

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1435795

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

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1435795  
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-075U-075D-L840-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 750 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

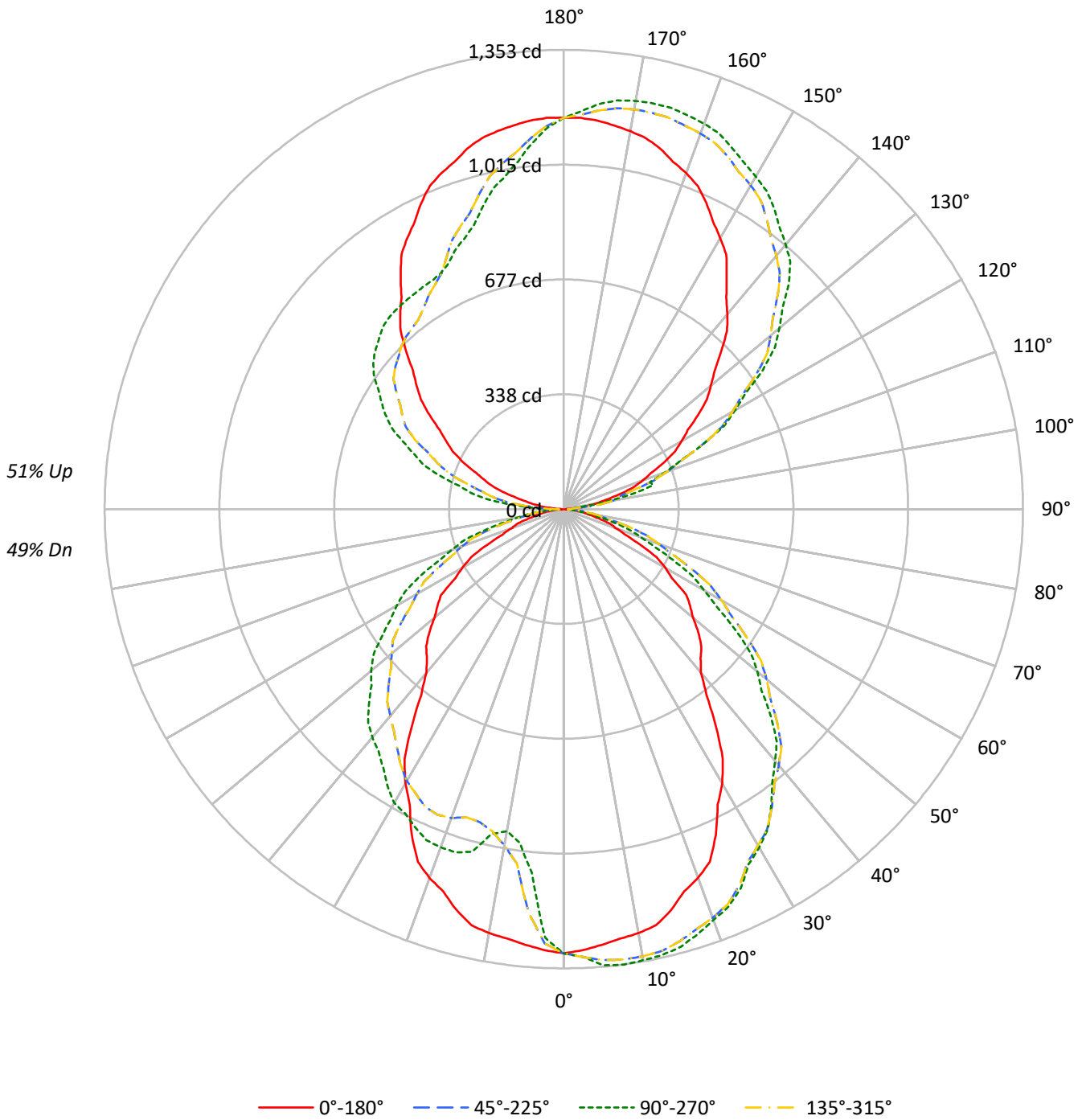
Lumens per Lamp: N/A  
Luminaire Lumens: 6620.0 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 50.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P1435795

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

### Luminous Intensity Polar Plot





TEST NUMBER: P1435795

CATALOG NUMBER: SQ2W-FA-K-075U-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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55	49
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	42
2	89	82	76	70	82	75	70	66	64	60	57	53	50	48	43	41	40	35
3	81	72	64	59	75	66	60	55	56	52	48	47	43	41	38	36	34	30
4	74	63	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25
5	68	57	48	42	63	52	45	40	45	39	35	38	33	30	31	28	25	22
6	63	51	43	37	58	47	40	35	40	35	30	34	30	26	28	25	22	19
7	58	46	38	32	53	43	35	30	36	31	27	31	26	23	26	22	20	17
8	54	41	34	28	49	39	32	27	33	28	24	28	24	21	23	20	18	15
9	50	38	30	25	46	35	29	24	30	25	21	26	22	19	22	18	16	14
10	47	35	27	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	21130	21130	21130	21130
5°	20881	21867	20881	17428
10°	20790	22120	20790	15799
15°	20433	22298	20433	17466
20°	19871	22137	19871	18214
25°	18885	21958	18885	18433
30°	17400	21466	17400	18628
35°	15396	20995	15396	18295
40°	13257	20419	13257	18495
45°	13088	19689	13088	18531
50°	12486	18728	12486	18602
55°	12422	17275	12422	18418
60°	11137	15396	11137	18345
65°	9494	13566	9494	17830
70°	7662	11495	7662	16522
75°	6644	9494	6644	15190
80°	5662	7076	5662	12264
85°	3761	3761	3761	7521

