

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: P1435745

Luminaire Tested: SQ2W-FA-K-025U-075D-L830-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2024
Report Number: P1435745
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-L830-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

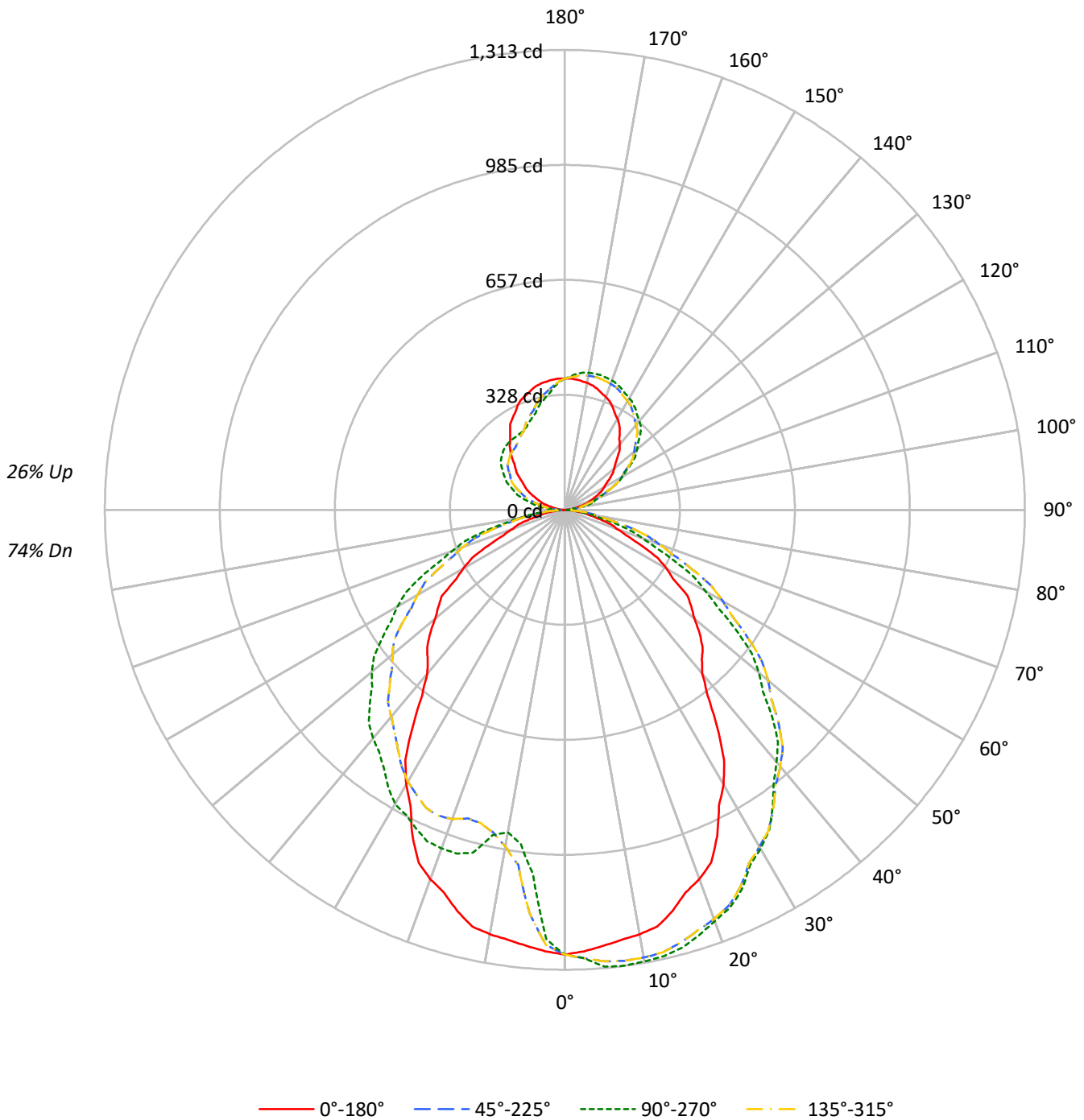
Lumens per Lamp: N/A
Luminaire Lumens: 4249.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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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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°	20498	20498	20498	20498
5°	20257	21215	20257	16909
10°	20170	21461	20170	15329
15°	19824	21633	19824	16944
20°	19278	21475	19278	17671
25°	18322	21303	18322	17884
30°	16881	20826	16881	18073
35°	14936	20368	14936	17749
40°	12861	19810	12861	17942
45°	12698	19102	12698	17979
50°	12114	18170	12114	18047
55°	12051	16760	12051	17869
60°	10805	14938	10805	17799
65°	9211	13161	9211	17295
70°	7435	11150	7435	16031
75°	6444	9208	6444	14735
80°	5495	6862	5495	11892
85°	3649	3649	3649	7299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 19701 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	2.7
10°-20°	319.2	7.5
20°-30°	484.8	11.4
30°-40°	569.1	13.4
40°-50°	577.5	13.6
50°-60°	505.9	11.9
60°-70°	358.8	8.4
70°-80°	184.7	4.3
80°-90°	40.3	0.9
90°-100°	29.8	0.7
100°-110°	87.0	2.0
110°-120°	142.0	3.3
120°-130°	180.2	4.2
130°-140°	192.8	4.5
140°-150°	180.0	4.2
150°-160°	148.1	3.5
160°-170°	99.3	2.3
170°-180°	35.3	0.8
0°-30°	918.2	21.6
0°-40°	1487.3	35.0
0°-60°	2570.7	60.5
0°-90°	3154.6	74.2
90°-120°	258.8	6.1
90°-150°	811.7	19.1
90°-180°	1094.0	25.7
0°-180°	4249.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1270	1270	1270	1270	1270	
5°	1250	1309	1250	1043	1250	119
15°	1186	1294	1186	1014	1186	333
25°	1028	1196	1028	1004	1028	470
35°	758	1033	758	900	758	472
45°	556	837	556	787	556	425
55°	428	595	428	635	428	370
65°	241	344	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	104
125°	157	233	157	222	157	140
135°	213	305	213	246	213	165
145°	272	351	272	251	272	170
155°	323	382	323	260	323	149
165°	357	398	357	300	357	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°	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6
2.5°	1261.7	1270.5	1279.2	1281.4	1281.4	1281.4	1281.4	1281.4	1281.4	1281.4	1281.4
5°	1249.9	1265.2	1280.6	1287.7	1292.0	1295.3	1297.5	1300.2	1304.6	1309.0	1304.6
7.5°	1238.1	1258.7	1279.2	1289.3	1295.9	1301.1	1305.1	1308.6	1310.7	1312.9	1310.7
10°	1230.3	1254.3	1278.4	1289.3	1295.9	1300.2	1302.4	1304.6	1306.8	1309.0	1306.8
12.5°	1218.4	1244.3	1270.1	1282.7	1291.1	1296.3	1298.5	1300.7	1302.9	1305.1	1302.9
