

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: P1427658

Luminaire Tested: SQ2W-F-0U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427658
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-0U-075D-L835-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 N/A - DIRECT ONLY
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

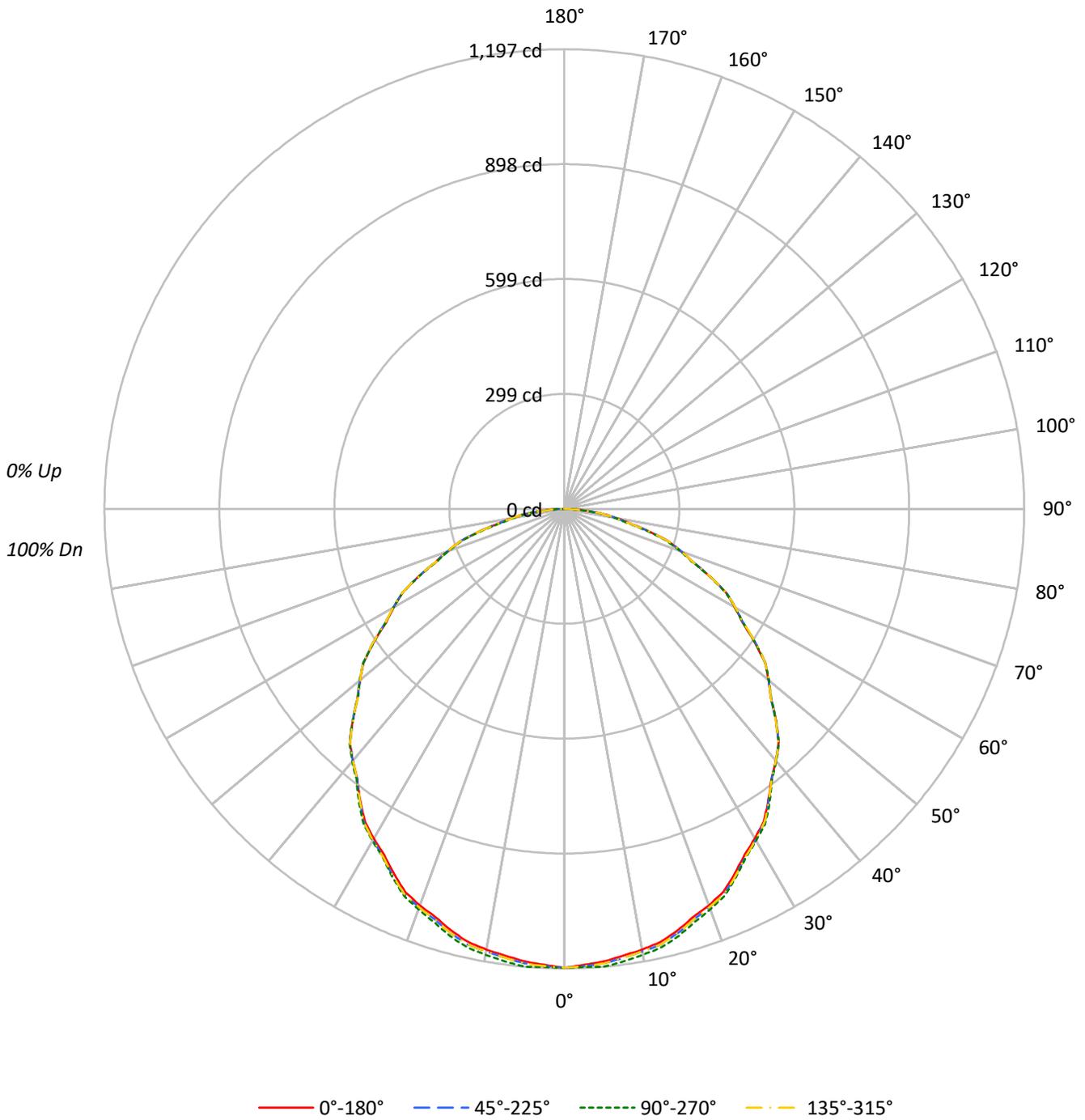
Lumens per Lamp: N/A
Luminaire Lumens: 3363.8 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.7
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