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 20306 cd/sqm



TEST NUMBER: P1435795

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.7	1.8
10°-20°	329.0	5.0
20°-30°	499.7	7.5
30°-40°	586.6	8.9
40°-50°	595.3	9.0
50°-60°	521.4	7.9
60°-70°	369.8	5.6
70°-80°	190.4	2.9
80°-90°	44.7	0.7
90°-100°	91.7	1.4
100°-110°	267.5	4.0
110°-120°	436.5	6.6
120°-130°	553.9	8.4
130°-140°	592.7	9.0
140°-150°	553.5	8.4
150°-160°	455.4	6.9
160°-170°	305.4	4.6
170°-180°	108.5	1.6
0°-30°	946.4	14.3
0°-40°	1533.0	23.2
0°-60°	2649.8	40.0
0°-90°	3254.7	49.2
90°-120°	795.8	12.0
90°-150°	2495.9	37.7
90°-180°	3365.0	50.8
0°-180°	6620.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1309	1309	1309	1309	1309	
5°	1288	1349	1288	1075	1288	122
15°	1222	1334	1222	1045	1222	343
25°	1060	1233	1060	1035	1060	484
35°	781	1065	781	928	781	487
45°	573	862	573	812	573	438
55°	441	614	441	654	441	382
65°	248	355	248	467	248	248
75°	106	152	106	244	106	115
85°	20	20	20	41	20	25
90°	4	26	4	50	4	3
95°	36	27	36	157	36	44
105°	170	272	170	375	170	181
115°	326	452	326	556	326	321
125°	482	716	482	682	482	431
135°	655	937	655	756	655	506
145°	837	1080	837	772	837	524
155°	994	1174	994	801	994	457
165°	1099	1224	1099	922	1099	309
175°	1149	1198	1149	1082	1149	109
180°	1153	1153	1153	1153	1153	



