

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: P1435746

Luminaire Tested: SQ2W-FA-K-025U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1435746  
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-025U-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 250 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

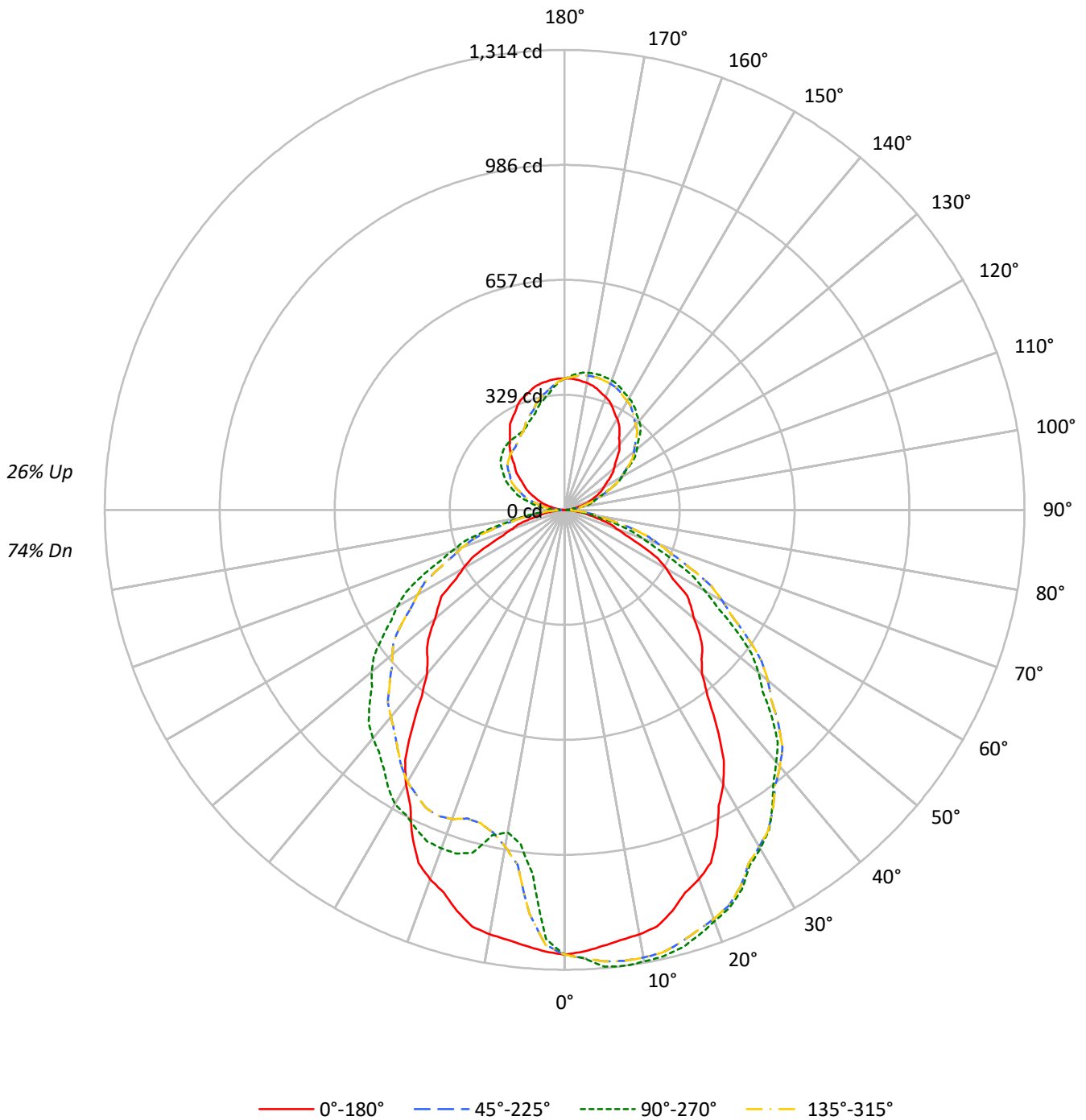
Lumens per Lamp: N/A  
Luminaire Lumens: 4252.9 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 34.2  
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-025U-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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74
1	103	99	95	91	98	94	91	88	85	83	80	77	75	73	70	68	67	63
2	94	87	80	75	89	83	77	72	75	70	67	68	64	61	61	59	56	53
3	86	76	69	63	81	73	66	60	66	61	56	60	56	52	54	51	48	45
4	79	68	59	53	75	65	57	51	59	53	48	54	49	45	49	45	41	38
5	72	60	52	46	69	58	50	44	53	46	41	48	43	39	44	39	36	33
6	67	54	46	40	63	52	44	39	48	41	36	44	38	34	40	35	32	29
7	62	49	41	35	59	47	39	34	43	37	32	40	34	30	36	32	28	26
8	58	45	37	31	55	43	35	30	40	33	29	36	31	27	33	29	25	23
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	31	26	23	21
10	50	38	30	25	48	36	29	24	34	27	23	31	26	22	29	24	21	19

