

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: P1427685

Luminaire Tested: SQ2W-F-K-025U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427685  
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-L935-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, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

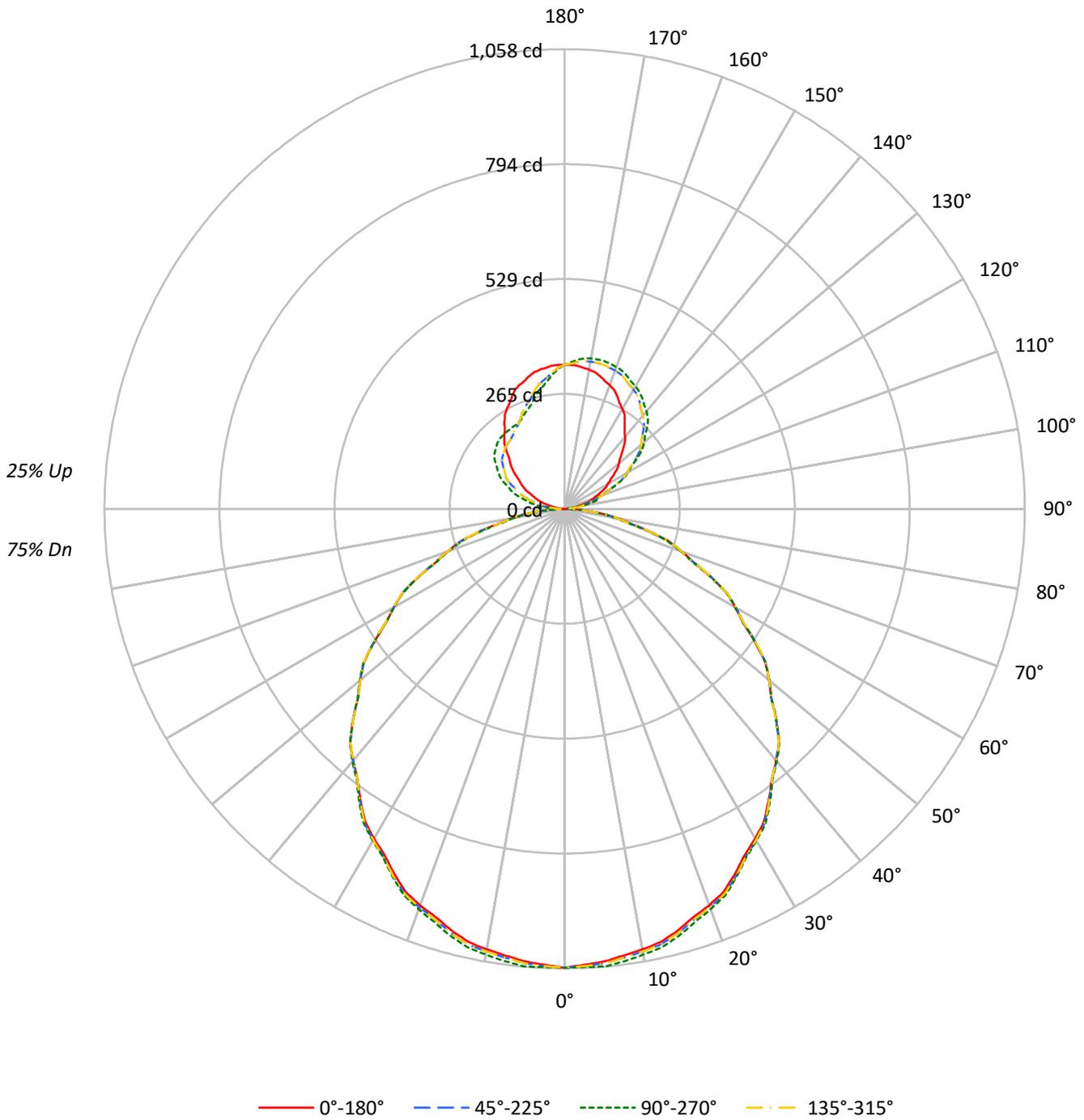
Lumens per Lamp: N/A  
Luminaire Lumens: 3941.8 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 34.2  
Input Voltage (V): 120  
Input Current (A<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

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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°	17051	17051	17051	17051
5°	16948	17141	16948	17141
10°	16888	17083	16888	17083
15°	16795	17008	16795	17008
20°	16690	16855	16690	16855
25°	16509	16655	16509	16655
30°	16335	16445	16335	16445
35°	16125	16227	16125	16227
40°	15942	15989	15942	15989
45°	15709	15709	15709	15709
50°	15395	15430	15395	15430
55°	15032	15054	15032	15054
60°	14628	14628	14628	14628
65°	14151	14093	14151	14093
70°	13482	13341	13482	13341
75°	12576	12295	12576	12295
80°	11204	10646	11204	10646
85°	8948	7577	8948	7577

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 15814 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.9	2.5
10°-20°	285.5	7.2
20°-30°	429.8	10.9
30°-40°	514.0	13.0
40°-50°	530.7	13.5
50°-60°	478.7	12.1
60°-70°	366.7	9.3
70°-80°	211.9	5.4
80°-90°	56.4	1.4
90°-100°	26.4	0.7
100°-110°	76.9	2.0
110°-120°	125.6	3.2
120°-130°	159.3	4.0
130°-140°	170.5	4.3
140°-150°	159.2	4.0
150°-160°	131.0	3.3
160°-170°	87.9	2.2
170°-180°	31.2	0.8
0°-30°	815.3	20.7
0°-40°	1329.3	33.7
0°-60°	2338.7	59.3
0°-90°	2973.8	75.4
90°-120°	228.9	5.8
90°-150°	717.9	18.2
90°-180°	968.0	24.6
0°-180°	3941.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1056	1056	1056	1056	1056	
5°	1046	1058	1046	1058	1046	99
15°	1005	1018	1005	1018	1005	283
25°	927	935	927	935	927	427
35°	818	823	818	823	818	512
45°	688	688	688	688	688	530
55°	534	535	534	535	534	477
65°	370	369	370	369	370	366
75°	202	197	202	197	202	213
85°	48	41	48	41	48	56
90°	1	7	1	14	1	3
95°	10	8	10	45	10	13
105°	49	78	49	108	49	52
115°	94	130	94	160	94	92
125°	139	206	139	196	139	124
135°	188	270	188	217	188	146
145°	241	311	241	222	241	151
155°	286	338	286	230	286	131
165°	316	352	316	265	316	89
175°	330	345	330	311	330	31
180°	332	332	332	332	332	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
2.5°	1050.8	1055.8	1060.8	1058.7	1054.2	1052.5	1053.6	1054.5	1055.0	1055.6	1055.0
5°	1045.7	1052.3	1059.0	1056.6	1051.4	1049.0	1049.7	1051.0	1054.3	1057.6	1054.3
7.5°	1037.3	1043.9	1050.5	1048.4	1043.3	1041.2	1042.0	1043.5	1046.9	1050.3	1046.9