TEST NUMBER: P1435795

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

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1300.5	1309.6	1318.6	1320.8	1320.8	1320.8	1320.8	1320.8	1320.8	1320.8	1320.8
5°	1288.4	1304.1	1319.9	1327.3	1331.8	1335.1	1337.4	1340.2	1344.7	1349.2	1344.7
7.5°	1276.2	1297.4	1318.6	1328.9	1335.7	1341.1	1345.2	1348.8	1351.0	1353.3	1351.0
10°	1268.1	1292.9	1317.7	1328.9	1335.7	1340.2	1342.5	1344.7	1347.0	1349.2	1347.0
12.5°	1255.9	1282.5	1309.1	1322.2	1330.7	1336.2	1338.4	1340.7	1342.9	1345.2	1342.9
15°	1222.4	1258.5	1294.6	1308.7	1315.4	1321.1	1325.6	1329.5	1331.8	1334.0	1331.8
17.5°	1180.8	1224.6	1268.3	1286.0	1295.0	1301.6	1305.6	1309.1	1310.9	1312.7	1310.9
20°	1156.5	1203.8	1251.2	1269.8	1278.8	1284.4	1286.7	1288.4	1288.4	1288.4	1288.4
22.5°	1124.0	1176.8	1229.5	1249.5	1258.5	1263.2	1263.7	1264.5	1266.3	1268.1	1266.3
25°	1060.1	1121.0	1181.8	1207.2	1220.7	1226.4	1224.1	1223.6	1228.1	1232.6	1228.1
27.5°	982.0	1058.6	1135.3	1161.2	1170.2	1175.9	1178.1	1179.8	1179.8	1179.8	1179.8
30°	933.3	1019.0	1104.6	1132.8	1141.8	1147.5	1149.7	1151.4	1151.4	1151.4	1151.4
32.5°	872.4	974.3	1076.2	1107.1	1114.3	1118.2	1118.6	1118.9	1118.9	1118.9	1118.9
35°	781.1	905.1	1029.1	1063.5	1068.0	1070.3	1070.3	1069.7	1067.4	1065.2	1067.4
37.5°	689.8	830.5	971.2	1011.4	1018.2	1020.0	1016.8	1013.9	1011.6	1009.4	1011.6
40°	629.0	782.3	935.6	979.0	985.7	985.7	979.0	973.3	971.1	968.8	971.1
42.5°	596.5	748.0	899.5	942.4	949.2	948.3	939.7	932.7	930.5	928.2	930.5
45°	573.2	708.4	843.7	882.6	889.3	888.2	879.2	871.3	866.8	862.3	866.8
47.5°	537.7	656.7	775.7	813.9	825.2	824.1	810.6	799.3	794.8	790.3	794.8
50°	497.1	614.3	731.5	769.3	780.6	779.4	765.9	754.6	750.1	745.6	750.1
52.5°	468.7	578.7	688.7	723.3	732.8	729.8	714.5	701.9	697.4	692.9	697.4
55°	441.3	533.7	626.1	654.3	661.1	656.6	640.8	627.3	620.5	613.7	620.5
57.5°	377.4	465.3	553.2	580.6	587.8	582.4	564.4	548.9	541.3	533.6	541.3
60°	344.9	423.8	502.7	529.2	538.2	533.7	515.7	499.3	488.1	476.8	488.1
62.5°	308.4	378.3	448.2	475.1	487.7	485.0	467.0	450.6	439.4	428.1	439.4
65°	248.5	309.4	370.3	397.3	413.1	412.0	393.9	377.6	366.3	355.1	366.3
67.5°	194.8	247.1	299.4	326.0	344.0	343.1	323.3	306.1	297.1	288.1	297.1
70°	162.3	207.4	252.5	277.3	295.3	295.3	277.3	261.5	252.5	243.5	252.5
72.5°	142.0	176.3	210.6	234.0	253.8	253.8	234.0	217.3	210.1	202.9	210.1
75°	106.5	126.8	147.1	169.1	191.6	193.9	175.8	161.2	156.7	152.2	156.7
77.5°	77.1	86.6	96.0	113.3	133.1	135.4	120.0	108.1	106.3	104.5	106.3
80°	60.9	63.1	65.4	79.5	97.5	99.8	86.2	76.1	76.1	76.1	76.1
82.5°	40.6	42.8	45.1	55.1	67.7	69.1	59.2	51.3	49.5	47.7	49.5
85°	20.3	20.3	20.3	23.7	28.2	28.2	23.7	20.3	20.3	20.3	20.3
87.5°	4.8	5.7	6.9	9.1	11.6	11.9	10.1	8.9	9.2	9.2	9.2
90°	3.5	8.1	14.0	18.6	22.1	23.3	23.3	24.4	25.6	25.6	25.6
92.5°	12.8	20.3	20.5	20.5	24.9	27.0	28.9	29.1	30.3	30.3	30.3
95°	36.1	39.6	59.4	58.2	39.6	31.4	26.8	26.8	26.8	26.8	26.8
97.5°	68.9	74.0	77.3	103.6	109.4	105.7	86.2	72.4	64.7	61.2	64.7
100°	97.8	100.1	107.1	108.3	137.4	165.3	151.3	133.9	128.1	124.6	128.1
102.5°	126.7	128.1	138.8	143.7	150.4	166.2	214.7	209.3	205.4	204.7	205.4
105°	170.0	171.1	190.9	200.2	204.9	204.9	203.7	227.0	264.3	272.4	264.3
107.5°	216.3	221.7	244.9	269.9	275.2	276.6	270.6	267.1	265.7	266.6	265.7
110°	248.0	256.1	284.1	315.5	323.6	326.0	323.6	320.2	317.8	317.8	317.8



TEST NUMBER: P1435795

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

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	278.7	290.6	322.3	358.3	372.1	379.1	373.9	371.4	369.1	370.9	369.1
115°	326.0	343.4	385.4	422.6	450.5	454.0	452.9	452.9	451.7	451.7	451.7
117.5°	369.7	397.7	444.7	488.0	520.4	529.7	534.4	533.0	531.6	533.9	531.6
120°	400.5	433.1	486.6	535.5	567.0	580.9	585.6	583.3	585.6	583.3	585.6
122.5°	433.1	473.1	525.8	576.5	613.5	629.4	635.0	635.4	635.9	634.5	635.9
125°	482.0	530.9	592.6	645.0	683.4	702.0	706.7	707.8	710.2	716.0	710.2
127.5°	531.3	586.8	654.5	705.0	744.4	767.0	774.2	776.8	781.6	784.2	781.6
130°	565.8	628.7	697.4	745.1	783.5	808.0	820.8	824.3	830.1	828.9	830.1
132.5°	602.1	667.8	737.4	787.0	822.6	848.9	859.9	869.9	872.0	873.6	872.0
135°	655.4	726.5	796.3	845.2	879.0	904.6	918.6	927.9	933.7	937.2	933.7
137.5°	711.6	786.5	853.6	897.1	931.1	953.2	969.1	978.9	984.9	987.7	984.9
140°	749.7	821.9	887.1	932.5	962.8	984.9	998.9	1010.5	1017.5	1017.5	1017.5
142.5°	786.1	857.3	920.6	966.1	992.6	1012.9	1027.8	1036.6	1044.5	1044.5	1044.5
145°	837.1	908.1	966.3	1011.7	1033.8	1052.4	1068.7	1075.7	1080.4	1080.4	1080.4
147.5°	890.4	953.2	1006.3	1049.9	1068.5	1090.4	1103.2	1108.8	1114.6	1112.0	1114.6
150°	922.0	980.3	1031.5	1072.2	1090.9	1111.8	1124.6	1129.3	1135.1	1131.6	1135.1
152.5°	952.8	1008.2	1054.8	1092.7	1108.6	1129.5	1144.2	1148.8	1152.8	1150.2	1152.8
155°	994.2	1043.1	1086.2	1121.1	1135.1	1154.9	1168.9	1174.7	1179.3	1173.5	1179.3
157.5°	1031.2	1073.4	1110.9	1143.0	1157.9	1174.9	1187.9	1195.2	1199.8	1197.3	1199.8
160°	1053.6	1092.0	1125.8	1156.1	1170.0	1185.2	1199.1	1207.3	1211.9	1208.4	1211.9
162.5°	1072.2	1106.9	1138.8	1166.3	1178.4	1191.7	1208.4	1215.7	1220.3	1215.9	1220.3
165°	1099.0	1126.9	1154.9	1178.2	1188.6	1199.1	1216.6	1224.7	1228.2	1223.6	1228.2
167.5°	1119.3	1140.7	1163.3	1183.3	1191.0	1201.2	1218.7	1225.4	1229.9	1224.0	1229.9
170°	1130.4	1149.1	1168.9	1185.2	1191.0	1200.3	1217.8	1223.6	1227.1	1221.2	1227.1
172.5°	1139.8	1153.7	1169.8	1184.2	1187.3	1194.7	1211.2	1217.1	1219.6	1214.7	1219.6
175°	1149.1	1157.2	1168.9	1178.2	1177.0	1181.7	1195.6	1200.3	1204.9	1198.0	1204.9
177.5°	1153.5	1157.2	1160.9	1166.5	1162.8	1162.8	1173.0	1175.8	1176.8	1173.0	1176.8
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1435795