15°	1186.0	1221.0	1256.0	1269.6	1276.2	1281.7	1286.0	1289.9	1292.0	1294.2	1292.0
17.5°	1145.6	1188.0	1230.5	1247.6	1256.4	1262.7	1266.7	1270.1	1271.8	1273.6	1271.8
20°	1122.0	1167.9	1213.9	1231.9	1240.6	1246.1	1248.3	1249.9	1249.9	1249.9	1249.9
22.5°	1090.5	1141.7	1192.9	1212.2	1221.0	1225.6	1226.0	1226.8	1228.5	1230.3	1228.5
25°	1028.5	1087.5	1146.6	1171.2	1184.3	1189.8	1187.6	1187.1	1191.4	1195.8	1191.4
27.5°	952.7	1027.1	1101.4	1126.6	1135.3	1140.8	1143.0	1144.6	1144.6	1144.6	1144.6
30°	905.5	988.6	1071.7	1099.0	1107.8	1113.2	1115.4	1117.1	1117.1	1117.1	1117.1
32.5°	846.4	945.3	1044.1	1074.1	1081.1	1084.8	1085.2	1085.6	1085.6	1085.6	1085.6
35°	757.8	878.1	998.4	1031.8	1036.1	1038.3	1038.3	1037.8	1035.6	1033.4	1035.6
37.5°	669.3	805.7	942.2	981.3	987.8	989.6	986.5	983.7	981.5	979.3	981.5
40°	610.2	758.9	907.7	949.8	956.3	956.3	949.8	944.3	942.1	939.9	942.1
42.5°	578.7	725.7	872.7	914.3	920.9	920.0	911.7	904.9	902.7	900.5	902.7
45°	556.1	687.3	818.5	856.3	862.8	861.7	853.0	845.3	840.9	836.6	840.9
47.5°	521.6	637.1	752.6	789.7	800.6	799.5	786.4	775.4	771.1	766.7	771.1
50°	482.3	596.0	709.7	746.4	757.3	756.2	743.1	732.1	727.8	723.4	727.8
52.5°	454.7	561.4	668.2	701.7	710.9	708.1	693.2	681.0	676.6	672.2	676.6
55°	428.1	517.8	607.5	634.8	641.4	637.0	621.7	608.6	602.0	595.4	602.0
57.5°	366.1	451.4	536.7	563.3	570.3	565.0	547.5	532.6	525.1	517.7	525.1
60°	334.6	411.2	487.7	513.4	522.2	517.8	500.3	484.4	473.5	462.6	473.5
62.5°	299.2	367.0	434.8	460.9	473.2	470.6	453.1	437.2	426.3	415.3	426.3
65°	241.1	300.2	359.2	385.5	400.8	399.7	382.2	366.3	355.4	344.5	355.4
67.5°	189.0	239.7	290.4	316.3	333.8	332.9	313.6	297.0	288.3	279.5	288.3
70°	157.5	201.2	245.0	269.0	286.5	286.5	269.0	253.7	245.0	236.2	245.0
72.5°	137.8	171.0	204.3	227.0	246.3	246.3	227.0	210.8	203.8	196.8	203.8
75°	103.3	123.0	142.7	164.0	185.9	188.1	170.6	156.4	152.0	147.6	152.0
77.5°	74.8	84.0	93.2	109.9	129.1	131.3	116.5	104.9	103.1	101.4	103.1
80°	59.1	61.2	63.4	77.1	94.6	96.8	83.7	73.8	73.8	73.8	73.8
82.5°	39.4	41.6	43.7	53.5	65.7	67.0	57.4	49.8	48.0	46.3	48.0
85°	19.7	19.7	19.7	23.0	27.3	27.3	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	9.8	9.8	9.8
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	25.1	33.7	35.6	34.4	28.0	23.6	21.1	19.9	21.1
100°	31.8	32.6	34.8	35.2	44.7	53.8	49.2	43.5	41.6	40.5	41.6
102.5°	41.2	41.6	45.1	46.7	48.9	54.1	69.8	68.1	66.8	66.6	66.8
105°	55.3	55.7	62.1	65.1	66.6	66.6	66.3	73.8	85.9	88.6	85.9
107.5°	70.3	72.1	79.7	87.8	89.5	90.0	88.0	86.9	86.4	86.7	86.4
110°	80.6	83.3	92.4	102.6	105.3	106.0	105.3	104.1	103.4	103.4	103.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	90.6	94.5	104.8	116.5	121.0	123.3	121.6	120.8	120.0	120.6	120.0