10°	1030.1	1036.7	1043.3	1041.0	1035.7	1033.8	1035.1	1036.7	1039.4	1042.0	1039.4
12.5°	1021.2	1027.8	1034.4	1032.5	1027.7	1025.8	1026.5	1027.9	1030.8	1033.7	1030.8
15°	1004.8	1011.4	1018.0	1016.2	1011.6	1009.8	1010.8	1012.2	1014.8	1017.5	1014.8
17.5°	985.0	991.3	997.5	995.8	991.5	989.9	991.0	992.5	994.8	997.1	994.8
20°	971.4	977.3	983.3	981.5	977.2	975.2	975.6	976.4	978.7	981.0	978.7
22.5°	954.7	960.6	966.6	965.1	961.0	958.6	957.9	958.1	960.9	963.8	960.9
25°	926.7	932.7	938.6	937.4	933.8	931.4	930.5	930.3	932.6	934.9	932.6
27.5°	897.6	902.5	907.5	906.5	903.4	901.6	900.9	900.8	902.5	904.1	902.5
30°	876.2	881.1	886.1	884.8	881.5	879.5	878.9	878.8	880.5	882.1	880.5
32.5°	853.5	858.2	862.9	861.2	857.4	855.4	855.3	855.7	857.6	859.5	857.6
35°	818.1	822.1	826.1	824.3	820.7	819.1	819.4	820.0	821.7	823.3	821.7
37.5°	782.6	785.6	788.7	786.9	783.5	781.8	781.7	782.0	783.4	784.8	783.4
40°	756.4	759.7	763.0	761.1	757.5	755.5	755.2	755.3	757.0	758.6	757.0
42.5°	729.6	732.1	734.7	733.0	729.8	728.4	728.6	729.0	729.8	730.7	729.8
45°	688.0	690.3	692.6	691.0	688.0	686.5	686.5	686.7	687.3	688.0	687.3
47.5°	644.4	646.2	648.0	646.7	644.4	643.0	642.6	642.6	643.6	644.7	643.6
50°	612.9	615.2	617.5	616.3	614.0	612.5	611.9	611.7	613.0	614.3	613.0
52.5°	581.9	584.5	587.1	586.0	583.7	582.1	581.1	580.7	581.8	582.8	581.8
55°	534.0	537.0	540.0	539.2	537.2	535.6	534.3	533.4	534.1	534.8	534.1
57.5°	485.1	488.0	490.9	490.3	488.6	487.0	485.4	484.4	485.3	486.3	485.3
60°	453.0	455.6	458.2	457.4	455.4	453.8	452.5	451.6	452.3	453.0	452.3
62.5°	420.2	422.9	425.5	424.5	422.2	420.5	419.1	418.3	419.0	419.6	419.0
65°	370.4	372.7	375.0	374.1	372.1	370.5	369.2	368.2	368.6	368.9	368.6
67.5°	320.1	322.1	324.1	323.1	321.2	319.3	317.4	316.1	316.6	317.1	316.6
70°	285.6	287.6	289.6	288.8	287.2	285.5	283.9	282.6	282.6	282.6	282.6
72.5°	252.3	254.0	255.7	254.7	252.8	251.1	249.8	248.7	248.7	248.7	248.7
75°	201.6	202.6	203.5	203.0	202.1	200.7	199.1	197.8	197.4	197.1	197.4
77.5°	152.6	152.6	152.6	151.7	150.4	149.2	147.9	146.9	146.5	146.1	146.5
80°	120.5	120.5	120.5	119.7	118.8	117.8	116.8	115.9	115.2	114.5	115.2
82.5°	90.7	90.2	89.7	88.8	87.8	86.6	85.0	84.1	84.7	85.4	84.7
85°	48.3	47.7	47.0	46.1	45.1	44.0	42.6	41.6	41.2	40.9	41.2
87.5°	15.1	14.8	14.6	14.2	13.6	12.7	11.7	10.9	10.7	10.4	10.7
90°	1.0	2.3	4.0	5.4	6.4	6.7	6.7	7.0	7.4	7.4	7.4
92.5°	3.7	5.8	5.9	5.9	7.2	7.8	8.3	8.4	8.7	8.7	8.7
95°	10.4	11.4	17.1	16.7	11.4	9.0	7.7	7.7	7.7	7.7	7.7
97.5°	19.8	21.3	22.2	29.8	31.5	30.4	24.8	20.8	18.6	17.6	18.6
100°	28.1	28.8	30.8	31.1	39.5	47.6	43.5	38.5	36.8	35.8	36.8
102.5°	36.4	36.8	39.9	41.3	43.3	47.8	61.8	60.2	59.1	58.9	59.1
105°	48.9	49.2	54.9	57.6	58.9	58.9	58.6	65.3	76.0	78.4	76.0
107.5°	62.2	63.8	70.5	77.6	79.2	79.6	77.8	76.8	76.4	76.7	76.4