TEST NUMBER: P1427658

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	56	47	41	68	56	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19297	19297	19297	19297
5°	19180	19398	19180	19398
10°	19111	19333	19111	19333
15°	19007	19246	19007	19246
20°	18886	19075	18886	19075
25°	18682	18848	18682	18848
30°	18485	18610	18485	18610
35°	18250	18366	18250	18366
40°	18041	18094	18041	18094
45°	17778	17778	17778	17778
50°	17422	17462	17422	17462
55°	17010	17036	17010	17036
60°	16552	16552	16552	16552
65°	16015	15950	16015	15950
70°	15257	15097	15257	15097
75°	14229	13911	14229	13911
80°	12682	12050	12682	12050
85°	10133	8577	10133	8577

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 17897 cd/sqm



TEST NUMBER: P1427658

CATALOG NUMBER: SQ2W-F-0U-075D-L835-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	3.4
10°-20°	323.1	9.6
20°-30°	486.4	14.5
30°-40°	581.7	17.3
40°-50°	600.6	17.9
50°-60°	541.7	16.1
60°-70°	415.0	12.3
70°-80°	239.8	7.1
80°-90°	62.3	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	922.6	27.4
0°-40°	1504.3	44.7
0°-60°	2646.6	78.7
0°-90°	3363.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3363.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1195	1195	1195	1195	1195	
5°	1183	1197	1183	1197	1183	112
15°	1137	1151	1137	1151	1137	321
25°	1049	1058	1049	1058	1049	483
35°	926	932	926	932	926	579
45°	779	779	779	779	779	600
55°	604	605	604	605	604	540
65°	419	418	419	418	419	414
75°	228	223	228	223	228	242
85°	55	46	55	46	55	66
90°	0	0	0	0	0	