115°	106.0	111.7	125.3	137.4	146.5	147.7	147.3	147.3	146.9	146.9	146.9
117.5°	120.3	129.3	144.6	158.7	169.2	172.3	173.8	173.3	172.9	173.6	172.9
120°	130.2	140.8	158.3	174.2	184.4	188.9	190.4	189.7	190.4	189.7	190.4
122.5°	140.8	153.9	171.0	187.5	199.5	204.7	206.5	206.7	206.8	206.4	206.8
125°	156.8	172.7	192.7	209.8	222.3	228.3	229.8	230.2	231.0	232.9	231.0
127.5°	172.8	190.8	212.9	229.3	242.1	249.4	251.8	252.6	254.2	255.0	254.2
130°	184.0	204.5	226.8	242.3	254.8	262.8	266.9	268.1	270.0	269.6	270.0
132.5°	195.8	217.2	239.8	256.0	267.5	276.1	279.7	282.9	283.6	284.1	283.6
135°	213.2	236.3	259.0	274.9	285.9	294.2	298.7	301.8	303.7	304.8	303.7
137.5°	231.4	255.8	277.6	291.8	302.8	310.0	315.2	318.4	320.3	321.2	320.3
140°	243.8	267.3	288.5	303.3	313.1	320.3	324.9	328.6	330.9	330.9	330.9
142.5°	255.6	278.8	299.4	314.2	322.8	329.4	334.3	337.1	339.7	339.7	339.7
145°	272.2	295.3	314.3	329.0	336.2	342.3	347.6	349.9	351.4	351.4	351.4
147.5°	289.6	310.0	327.3	341.4	347.5	354.6	358.8	360.6	362.5	361.7	362.5
150°	299.9	318.8	335.5	348.7	354.8	361.6	365.8	367.3	369.2	368.0	369.2
152.5°	309.9	327.9	343.0	355.4	360.5	367.3	372.1	373.6	374.9	374.1	374.9
155°	323.3	339.3	353.3	364.6	369.2	375.6	380.1	382.0	383.6	381.7	383.6
157.5°	335.4	349.1	361.3	371.7	376.6	382.1	386.4	388.7	390.2	389.4	390.2
160°	342.7	355.2	366.1	376.0	380.5	385.4	390.0	392.6	394.2	393.0	394.2
162.5°	348.7	360.0	370.4	379.3	383.2	387.6	393.0	395.4	396.9	395.4	396.9
165°	357.4	366.5	375.6	383.2	386.6	390.0	395.7	398.3	399.5	397.9	399.5
167.5°	364.0	371.0	378.3	384.8	387.3	390.7	396.3	398.5	400.0	398.1	400.0
170°	367.6	373.7	380.1	385.4	387.3	390.4	396.0	397.9	399.1	397.2	399.1
172.5°	370.7	375.2	380.4	385.1	386.1	388.5	393.9	395.8	396.7	395.1	396.7
175°	373.7	376.4	380.1	383.2	382.8	384.3	388.9	390.4	391.9	389.6	391.9
177.5°	375.1	376.4	377.6	379.4	378.2	378.2	381.5	382.4	382.7	381.5	382.7
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6
2.5°	1281.4	1281.4	1281.4	1281.4	1281.4	1279.2	1270.5	1261.7	1261.7	1261.7	1255.2
5°	1300.2	1297.5	1295.3	1292.0	1287.7	1280.6	1265.2	1249.9	1243.4	1236.8	1208.9
7.5°	1308.6	1305.1	1301.1	1295.9	1289.3	1279.2	1258.7	1238.1	1208.8	1179.5	1117.4
10°	1304.6	1302.4	1300.2	1295.9	1289.3	1278.4	1254.3	1230.3	1171.2	1112.1	1053.1
12.5°	1300.7	1298.5	1296.3	1291.1	1282.7	1270.1	1244.3	1218.4	1134.9	1051.3	998.0
15°	1289.9	1286.0	1281.7	1276.2	1269.6	1256.0	1221.0	1186.0	1091.9	997.9	953.0
17.5°	1270.1	1266.7	1262.7	1256.4	1247.6	1230.5	1188.0	1145.6	1047.2	948.8	919.9
20°	1249.9	1248.3	1246.1	1240.6	1231.9	1213.9	1167.9	1122.0	1023.6	925.2	912.0