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1320.8	1320.8	1320.8	1320.8	1320.8	1318.6	1309.6	1300.5	1300.5	1300.5	1293.8
5°	1340.2	1337.4	1335.1	1331.8	1327.3	1319.9	1304.1	1288.4	1281.6	1274.8	1246.1
7.5°	1348.8	1345.2	1341.1	1335.7	1328.9	1318.6	1297.4	1276.2	1246.0	1215.8	1151.7
10°	1344.7	1342.5	1340.2	1335.7	1328.9	1317.7	1292.9	1268.1	1207.2	1146.3	1085.5
12.5°	1340.7	1338.4	1336.2	1330.7	1322.2	1309.1	1282.5	1255.9	1169.8	1083.7	1028.7
15°	1329.5	1325.6	1321.1	1315.4	1308.7	1294.6	1258.5	1222.4	1125.5	1028.5	982.3
17.5°	1309.1	1305.6	1301.6	1295.0	1286.0	1268.3	1224.6	1180.8	1079.4	977.9	948.2
20°	1288.4	1286.7	1284.4	1278.8	1269.8	1251.2	1203.8	1156.5	1055.0	953.6	940.1
22.5°	1264.5	1263.7	1263.2	1258.5	1249.5	1229.5	1176.8	1124.0	1024.4	924.7	925.2
25°	1223.6	1224.1	1226.4	1220.7	1207.2	1181.8	1121.0	1060.1	972.2	884.3	899.5
27.5°	1179.8	1178.1	1175.9	1170.2	1161.2	1135.3	1058.6	982.0	912.6	843.1	868.4
30°	1151.4	1149.7	1147.5	1141.8	1132.8	1104.6	1019.0	933.3	874.7	816.1	845.4
32.5°	1118.9	1118.6	1118.2	1114.3	1107.1	1076.2	974.3	872.4	830.1	787.7	818.3
35°	1069.7	1070.3	1070.3	1068.0	1063.5	1029.1	905.1	781.1	763.1	745.1	781.1
37.5°	1013.9	1016.8	1020.0	1018.2	1011.4	971.2	830.5	689.8	695.7	701.6	745.3
40°	973.3	979.0	985.7	985.7	979.0	935.6	782.3	629.0	649.3	669.5	716.9
42.5°	932.7	939.7	948.3	949.2	942.4	899.5	748.0	596.5	618.6	640.7	689.8
45°	871.3	879.2	888.2	889.3	882.6	843.7	708.4	573.2	586.7	600.2	647.6
47.5°	799.3	810.6	824.1	825.2	813.9	775.7	656.7	537.7	547.6	557.5	606.0
50°	754.6	765.9	779.4	780.6	769.3	731.5	614.3	497.1	510.6	524.1	574.9
52.5°	701.9	714.5	729.8	732.8	723.3	688.7	578.7	468.7	476.8	484.9	539.7
55°	627.3	640.8	656.6	661.1	654.3	626.1	533.7	441.3	434.5	427.8	483.6
57.5°	548.9	564.4	582.4	587.8	580.6	553.2	465.3	377.4	371.5	365.7	426.1
60°	499.3	515.7	533.7	538.2	529.2	502.7	423.8	344.9	333.6	322.4	385.5
62.5°	450.6	467.0	485.0	487.7	475.1	448.2	378.3	308.4	300.7	293.1	354.4
65°	377.6	393.9	412.0	413.1	397.3	370.3	309.4	248.5	253.1	257.6	312.8
67.5°	306.1	323.3	343.1	344.0	326.0	299.4	247.1	194.8	209.7	224.5	274.2
70°	261.5	277.3	295.3	295.3	277.3	252.5	207.4	162.3	182.6	202.9	248.5
72.5°	217.3	234.0	253.8	253.8	234.0	210.6	176.3	142.0	162.3	182.6	220.1
75°	161.2	175.8	193.9	191.6	169.1	147.1	126.8	106.5	126.8	147.1	175.8
77.5°	108.1	120.0	135.4	133.1	113.3	96.0	86.6	77.1	93.8	110.5	130.5
80°	76.1	86.2	99.8	97.5	79.5	65.4	63.1	60.9	72.1	83.4	98.1
82.5°	51.3	59.2	69.1	67.7	55.1	45.1	42.8	40.6	50.0	59.5	69.7
85°	20.3	23.7	28.2	28.2	23.7	20.3	20.3	20.3	24.8	29.3	33.8
87.5°	8.9	10.1	11.9	11.6	9.1	6.9	5.7	4.8	7.5	10.2	12.3
90°	24.4	23.3	23.3	22.1	18.6	14.0	8.1	3.5	8.1	12.8	21.0
92.5°	29.1	28.9	27.0	24.9	20.5	20.5	20.3	12.8	22.1	31.4	45.2
95°	26.8	26.8	31.4	39.6	58.2	59.4	39.6	36.1	51.2	72.2	90.8
97.5°	72.4	86.2	105.7	109.4	103.6	77.3	74.0	68.9	93.8	114.6	144.6
100°	133.9	151.3	165.3	137.4	108.3	107.1	100.1	97.8	124.6	144.4	173.5
102.5°	209.3	214.7	166.2	150.4	143.7	138.8	128.1	126.7	153.4	180.7	205.1
105°	227.0	203.7	204.9	204.9	200.2	190.9	171.1	170.0	200.2	231.7	261.9
107.5°	267.1	270.6	276.6	275.2	269.9	244.9	221.7	216.3	243.6	281.3	314.6
110°	320.2	323.6	326.0	323.6	315.5	284.1	256.1	248.0	272.4	312.0	348.1