110°	71.3	73.7	81.7	90.8	93.1	93.8	93.1	92.1	91.4	91.4	91.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	80.2	83.6	92.7	103.1	107.0	109.0	107.6	106.8	106.2	106.7	106.2
115°	93.8	98.8	110.8	121.6	129.6	130.6	130.3	130.3	129.9	129.9	129.9
117.5°	106.4	114.4	127.9	140.4	149.7	152.4	153.7	153.3	152.9	153.6	152.9
120°	115.2	124.6	140.0	154.0	163.1	167.1	168.4	167.8	168.4	167.8	168.4
122.5°	124.6	136.1	151.2	165.8	176.5	181.0	182.6	182.8	182.9	182.5	182.9
125°	138.6	152.7	170.5	185.5	196.6	201.9	203.3	203.6	204.3	206.0	204.3
127.5°	152.8	168.8	188.3	202.8	214.1	220.6	222.7	223.4	224.8	225.6	224.8
130°	162.8	180.8	200.6	214.3	225.4	232.4	236.1	237.1	238.8	238.4	238.8
132.5°	173.2	192.1	212.1	226.4	236.6	244.2	247.3	250.2	250.8	251.3	250.8
135°	188.5	209.0	229.1	243.1	252.8	260.2	264.2	266.9	268.6	269.6	268.6
137.5°	204.7	226.2	245.5	258.1	267.8	274.2	278.8	281.6	283.3	284.1	283.3
140°	215.7	236.4	255.2	268.2	276.9	283.3	287.3	290.7	292.7	292.7	292.7
142.5°	226.1	246.6	264.8	277.9	285.5	291.3	295.6	298.2	300.5	300.5	300.5
145°	240.8	261.2	277.9	291.0	297.4	302.7	307.4	309.4	310.8	310.8	310.8
147.5°	256.1	274.2	289.5	302.0	307.4	313.6	317.3	318.9	320.6	319.9	320.6
150°	265.2	282.0	296.7	308.4	313.8	319.8	323.5	324.8	326.5	325.5	326.5
152.5°	274.1	290.0	303.4	314.3	318.9	324.9	329.1	330.5	331.6	330.9	331.6
155°	286.0	300.1	312.4	322.5	326.5	332.2	336.2	337.9	339.2	337.6	339.2
157.5°	296.6	308.8	319.5	328.8	333.1	338.0	341.7	343.8	345.1	344.4	345.1
160°	303.1	314.1	323.8	332.5	336.6	340.9	344.9	347.3	348.6	347.6	348.6
162.5°	308.4	318.4	327.6	335.5	339.0	342.8	347.6	349.7	351.0	349.7	351.0
165°	316.1	324.2	332.2	338.9	341.9	344.9	349.9	352.3	353.3	352.0	353.3
167.5°	322.0	328.1	334.6	340.4	342.6	345.5	350.6	352.5	353.8	352.1	353.8
170°	325.2	330.5	336.2	340.9	342.6	345.3	350.3	352.0	353.0	351.3	353.0
172.5°	327.8	331.9	336.5	340.6	341.5	343.7	348.4	350.1	350.8	349.4	350.8
175°	330.5	332.9	336.2	338.9	338.6	339.9	343.9	345.3	346.6	344.6	346.6
177.5°	331.8	332.9	333.9	335.5	334.5	334.5	337.4	338.2	338.5	337.4	338.5
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
2.5°	1054.5	1053.6	1052.5	1054.2	1058.7	1060.8	1055.8	1050.8	1055.8	1060.8	1058.7
5°	1051.0	1049.7	1049.0	1051.4	1056.6	1059.0	1052.3	1045.7	1052.3	1059.0	1056.6
7.5°	1043.5	1042.0	1041.2	1043.3	1048.4	1050.5	1043.9	1037.3	1043.9	1050.5	1048.4
10°	1036.7	1035.1	1033.8	1035.7	1041.0	1043.3	1036.7	1030.1	1036.7	1043.3	1041.0
12.5°	1027.9	1026.5	1025.8	1027.7	1032.5	1034.4	1027.8	1021.2	1027.8	1034.4	1032.5
15°	1012.2	1010.8	1009.8	1011.6	1016.2	1018.0	1011.4	1004.8	1011.4	1018.0	1016.2
17.5°	992.5	991.0	989.9	991.5	995.8	997.5	991.3	985.0	991.3	997.5	995.8