22.5°	1226.8	1226.0	1225.6	1221.0	1212.2	1192.9	1141.7	1090.5	993.8	897.2	897.6
25°	1187.1	1187.6	1189.8	1184.3	1171.2	1146.6	1087.5	1028.5	943.2	857.9	872.7
27.5°	1144.6	1143.0	1140.8	1135.3	1126.6	1101.4	1027.1	952.7	885.3	818.0	842.5
30°	1117.1	1115.4	1113.2	1107.8	1099.0	1071.7	988.6	905.5	848.6	791.7	820.2
32.5°	1085.6	1085.2	1084.8	1081.1	1074.1	1044.1	945.3	846.4	805.3	764.2	793.9
35°	1037.8	1038.3	1038.3	1036.1	1031.8	998.4	878.1	757.8	740.3	722.8	757.8
37.5°	983.7	986.5	989.6	987.8	981.3	942.2	805.7	669.3	674.9	680.6	723.1
40°	944.3	949.8	956.3	956.3	949.8	907.7	758.9	610.2	629.9	649.6	695.5
42.5°	904.9	911.7	920.0	920.9	914.3	872.7	725.7	578.7	600.1	621.6	669.3
45°	845.3	853.0	861.7	862.8	856.3	818.5	687.3	556.1	569.2	582.3	628.2
47.5°	775.4	786.4	799.5	800.6	789.7	752.6	637.1	521.6	531.3	540.9	587.9
50°	732.1	743.1	756.2	757.3	746.4	709.7	596.0	482.3	495.4	508.5	557.7
52.5°	681.0	693.2	708.1	710.9	701.7	668.2	561.4	454.7	462.6	470.4	523.6
55°	608.6	621.7	637.0	641.4	634.8	607.5	517.8	428.1	421.6	415.0	469.1
57.5°	532.6	547.5	565.0	570.3	563.3	536.7	451.4	366.1	360.4	354.8	413.4
60°	484.4	500.3	517.8	522.2	513.4	487.7	411.2	334.6	323.7	312.8	374.0
62.5°	437.2	453.1	470.6	473.2	460.9	434.8	367.0	299.2	291.8	284.3	343.8
65°	366.3	382.2	399.7	400.8	385.5	359.2	300.2	241.1	245.5	249.9	303.5
67.5°	297.0	313.6	332.9	333.8	316.3	290.4	239.7	189.0	203.4	217.8	266.1
70°	253.7	269.0	286.5	286.5	269.0	245.0	201.2	157.5	177.2	196.8	241.1
72.5°	210.8	227.0	246.3	246.3	227.0	204.3	171.0	137.8	157.5	177.2	213.6
75°	156.4	170.6	188.1	185.9	164.0	142.7	123.0	103.3	123.0	142.7	170.6
77.5°	104.9	116.5	131.3	129.1	109.9	93.2	84.0	74.8	91.0	107.2	126.6
80°	73.8	83.7	96.8	94.6	77.1	63.4	61.2	59.1	70.0	80.9	95.1
82.5°	49.8	57.4	67.0	65.7	53.5	43.7	41.6	39.4	48.6	57.7	67.6
85°	19.7	23.0	27.3	27.3	23.0	19.7	19.7	19.7	24.1	28.4	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	29.5
97.5°	23.6	28.0	34.4	35.6	33.7	25.1	24.1	22.4	30.5	37.3	47.0
100°	43.5	49.2	53.8	44.7	35.2	34.8	32.6	31.8	40.5	46.9	56.4
102.5°	68.1	69.8	54.1	48.9	46.7	45.1	41.6	41.2	49.9	58.8	66.7
105°	73.8	66.3	66.6	66.6	65.1	62.1	55.7	55.3	65.1	75.3	85.2
107.5°	86.9	88.0	90.0	89.5	87.8	79.7	72.1	70.3	79.2	91.5	102.3
110°	104.1	105.3	106.0	105.3	102.6	92.4	83.3	80.6	88.6	101.5	113.2



TEST NUMBER: P1435745

CATALOG NUMBER: SQ2W-FA-K-025U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	120.8	121.6	123.3	121.0	116.5	104.8	94.5	90.6	98.6	111.8	123.8
115°	147.3	147.3	147.7	146.5	137.4	125.3	111.7	106.0	112.8	124.9	138.2
117.5°	173.3	173.8	172.3	169.2	158.7	144.6	129.3	120.3	125.6	138.4	152.1
120°	189.7	190.4	188.9	184.4	174.2	158.3	140.8	130.2	134.4	146.9	160.5