TEST NUMBER: P1435795

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	371.4	373.9	379.1	372.1	358.3	322.3	290.6	278.7	303.2	343.7	380.7
115°	452.9	452.9	454.0	450.5	422.6	385.4	343.4	326.0	346.9	384.2	424.9
117.5°	533.0	534.4	529.7	520.4	488.0	444.7	397.7	369.7	386.3	425.6	467.5
120°	583.3	585.6	580.9	567.0	535.5	486.6	433.1	400.5	413.3	451.7	493.6
122.5°	635.4	635.0	629.4	613.5	576.5	525.8	473.1	433.1	438.4	474.1	515.0
125°	707.8	706.7	702.0	683.4	645.0	592.6	530.9	482.0	475.0	505.3	547.2
127.5°	776.8	774.2	767.0	744.4	705.0	654.5	586.8	531.3	515.7	534.8	573.3
130°	824.3	820.8	808.0	783.5	745.1	697.4	628.7	565.8	543.7	555.3	589.1
132.5°	869.9	859.9	848.9	822.6	787.0	737.4	667.8	602.1	571.6	576.7	603.1
135°	927.9	918.6	904.6	879.0	845.2	796.3	726.5	655.4	613.5	608.9	624.0
137.5°	978.9	969.1	953.2	931.1	897.1	853.6	786.5	711.6	658.7	643.1	648.9
140°	1010.5	998.9	984.9	962.8	932.5	887.1	821.9	749.7	690.4	668.3	664.8
142.5°	1036.6	1027.8	1012.9	992.6	966.1	920.6	857.3	786.1	723.0	694.3	686.2
145°	1075.7	1068.7	1052.4	1033.8	1011.7	966.3	908.1	837.1	774.2	736.9	719.5
147.5°	1108.8	1103.2	1090.4	1068.5	1049.9	1006.3	953.2	890.4	825.9	779.8	757.2
150°	1129.3	1124.6	1111.8	1090.9	1072.2	1031.5	980.3	922.0	860.3	811.4	782.3
152.5°	1148.8	1144.2	1129.5	1108.6	1092.7	1054.8	1008.2	952.8	890.1	841.3	811.2
155°	1174.7	1168.9	1154.9	1135.1	1121.1	1086.2	1043.1	994.2	940.7	889.4	855.7
157.5°	1195.2	1187.9	1174.9	1157.9	1143.0	1110.9	1073.4	1031.2	984.4	935.6	901.1
160°	1207.3	1199.1	1185.2	1170.0	1156.1	1125.8	1092.0	1053.6	1010.5	966.3	929.0
162.5°	1215.7	1208.4	1191.7	1178.4	1166.3	1138.8	1106.9	1072.2	1033.8	995.2	960.7
165°	1224.7	1216.6	1199.1	1188.6	1178.2	1154.9	1126.9	1099.0	1066.4	1035.0	1007.0
167.5°	1225.4	1218.7	1201.2	1191.0	1183.3	1163.3	1140.7	1119.3	1093.9	1069.2	1045.9
170°	1223.6	1217.8	1200.3	1191.0	1185.2	1168.9	1149.1	1130.4	1110.6	1089.7	1071.1
172.5°	1217.1	1211.2	1194.7	1187.3	1184.2	1169.8	1153.7	1139.8	1122.8	1107.4	1092.5
175°	1200.3	1195.6	1181.7	1177.0	1178.2	1168.9	1157.2	1149.1	1138.6	1129.3	1121.1
177.5°	1175.8	1173.0	1162.8	1162.8	1166.5	1160.9	1157.2	1153.5	1148.8	1146.0	1143.2
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1435795