20°	976.4	975.6	975.2	977.2	981.5	983.3	977.3	971.4	977.3	983.3	981.5
22.5°	958.1	957.9	958.6	961.0	965.1	966.6	960.6	954.7	960.6	966.6	965.1
25°	930.3	930.5	931.4	933.8	937.4	938.6	932.7	926.7	932.7	938.6	937.4
27.5°	900.8	900.9	901.6	903.4	906.5	907.5	902.5	897.6	902.5	907.5	906.5
30°	878.8	878.9	879.5	881.5	884.8	886.1	881.1	876.2	881.1	886.1	884.8
32.5°	855.7	855.3	855.4	857.4	861.2	862.9	858.2	853.5	858.2	862.9	861.2
35°	820.0	819.4	819.1	820.7	824.3	826.1	822.1	818.1	822.1	826.1	824.3
37.5°	782.0	781.7	781.8	783.5	786.9	788.7	785.6	782.6	785.6	788.7	786.9
40°	755.3	755.2	755.5	757.5	761.1	763.0	759.7	756.4	759.7	763.0	761.1
42.5°	729.0	728.6	728.4	729.8	733.0	734.7	732.1	729.6	732.1	734.7	733.0
45°	686.7	686.5	686.5	688.0	691.0	692.6	690.3	688.0	690.3	692.6	691.0
47.5°	642.6	642.6	643.0	644.4	646.7	648.0	646.2	644.4	646.2	648.0	646.7
50°	611.7	611.9	612.5	614.0	616.3	617.5	615.2	612.9	615.2	617.5	616.3
52.5°	580.7	581.1	582.1	583.7	586.0	587.1	584.5	581.9	584.5	587.1	586.0
55°	533.4	534.3	535.6	537.2	539.2	540.0	537.0	534.0	537.0	540.0	539.2
57.5°	484.4	485.4	487.0	488.6	490.3	490.9	488.0	485.1	488.0	490.9	490.3
60°	451.6	452.5	453.8	455.4	457.4	458.2	455.6	453.0	455.6	458.2	457.4
62.5°	418.3	419.1	420.5	422.2	424.5	425.5	422.9	420.2	422.9	425.5	424.5
65°	368.2	369.2	370.5	372.1	374.1	375.0	372.7	370.4	372.7	375.0	374.1
67.5°	316.1	317.4	319.3	321.2	323.1	324.1	322.1	320.1	322.1	324.1	323.1
70°	282.6	283.9	285.5	287.2	288.8	289.6	287.6	285.6	287.6	289.6	288.8
72.5°	248.7	249.8	251.1	252.8	254.7	255.7	254.0	252.3	254.0	255.7	254.7
75°	197.8	199.1	200.7	202.1	203.0	203.5	202.6	201.6	202.6	203.5	203.0
77.5°	146.9	147.9	149.2	150.4	151.7	152.6	152.6	152.6	152.6	152.6	151.7
80°	115.9	116.8	117.8	118.8	119.7	120.5	120.5	120.5	120.5	120.5	119.7
82.5°	84.1	85.0	86.6	87.8	88.8	89.7	90.2	90.7	90.2	89.7	88.8
85°	41.6	42.6	44.0	45.1	46.1	47.0	47.7	48.3	47.7	47.0	46.1
87.5°	10.9	11.7	12.7	13.6	14.2	14.6	14.8	15.1	14.8	14.6	14.3
90°	7.0	6.7	6.7	6.4	5.4	4.0	2.3	1.0	2.3	3.7	6.0
92.5°	8.4	8.3	7.8	7.2	5.9	5.9	5.8	3.7	6.4	9.0	13.0
95°	7.7	7.7	9.0	11.4	16.7	17.1	11.4	10.4	14.7	20.8	26.1
97.5°	20.8	24.8	30.4	31.5	29.8	22.2	21.3	19.8	27.0	33.0	41.6
100°	38.5	43.5	47.6	39.5	31.1	30.8	28.8	28.1	35.8	41.5	49.9
102.5°	60.2	61.8	47.8	43.3	41.3	39.9	36.8	36.4	44.1	52.0	59.0
105°	65.3	58.6	58.9	58.9	57.6	54.9	49.2	48.9	57.6	66.6	75.3
107.5°	76.8	77.8	79.6	79.2	77.6	70.5	63.8	62.2	70.1	80.9	90.5
110°	92.1	93.1	93.8	93.1	90.8	81.7	73.7	71.3	78.4	89.7	100.1



TEST NUMBER: P1427685

CATALOG NUMBER: SQ2W-F-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	106.8	107.6	109.0	107.0	103.1	92.7	83.6	80.2	87.2	98.9	109.5
115°	130.3	130.3	130.6	129.6	121.6	110.8	98.8	93.8	99.8	110.5	122.2