122.5°	206.7	206.5	204.7	199.5	187.5	171.0	153.9	140.8	142.6	154.2	167.5
125°	230.2	229.8	228.3	222.3	209.8	192.7	172.7	156.8	154.5	164.3	178.0
127.5°	252.6	251.8	249.4	242.1	229.3	212.9	190.8	172.8	167.7	173.9	186.4
130°	268.1	266.9	262.8	254.8	242.3	226.8	204.5	184.0	176.8	180.6	191.6
132.5°	282.9	279.7	276.1	267.5	256.0	239.8	217.2	195.8	185.9	187.6	196.1
135°	301.8	298.7	294.2	285.9	274.9	259.0	236.3	213.2	199.5	198.0	202.9
137.5°	318.4	315.2	310.0	302.8	291.8	277.6	255.8	231.4	214.2	209.2	211.0
140°	328.6	324.9	320.3	313.1	303.3	288.5	267.3	243.8	224.5	217.3	216.2
142.5°	337.1	334.3	329.4	322.8	314.2	299.4	278.8	255.6	235.1	225.8	223.2
145°	349.9	347.6	342.3	336.2	329.0	314.3	295.3	272.2	251.8	239.7	234.0
147.5°	360.6	358.8	354.6	347.5	341.4	327.3	310.0	289.6	268.6	253.6	246.3
150°	367.3	365.8	361.6	354.8	348.7	335.5	318.8	299.9	279.8	263.9	254.4
152.5°	373.6	372.1	367.3	360.5	355.4	343.0	327.9	309.9	289.5	273.6	263.8
155°	382.0	380.1	375.6	369.2	364.6	353.3	339.3	323.3	305.9	289.3	278.3
157.5°	388.7	386.4	382.1	376.6	371.7	361.3	349.1	335.4	320.2	304.3	293.1
160°	392.6	390.0	385.4	380.5	376.0	366.1	355.2	342.7	328.6	314.3	302.1
162.5°	395.4	393.0	387.6	383.2	379.3	370.4	360.0	348.7	336.2	323.7	312.4
165°	398.3	395.7	390.0	386.6	383.2	375.6	366.5	357.4	346.8	336.6	327.5
167.5°	398.5	396.3	390.7	387.3	384.8	378.3	371.0	364.0	355.8	347.7	340.2
170°	397.9	396.0	390.4	387.3	385.4	380.1	373.7	367.6	361.2	354.4	348.3
172.5°	395.8	393.9	388.5	386.1	385.1	380.4	375.2	370.7	365.1	360.2	355.3
175°	390.4	388.9	384.3	382.8	383.2	380.1	376.4	373.7	370.3	367.3	364.6
177.5°	382.4	381.5	378.2	378.2	379.4	377.6	376.4	375.1	373.6	372.7	371.8
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1435745

CATALOG NUMBER: SQ2W-FA-K-025U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6	1269.6
2.5°	1246.4	1239.4	1234.2	1229.8	1228.1	1226.3	1228.1	1229.8	1234.2	1239.4	1246.4
5°	1173.9	1136.8	1097.4	1065.1	1054.2	1043.3	1054.2	1065.1	1097.4	1136.8	1173.9
7.5°	1044.3	999.5	982.9	969.5	966.0	962.6	966.0	969.5	982.9	999.5	1044.3
10°	994.0	958.0	944.8	935.0	935.0	935.0	935.0	935.0	944.8	958.0	994.0
12.5°	954.7	932.6	931.7	933.2	942.0	950.7	942.0	933.2	931.7	932.6	954.7
15°	924.6	927.9	962.9	991.9	1002.8	1013.7	1002.8	991.9	962.9	927.9	924.6
17.5°	914.2	933.0	976.3	1011.0	1019.7	1028.5	1019.7	1011.0	976.3	933.0	914.2
20°	927.3	951.4	984.2	1011.0	1019.7	1028.5	1019.7	1011.0	984.2	951.4	927.3
22.5°	930.4	959.7	985.5	1007.1	1015.8	1024.6	1015.8	1007.1	985.5	959.7	930.4
25°	920.8	955.8	977.6	995.1	999.5	1003.9	999.5	995.1	977.6	955.8	920.8
27.5°	897.6	936.1	958.0	975.1	978.2	981.3	978.2	975.1	958.0	936.1	897.6