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1284.8	1277.5	1272.1	1267.6	1265.8	1264.0	1265.8	1267.6	1272.1	1277.5	1284.8
5°	1210.0	1171.7	1131.1	1097.9	1086.6	1075.3	1086.6	1097.9	1131.1	1171.7	1210.0
7.5°	1076.5	1030.2	1013.1	999.4	995.7	992.1	995.7	999.4	1013.1	1030.2	1076.5
10°	1024.6	987.4	973.9	963.7	963.7	963.7	963.7	963.7	973.9	987.4	1024.6
12.5°	984.0	961.3	960.4	961.9	971.0	980.0	971.0	961.9	960.4	961.3	984.0
15°	953.0	956.4	992.5	1022.3	1033.6	1044.9	1033.6	1022.3	992.5	956.4	953.0
17.5°	942.3	961.7	1006.3	1042.1	1051.1	1060.1	1051.1	1042.1	1006.3	961.7	942.3
20°	955.8	980.6	1014.5	1042.1	1051.1	1060.1	1051.1	1042.1	1014.5	980.6	955.8
22.5°	959.0	989.2	1015.8	1038.0	1047.0	1056.1	1047.0	1038.0	1015.8	989.2	959.0
25°	949.1	985.2	1007.7	1025.7	1030.2	1034.7	1030.2	1025.7	1007.7	985.2	949.1
27.5°	925.2	964.9	987.4	1005.1	1008.3	1011.4	1008.3	1005.1	987.4	964.9	925.2
30°	904.0	944.6	967.1	985.7	992.5	999.2	992.5	985.7	967.1	944.6	904.0
32.5°	873.3	914.8	942.8	964.1	965.4	966.8	965.4	964.1	942.8	914.8	873.3
35°	835.2	878.1	909.6	932.7	930.5	928.2	930.5	932.7	909.6	878.1	835.2
37.5°	801.6	843.6	871.1	892.4	895.1	897.8	895.1	892.4	871.1	843.6	801.6
40°	773.2	816.1	845.4	868.5	873.0	877.5	873.0	868.5	845.4	816.1	773.2
42.5°	748.0	791.7	821.0	844.1	848.7	853.2	848.7	844.1	821.0	791.7	748.0
45°	706.2	751.3	782.8	807.1	809.3	811.6	809.3	807.1	782.8	751.3	706.2
47.5°	667.3	712.6	741.9	764.5	766.7	769.0	766.7	764.5	741.9	712.6	667.3
50°	638.0	684.2	713.5	736.0	738.3	740.6	738.3	736.0	713.5	684.2	638.0
52.5°	610.0	658.0	683.7	703.6	705.8	708.1	705.8	703.6	683.7	658.0	610.0
55°	560.2	610.9	635.7	654.3	654.3	654.3	654.3	654.3	635.7	610.9	560.2
57.5°	508.6	560.7	582.3	599.2	601.9	604.6	601.9	599.2	582.3	560.7	508.6
60°	473.4	526.4	544.4	559.1	563.6	568.1	563.6	559.1	544.4	526.4	473.4
62.5°	438.7	489.9	507.9	522.1	524.8	527.5	524.8	522.1	507.9	489.9	438.7
65°	384.9	430.0	448.1	462.1	464.4	466.7	464.4	462.1	448.1	430.0	384.9
67.5°	335.6	372.5	385.2	395.1	396.9	398.7	396.9	395.1	385.2	372.5	335.6
70°	302.6	334.2	343.2	350.0	350.0	350.0	350.0	350.0	343.2	334.2	302.6
72.5°	263.4	289.6	298.6	305.8	307.6	309.4	307.6	305.8	298.6	289.6	263.4
75°	207.4	226.6	233.3	239.0	241.2	243.5	241.2	239.0	233.3	226.6	207.4
77.5°	151.7	164.3	168.4	172.0	174.3	176.5	174.3	172.0	168.4	164.3	151.7
80°	113.8	122.9	125.1	127.4	129.6	131.9	129.6	127.4	125.1	122.9	113.8
82.5°	80.0	86.3	88.6	90.4	90.9	91.3	90.9	90.4	88.6	86.3	80.0
85°	38.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	38.3
87.5°	13.5	15.1	16.7	17.7	18.6	18.1	18.6	17.7	16.7	15.1	13.5
90°	26.8	34.9	43.1	47.7	52.4	50.1	52.4	47.7	43.1	34.9	26.8
92.5°	53.8	67.5	77.5	85.9	89.6	89.2	89.6	85.9	77.5	67.5	53.8
95°	108.3	124.6	140.9	152.5	159.5	157.2	159.5	152.5	140.9	124.6	108.3
97.5°	166.9	188.8	207.0	217.9	224.9	229.6	224.9	217.9	207.0	188.8	166.9
100°	206.1	227.0	248.0	260.8	272.4	277.1	272.4	260.8	248.0	227.0	206.1
102.5°	237.7	265.2	288.0	301.8	311.5	316.2	311.5	301.8	288.0	265.2	237.7
105°	289.9	319.0	343.4	360.9	371.4	374.9	371.4	360.9	343.4	319.0	289.9
107.5°	342.0	372.1	394.7	414.0	426.8	434.2	426.8	414.0	394.7	372.1	342.0
110°	383.0	407.5	431.9	449.4	462.2	466.8	462.2	449.4	431.9	407.5	383.0