**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	2.7
10°-20°	319.5	7.5
20°-30°	485.2	11.4
30°-40°	569.6	13.4
40°-50°	578.1	13.6
50°-60°	506.3	11.9
60°-70°	359.1	8.4
70°-80°	184.9	4.3
80°-90°	40.3	0.9
90°-100°	29.9	0.7
100°-110°	87.1	2.0
110°-120°	142.1	3.3
120°-130°	180.3	4.2
130°-140°	192.9	4.5
140°-150°	180.2	4.2
150°-160°	148.3	3.5
160°-170°	99.4	2.3
170°-180°	35.3	0.8
0°-30°	919.0	21.6
0°-40°	1488.7	35.0
0°-60°	2573.0	60.5
0°-90°	3157.4	74.2
90°-120°	259.0	6.1
90°-150°	812.5	19.1
90°-180°	1095.0	25.7
0°-180°	4252.9	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°	1	8	1	16	1	1
95°	12	9	12	51	12	14
105°	55	89	55	122	55	59
115°	106	147	106	181	106	105
125°	157	233	157	222	157	140
135°	213	305	213	246	213	165
145°	272	352	272	251	272	170
155°	324	382	324	261	324	149
165°	358	398	358	300	358	101
175°	374	390	374	352	374	35
180°	375	375	375	375	375	