TEST NUMBER: P1427658

CATALOG NUMBER: SQ2W-F-OU-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2
2.5°	1189.1	1194.8	1200.5	1198.1	1193.0	1191.1	1192.3	1193.3	1193.9	1194.5	1193.9
5°	1183.4	1190.9	1198.4	1195.8	1189.8	1187.2	1187.9	1189.4	1193.1	1196.9	1193.1
7.5°	1173.8	1181.3	1188.8	1186.4	1180.7	1178.3	1179.2	1180.9	1184.7	1188.6	1184.7
10°	1165.7	1173.2	1180.7	1178.1	1172.1	1169.9	1171.4	1173.2	1176.2	1179.2	1176.2
12.5°	1155.6	1163.1	1170.6	1168.4	1163.1	1160.8	1161.7	1163.2	1166.5	1169.8	1166.5
15°	1137.1	1144.6	1152.1	1150.0	1144.8	1142.7	1143.9	1145.4	1148.4	1151.4	1148.4
17.5°	1114.7	1121.8	1128.8	1126.9	1122.1	1120.3	1121.5	1123.1	1125.8	1128.4	1125.8
20°	1099.2	1106.0	1112.7	1110.8	1105.9	1103.6	1104.0	1105.0	1107.6	1110.2	1107.6
22.5°	1080.4	1087.1	1093.9	1092.1	1087.6	1084.9	1084.0	1084.2	1087.4	1090.7	1087.4
25°	1048.7	1055.5	1062.2	1060.8	1056.7	1054.1	1053.0	1052.8	1055.4	1058.0	1055.4
27.5°	1015.8	1021.4	1027.0	1025.8	1022.4	1020.3	1019.5	1019.4	1021.3	1023.2	1021.3
30°	991.5	997.1	1002.7	1001.3	997.6	995.3	994.6	994.5	996.4	998.2	996.4
32.5°	965.9	971.2	976.5	974.6	970.3	968.0	967.9	968.3	970.5	972.7	970.5
35°	925.9	930.4	934.8	932.9	928.8	926.9	927.3	928.0	929.9	931.8	929.9
37.5°	885.6	889.1	892.5	890.5	886.7	884.7	884.7	885.0	886.6	888.2	886.6
40°	856.0	859.7	863.5	861.3	857.2	855.0	854.6	854.8	856.7	858.5	856.7
42.5°	825.7	828.5	831.4	829.5	825.9	824.3	824.5	824.9	825.9	826.9	825.9
45°	778.6	781.2	783.8	781.9	778.6	776.9	776.9	777.1	777.8	778.6	777.8
47.5°	729.2	731.3	733.3	731.8	729.2	727.7	727.2	727.2	728.4	729.6	728.4
50°	693.6	696.2	698.8	697.5	694.9	693.2	692.4	692.2	693.7	695.2	693.7
52.5°	658.5	661.5	664.4	663.1	660.5	658.7	657.6	657.2	658.4	659.5	658.4
55°	604.3	607.7	611.1	610.2	608.0	606.1	604.6	603.7	604.4	605.2	604.4
57.5°	549.0	552.2	555.5	554.9	553.0	551.1	549.3	548.2	549.3	550.3	549.3
60°	512.6	515.6	518.6	517.6	515.4	513.5	512.0	511.1	511.8	512.6	511.8
62.5°	475.6	478.5	481.5	480.4	477.8	475.8	474.3	473.4	474.1	474.9	474.1
65°	419.2	421.8	424.4	423.4	421.1	419.3	417.8	416.7	417.1	417.5	417.1
67.5°	362.3	364.5	366.8	365.7	363.5	361.3	359.2	357.7	358.3	358.9	358.3
70°	323.2	325.5	327.7	326.9	325.0	323.1	321.2	319.8	319.8	319.8	319.8
72.5°	285.5	287.4	289.4	288.3	286.1	284.2	282.6	281.5	281.5	281.5	281.5
75°	228.1	229.2	230.3	229.8	228.7	227.2	225.3	223.8	223.4	223.0	223.4
77.5°	172.7	172.7	172.7	171.6	170.2	168.8	167.4	166.2	165.8	165.3	165.8
80°	136.4	136.4	136.4	135.5	134.4	133.3	132.1	131.1	130.4	129.6	130.4
82.5°	102.7	102.1	101.5	100.5	99.4	98.0	96.2	95.1	95.9	96.6	95.9
85°	54.7	54.0	53.2	52.2	51.1	49.8	48.3	47.0	46.7	46.3	46.7
87.5°	16.8	16.2	15.6	14.8	13.9	12.9	11.7	10.7	10.4	10.1	10.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1427658

