.0	1191.2	1192.3	1192.9	1193.5	1192.9	1192.3	1191.2	1190.0	1192.0
5°	1188.7	1186.1	1186.8	1188.3	1192.1	1195.8	1192.1	1188.3	1186.8	1186.1	1188.7
7.5°	1179.6	1177.2	1178.1	1179.8	1183.7	1187.6	1183.7	1179.8	1178.1	1177.2	1179.6
10°	1171.0	1168.8	1170.3	1172.2	1175.2	1178.1	1175.2	1172.2	1170.3	1168.8	1171.0
12.5°	1162.0	1159.8	1160.7	1162.2	1165.4	1168.7	1165.4	1162.2	1160.7	1159.8	1162.0
15°	1143.8	1141.7	1142.8	1144.4	1147.4	1150.4	1147.4	1144.4	1142.8	1141.7	1143.8
17.5°	1121.0	1119.2	1120.5	1122.1	1124.7	1127.4	1124.7	1122.1	1120.5	1119.2	1121.0
20°	1104.9	1102.6	1103.0	1104.0	1106.6	1109.2	1106.6	1104.0	1103.0	1102.6	1104.9
22.5°	1086.6	1083.9	1083.1	1083.3	1086.5	1089.7	1086.5	1083.3	1083.1	1083.9	1086.6
25°	1055.7	1053.1	1052.0	1051.8	1054.4	1057.1	1054.4	1051.8	1052.0	1053.1	1055.7
27.5°	1021.4	1019.3	1018.6	1018.5	1020.4	1022.2	1020.4	1018.5	1018.6	1019.3	1021.4
30°	996.7	994.4	993.7	993.6	995.5	997.3	995.5	993.6	993.7	994.4	996.7
32.5°	969.4	967.2	967.0	967.4	969.6	971.8	969.6	967.4	967.0	967.2	969.4
35°	927.9	926.1	926.4	927.2	929.0	930.9	929.0	927.2	926.4	926.1	927.9
37.5°	885.9	884.0	883.9	884.2	885.8	887.4	885.8	884.2	883.9	884.0	885.9
40°	856.4	854.2	853.8	854.0	855.9	857.8	855.9	854.0	853.8	854.2	856.4
42.5°	825.2	823.6	823.8	824.2	825.2	826.1	825.2	824.2	823.8	823.6	825.2
45°	777.9	776.2	776.2	776.4	777.1	777.9	777.1	776.4	776.2	776.2	777.9
47.5°	728.5	727.0	726.6	726.5	727.7	728.9	727.7	726.5	726.6	727.0	728.5
50°	694.2	692.6	691.8	691.6	693.1	694.6	693.1	691.6	691.8	692.6	694.2
52.5°	659.9	658.1	657.0	656.6	657.8	659.0	657.8	656.6	657.0	658.1	659.9
55°	607.4	605.6	604.1	603.1	603.9	604.6	603.9	603.1	604.1	605.6	607.4
57.5°	552.5	550.6	548.8	547.7	548.8	549.8	548.8	547.7	548.8	550.6	552.5
60°	514.9	513.1	511.6	510.6	511.4	512.1	511.4	510.6	511.6	513.1	514.9
62.5°	477.4	475.4	473.9	473.0	473.7	474.5	473.7	473.0	473.9	475.4	477.4
65°	420.7	418.9	417.4	416.4	416.7	417.1	416.7	416.4	417.4	418.9	420.7
67.5°	363.2	361.0	358.9	357.4	358.0	358.6	358.0	357.4	358.9	361.0	363.2
70°	324.7	322.8	321.0	319.6	319.6	319.6	319.6	319.6	321.0	322.8	324.7
72.5°	285.8	284.0	282.4	281.2	281.2	281.2	281.2	281.2	282.4	284.0	285.8
75°	228.5	227.0	225.1	223.6	223.2	222.8	223.2	223.6	225.1	227.0	228.5
77.5°	170.1	168.7	167.2	166.1	165.6	165.2	165.6	166.1	167.2	168.7	170.1
80°	134.3	133.1	132.0	131.0	130.3	129.5	130.3	131.0	132.0	133.1	134.3
82.5°	99.3	97.9	96.1	95.0	95.8	96.5	95.8	95.0	96.1	97.9	99.3
85°	51.0	49.7	48.2	47.0	46.6	46.3	46.6	47.0	48.2	49.7	51.0
87.5°	19.1	19.6	20.0	20.0	20.6	19.8	20.6	20.0	20.0	19.6	19.1
90°	26.0	33.9	41.8	46.3	50.8	48.6	50.8	46.3	41.8	33.9	26.0
92.5°	52.2	65.5	75.2	83.4	87.0	86.5	87.0	83.4	75.2	65.5	52.2
95°	105.0	120.9	136.7	148.0	154.7	152.5	154.7	148.0	136.7	120.9	105.0
97.5°	162.0	183.2	200.8	211.4	218.2	222.7	218.2	211.4	200.8	183.2	162.0
100°	199.9	220.2	240.6	253.0	264.3	268.8	264.3	253.0	240.6	220.2	199.9
102.5°	230.6	257.3	279.4	292.8	302.2	306.8	302.2	292.8	279.4	257.3	230.6
105°	281.2	309.5	333.2	350.1	360.3	363.7	360.3	350.1	333.2	309.5	281.2
107.5°	331.8	361.0	382.9	401.6	414.1	421.3	414.1	401.6	382.9	361.0	331.8
110°	371.6	395.3	419.0	436.0	448.4	452.9	448.4	436.0	419.0	395.3	371.6