117.5°	153.3	153.7	152.4	149.7	140.4	127.9	114.4	106.4	111.1	122.4	134.5
120°	167.8	168.4	167.1	163.1	154.0	140.0	124.6	115.2	118.9	129.9	142.0
122.5°	182.8	182.6	181.0	176.5	165.8	151.2	136.1	124.6	126.1	136.4	148.2
125°	203.6	203.3	201.9	196.6	185.5	170.5	152.7	138.6	136.6	145.3	157.4
127.5°	223.4	222.7	220.6	214.1	202.8	188.3	168.8	152.8	148.4	153.8	164.9
130°	237.1	236.1	232.4	225.4	214.3	200.6	180.8	162.8	156.4	159.7	169.4
132.5°	250.2	247.3	244.2	236.6	226.4	212.1	192.1	173.2	164.4	165.9	173.5
135°	266.9	264.2	260.2	252.8	243.1	229.1	209.0	188.5	176.5	175.1	179.5
137.5°	281.6	278.8	274.2	267.8	258.1	245.5	226.2	204.7	189.5	185.0	186.7
140°	290.7	287.3	283.3	276.9	268.2	255.2	236.4	215.7	198.6	192.2	191.2
142.5°	298.2	295.6	291.3	285.5	277.9	264.8	246.6	226.1	208.0	199.7	197.4
145°	309.4	307.4	302.7	297.4	291.0	277.9	261.2	240.8	222.7	212.0	207.0
147.5°	318.9	317.3	313.6	307.4	302.0	289.5	274.2	256.1	237.6	224.3	217.8
150°	324.8	323.5	319.8	313.8	308.4	296.7	282.0	265.2	247.5	233.4	225.0
152.5°	330.5	329.1	324.9	318.9	314.3	303.4	290.0	274.1	256.0	242.0	233.3
155°	337.9	336.2	332.2	326.5	322.5	312.4	300.1	286.0	270.6	255.8	246.1
157.5°	343.8	341.7	338.0	333.1	328.8	319.5	308.8	296.6	283.2	269.1	259.2
160°	347.3	344.9	340.9	336.6	332.5	323.8	314.1	303.1	290.7	277.9	267.2
162.5°	349.7	347.6	342.8	339.0	335.5	327.6	318.4	308.4	297.4	286.3	276.3
165°	352.3	349.9	344.9	341.9	338.9	332.2	324.2	316.1	306.7	297.7	289.7
167.5°	352.5	350.6	345.5	342.6	340.4	334.6	328.1	322.0	314.7	307.6	300.9
170°	352.0	350.3	345.3	342.6	340.9	336.2	330.5	325.2	319.5	313.4	308.1
172.5°	350.1	348.4	343.7	341.5	340.6	336.5	331.9	327.8	323.0	318.5	314.3
175°	345.3	343.9	339.9	338.6	338.9	336.2	332.9	330.5	327.5	324.8	322.5
177.5°	338.2	337.4	334.5	334.5	335.5	333.9	332.9	331.8	330.5	329.7	328.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1427685

CATALOG NUMBER: SQ2W-F-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
2.5°	1054.2	1052.5	1053.6	1054.5	1055.0	1055.6	1055.0	1054.5	1053.6	1052.5	1054.2
5°	1051.4	1049.0	1049.7	1051.0	1054.3	1057.6	1054.3	1051.0	1049.7	1049.0	1051.4
7.5°	1043.3	1041.2	1042.0	1043.5	1046.9	1050.3	1046.9	1043.5	1042.0	1041.2	1043.3
10°	1035.7	1033.8	1035.1	1036.7	1039.4	1042.0	1039.4	1036.7	1035.1	1033.8	1035.7
12.5°	1027.7	1025.8	1026.5	1027.9	1030.8	1033.7	1030.8	1027.9	1026.5	1025.8	1027.7
15°	1011.6	1009.8	1010.8	1012.2	1014.8	1017.5	1014.8	1012.2	1010.8	1009.8	1011.6
17.5°	991.5	989.9	991.0	992.5	994.8	997.1	994.8	992.5	991.0	989.9	991.5
20°	977.2	975.2	975.6	976.4	978.7	981.0	978.7	976.4	975.6	975.2	977.2
22.5°	961.0	958.6	957.9	958.1	960.9	963.8	960.9	958.1	957.9	958.6	961.0
