

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: P1435796

Luminaire Tested: SQ2W-FA-K-075U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1435796  
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-075U-075D-L930-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 750 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

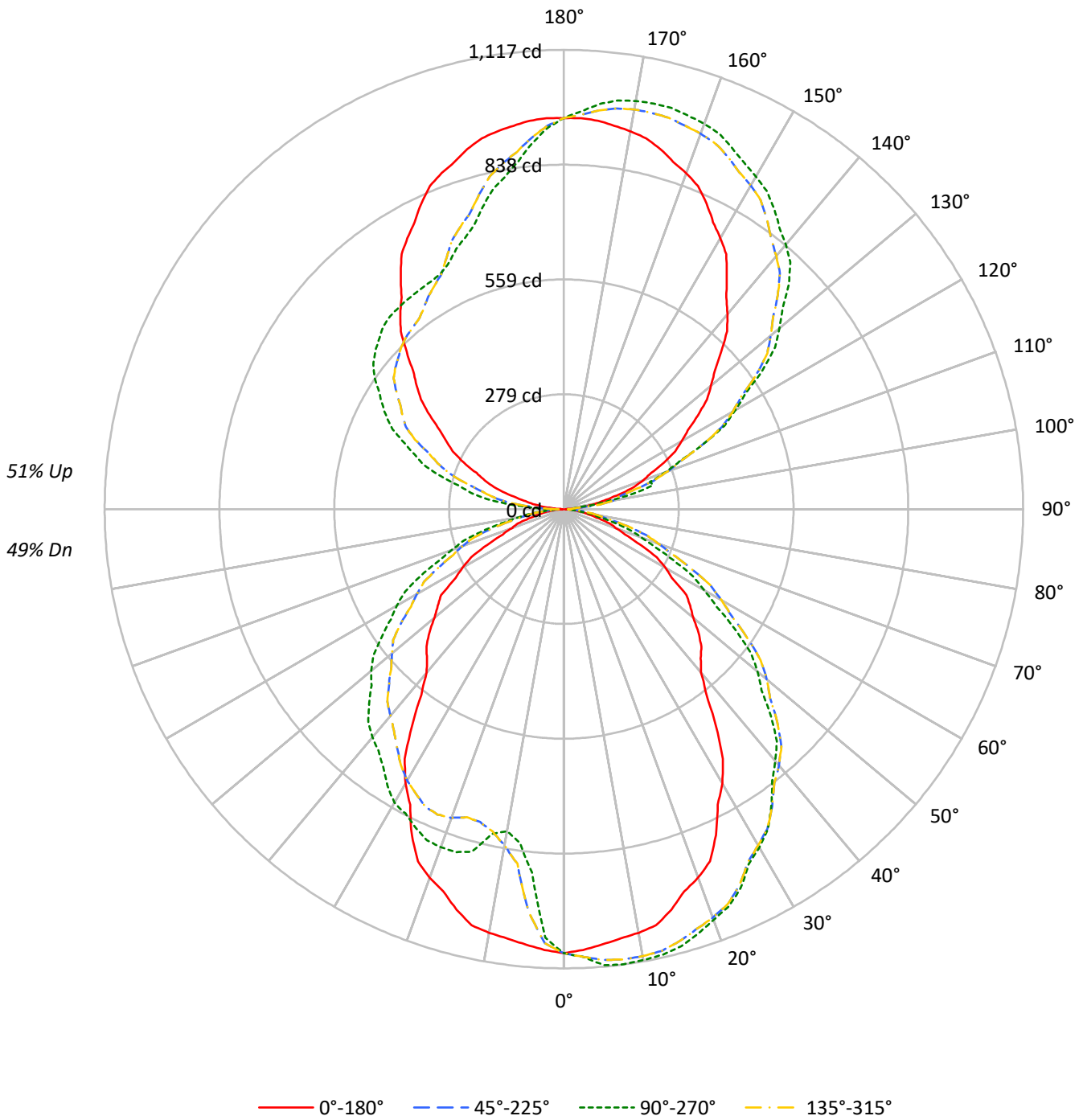
Lumens per Lamp: N/A  
Luminaire Lumens: 5463.4 lumens  
Efficiency: N/A  
Efficacy: 108.6 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 50.3  
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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55	49				49
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47				42	
2	89	82	76	70	82	75	70	66	64	60	57	53	50	48	43	41	40				35	
3	81	72	64	59	75	66	60	55	56	52	48	47	43	41	38	36	34				30	
4	74	63	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29				25	
5	68	57	48	42	63	52	45	40	45	39	35	38	33	30	31	28	25				22	
6	63	51	43	37	58	47	40	35	40	35	30	34	30	26	28	25	22				19	
7	58	46	38	32	53	43	35	30	36	31	27	31	26	23	26	22	20				17	
8	54	41	34	28	49	39	32	27	33	28	24	28	24	21	23	20	18				15	
9	50	38	30	25	46	35	29	24	30	25	21	26	22	19	22	18	16				14	
10	47	35	27	23	43	32	26	22	28	23	19	24	20	17	20	17	14				12	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	17437	17437	17437	17437
5°	17233	18047	17233	14384
10°	17157	18255	17157	13040
15°	16864	18403	16864	14413
20°	16398	18269	16398	15032
25°	15586	18121	15586	15214
30°	14359	17717	14359	15375
35°	12707	17327	12707	15100
40°	10941	16853	10941	15264
45°	10800	16248	10800	15294
50°	10303	15458	10303	15352
55°	10252	14257	10252	15200
60°	9193	12707	9193	15138
65°	7836	11194	7836	14712
70°	6326	9484	6326	13633
75°	5483	7835	5483	12532
80°	4668	5839	4668	10116
85°	3094	3094	3094	6206

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 16760 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.2	1.8
10°-20°	271.5	5.0
20°-30°	412.4	7.5
30°-40°	484.1	8.9
40°-50°	491.3	9.0
50°-60°	430.3	7.9
60°-70°	305.2	5.6
70°-80°	157.2	2.9
80°-90°	36.9	0.7
90°-100°	75.7	1.4
100°-110°	220.8	4.0
110°-120°	360.3	6.6
120°-130°	457.2	8.4
130°-140°	489.2	9.0
140°-150°	456.8	8.4
150°-160°	375.9	6.9
160°-170°	252.1	4.6
170°-180°	89.5	1.6
0°-30°	781.1	14.3
0°-40°	1265.2	23.2
0°-60°	2186.8	40.0
0°-90°	2686.1	49.2
90°-120°	656.7	12.0
90°-150°	2059.9	37.7
90°-180°	2777.0	50.8
0°-180°	5463.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1080	1080	1080	1080	1080	