30°	877.0	916.4	938.3	956.3	962.9	969.4	962.9	956.3	938.3	916.4	877.0
32.5°	847.3	887.5	914.7	935.3	936.6	937.9	936.6	935.3	914.7	887.5	847.3
35°	810.3	851.9	882.5	904.9	902.7	900.5	902.7	904.9	882.5	851.9	810.3
37.5°	777.7	818.4	845.1	865.8	868.4	871.0	868.4	865.8	845.1	818.4	777.7
40°	750.2	791.7	820.2	842.6	847.0	851.3	847.0	842.6	820.2	791.7	750.2
42.5°	725.7	768.1	796.5	819.0	823.3	827.7	823.3	819.0	796.5	768.1	725.7
45°	685.1	728.9	759.5	783.0	785.2	787.4	785.2	783.0	759.5	728.9	685.1
47.5°	647.4	691.3	719.8	741.7	743.8	746.0	743.8	741.7	719.8	691.3	647.4
50°	619.0	663.8	692.2	714.1	716.3	718.5	716.3	714.1	692.2	663.8	619.0
52.5°	591.8	638.4	663.4	682.6	684.8	687.0	684.8	682.6	663.4	638.4	591.8
55°	543.5	592.7	616.8	634.8	634.8	634.8	634.8	634.8	616.8	592.7	543.5
57.5°	493.4	543.9	564.9	581.3	584.0	586.6	584.0	581.3	564.9	543.9	493.4
60°	459.3	510.7	528.2	542.4	546.8	551.2	546.8	542.4	528.2	510.7	459.3
62.5°	425.6	475.3	492.8	506.5	509.2	511.8	509.2	506.5	492.8	475.3	425.6
65°	373.5	417.2	434.7	448.4	450.5	452.7	450.5	448.4	434.7	417.2	373.5
67.5°	325.6	361.4	373.7	383.3	385.0	386.8	385.0	383.3	373.7	361.4	325.6
70°	293.6	324.2	333.0	339.6	339.6	339.6	339.6	339.6	333.0	324.2	293.6
72.5°	255.6	280.9	289.7	296.7	298.4	300.2	298.4	296.7	289.7	280.9	255.6
75°	201.2	219.8	226.4	231.8	234.0	236.2	234.0	231.8	226.4	219.8	201.2
77.5°	147.2	159.4	163.4	166.9	169.1	171.3	169.1	166.9	163.4	159.4	147.2
80°	110.4	119.2	121.4	123.6	125.8	127.9	125.8	123.6	121.4	119.2	110.4
82.5°	77.6	83.8	86.0	87.7	88.1	88.6	88.1	87.7	86.0	83.8	77.6
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	10.1	10.7	11.0	11.3	11.1	11.3	11.0	10.7	10.1	9.6
90°	8.7	11.4	14.0	15.5	17.0	16.3	17.0	15.5	14.0	11.4	8.7
92.5°	17.5	22.0	25.2	27.9	29.2	29.0	29.2	27.9	25.2	22.0	17.5
95°	35.2	40.5	45.8	49.6	51.9	51.1	51.9	49.6	45.8	40.5	35.2
97.5°	54.3	61.4	67.3	70.9	73.2	74.7	73.2	70.9	67.3	61.4	54.3
100°	67.0	73.8	80.6	84.8	88.6	90.1	88.6	84.8	80.6	73.8	67.0
102.5°	77.3	86.3	93.7	98.1	101.3	102.8	101.3	98.1	93.7	86.3	77.3
105°	94.3	103.7	111.7	117.4	120.8	121.9	120.8	117.4	111.7	103.7	94.3
107.5°	111.2	121.0	128.4	134.6	138.8	141.2	138.8	134.6	128.4	121.0	111.2
110°	124.6	132.5	140.5	146.2	150.3	151.8	150.3	146.2	140.5	132.5	124.6



TEST NUMBER: P1435745

CATALOG NUMBER: SQ2W-FA-K-025U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	135.8	144.6	152.6	158.3	163.0	165.2	163.0	158.3	152.6	144.6	135.8
115°	151.5	163.2	170.4	175.7	179.1	181.0	179.1	175.7	170.4	163.2	151.5
117.5°	164.5	176.7	184.6	188.7	190.3	191.7	190.3	188.7	184.6	176.7	164.5
120°	172.7	184.0	193.1	198.4	200.3	201.1	200.3	198.4	193.1	184.0	172.7