CATALOG NUMBER: SQ2W-F-0U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2
2.5°	1193.3	1192.3	1191.1	1193.0	1198.1	1200.5	1194.8	1189.1	1194.8	1200.5	1198.1
5°	1189.4	1187.9	1187.2	1189.8	1195.8	1198.4	1190.9	1183.4	1190.9	1198.4	1195.8
7.5°	1180.9	1179.2	1178.3	1180.7	1186.4	1188.8	1181.3	1173.8	1181.3	1188.8	1186.4
10°	1173.2	1171.4	1169.9	1172.1	1178.1	1180.7	1173.2	1165.7	1173.2	1180.7	1178.1
12.5°	1163.2	1161.7	1160.8	1163.1	1168.4	1170.6	1163.1	1155.6	1163.1	1170.6	1168.4
15°	1145.4	1143.9	1142.7	1144.8	1150.0	1152.1	1144.6	1137.1	1144.6	1152.1	1150.0
17.5°	1123.1	1121.5	1120.3	1122.1	1126.9	1128.8	1121.8	1114.7	1121.8	1128.8	1126.9
20°	1105.0	1104.0	1103.6	1105.9	1110.8	1112.7	1106.0	1099.2	1106.0	1112.7	1110.8
22.5°	1084.2	1084.0	1084.9	1087.6	1092.1	1093.9	1087.1	1080.4	1087.1	1093.9	1092.1
25°	1052.8	1053.0	1054.1	1056.7	1060.8	1062.2	1055.5	1048.7	1055.5	1062.2	1060.8
27.5°	1019.4	1019.5	1020.3	1022.4	1025.8	1027.0	1021.4	1015.8	1021.4	1027.0	1025.8
30°	994.5	994.6	995.3	997.6	1001.3	1002.7	997.1	991.5	997.1	1002.7	1001.3
32.5°	968.3	967.9	968.0	970.3	974.6	976.5	971.2	965.9	971.2	976.5	974.6
35°	928.0	927.3	926.9	928.8	932.9	934.8	930.4	925.9	930.4	934.8	932.9
37.5°	885.0	884.7	884.7	886.7	890.5	892.5	889.1	885.6	889.1	892.5	890.5
40°	854.8	854.6	855.0	857.2	861.3	863.5	859.7	856.0	859.7	863.5	861.3
42.5°	824.9	824.5	824.3	825.9	829.5	831.4	828.5	825.7	828.5	831.4	829.5
45°	777.1	776.9	776.9	778.6	781.9	783.8	781.2	778.6	781.2	783.8	781.9
47.5°	727.2	727.2	727.7	729.2	731.8	733.3	731.3	729.2	731.3	733.3	731.8
50°	692.2	692.4	693.2	694.9	697.5	698.8	696.2	693.6	696.2	698.8	697.5
52.5°	657.2	657.6	658.7	660.5	663.1	664.4	661.5	658.5	661.5	664.4	663.1
55°	603.7	604.6	606.1	608.0	610.2	611.1	607.7	604.3	607.7	611.1	610.2
57.5°	548.2	549.3	551.1	553.0	554.9	555.5	552.2	549.0	552.2	555.5	554.9
60°	511.1	512.0	513.5	515.4	517.6	518.6	515.6	512.6	515.6	518.6	517.6
62.5°	473.4	474.3	475.8	477.8	480.4	481.5	478.5	475.6	478.5	481.5	480.4
65°	416.7	417.8	419.3	421.1	423.4	424.4	421.8	419.2	421.8	424.4	423.4
67.5°	357.7	359.2	361.3	363.5	365.7	366.8	364.5	362.3	364.5	366.8	365.7
70°	319.8	321.2	323.1	325.0	326.9	327.7	325.5	323.2	325.5	327.7	326.9
72.5°	281.5	282.6	284.2	286.1	288.3	289.4	287.4	285.5	287.4	289.4	288.3
75°	223.8	225.3	227.2	228.7	229.8	230.3	229.2	228.1	229.2	230.3	229.8
77.5°	166.2	167.4	168.8	170.2	171.6	172.7	172.7	172.7	172.7	172.7	171.6
80°	131.1	132.1	133.3	134.4	135.5	136.4	136.4	136.4	136.4	136.4	135.5
82.5°	95.1	96.2	98.0	99.4	100.5	101.5	102.1	102.7	102.1	101.5	100.5
85°	47.0	48.3	49.8	51.1	52.2	53.2	54.0	54.7	54.0	53.2	52.2
87.5°	10.7	11.7	12.9	13.9	14.8	15.6	16.2	16.8	16.2	15.6	14.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1427658