5°	1063	1114	1063	888	1063	101
15°	1009	1101	1009	862	1009	283
25°	875	1017	875	854	875	399
35°	645	879	645	766	645	402
45°	473	712	473	670	473	362
55°	364	506	364	540	364	315
65°	205	293	205	385	205	205
75°	88	126	88	201	88	95
85°	17	17	17	34	17	21
90°	3	21	3	41	3	3
95°	30	22	30	130	30	36
105°	140	225	140	309	140	149
115°	269	373	269	459	269	265
125°	398	591	398	563	398	356
135°	541	773	541	624	541	418
145°	691	892	691	637	691	432
155°	820	968	820	661	820	377
165°	907	1010	907	761	907	255
175°	948	989	948	893	948	90
180°	951	951	951	951	951	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0
2.5°	1073.3	1080.8	1088.2	1090.1	1090.1	1090.1	1090.1	1090.1	1090.1	1090.1	1090.1
5°	1063.3	1076.3	1089.3	1095.4	1099.1	1101.9	1103.7	1106.1	1109.8	1113.5	1109.8
7.5°	1053.2	1070.7	1088.2	1096.8	1102.3	1106.8	1110.2	1113.1	1115.0	1116.9	1115.0
10°	1046.5	1067.0	1087.5	1096.8	1102.3	1106.1	1107.9	1109.8	1111.7	1113.5	1111.7
12.5°	1036.5	1058.4	1080.4	1091.2	1098.3	1102.7	1104.6	1106.4	1108.3	1110.2	1108.3
15°	1008.9	1038.6	1068.4	1080.0	1085.6	1090.3	1094.0	1097.2	1099.1	1101.0	1099.1
17.5°	974.5	1010.6	1046.7	1061.3	1068.8	1074.2	1077.5	1080.4	1081.9	1083.4	1081.9
20°	954.4	993.5	1032.6	1047.9	1055.4	1060.0	1061.9	1063.3	1063.3	1063.3	1063.3
22.5°	927.6	971.2	1014.7	1031.2	1038.6	1042.5	1042.9	1043.6	1045.0	1046.5	1045.0
25°	874.9	925.1	975.4	996.3	1007.5	1012.1	1010.3	1009.8	1013.5	1017.2	1013.5
27.5°	810.4	873.7	936.9	958.3	965.8	970.4	972.3	973.7	973.7	973.7	973.7
30°	770.2	840.9	911.6	934.9	942.3	947.0	948.9	950.3	950.3	950.3	950.3
32.5°	720.0	804.1	888.2	913.7	919.6	922.8	923.2	923.5	923.5	923.5	923.5
35°	644.7	747.0	849.3	877.7	881.4	883.3	883.3	882.8	880.9	879.1	880.9
37.5°	569.3	685.4	801.5	834.7	840.3	841.8	839.2	836.8	834.9	833.0	834.9
40°	519.1	645.6	772.1	807.9	813.5	813.5	807.9	803.3	801.4	799.6	801.4
42.5°	492.3	617.3	742.3	777.8	783.4	782.6	775.6	769.8	767.9	766.1	767.9
45°	473.0	584.7	696.3	728.4	734.0	733.0	725.6	719.1	715.4	711.6	715.4
47.5°	443.7	542.0	640.2	671.7	681.0	680.1	668.9	659.6	655.9	652.2	655.9
50°	410.2	507.0	603.7	634.9	644.2	643.3	632.1	622.8	619.1	615.4	619.1
52.5°	386.8	477.6	568.4	596.9	604.8	602.3	589.7	579.3	575.5	571.8	575.5
55°	364.2	440.5	516.8	540.0	545.6	541.9	528.8	517.7	512.1	506.5	512.1
57.5°	311.4	384.0	456.6	479.2	485.1	480.7	465.8	453.0	446.7	440.4	446.7
60°	284.7	349.8	414.9	436.8	444.2	440.5	425.6	412.1	402.8	393.5	402.8
62.5°	254.5	312.2	369.9	392.1	402.5	400.3	385.4	371.9	362.6	353.3	362.6