122.5°	180.2	191.0	199.8	206.3	209.4	210.1	209.4	206.3	199.8	191.0	180.2
125°	190.8	201.1	210.1	216.6	220.0	221.9	220.0	216.6	210.1	201.1	190.8
127.5°	200.1	211.1	219.5	225.3	228.6	230.1	228.6	225.3	219.5	211.1	200.1
130°	205.2	216.6	224.9	231.3	234.4	235.9	234.4	231.3	224.9	216.6	205.2
132.5°	209.2	221.1	229.8	235.6	238.9	240.4	238.9	235.6	229.8	221.1	209.2
135°	213.9	226.4	235.5	241.2	244.2	245.7	244.2	241.2	235.5	226.4	213.9
137.5°	218.1	229.4	238.9	244.9	247.6	248.6	247.6	244.9	238.9	229.4	218.1
140°	221.1	231.0	240.4	246.1	249.1	249.5	249.1	246.1	240.4	231.0	221.1
142.5°	225.1	232.8	241.0	246.7	249.7	250.4	249.7	246.7	241.0	232.8	225.1
145°	232.1	236.6	242.3	247.6	250.3	251.0	250.3	247.6	242.3	236.6	232.1
147.5°	241.0	242.4	245.4	248.8	251.4	251.9	251.4	248.8	245.4	242.4	241.0
150°	247.6	247.2	248.4	250.7	252.9	252.5	252.9	250.7	248.4	247.2	247.6
152.5°	255.2	253.0	252.9	254.0	255.0	255.0	255.0	254.0	252.9	253.0	255.2
155°	268.1	263.9	261.6	260.9	260.9	260.5	260.9	260.9	261.6	263.9	268.1
157.5°	282.2	276.4	273.0	271.2	270.6	269.8	270.6	271.2	273.0	276.4	282.2
160°	291.9	285.5	282.1	279.0	277.9	276.8	277.9	279.0	282.1	285.5	291.9
162.5°	301.0	294.9	291.2	288.4	287.3	285.6	287.3	288.4	291.2	294.9	301.0
165°	315.8	309.3	305.2	302.9	301.4	299.9	301.4	302.9	305.2	309.3	315.8
167.5°	330.5	323.5	320.8	318.2	316.8	314.0	316.8	318.2	320.8	323.5	330.5
170°	339.6	333.2	331.7	329.4	326.8	323.7	326.8	329.4	331.7	333.2	339.6
172.5°	347.5	343.2	341.7	339.4	338.6	336.1	338.6	339.4	341.7	343.2	347.5
175°	358.9	355.5	355.5	355.2	354.0	351.7	354.0	355.2	355.5	355.5	358.9
177.5°	368.5	366.7	367.9	367.9	367.6	365.5	367.6	367.9	367.9	366.7	368.5
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1435745

CATALOG NUMBER: SQ2W-FA-K-025U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1269.6	1269.6	1269.6	1269.6
2.5°	1255.2	1261.7	1261.7	1261.7
5°	1208.9	1236.8	1243.4	1249.9
7.5°	1117.4	1179.5	1208.8	1238.1
10°	1053.1	1112.1	1171.2	1230.3
12.5°	998.0	1051.3	1134.9	1218.4
15°	953.0	997.9	1091.9	1186.0
17.5°	919.9	948.8	1047.2	1145.6
20°	912.0	925.2	1023.6	1122.0
22.5°	897.6	897.2	993.8	1090.5
25°	872.7	857.9	943.2	1028.5
27.5°	842.5	818.0	885.3	952.7
30°	820.2	791.7	848.6	905.5
32.5°	793.9	764.2	805.3	846.4
35°	757.8	722.8	740.3	757.8
37.5°	723.1	680.6	674.9	669.3
40°	695.5	649.6	629.9	610.2
42.5°	669.3	621.6	600.1	578.7
45°	628.2	582.3	569.2	556.1
47.5°	587.9	540.9	531.3	521.6
50°	557.7	508.5	495.4	482.3
52.5°	523.6	470.4	462.6	454.7
55°	469.1	415.0	421.6	428.1
57.5°	413.4	354.8	360.4	366.1
60°	374.0	312.8	323.7	334.6
62.5°	343.8	284.3	291.8	299.2
65°	303.5	249.9	245.5	241.1
67.5°	266.1	217.8	203.4	189.0
70°	241.1	196.8	177.2	157.5