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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°	4.2	4.5	4.8	6.5	8.4	8.5	6.8	5.5	5.6	5.6	5.6
90°	1.1	2.7	4.5	6.1	7.2	7.6	7.6	8.0	8.3	8.3	8.3
92.5°	4.2	6.6	6.7	6.7	8.1	8.8	9.4	9.5	9.9	9.9	9.9
95°	11.7	12.9	19.3	18.9	12.9	10.2	8.7	8.7	8.7	8.7	8.7
97.5°	22.4	24.1	25.2	33.7	35.6	34.4	28.0	23.6	21.1	19.9	21.1
100°	31.8	32.6	34.9	35.2	44.7	53.8	49.3	43.6	41.7	40.5	41.7
102.5°	41.2	41.7	45.2	46.8	49.0	54.1	69.9	68.1	66.9	66.6	66.9
105°	55.3	55.7	62.2	65.2	66.7	66.7	66.3	73.9	86.0	88.7	86.0
107.5°	70.4	72.2	79.7	87.8	89.6	90.0	88.1	86.9	86.5	86.8	86.5
110°	80.7	83.4	92.5	102.7	105.4	106.1	105.4	104.2	103.5	103.5	103.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	90.7	94.6	104.9	116.6	121.1	123.4	121.7	120.9	120.1	120.7	120.1
115°	106.1	111.8	125.4	137.6	146.7	147.8	147.4	147.4	147.0	147.0	147.0
117.5°	120.4	129.5	144.8	158.9	169.4	172.4	173.9	173.5	173.0	173.8	173.0
120°	130.4	141.0	158.4	174.3	184.6	189.1	190.6	189.9	190.6	189.9	190.6
122.5°	141.0	154.0	171.1	187.7	199.7	204.9	206.7	206.8	207.0	206.5	207.0
125°	156.9	172.8	192.9	209.9	222.5	228.5	230.0	230.4	231.2	233.1	231.2
127.5°	173.0	191.0	213.1	229.5	242.3	249.7	252.0	252.8	254.4	255.3	254.4
130°	184.2	204.6	227.0	242.5	255.0	263.0	267.2	268.3	270.2	269.8	270.2
132.5°	196.0	217.4	240.0	256.2	267.8	276.3	279.9	283.2	283.8	284.4	283.8
135°	213.4	236.5	259.2	275.1	286.1	294.5	299.0	302.0	303.9	305.1	303.9
137.5°	231.6	256.0	277.9	292.0	303.1	310.3	315.5	318.6	320.6	321.5	320.6
140°	244.1	267.6	288.8	303.6	313.4	320.6	325.2	328.9	331.2	331.2	331.2
142.5°	255.9	279.1	299.7	314.5	323.1	329.7	334.6	337.4	340.0	340.0	340.0
145°	272.5	295.6	314.5	329.3	336.5	342.6	347.9	350.2	351.7	351.7	351.7
147.5°	289.8	310.3	327.6	341.8	347.8	354.9	359.1	360.9	362.8	362.0	362.8
150°	300.1	319.1	335.8	349.0	355.1	361.9	366.1	367.6	369.5	368.4	369.5
152.5°	310.1	328.2	343.3	355.7	360.9	367.7	372.5	374.0	375.3	374.4	375.3
155°	323.6	339.6	353.6	364.9	369.5	375.9	380.5	382.4	383.9	382.0	383.9
157.5°	335.7	349.4	361.6	372.1	376.9	382.5	386.7	389.1	390.6	389.7	390.6
160°	343.0	355.5	366.5	376.3	380.9	385.8	390.3	393.0	394.5	393.4	394.5
162.5°	349.0	360.3	370.7	379.7	383.6	387.9	393.4	395.7	397.2	395.8	397.2
165°	357.7	366.8	375.9	383.5	386.9	390.3	396.0	398.7	399.8	398.3	399.8
167.5°	364.3	371.3	378.7	385.2	387.7	391.0	396.7	398.9	400.3	398.4	400.3
170°	368.0	374.0	380.5	385.8	387.7	390.7	396.4	398.3	399.4	397.5	399.4
172.5°	371.0	375.6	380.8	385.5	386.5	388.9	394.3	396.2	397.0	395.4	397.0
175°	374.0	376.7	380.5	383.5	383.1	384.7	389.2	390.7	392.2	390.0	392.2
177.5°	375.5	376.7	377.9	379.7	378.5	378.5	381.9	382.8	383.1	381.9	383.1
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



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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°	5.5	6.8	8.5	8.4	6.5	4.8	4.5	4.2	6.2	8.3	9.2
90°	8.0	7.6	7.6	7.2	6.1	4.5	2.7	1.1	2.7	4.2	6.8
92.5°	9.5	9.4	8.8	8.1	6.7	6.7	6.6	4.2	7.2	10.2	14.7
95°	8.7	8.7	10.2	12.9	18.9	19.3	12.9	11.7	16.7	23.5	29.6
97.5°	23.6	28.0	34.4	35.6	33.7	25.2	24.1	22.4	30.5	37.3	47.1
100°	43.6	49.3	53.8	44.7	35.2	34.9	32.6	31.8	40.5	47.0	56.5
102.5°	68.1	69.9	54.1	49.0	46.8	45.2	41.7	41.2	49.9	58.8	66.8
105°	73.9	66.3	66.7	66.7	65.2	62.2	55.7	55.3	65.2	75.4	85.3
107.5°	86.9	88.1	90.0	89.6	87.8	79.7	72.2	70.4	79.3	91.6	102.4
110°	104.2	105.4	106.1	105.4	102.7	92.5	83.4	80.7	88.7	101.6	113.3