CATALOG NUMBER: SQ2W-F-0U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2
2.5°	1193.0	1191.1	1192.3	1193.3	1193.9	1194.5	1193.9	1193.3	1192.3	1191.1	1193.0
5°	1189.8	1187.2	1187.9	1189.4	1193.1	1196.9	1193.1	1189.4	1187.9	1187.2	1189.8
7.5°	1180.7	1178.3	1179.2	1180.9	1184.7	1188.6	1184.7	1180.9	1179.2	1178.3	1180.7
10°	1172.1	1169.9	1171.4	1173.2	1176.2	1179.2	1176.2	1173.2	1171.4	1169.9	1172.1
12.5°	1163.1	1160.8	1161.7	1163.2	1166.5	1169.8	1166.5	1163.2	1161.7	1160.8	1163.1
15°	1144.8	1142.7	1143.9	1145.4	1148.4	1151.4	1148.4	1145.4	1143.9	1142.7	1144.8
17.5°	1122.1	1120.3	1121.5	1123.1	1125.8	1128.4	1125.8	1123.1	1121.5	1120.3	1122.1
20°	1105.9	1103.6	1104.0	1105.0	1107.6	1110.2	1107.6	1105.0	1104.0	1103.6	1105.9
22.5°	1087.6	1084.9	1084.0	1084.2	1087.4	1090.7	1087.4	1084.2	1084.0	1084.9	1087.6
25°	1056.7	1054.1	1053.0	1052.8	1055.4	1058.0	1055.4	1052.8	1053.0	1054.1	1056.7
27.5°	1022.4	1020.3	1019.5	1019.4	1021.3	1023.2	1021.3	1019.4	1019.5	1020.3	1022.4
30°	997.6	995.3	994.6	994.5	996.4	998.2	996.4	994.5	994.6	995.3	997.6
32.5°	970.3	968.0	967.9	968.3	970.5	972.7	970.5	968.3	967.9	968.0	970.3
35°	928.8	926.9	927.3	928.0	929.9	931.8	929.9	928.0	927.3	926.9	928.8
37.5°	886.7	884.7	884.7	885.0	886.6	888.2	886.6	885.0	884.7	884.7	886.7
40°	857.2	855.0	854.6	854.8	856.7	858.5	856.7	854.8	854.6	855.0	857.2
42.5°	825.9	824.3	824.5	824.9	825.9	826.9	825.9	824.9	824.5	824.3	825.9
45°	778.6	776.9	776.9	777.1	777.8	778.6	777.8	777.1	776.9	776.9	778.6
47.5°	729.2	727.7	727.2	727.2	728.4	729.6	728.4	727.2	727.2	727.7	729.2
50°	694.9	693.2	692.4	692.2	693.7	695.2	693.7	692.2	692.4	693.2	694.9
52.5°	660.5	658.7	657.6	657.2	658.4	659.5	658.4	657.2	657.6	658.7	660.5
55°	608.0	606.1	604.6	603.7	604.4	605.2	604.4	603.7	604.6	606.1	608.0
57.5°	553.0	551.1	549.3	548.2	549.3	550.3	549.3	548.2	549.3	551.1	553.0
60°	515.4	513.5	512.0	511.1	511.8	512.6	511.8	511.1	512.0	513.5	515.4
62.5°	477.8	475.8	474.3	473.4	474.1	474.9	474.1	473.4	474.3	475.8	477.8
65°	421.1	419.3	417.8	416.7	417.1	417.5	417.1	416.7	417.8	419.3	421.1
67.5°	363.5	361.3	359.2	357.7	358.3	358.9	358.3	357.7	359.2	361.3	363.5
70°	325.0	323.1	321.2	319.8	319.8	319.8	319.8	319.8	321.2	323.1	325.0
72.5°	286.1	284.2	282.6	281.5	281.5	281.5	281.5	281.5	282.6	284.2	286.1
75°	228.7	227.2	225.3	223.8	223.4	223.0	223.4	223.8	225.3	227.2	228.7
77.5°	170.2	168.8	167.4	166.2	165.8	165.3	165.8	166.2	167.4	168.8	170.2
80°	134.4	133.3	132.1	131.1	130.4	129.6	130.4	131.1	132.1	133.3	134.4
82.5°	99.4	98.0	96.2	95.1	95.9	96.6	95.9	95.1	96.2	98.0	99.4
85°	51.1	49.8	48.3	47.0	46.7	46.3	46.7	47.0	48.3	49.8	51.1
87.5°	13.9	12.9	11.7	10.7	10.4	10.1	10.4	10.7	11.7	12.9	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1427658