72.5°	213.6	177.2	157.5	137.8
75°	170.6	142.7	123.0	103.3
77.5°	126.6	107.2	91.0	74.8
80°	95.1	80.9	70.0	59.1
82.5°	67.6	57.7	48.6	39.4
85°	32.8	28.4	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°	29.5	23.5	16.7	11.7
97.5°	47.0	37.3	30.5	22.4
100°	56.4	46.9	40.5	31.8
102.5°	66.7	58.8	49.9	41.2
105°	85.2	75.3	65.1	55.3
107.5°	102.3	91.5	79.2	70.3
110°	113.2	101.5	88.6	80.6



TEST NUMBER: P1435745

CATALOG NUMBER: SQ2W-FA-K-025U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	123.8	111.8	98.6	90.6
115°	138.2	124.9	112.8	106.0
117.5°	152.1	138.4	125.6	120.3
120°	160.5	146.9	134.4	130.2
122.5°	167.5	154.2	142.6	140.8
125°	178.0	164.3	154.5	156.8
127.5°	186.4	173.9	167.7	172.8
130°	191.6	180.6	176.8	184.0
132.5°	196.1	187.6	185.9	195.8
135°	202.9	198.0	199.5	213.2
137.5°	211.0	209.2	214.2	231.4
140°	216.2	217.3	224.5	243.8
142.5°	223.2	225.8	235.1	255.6
145°	234.0	239.7	251.8	272.2
147.5°	246.3	253.6	268.6	289.6
150°	254.4	263.9	279.8	299.9
152.5°	263.8	273.6	289.5	309.9
155°	278.3	289.3	305.9	323.3
157.5°	293.1	304.3	320.2	335.4
160°	302.1	314.3	328.6	342.7
162.5°	312.4	323.7	336.2	348.7
165°	327.5	336.6	346.8	357.4
167.5°	340.2	347.7	355.8	364.0
170°	348.3	354.4	361.2	367.6
172.5°	355.3	360.2	365.1	370.7
175°	364.6	367.3	370.3	373.7
177.5°	371.8	372.7	373.6	375.1
180°	374.8	374.8	374.8	374.8



TEST NUMBER: P1435745
 CATALOG NUMBER: SQ2W-FA-K-025U-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	18.86	19.99	19.58	20.73	21.61	20.06	21.19	20.78	21.93	22.81
	3H	19.97	20.99	20.70	21.73	22.64	21.33	22.34	22.06	23.09	24.00
	4H	20.34	21.29	21.09	22.05	22.97	21.73	22.68	22.48	23.44	24.36
	6H	20.51	21.39	21.27	22.16	23.10	21.90	22.78	22.67	23.55	24.49
	8H	20.55	21.39	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	23.10	21.93	22.73	22.71	23.51	24.47
4H	2H	19.76	20.72	20.52	21.48	22.40	20.68	21.63	21.43	22.39	23.31
	3H	21.18	21.97	21.94	22.77	23.70	22.17	22.96	22.93	23.76	24.69
	4H	21.64	22.37	22.42	23.16	24.13	22.65	23.38	23.44	24.17	25.14
	6H	21.89	22.51	22.69	23.33	24.31	22.89	23.52	23.69	24.33	25.31
	8H	21.95	22.54	22.75	23.35	24.34	22.95	23.53	23.75	24.34	25.33
	12H	21.97	22.49	22.79	23.33	24.32	22.95	23.47	23.77	24.31	25.30
8H	4H	22.05	22.63	22.85	23.45	24.43	22.87	23.45	23.67	24.27	25.25
	6H	22.41	22.89	23.24	23.75	24.74	23.20	23.68	24.03	24.54	25.52
	8H	22.53	22.96	23.37	23.81	24.82	23.29	23.72	24.14	24.58	25.58
	12H	22.58	22.96	23.43	23.80	24.86	23.32	23.70	24.17	24.54	25.60
12H	4H	22.06	22.59	22.89	23.42	24.42	22.85	23.38	23.68	24.21	25.20
	6H	22.48	22.91	23.33	23.76	24.77	23.22	23.65	24.06	24.50	25.50
	8H	22.64	23.02	23.49	23.86	24.92	23.34	23.72	24.19	24.56	25.63