TEST NUMBER: P1435746

CATALOG NUMBER: SQ2W-FA-K-025U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	120.9	121.7	123.4	121.1	116.6	104.9	94.6	90.7	98.7	111.9	123.9
115°	147.4	147.4	147.8	146.7	137.6	125.4	111.8	106.1	112.9	125.1	138.3
117.5°	173.5	173.9	172.4	169.4	158.9	144.8	129.5	120.4	125.7	138.6	152.2
120°	189.9	190.6	189.1	184.6	174.3	158.4	141.0	130.4	134.5	147.0	160.7
122.5°	206.8	206.7	204.9	199.7	187.7	171.1	154.0	141.0	142.7	154.3	167.7
125°	230.4	230.0	228.5	222.5	209.9	192.9	172.8	156.9	154.6	164.5	178.1
127.5°	252.8	252.0	249.7	242.3	229.5	213.1	191.0	173.0	167.9	174.1	186.6
130°	268.3	267.2	263.0	255.0	242.5	227.0	204.6	184.2	177.0	180.8	191.8
132.5°	283.2	279.9	276.3	267.8	256.2	240.0	217.4	196.0	186.1	187.7	196.3
135°	302.0	299.0	294.5	286.1	275.1	259.2	236.5	213.4	199.7	198.2	203.1
137.5°	318.6	315.5	310.3	303.1	292.0	277.9	256.0	231.6	214.4	209.3	211.2
140°	328.9	325.2	320.6	313.4	303.6	288.8	267.6	244.1	224.7	217.5	216.4
142.5°	337.4	334.6	329.7	323.1	314.5	299.7	279.1	255.9	235.3	226.0	223.4
145°	350.2	347.9	342.6	336.5	329.3	314.5	295.6	272.5	252.0	239.9	234.2
147.5°	360.9	359.1	354.9	347.8	341.8	327.6	310.3	289.8	268.8	253.8	246.5
150°	367.6	366.1	361.9	355.1	349.0	335.8	319.1	300.1	280.1	264.1	254.7
152.5°	374.0	372.5	367.7	360.9	355.7	343.3	328.2	310.1	289.8	273.8	264.1
155°	382.4	380.5	375.9	369.5	364.9	353.6	339.6	323.6	306.2	289.5	278.5
157.5°	389.1	386.7	382.5	376.9	372.1	361.6	349.4	335.7	320.5	304.5	293.3
160°	393.0	390.3	385.8	380.9	376.3	366.5	355.5	343.0	328.9	314.5	302.4
162.5°	395.7	393.4	387.9	383.6	379.7	370.7	360.3	349.0	336.5	323.9	312.7
165°	398.7	396.0	390.3	386.9	383.5	375.9	366.8	357.7	347.1	336.9	327.8
167.5°	398.9	396.7	391.0	387.7	385.2	378.7	371.3	364.3	356.1	348.0	340.5
170°	398.3	396.4	390.7	387.7	385.8	380.5	374.0	368.0	361.5	354.7	348.7
172.5°	396.2	394.3	388.9	386.5	385.5	380.8	375.6	371.0	365.5	360.5	355.6
175°	390.7	389.2	384.7	383.1	383.5	380.5	376.7	374.0	370.6	367.6	364.9
177.5°	382.8	381.9	378.5	378.5	379.7	377.9	376.7	375.5	374.0	373.1	372.1
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



TEST NUMBER: P1435746

CATALOG NUMBER: SQ2W-FA-K-025U-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°	9.6	10.2	10.7	11.0	11.3	11.1	11.3	11.0	10.7	10.2	9.6
90°	8.7	11.4	14.0	15.5	17.1	16.3	17.1	15.5	14.0	11.4	8.7
92.5°	17.5	22.0	25.2	28.0	29.2	29.0	29.2	28.0	25.2	22.0	17.5
95°	35.2	40.5	45.9	49.6	51.9	51.2	51.9	49.6	40.5	35.2	35.2
97.5°	54.3	61.5	67.4	70.9	73.2	74.7	73.2	70.9	67.4	61.5	54.3
100°	67.1	73.9	80.7	84.9	88.7	90.2	88.7	84.9	80.7	73.9	67.1
102.5°	77.4	86.3	93.8	98.2	101.4	102.9	101.4	98.2	93.8	86.3	77.4
105°	94.4	103.8	111.8	117.5	120.9	122.0	120.9	117.5	111.8	103.8	94.4
107.5°	111.3	121.1	128.5	134.8	138.9	141.4	138.9	134.8	128.5	121.1	111.3
110°	124.7	132.6	140.6	146.3	150.5	152.0	150.5	146.3	140.6	132.6	124.7