CATALOG NUMBER: SQ2W-F-0U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1195.2	1195.2	1195.2	1195.2
2.5°	1198.1	1200.5	1194.8	1189.1
5°	1195.8	1198.4	1190.9	1183.4
7.5°	1186.4	1188.8	1181.3	1173.8
10°	1178.1	1180.7	1173.2	1165.7
12.5°	1168.4	1170.6	1163.1	1155.6
15°	1150.0	1152.1	1144.6	1137.1
17.5°	1126.9	1128.8	1121.8	1114.7
20°	1110.8	1112.7	1106.0	1099.2
22.5°	1092.1	1093.9	1087.1	1080.4
25°	1060.8	1062.2	1055.5	1048.7
27.5°	1025.8	1027.0	1021.4	1015.8
30°	1001.3	1002.7	997.1	991.5
32.5°	974.6	976.5	971.2	965.9
35°	932.9	934.8	930.4	925.9
37.5°	890.5	892.5	889.1	885.6
40°	861.3	863.5	859.7	856.0
42.5°	829.5	831.4	828.5	825.7
45°	781.9	783.8	781.2	778.6
47.5°	731.8	733.3	731.3	729.2
50°	697.5	698.8	696.2	693.6
52.5°	663.1	664.4	661.5	658.5
55°	610.2	611.1	607.7	604.3
57.5°	554.9	555.5	552.2	549.0
60°	517.6	518.6	515.6	512.6
62.5°	480.4	481.5	478.5	475.6
65°	423.4	424.4	421.8	419.2
67.5°	365.7	366.8	364.5	362.3
70°	326.9	327.7	325.5	323.2
72.5°	288.3	289.4	287.4	285.5
75°	229.8	230.3	229.2	228.1
77.5°	171.6	172.7	172.7	172.7
80°	135.5	136.4	136.4	136.4
82.5°	100.5	101.5	102.1	102.7
85°	52.2	53.2	54.0	54.7
87.5°	14.8	15.6	16.2	16.8
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1427658
 CATALOG NUMBER: SQ2W-F-0U-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	21.95	23.59	22.31	23.90	24.22	21.86	23.50	22.23	23.82	24.13
	3H	23.79	25.27	24.17	25.60	25.96	23.69	25.17	24.06	25.50	25.86
	4H	24.52	25.92	24.91	26.26	26.64	24.40	25.80	24.80	26.15	26.53
	6H	24.99	26.29	25.40	26.66	27.05	24.85	26.15	25.26	26.51	26.90
	8H	25.17	26.41	25.60	26.80	27.20	25.02	26.26	25.44	26.65	27.05
	12H	25.28	26.47	25.71	26.85	27.28	25.11	26.30	25.54	26.68	27.11
4H	2H	22.61	24.01	23.01	24.36	24.73	22.55	23.95	22.94	24.29	24.67
	3H	24.70	25.88	25.11	26.27	26.67	24.61	25.78	25.02	26.18	26.58
	4H	25.54	26.61	25.98	27.02	27.46	25.43	26.50	25.86	26.91	27.35
	6H	26.14	27.07	26.59	27.51	27.97	26.00	26.93	26.45	27.37	27.82
	8H	26.37	27.24	26.83	27.69	28.15	26.21	27.08	26.67	27.53	27.99
	12H	26.53	27.31	27.00	27.78	28.25	26.34	27.12	26.82	27.60	28.07
8H	4H	25.85	26.72	26.31	27.16	27.63	25.75	26.62	26.21	27.07	27.53
	6H	26.57	27.30	27.07	27.79	28.26	26.44	27.17	26.94	27.65	28.13
	8H	26.89	27.54	27.40	28.04	28.53	26.73	27.38	27.24	27.89	28.37
	12H	27.11	27.68	27.61	28.17	28.73	26.92	27.49	27.42	27.98	28.54
12H	4H	25.88	26.67	26.36	27.14	27.61	25.79	26.57	26.27	27.05	27.52
	6H	26.63	27.28	27.14	27.79	28.27	26.51	27.16	27.01	27.66	28.15
	8H	27.00	27.58	27.51	28.07	28.63	26.85	27.43	27.36	27.92	28.48