65°	205.1	255.4	305.6	327.9	340.9	340.0	325.1	311.6	302.3	293.0	302.3
67.5°	160.7	203.9	247.1	269.0	283.9	283.2	266.8	252.7	245.2	237.8	245.2
70°	134.0	171.2	208.4	228.8	243.7	243.7	228.8	215.8	208.4	200.9	208.4
72.5°	117.2	145.5	173.8	193.1	209.5	209.5	193.1	179.4	173.4	167.4	173.4
75°	87.9	104.7	121.4	139.5	158.1	160.0	145.1	133.0	129.3	125.6	129.3
77.5°	63.6	71.4	79.3	93.5	109.9	111.7	99.1	89.2	87.7	86.2	87.7
80°	50.2	52.1	54.0	65.6	80.5	82.3	71.2	62.8	62.8	62.8	62.8
82.5°	33.5	35.3	37.2	45.5	55.9	57.0	48.8	42.3	40.8	39.3	40.8
85°	16.7	16.7	16.7	19.5	23.3	23.3	19.5	16.7	16.7	16.7	16.7
87.5°	3.9	4.7	5.7	7.5	9.6	9.8	8.3	7.4	7.6	7.6	7.6
90°	2.9	6.7	11.5	15.4	18.3	19.2	19.2	20.2	21.1	21.1	21.1
92.5°	10.6	16.7	16.9	16.9	20.6	22.3	23.8	24.0	25.0	25.0	25.0
95°	29.8	32.7	49.0	48.0	32.7	25.9	22.1	22.1	22.1	22.1	22.1
97.5°	56.9	61.1	63.8	85.5	90.3	87.2	71.1	59.8	53.4	50.5	53.4
100°	80.7	82.6	88.4	89.4	113.4	136.4	124.9	110.5	105.7	102.8	105.7
102.5°	104.5	105.7	114.5	118.6	124.1	137.2	177.2	172.8	169.5	168.9	169.5
105°	140.3	141.2	157.6	165.3	169.1	169.1	168.1	187.4	218.1	224.8	218.1
107.5°	178.5	182.9	202.2	222.7	227.1	228.3	223.3	220.4	219.3	220.0	219.3
110°	204.7	211.4	234.4	260.4	267.1	269.0	267.1	264.2	262.3	262.3	262.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	230.0	239.8	266.0	295.7	307.1	312.8	308.6	306.5	304.6	306.1	304.6
115°	269.0	283.4	318.0	348.8	371.8	374.7	373.8	373.8	372.8	372.8	372.8
117.5°	305.2	328.2	367.0	402.8	429.5	437.2	441.0	439.9	438.7	440.6	438.7
120°	330.5	357.4	401.6	442.0	467.9	479.4	483.3	481.4	483.3	481.4	483.3
122.5°	357.4	390.5	433.9	475.8	506.3	519.4	524.0	524.4	524.8	523.6	524.8
125°	397.8	438.1	489.1	532.3	564.0	579.4	583.2	584.2	586.1	590.9	586.1
127.5°	438.5	484.2	540.2	581.9	614.3	633.0	638.9	641.0	645.1	647.2	645.1
130°	467.0	518.8	575.5	614.9	646.6	666.8	677.4	680.3	685.1	684.1	685.1
132.5°	496.9	551.1	608.6	649.5	678.9	700.6	709.7	717.9	719.6	721.0	719.6
135°	540.9	599.5	657.2	697.5	725.4	746.5	758.1	765.8	770.6	773.4	770.6
137.5°	587.2	649.1	704.5	740.4	768.5	786.7	799.8	807.8	812.8	815.1	812.8
140°	618.8	678.3	732.1	769.6	794.6	812.8	824.4	834.0	839.7	839.7	839.7
142.5°	648.7	707.5	759.8	797.3	819.2	835.9	848.2	855.5	862.0	862.0	862.0
145°	690.8	749.4	797.5	834.9	853.2	868.6	882.0	887.8	891.6	891.6	891.6
147.5°	734.8	786.7	830.5	866.5	881.8	899.9	910.5	915.1	919.9	917.8	919.9
150°	761.0	809.0	851.3	884.9	900.3	917.6	928.1	932.0	936.8	933.9	936.8
