

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: P1427682

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427682
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-025U-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 250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

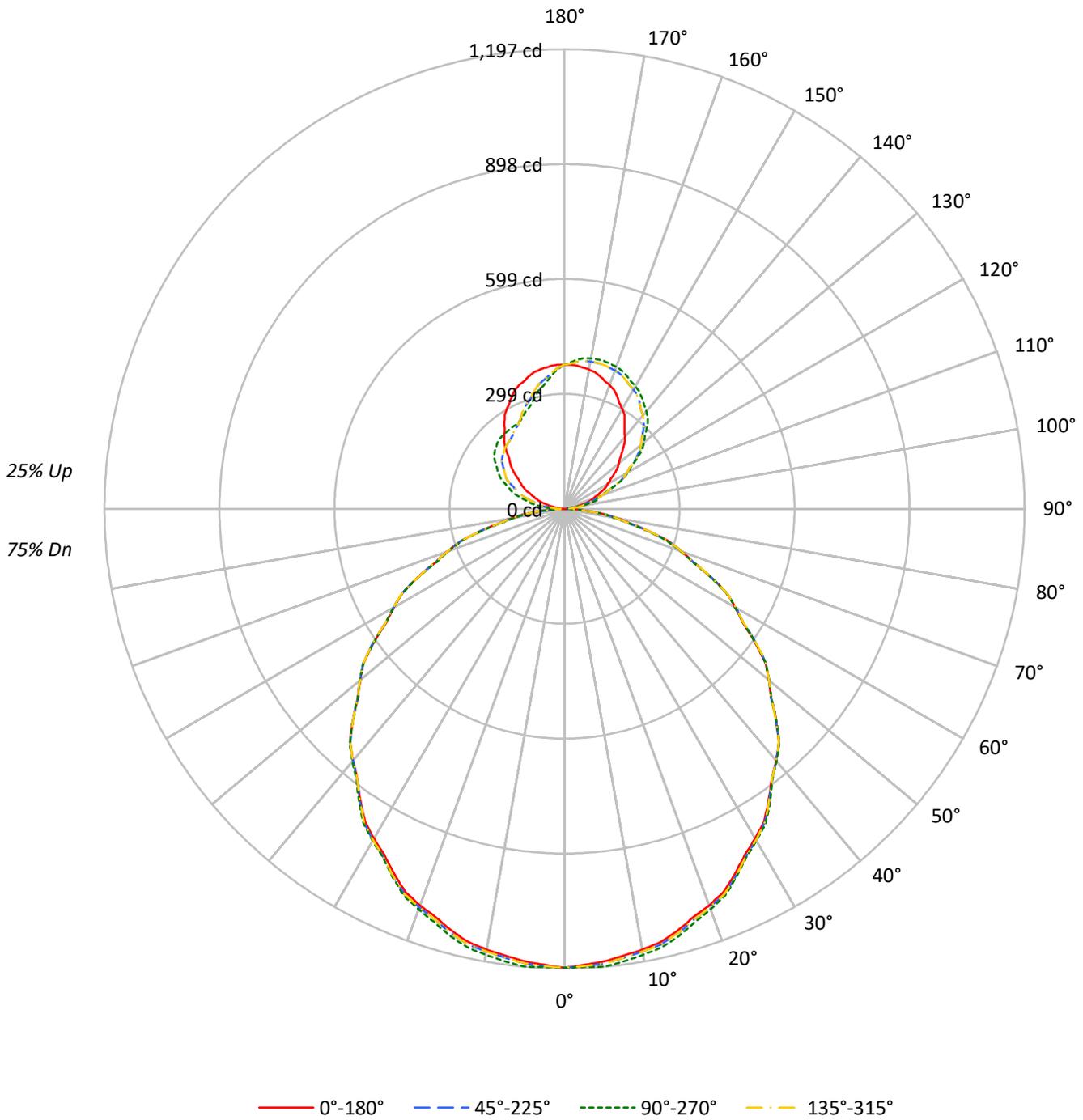
Lumens per Lamp: N/A
Luminaire Lumens: 4460.8 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 34.2
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	50	30	10	0	
RCR																						
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75				
1	103	99	94	91	98	94	90	87	85	82	80	77	75	73	70	68	67	63				
2	94	86	79	74	89	82	76	71	74	70	66	68	64	61	61	58	56	52				
3	85	75	68	61	81	72	65	59	66	60	55	60	55	51	54	50	47	44				
4	78	67	58	52	74	64	56	50	58	52	47	53	48	44	48	44	41	38				
5	72	59	51	44	68	57	49	43	52	45	40	48	42	38	43	39	35	32				
6	66	53	45	39	63	51	43	37	47	40	35	43	37	33	39	35	31	28				
7	61	48	40	34	58	46	39	33	43	36	31	39	33	29	36	31	27	25				
8	57	44	36	30	54	42	35	29	39	32	28	36	30	26	33	28	25	22				
9	53	40	32	27	50	39	31	26	36	29	25	33	27	23	30	26	22	20				
10	50	37	29	24	47	36	28	24	33	27	22	30	25	21	28	23	20	18				