TEST NUMBER: P1435795

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	417.5	444.7	469.2	486.6	501.3	507.8	501.3	486.6	469.2	444.7	417.5
115°	465.7	501.8	523.9	540.2	550.7	556.5	550.7	540.2	523.9	501.8	465.7
117.5°	505.7	543.4	567.7	580.2	585.1	589.3	585.1	580.2	567.7	543.4	505.7
120°	530.9	565.8	593.7	610.0	615.9	618.2	615.9	610.0	593.7	565.8	530.9
122.5°	554.2	587.2	614.2	634.3	643.8	646.1	643.8	634.3	614.2	587.2	554.2
125°	586.8	618.2	646.1	665.9	676.4	682.2	676.4	665.9	646.1	618.2	586.8
127.5°	615.2	649.2	674.8	692.7	702.9	707.6	702.9	692.7	674.8	649.2	615.2
130°	631.0	665.9	691.5	711.3	720.6	725.3	720.6	711.3	691.5	665.9	631.0
132.5°	643.1	679.9	706.4	724.4	734.6	739.3	734.6	724.4	706.4	679.9	643.1
135°	657.8	696.2	724.1	741.6	750.9	755.6	750.9	741.6	724.1	696.2	657.8
137.5°	670.6	705.5	734.6	753.0	761.4	764.4	761.4	753.0	734.6	705.5	670.6
140°	679.9	710.2	739.3	756.7	766.0	767.2	766.0	756.7	739.3	710.2	679.9
142.5°	692.0	715.7	741.1	758.6	767.9	770.0	767.9	758.6	741.1	715.7	692.0
145°	713.7	727.6	745.1	761.4	769.5	771.9	769.5	761.4	745.1	727.6	713.7
147.5°	740.9	745.3	754.4	765.1	773.0	774.7	773.0	765.1	754.4	745.3	740.9
150°	761.4	760.2	763.7	770.7	777.7	776.5	777.7	770.7	763.7	760.2	761.4
152.5°	784.7	777.9	777.7	780.9	784.2	784.0	784.2	780.9	777.7	777.9	784.7
155°	824.3	811.4	804.5	802.1	802.1	801.0	802.1	802.1	804.5	811.4	824.3
157.5°	867.8	849.9	839.4	833.8	832.2	829.6	832.2	833.8	839.4	849.9	867.8
160°	897.6	877.8	867.3	858.0	854.5	851.0	854.5	858.0	867.3	877.8	897.6
162.5°	925.5	906.7	895.3	886.9	883.4	878.0	883.4	886.9	895.3	906.7	925.5
165°	970.9	951.2	938.3	931.4	926.7	922.0	926.7	931.4	938.3	951.2	970.9
167.5°	1016.3	994.7	986.3	978.4	974.0	965.6	974.0	978.4	986.3	994.7	1016.3
170°	1044.3	1024.5	1019.8	1012.9	1004.7	995.4	1004.7	1012.9	1019.8	1024.5	1044.3
172.5°	1068.5	1055.2	1050.6	1043.6	1041.0	1033.6	1041.0	1043.6	1050.6	1055.2	1068.5
175°	1103.7	1093.2	1093.2	1092.0	1088.5	1081.5	1088.5	1092.0	1093.2	1093.2	1103.7
177.5°	1133.0	1127.4	1131.1	1131.1	1130.2	1123.7	1130.2	1131.1	1131.1	1127.4	1133.0
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1435795