TEST NUMBER: P1435746

CATALOG NUMBER: SQ2W-FA-K-025U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	135.9	144.8	152.7	158.4	163.2	165.3	163.2	158.4	152.7	144.8	135.9
115°	151.6	163.3	170.5	175.8	179.3	181.1	179.3	175.8	170.5	163.3	151.6
117.5°	164.6	176.9	184.8	188.9	190.5	191.8	190.5	188.9	184.8	176.9	164.6
120°	172.8	184.2	193.3	198.6	200.5	201.2	200.5	198.6	193.3	184.2	172.8
122.5°	180.4	191.2	199.9	206.5	209.6	210.3	209.6	206.5	199.9	191.2	180.4
125°	191.0	201.2	210.3	216.8	220.2	222.1	220.2	216.8	210.3	201.2	191.0
127.5°	200.2	211.3	219.7	225.5	228.8	230.3	228.8	225.5	219.7	211.3	200.2
130°	205.4	216.8	225.1	231.6	234.6	236.1	234.6	231.6	225.1	216.8	205.4
132.5°	209.3	221.3	230.0	235.8	239.1	240.6	239.1	235.8	230.0	221.3	209.3
135°	214.1	226.6	235.7	241.4	244.4	246.0	244.4	241.4	235.7	226.6	214.1
137.5°	218.3	229.7	239.1	245.1	247.8	248.8	247.8	245.1	239.1	229.7	218.3
140°	221.3	231.2	240.6	246.3	249.4	249.7	249.4	246.3	240.6	231.2	221.3
142.5°	225.3	233.0	241.3	246.9	250.0	250.7	250.0	246.9	241.3	233.0	225.3
145°	232.3	236.9	242.5	247.8	250.5	251.3	250.5	247.8	242.5	236.9	232.3
147.5°	241.2	242.6	245.6	249.1	251.6	252.2	251.6	249.1	245.6	242.6	241.2
150°	247.8	247.5	248.6	250.9	253.2	252.8	253.2	250.9	248.6	247.5	247.8
152.5°	255.4	253.2	253.2	254.2	255.3	255.2	255.3	254.2	253.2	253.2	255.4
155°	268.3	264.1	261.9	261.1	261.1	260.7	261.1	261.1	261.9	264.1	268.3
157.5°	282.5	276.6	273.2	271.4	270.9	270.1	270.9	271.4	273.2	276.6	282.5
160°	292.2	285.7	282.3	279.3	278.2	277.0	278.2	279.3	282.3	285.7	292.2
162.5°	301.3	295.1	291.4	288.7	287.6	285.8	287.6	288.7	291.4	295.1	301.3
165°	316.1	309.6	305.4	303.2	301.7	300.1	301.7	303.2	305.4	309.6	316.1
167.5°	330.8	323.8	321.1	318.5	317.0	314.3	317.0	318.5	321.1	323.8	330.8
170°	339.9	333.5	332.0	329.7	327.1	324.0	327.1	329.7	332.0	333.5	339.9
172.5°	347.8	343.5	342.0	339.7	338.9	336.4	338.9	339.7	342.0	343.5	347.8
175°	359.3	355.9	355.9	355.5	354.3	352.1	354.3	355.5	355.9	355.9	359.3
177.5°	368.8	367.0	368.2	368.2	367.9	365.8	367.9	368.2	368.2	367.0	368.8
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