25°	933.8	931.4	930.5	930.3	932.6	934.9	932.6	930.3	930.5	931.4	933.8
27.5°	903.4	901.6	900.9	900.8	902.5	904.1	902.5	900.8	900.9	901.6	903.4
30°	881.5	879.5	878.9	878.8	880.5	882.1	880.5	878.8	878.9	879.5	881.5
32.5°	857.4	855.4	855.3	855.7	857.6	859.5	857.6	855.7	855.3	855.4	857.4
35°	820.7	819.1	819.4	820.0	821.7	823.3	821.7	820.0	819.4	819.1	820.7
37.5°	783.5	781.8	781.7	782.0	783.4	784.8	783.4	782.0	781.7	781.8	783.5
40°	757.5	755.5	755.2	755.3	757.0	758.6	757.0	755.3	755.2	755.5	757.5
42.5°	729.8	728.4	728.6	729.0	729.8	730.7	729.8	729.0	728.6	728.4	729.8
45°	688.0	686.5	686.5	686.7	687.3	688.0	687.3	686.7	686.5	686.5	688.0
47.5°	644.4	643.0	642.6	642.6	643.6	644.7	643.6	642.6	642.6	643.0	644.4
50°	614.0	612.5	611.9	611.7	613.0	614.3	613.0	611.7	611.9	612.5	614.0
52.5°	583.7	582.1	581.1	580.7	581.8	582.8	581.8	580.7	581.1	582.1	583.7
55°	537.2	535.6	534.3	533.4	534.1	534.8	534.1	533.4	534.3	535.6	537.2
57.5°	488.6	487.0	485.4	484.4	485.3	486.3	485.3	484.4	485.4	487.0	488.6
60°	455.4	453.8	452.5	451.6	452.3	453.0	452.3	451.6	452.5	453.8	455.4
62.5°	422.2	420.5	419.1	418.3	419.0	419.6	419.0	418.3	419.1	420.5	422.2
65°	372.1	370.5	369.2	368.2	368.6	368.9	368.6	368.2	369.2	370.5	372.1
67.5°	321.2	319.3	317.4	316.1	316.6	317.1	316.6	316.1	317.4	319.3	321.2
70°	287.2	285.5	283.9	282.6	282.6	282.6	282.6	282.6	283.9	285.5	287.2
72.5°	252.8	251.1	249.8	248.7	248.7	248.7	248.7	248.7	249.8	251.1	252.8
75°	202.1	200.7	199.1	197.8	197.4	197.1	197.4	197.8	199.1	200.7	202.1
77.5°	150.4	149.2	147.9	146.9	146.5	146.1	146.5	146.9	147.9	149.2	150.4
80°	118.8	117.8	116.8	115.9	115.2	114.5	115.2	115.9	116.8	117.8	118.8
82.5°	87.8	86.6	85.0	84.1	84.7	85.4	84.7	84.1	85.0	86.6	87.8
85°	45.1	44.0	42.6	41.6	41.2	40.9	41.2	41.6	42.6	44.0	45.1
87.5°	13.8	13.4	12.8	12.2	12.2	11.8	12.2	12.2	12.8	13.4	13.8
90°	7.7	10.0	12.4	13.7	15.1	14.4	15.1	13.7	12.4	10.0	7.7
92.5°	15.5	19.4	22.3	24.7	25.8	25.7	25.8	24.7	22.3	19.4	15.5
95°	31.1	35.8	40.5	43.9	45.9	45.2	45.9	43.9	40.5	35.8	31.1
97.5°	48.0	54.3	59.5	62.7	64.7	66.0	64.7	62.7	59.5	54.3	48.0
100°	59.3	65.3	71.3	75.0	78.4	79.7	78.4	75.0	71.3	65.3	59.3
102.5°	68.4	76.3	82.8	86.8	89.6	91.0	89.6	86.8	82.8	76.3	68.4
105°	83.4	91.8	98.8	103.8	106.8	107.8	106.8	103.8	98.8	91.8	83.4
107.5°	98.4	107.0	113.5	119.1	122.8	124.9	122.8	119.1	113.5	107.0	98.4
110°	110.2	117.2	124.2	129.3	132.9	134.3	132.9	129.3	124.2	117.2	110.2



TEST NUMBER: P1427685

CATALOG NUMBER: SQ2W-F-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	120.1	127.9	135.0	140.0	144.2	146.1	144.2	140.0	135.0	127.9	120.1
115°	134.0	144.3	150.7	155.4	158.4	160.1	158.4	155.4	150.7	144.3	134.0
117.5°	145.5	156.3	163.3	166.9	168.3	169.5	168.3	166.9	163.3	156.3	145.5