TEST NUMBER: P1427729

CATALOG NUMBER: SQ2W-F-K-075U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	405.0	431.5	455.2	472.1	486.4	492.7	486.4	472.1	455.2	431.5	405.0
115°	451.8	486.8	508.3	524.1	534.2	539.9	534.2	524.1	508.3	486.8	451.8
117.5°	490.6	527.2	550.7	562.9	567.7	571.7	567.7	562.9	550.7	527.2	490.6
120°	515.0	548.9	576.0	591.8	597.5	599.8	597.5	591.8	576.0	548.9	515.0
122.5°	537.6	569.7	595.9	615.3	624.6	626.9	624.6	615.3	595.9	569.7	537.6
125°	569.3	599.8	626.9	646.1	656.2	661.9	656.2	646.1	626.9	599.8	569.3
127.5°	596.8	629.8	654.6	672.0	682.0	686.5	682.0	672.0	654.6	629.8	596.8
130°	612.2	646.1	670.9	690.1	699.1	703.7	699.1	690.1	670.9	646.1	612.2
132.5°	623.9	659.6	685.4	702.8	712.7	717.2	712.7	702.8	685.4	659.6	623.9
135°	638.2	675.4	702.5	719.5	728.5	733.0	728.5	719.5	702.5	675.4	638.2
137.5°	650.6	684.5	712.7	730.5	738.7	741.6	738.7	730.5	712.7	684.5	650.6
140°	659.6	689.0	717.2	734.2	743.2	744.3	743.2	734.2	717.2	689.0	659.6
142.5°	671.4	694.4	719.0	736.0	745.0	747.0	745.0	736.0	719.0	694.4	671.4
145°	692.4	705.9	722.9	738.7	746.6	748.8	746.6	738.7	722.9	705.9	692.4
147.5°	718.8	723.1	731.9	742.3	750.0	751.6	750.0	742.3	731.9	723.1	718.8
150°	738.7	737.5	740.9	747.7	754.5	753.4	754.5	747.7	740.9	737.5	738.7
152.5°	761.3	754.7	754.5	757.7	760.8	760.6	760.8	757.7	754.5	754.7	761.3
155°	799.7	787.2	780.5	778.2	778.2	777.1	778.2	778.2	780.5	787.2	799.7
157.5°	841.9	824.5	814.4	808.9	807.4	804.9	807.4	808.9	814.4	824.5	841.9
160°	870.8	851.6	841.5	832.4	829.0	825.6	829.0	832.4	841.5	851.6	870.8
162.5°	897.9	879.6	868.6	860.4	857.0	851.9	857.0	860.4	868.6	879.6	897.9
165°	942.0	922.8	910.4	903.6	899.1	894.5	899.1	903.6	910.4	922.8	942.0
167.5°	986.0	965.0	956.9	949.2	944.9	936.8	944.9	949.2	956.9	965.0	986.0
170°	1013.1	993.9	989.4	982.6	974.7	965.7	974.7	982.6	989.4	993.9	1013.1
172.5°	1036.6	1023.8	1019.2	1012.5	1010.0	1002.7	1010.0	1012.5	1019.2	1023.8	1036.6
175°	1070.7	1060.6	1060.6	1059.4	1056.1	1049.3	1056.1	1059.4	1060.6	1060.6	1070.7
177.5°	1099.2	1093.8	1097.4	1097.4	1096.5	1090.2	1096.5	1097.4	1097.4	1093.8	1099.2
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1427729