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	2.5
10°-20°	323.1	7.2
20°-30°	486.4	10.9
30°-40°	581.7	13.0
40°-50°	600.6	13.5
50°-60°	541.7	12.1
60°-70°	415.0	9.3
70°-80°	239.8	5.4
80°-90°	63.9	1.4
90°-100°	29.9	0.7
100°-110°	87.1	2.0
110°-120°	142.1	3.2
120°-130°	180.3	4.0
130°-140°	192.9	4.3
140°-150°	180.2	4.0
150°-160°	148.3	3.3
160°-170°	99.4	2.2
170°-180°	35.3	0.8
0°-30°	922.6	20.7
0°-40°	1504.3	33.7
0°-60°	2646.6	59.3
0°-90°	3365.3	75.4
90°-120°	259.0	5.8
90°-150°	812.5	18.2
90°-180°	1095.0	24.5
0°-180°	4460.8	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	64
90°	1	8	1	16	1	3
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°	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°	17.1	16.8	16.5	16.0	15.4	14.4	13.2	12.3	12.1	11.8	12.1
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°	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°	12.3	13.2	14.4	15.4	16.0	16.5	16.8	17.1	16.8	16.5	16.2
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: P1427682

CATALOG NUMBER: SQ2W-F-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: P1427682

CATALOG NUMBER: SQ2W-F-K-025U-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°	15.7	15.1	14.5	13.8	13.8	13.4	13.8	13.8	14.5	15.1	15.7
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	45.9	40.5	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: P1427682

CATALOG NUMBER: SQ2W-F-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: P1427682

CATALOG NUMBER: SQ2W-F-K-025U-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°	16.2	16.5	16.8	17.1
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: P1427682

CATALOG NUMBER: SQ2W-F-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: P1427682
 CATALOG NUMBER: SQ2W-F-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	20.21	21.38	20.91	22.10	22.96	20.13	21.30	20.83	22.02	22.87
	3H	22.03	23.08	22.74	23.81	24.70	21.92	22.98	22.64	23.71	24.59
	4H	22.74	23.73	23.47	24.47	25.37	22.62	23.61	23.35	24.36	25.26
	6H	23.19	24.11	23.94	24.86	25.77	23.05	23.97	23.79	24.72	25.63
	8H	23.36	24.23	24.11	25.01	25.92	23.20	24.08	23.96	24.85	25.76
	12H	23.45	24.29	24.22	25.05	26.00	23.28	24.11	24.04	24.88	25.82
4H	2H	20.83	21.82	21.57	22.57	23.46	20.76	21.76	21.50	22.50	23.40
	3H	22.88	23.71	23.63	24.49	25.40	22.79	23.62	23.54	24.40	25.31
	4H	23.71	24.46	24.47	25.24	26.19	23.59	24.35	24.36	25.13	26.07
	6H	24.28	24.93	25.06	25.74	26.69	24.14	24.79	24.92	25.60	26.55
	8H	24.50	25.11	25.29	25.91	26.88	24.34	24.95	25.12	25.75	26.72
	12H	24.63	25.18	25.43	26.00	26.97	24.44	24.99	25.25	25.82	26.79
8H	4H	23.98	24.59	24.76	25.39	26.35	23.88	24.49	24.66	25.29	26.26
	6H	24.68	25.19	25.49	26.03	26.99	24.55	25.06	25.36	25.90	26.86
	8H	24.99	25.44	25.81	26.28	27.26	24.83	25.28	25.66	26.12	27.11
	12H	25.18	25.58	26.01	26.41	27.45	24.99	25.39	25.82	26.22	27.26
12H	4H	23.98	24.54	24.79	25.36	26.33	23.89	24.44	24.70	25.27	26.24
	6H	24.73	25.19	25.56	26.02	27.01	24.61	25.06	25.43	25.90	26.88
	8H	25.08	25.48	25.91	26.31	27.35	24.93	25.33	25.76	26.16	27.20