120°	152.7	162.8	170.8	175.5	177.2	177.8	177.2	175.5	170.8	162.8	152.7
122.5°	159.4	168.9	176.7	182.4	185.2	185.9	185.2	182.4	176.7	168.9	159.4
125°	168.8	177.8	185.9	191.6	194.6	196.2	194.6	191.6	185.9	177.8	168.8
127.5°	176.9	186.7	194.1	199.3	202.2	203.5	202.2	199.3	194.1	186.7	176.9
130°	181.5	191.6	198.9	204.6	207.3	208.6	207.3	204.6	198.9	191.6	181.5
132.5°	185.0	195.6	203.2	208.4	211.3	212.6	211.3	208.4	203.2	195.6	185.0
135°	189.2	200.3	208.3	213.3	216.0	217.3	216.0	213.3	208.3	200.3	189.2
137.5°	192.9	202.9	211.3	216.6	219.0	219.9	219.0	216.6	211.3	202.9	192.9
140°	195.6	204.3	212.6	217.7	220.4	220.7	220.4	217.7	212.6	204.3	195.6
142.5°	199.1	205.9	213.2	218.2	220.9	221.5	220.9	218.2	213.2	205.9	199.1
145°	205.3	209.3	214.3	219.0	221.4	222.0	221.4	219.0	214.3	209.3	205.3
147.5°	213.1	214.4	217.0	220.1	222.4	222.8	222.4	220.1	217.0	214.4	213.1
150°	219.0	218.7	219.7	221.7	223.7	223.4	223.7	221.7	219.7	218.7	219.0
152.5°	225.7	223.8	223.7	224.6	225.6	225.5	225.6	224.6	223.7	223.8	225.7
155°	237.1	233.4	231.4	230.7	230.7	230.4	230.7	230.7	231.4	233.4	237.1
157.5°	249.6	244.5	241.4	239.8	239.4	238.6	239.4	239.8	241.4	244.5	249.6
160°	258.2	252.5	249.5	246.8	245.8	244.8	245.8	246.8	249.5	252.5	258.2
162.5°	266.2	260.8	257.5	255.1	254.1	252.6	254.1	255.1	257.5	260.8	266.2
165°	279.3	273.6	269.9	267.9	266.6	265.2	266.6	267.9	269.9	273.6	279.3
167.5°	292.3	286.1	283.7	281.4	280.2	277.7	280.2	281.4	283.7	286.1	292.3
170°	300.4	294.7	293.4	291.3	289.0	286.3	289.0	291.3	293.4	294.7	300.4
172.5°	307.4	303.5	302.2	300.2	299.4	297.3	299.4	300.2	302.2	303.5	307.4
175°	317.5	314.5	314.5	314.1	313.1	311.1	313.1	314.1	314.5	314.5	317.5
177.5°	325.9	324.3	325.4	325.4	325.1	323.2	325.1	325.4	325.4	324.3	325.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1427685

CATALOG NUMBER: SQ2W-F-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1056.1	1056.1	1056.1	1056.1
2.5°	1058.7	1060.8	1055.8	1050.8
5°	1056.6	1059.0	1052.3	1045.7
7.5°	1048.4	1050.5	1043.9	1037.3
10°	1041.0	1043.3	1036.7	1030.1
12.5°	1032.5	1034.4	1027.8	1021.2
15°	1016.2	1018.0	1011.4	1004.8
17.5°	995.8	997.5	991.3	985.0
20°	981.5	983.3	977.3	971.4
22.5°	965.1	966.6	960.6	954.7
25°	937.4	938.6	932.7	926.7
27.5°	906.5	907.5	902.5	897.6
30°	884.8	886.1	881.1	876.2
32.5°	861.2	862.9	858.2	853.5
35°	824.3	826.1	822.1	818.1
37.5°	786.9	788.7	785.6	782.6
40°	761.1	763.0	759.7	756.4
42.5°	733.0	734.7	732.1	729.6
45°	691.0	692.6	690.3	688.0
47.5°	646.7	648.0	646.2	644.4
50°	616.3	617.5	615.2	612.9
52.5°	586.0	587.1	584.5	581.9
55°	539.2	540.0	537.0	534.0
57.5°	490.3	490.9	488.0	485.1
60°	457.4	458.2	455.6	453.0
62.5°	424.5	425.5	422.9	420.2
65°	374.1	375.0	372.7	370.4
67.5°	323.1	324.1	322.1	320.1
70°	288.8	289.6	287.6	285.6