CATALOG NUMBER: SQ2W-F-K-075U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1194.1	1194.1	1194.1	1194.1
2.5°	1197.0	1199.4	1193.8	1188.1
5°	1194.7	1197.3	1189.8	1182.4
7.5°	1185.3	1187.7	1180.2	1172.8
10°	1177.0	1179.6	1172.2	1164.7
12.5°	1167.4	1169.6	1162.1	1154.6
15°	1149.0	1151.1	1143.6	1136.1
17.5°	1125.9	1127.8	1120.8	1113.7
20°	1109.8	1111.7	1105.0	1098.3
22.5°	1091.1	1092.9	1086.1	1079.4
25°	1059.9	1061.3	1054.5	1047.8
27.5°	1024.9	1026.1	1020.4	1014.8
30°	1000.4	1001.8	996.2	990.6
32.5°	973.7	975.7	970.4	965.1
35°	932.0	934.0	929.5	925.0
37.5°	889.7	891.7	888.3	884.8
40°	860.6	862.7	859.0	855.2
42.5°	828.7	830.6	827.8	825.0
45°	781.2	783.1	780.5	777.9
47.5°	731.2	732.6	730.6	728.6
50°	696.9	698.2	695.5	692.9
52.5°	662.5	663.8	660.9	657.9
55°	609.7	610.5	607.2	603.8
57.5°	554.4	555.0	551.7	548.5
60°	517.2	518.1	515.1	512.1
62.5°	479.9	481.1	478.1	475.1
65°	423.0	424.0	421.4	418.8
67.5°	365.4	366.4	364.2	361.9
70°	326.6	327.4	325.2	322.9
72.5°	288.0	289.1	287.2	285.2
75°	229.6	230.1	229.0	227.9
77.5°	171.5	172.6	172.6	172.6
80°	135.4	136.2	136.2	136.2
82.5°	100.4	101.4	102.0	102.6
85°	52.1	53.2	53.9	54.7
87.5°	18.9	18.1	17.8	17.5
90°	20.3	12.4	7.9	3.4
92.5°	43.8	30.5	21.5	12.4
95°	88.1	70.0	49.7	35.0
97.5°	140.3	111.1	91.0	66.9
100°	168.3	140.1	120.9	94.9
102.5°	199.0	175.3	148.9	122.9
105°	254.1	224.8	194.3	164.9
107.5°	305.2	272.9	236.3	209.9
110°	337.7	302.7	264.3	240.6



TEST NUMBER: P1427729

CATALOG NUMBER: SQ2W-F-K-075U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	369.3	333.4	294.1	270.4
115°	412.3	372.7	336.6	316.3
117.5°	453.6	412.9	374.8	358.7
120°	478.9	438.2	401.0	388.5
122.5°	499.7	459.9	425.4	420.2
125°	530.9	490.2	460.8	467.6
127.5°	556.2	518.9	500.4	515.5
130°	571.5	538.8	527.5	548.9
132.5°	585.1	559.5	554.6	584.2
135°	605.4	590.7	595.2	635.9
137.5°	629.6	623.9	639.1	690.3
140°	644.9	648.3	669.8	727.4
142.5°	665.7	673.6	701.4	762.6
145°	698.0	715.0	751.1	812.1
147.5°	734.6	756.5	801.3	863.8
150°	759.0	787.2	834.7	894.5
152.5°	787.0	816.2	863.6	924.4
155°	830.2	862.9	912.6	964.6
157.5°	874.2	907.6	955.1	1000.5
160°	901.3	937.5	980.4	1022.2
162.5°	932.0	965.5	1003.0	1040.2
165°	977.0	1004.1	1034.6	1066.2
167.5°	1014.7	1037.3	1061.3	1085.9
170°	1039.1	1057.2	1077.5	1096.7
172.5°	1059.9	1074.4	1089.3	1105.8
175°	1087.7	1095.6	1104.6	1114.8
177.5°	1109.1	1111.9	1114.6	1119.1
180°	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1427729

CATALOG NUMBER: SQ2W-F-K-075U-075D-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	18.21	19.09	19.16	20.06	21.32	18.13	19.01	19.08	19.97	21.23
	3H	20.00	20.79	20.96	21.77	23.05	19.90	20.69	20.86	21.67	22.95
	4H	20.70	21.45	21.67	22.43	23.72	20.59	21.33	21.56	22.31	23.60
	6H	21.14	21.83	22.12	22.81	24.12	21.00	21.69	21.98	22.67	23.97
	8H	21.30	21.96	22.29	22.96	24.26	21.14	21.80	22.13	22.80	24.10
	12H	21.38	22.01	22.38	23.00	24.33	21.21	21.83	22.20	22.83	24.15
4H	2H	18.79	19.54	19.77	20.52	21.81	18.73	19.48	19.71	20.46	21.75
	3H	20.82	21.44	21.81	22.45	23.76	20.72	21.35	21.71	22.36	23.66
	4H	21.63	22.20	22.63	23.21	24.53	21.52	22.09	22.52	23.10	24.42
	6H	22.19	22.68	23.20	23.70	25.03	22.05	22.54	23.05	23.56	24.89
	8H	22.40	22.86	23.41	23.88	25.22	22.24	22.70	23.25	23.72	25.06
	12H	22.52	22.93	23.54	23.97	25.31	22.33	22.75	23.36	23.78	25.13
8H	4H	21.88	22.34	22.89	23.36	24.70	21.78	22.24	22.79	23.26	24.60
	6H	22.57	22.95	23.60	24.01	25.35	22.44	22.82	23.47	23.88	25.22
	8H	22.87	23.21	23.92	24.26	25.61	22.72	23.05	23.76	24.10	25.46
	12H	23.06	23.35	24.10	24.39	25.79	22.87	23.16	23.91	24.20	25.60
12H	4H	21.87	22.29	22.90	23.32	24.67	21.78	22.20	22.81	23.23	24.58
	6H	22.62	22.95	23.66	24.00	25.36	22.49	22.83	23.54	23.88	25.23
	8H	22.95	23.25	24.00	24.29	25.69	22.80	23.10	23.85	24.14	25.54