TEST NUMBER: P1435746

CATALOG NUMBER: SQ2W-FA-K-025U-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°	9.2	8.3	6.2	4.2
90°	6.8	4.2	2.7	1.1
92.5°	14.7	10.2	7.2	4.2
95°	29.6	23.5	16.7	11.7
97.5°	47.1	37.3	30.5	22.4
100°	56.5	47.0	40.5	31.8
102.5°	66.8	58.8	49.9	41.2
105°	85.3	75.4	65.2	55.3
107.5°	102.4	91.6	79.3	70.4
110°	113.3	101.6	88.7	80.7

TEST NUMBER: P1435746

CATALOG NUMBER: SQ2W-FA-K-025U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	123.9	111.9	98.7	90.7
115°	138.3	125.1	112.9	106.1
117.5°	152.2	138.6	125.7	120.4
120°	160.7	147.0	134.5	130.4
122.5°	167.7	154.3	142.7	141.0
125°	178.1	164.5	154.6	156.9
127.5°	186.6	174.1	167.9	173.0
130°	191.8	180.8	177.0	184.2
132.5°	196.3	187.7	186.1	196.0
135°	203.1	198.2	199.7	213.4
137.5°	211.2	209.3	214.4	231.6
140°	216.4	217.5	224.7	244.1
142.5°	223.4	226.0	235.3	255.9
145°	234.2	239.9	252.0	272.5
147.5°	246.5	253.8	268.8	289.8
150°	254.7	264.1	280.1	300.1
152.5°	264.1	273.8	289.8	310.1
155°	278.5	289.5	306.2	323.6
157.5°	293.3	304.5	320.5	335.7
160°	302.4	314.5	328.9	343.0
162.5°	312.7	323.9	336.5	349.0
165°	327.8	336.9	347.1	357.7
167.5°	340.5	348.0	356.1	364.3
170°	348.7	354.7	361.5	368.0
172.5°	355.6	360.5	365.5	371.0
175°	364.9	367.6	370.6	374.0
177.5°	372.1	373.1	374.0	375.5
180°	375.2	375.2	375.2	375.2



TEST NUMBER: P1435746  
 CATALOG NUMBER: SQ2W-FA-K-025U-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	18.87	20.00	19.58	20.73	21.61	20.07	21.19	20.78	21.93	22.81
	3H	19.98	20.99	20.71	21.74	22.65	21.33	22.34	22.06	23.09	24.00
	4H	20.34	21.30	21.09	22.05	22.97	21.73	22.69	22.48	23.44	24.37
	6H	20.52	21.40	21.28	22.16	23.10	21.91	22.79	22.67	23.55	24.49
	8H	20.56	21.40	21.33	22.18	23.12	21.94	22.78	22.71	23.56	24.50
	12H	20.56	21.36	21.34	22.14	23.11	21.93	22.73	22.71	23.51	24.48
4H	2H	19.77	20.72	20.52	21.48	22.40	20.68	21.64	21.43	22.39	23.32
	3H	21.18	21.98	21.95	22.77	23.71	22.17	22.97	22.94	23.76	24.70
	4H	21.65	22.37	22.43	23.16	24.13	22.66	23.38	23.44	24.17	25.14
	6H	21.89	22.52	22.69	23.33	24.31	22.89	23.52	23.69	24.34	25.31
	8H	21.96	22.54	22.76	23.35	24.34	22.95	23.53	23.75	24.35	25.33
	12H	21.97	22.49	22.79	23.33	24.32	22.95	23.48	23.77	24.31	25.30
8H	4H	22.05	22.64	22.85	23.45	24.44	22.87	23.46	23.68	24.27	25.26
	6H	22.41	22.90	23.25	23.75	24.74	23.20	23.68	24.03	24.54	25.53
	8H	22.53	22.96	23.38	23.82	24.82	23.30	23.73	24.14	24.58	25.58
	12H	22.58	22.96	23.43	23.80	24.86	23.32	23.70	24.17	24.55	25.61
12H	4H	22.07	22.59	22.89	23.43	24.42	22.86	23.38	23.68	24.22	25.21
	6H	22.49	22.92	23.33	23.77	24.77	23.22	23.65	24.06	24.50	25.51
	8H	22.64	23.02	23.49	23.87	24.93	23.35	23.72	24.19	24.57	25.63