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1308.7	1308.7	1308.7	1308.7
2.5°	1293.8	1300.5	1300.5	1300.5
5°	1246.1	1274.8	1281.6	1288.4
7.5°	1151.7	1215.8	1246.0	1276.2
10°	1085.5	1146.3	1207.2	1268.1
12.5°	1028.7	1083.7	1169.8	1255.9
15°	982.3	1028.5	1125.5	1222.4
17.5°	948.2	977.9	1079.4	1180.8
20°	940.1	953.6	1055.0	1156.5
22.5°	925.2	924.7	1024.4	1124.0
25°	899.5	884.3	972.2	1060.1
27.5°	868.4	843.1	912.6	982.0
30°	845.4	816.1	874.7	933.3
32.5°	818.3	787.7	830.1	872.4
35°	781.1	745.1	763.1	781.1
37.5°	745.3	701.6	695.7	689.8
40°	716.9	669.5	649.3	629.0
42.5°	689.8	640.7	618.6	596.5
45°	647.6	600.2	586.7	573.2
47.5°	606.0	557.5	547.6	537.7
50°	574.9	524.1	510.6	497.1
52.5°	539.7	484.9	476.8	468.7
55°	483.6	427.8	434.5	441.3
57.5°	426.1	365.7	371.5	377.4
60°	385.5	322.4	333.6	344.9
62.5°	354.4	293.1	300.7	308.4
65°	312.8	257.6	253.1	248.5
67.5°	274.2	224.5	209.7	194.8
70°	248.5	202.9	182.6	162.3
72.5°	220.1	182.6	162.3	142.0
75°	175.8	147.1	126.8	106.5
77.5°	130.5	110.5	93.8	77.1
80°	98.1	83.4	72.1	60.9
82.5°	69.7	59.5	50.0	40.6
85°	33.8	29.3	24.8	20.3
87.5°	12.3	10.2	7.5	4.8
90°	21.0	12.8	8.1	3.5
92.5°	45.2	31.4	22.1	12.8
95°	90.8	72.2	51.2	36.1
97.5°	144.6	114.6	93.8	68.9
100°	173.5	144.4	124.6	97.8
102.5°	205.1	180.7	153.4	126.7
105°	261.9	231.7	200.2	170.0
107.5°	314.6	281.3	243.6	216.3
110°	348.1	312.0	272.4	248.0

TEST NUMBER: P1435795

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	380.7	343.7	303.2	278.7
115°	424.9	384.2	346.9	326.0
117.5°	467.5	425.6	386.3	369.7
120°	493.6	451.7	413.3	400.5
122.5°	515.0	474.1	438.4	433.1
125°	547.2	505.3	475.0	482.0
127.5°	573.3	534.8	515.7	531.3
130°	589.1	555.3	543.7	565.8
132.5°	603.1	576.7	571.6	602.1
135°	624.0	608.9	613.5	655.4
137.5°	648.9	643.1	658.7	711.6
140°	664.8	668.3	690.4	749.7
142.5°	686.2	694.3	723.0	786.1
145°	719.5	736.9	774.2	837.1
147.5°	757.2	779.8	825.9	890.4
150°	782.3	811.4	860.3	922.0
152.5°	811.2	841.3	890.1	952.8
155°	855.7	889.4	940.7	994.2
157.5°	901.1	935.6	984.4	1031.2
160°	929.0	966.3	1010.5	1053.6
162.5°	960.7	995.2	1033.8	1072.2
165°	1007.0	1035.0	1066.4	1099.0
167.5°	1045.9	1069.2	1093.9	1119.3
170°	1071.1	1089.7	1110.6	1130.4
172.5°	1092.5	1107.4	1122.8	1139.8
175°	1121.1	1129.3	1138.6	1149.1
177.5°	1143.2	1146.0	1148.8	1153.5
180°	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1435795  
 CATALOG NUMBER: SQ2W-FA-K-075U-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	16.90	17.75	17.86	18.73	20.01	18.10	18.95	19.06	19.93	21.21
	3H	17.99	18.75	18.96	19.74	21.04	19.34	20.10	20.32	21.09	22.40
	4H	18.34	19.06	19.33	20.05	21.37	19.73	20.45	20.72	21.44	22.76
	6H	18.50	19.16	19.50	20.16	21.49	19.89	20.55	20.89	21.55	22.88
	8H	18.53	19.17	19.54	20.18	21.50	19.91	20.55	20.92	21.56	22.88
	12H	18.53	19.13	19.54	20.14	21.49	19.90	20.50	20.91	21.51	22.86
4H	2H	17.76	18.49	18.76	19.48	20.79	18.68	19.40	19.67	20.39	21.71
	3H	19.15	19.75	20.16	20.78	22.10	20.14	20.74	21.15	21.77	23.09
	4H	19.61	20.16	20.62	21.17	22.52	20.62	21.17	21.63	22.18	23.53
	6H	19.84	20.31	20.86	21.35	22.69	20.84	21.31	21.86	22.35	23.70
	8H	19.89	20.34	20.92	21.37	22.73	20.89	21.33	21.91	22.36	23.72
	12H	19.89	20.29	20.94	21.34	22.71	20.88	21.27	21.92	22.32	23.69
8H	4H	19.99	20.43	21.01	21.46	22.82	20.81	21.25	21.84	22.28	23.65
	6H	20.34	20.71	21.39	21.78	23.14	21.13	21.49	22.18	22.56	23.92
	8H	20.46	20.78	21.51	21.84	23.21	21.22	21.54	22.28	22.60	23.98
	12H	20.49	20.78	21.56	21.83	23.25	21.24	21.52	22.30	22.57	23.99
12H	4H	19.99	20.39	21.04	21.44	22.80	20.78	21.18	21.82	22.22	23.59
	6H	20.41	20.73	21.47	21.79	23.17	21.14	21.47	22.20	22.52	23.90
	8H	20.56	20.84	21.62	21.89	23.31	21.26	21.54	22.32	22.59	24.01