72.5°	254.7	255.7	254.0	252.3
75°	203.0	203.5	202.6	201.6
77.5°	151.7	152.6	152.6	152.6
80°	119.7	120.5	120.5	120.5
82.5°	88.8	89.7	90.2	90.7
85°	46.1	47.0	47.7	48.3
87.5°	14.3	14.6	14.8	15.1
90°	6.0	3.7	2.3	1.0
92.5°	13.0	9.0	6.4	3.7
95°	26.1	20.8	14.7	10.4
97.5°	41.6	33.0	27.0	19.8
100°	49.9	41.5	35.8	28.1
102.5°	59.0	52.0	44.1	36.4
105°	75.3	66.6	57.6	48.9
107.5°	90.5	80.9	70.1	62.2
110°	100.1	89.7	78.4	71.3



TEST NUMBER: P1427685

CATALOG NUMBER: SQ2W-F-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	109.5	98.9	87.2	80.2
115°	122.2	110.5	99.8	93.8
117.5°	134.5	122.4	111.1	106.4
120°	142.0	129.9	118.9	115.2
122.5°	148.2	136.4	126.1	124.6
125°	157.4	145.3	136.6	138.6
127.5°	164.9	153.8	148.4	152.8
130°	169.4	159.7	156.4	162.8
132.5°	173.5	165.9	164.4	173.2
135°	179.5	175.1	176.5	188.5
137.5°	186.7	185.0	189.5	204.7
140°	191.2	192.2	198.6	215.7
142.5°	197.4	199.7	208.0	226.1
145°	207.0	212.0	222.7	240.8
147.5°	217.8	224.3	237.6	256.1
150°	225.0	233.4	247.5	265.2
152.5°	233.3	242.0	256.0	274.1
155°	246.1	255.8	270.6	286.0
157.5°	259.2	269.1	283.2	296.6
160°	267.2	277.9	290.7	303.1
162.5°	276.3	286.3	297.4	308.4
165°	289.7	297.7	306.7	316.1
167.5°	300.9	307.6	314.7	322.0
170°	308.1	313.4	319.5	325.2
172.5°	314.3	318.5	323.0	327.8
175°	322.5	324.8	327.5	330.5
177.5°	328.9	329.7	330.5	331.8
180°	331.5	331.5	331.5	331.5



TEST NUMBER: P1427685  
 CATALOG NUMBER: SQ2W-F-K-025U-075D-L935-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	19.78	20.95	20.49	21.68	22.53	19.70	20.87	20.40	21.59	22.44
	3H	21.60	22.65	22.31	23.38	24.27	21.49	22.55	22.21	23.28	24.16
	4H	22.31	23.30	23.04	24.04	24.94	22.19	23.18	22.92	23.93	24.83
	6H	22.76	23.68	23.51	24.43	25.34	22.62	23.54	23.36	24.29	25.20
	8H	22.93	23.80	23.68	24.58	25.49	22.77	23.65	23.53	24.42	25.33
	12H	23.02	23.86	23.79	24.62	25.57	22.85	23.68	23.61	24.45	25.39
4H	2H	20.40	21.39	21.14	22.14	23.03	20.33	21.33	21.07	22.07	22.97
	3H	22.45	23.28	23.20	24.06	24.98	22.36	23.19	23.11	23.97	24.88
	4H	23.28	24.03	24.04	24.81	25.76	23.17	23.92	23.93	24.70	25.65
	6H	23.85	24.50	24.63	25.31	26.26	23.71	24.36	24.49	25.17	26.12
	8H	24.07	24.68	24.86	25.48	26.45	23.91	24.52	24.70	25.32	26.29
	12H	24.20	24.75	25.00	25.57	26.54	24.01	24.56	24.82	25.39	26.36
8H	4H	23.55	24.16	24.33	24.96	25.92	23.45	24.06	24.23	24.86	25.83
	6H	24.25	24.76	25.06	25.60	26.57	24.12	24.63	24.93	25.47	26.43
	8H	24.56	25.01	25.38	25.85	26.83	24.40	24.85	25.23	25.69	26.68
	12H	24.75	25.15	25.58	25.98	27.02	24.56	24.96	25.39	25.79	26.83
12H	4H	23.56	24.11	24.36	24.93	25.90	23.46	24.01	24.27	24.84	25.81
	6H	24.30	24.76	25.13	25.59	26.58	24.18	24.63	25.00	25.47	26.45
	8H	24.65	25.05	25.48	25.88	26.92	24.50	24.90	25.33	25.73	26.77