152.5°	786.3	832.1	870.5	901.8	914.9	932.2	944.3	948.1	951.4	949.3	951.4
155°	820.5	860.9	896.4	925.3	936.8	953.1	964.6	969.5	973.3	968.5	973.3
157.5°	851.1	885.9	916.8	943.3	955.6	969.6	980.4	986.4	990.2	988.1	990.2
160°	869.5	901.2	929.1	954.1	965.6	978.1	989.6	996.4	1000.2	997.3	1000.2
162.5°	884.9	913.5	939.9	962.5	972.5	983.5	997.3	1003.3	1007.1	1003.5	1007.1
165°	907.0	930.1	953.1	972.3	981.0	989.6	1004.0	1010.8	1013.7	1009.8	1013.7
167.5°	923.7	941.4	960.0	976.6	982.9	991.4	1005.8	1011.3	1015.0	1010.2	1015.0
170°	932.9	948.3	964.6	978.1	982.9	990.6	1005.0	1009.8	1012.7	1007.9	1012.7
172.5°	940.6	952.2	965.4	977.3	979.8	986.0	999.6	1004.4	1006.5	1002.5	1006.5
175°	948.3	955.0	964.6	972.3	971.4	975.2	986.7	990.6	994.4	988.7	994.4
177.5°	952.0	955.0	958.1	962.7	959.7	959.7	968.1	970.4	971.2	968.1	971.2
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0
2.5°	1090.1	1090.1	1090.1	1090.1	1090.1	1088.2	1080.8	1073.3	1073.3	1073.3	1067.7
5°	1106.1	1103.7	1101.9	1099.1	1095.4	1089.3	1076.3	1063.3	1057.7	1052.1	1028.4
7.5°	1113.1	1110.2	1106.8	1102.3	1096.8	1088.2	1070.7	1053.2	1028.3	1003.4	950.5
10°	1109.8	1107.9	1106.1	1102.3	1096.8	1087.5	1067.0	1046.5	996.3	946.1	895.8
12.5°	1106.4	1104.6	1102.7	1098.3	1091.2	1080.4	1058.4	1036.5	965.4	894.3	848.9
15°	1097.2	1094.0	1090.3	1085.6	1080.0	1068.4	1038.6	1008.9	928.9	848.9	810.7
17.5°	1080.4	1077.5	1074.2	1068.8	1061.3	1046.7	1010.6	974.5	890.8	807.1	782.5
20°	1063.3	1061.9	1060.0	1055.4	1047.9	1032.6	993.5	954.4	870.7	787.0	775.8
22.5°	1043.6	1042.9	1042.5	1038.6	1031.2	1014.7	971.2	927.6	845.4	763.2	763.6
25°	1009.8	1010.3	1012.1	1007.5	996.3	975.4	925.1	874.9	802.3	729.8	742.3
27.5°	973.7	972.3	970.4	965.8	958.3	936.9	873.7	810.4	753.1	695.8	716.7
30°	950.3	948.9	947.0	942.3	934.9	911.6	840.9	770.2	721.9	673.5	697.7
32.5°	923.5	923.2	922.8	919.6	913.7	888.2	804.1	720.0	685.0	650.1	675.4
35°	882.8	883.3	883.3	881.4	877.7	849.3	747.0	644.7	629.8	614.9	644.7
37.5°	836.8	839.2	841.8	840.3	834.7	801.5	685.4	569.3	574.2	579.0	615.1
40°	803.3	807.9	813.5	813.5	807.9	772.1	645.6	519.1	535.8	552.6	591.6
42.5°	769.8	775.6	782.6	783.4	777.8	742.3	617.3	492.3	510.5	528.8	569.3
45°	719.1	725.6	733.0	734.0	728.4	696.3	584.7	473.0	484.2	495.4	534.4
47.5°	659.6	668.9	680.1	681.0	671.7	640.2	542.0	443.7	451.9	460.1	500.1
50°	622.8	632.1	643.3	644.2	634.9	603.7	507.0	410.2	421.4	432.6	474.4
52.5°	579.3	589.7	602.3	604.8	596.9	568.4	477.6	386.8	393.5	400.2	445.4
55°	517.7	528.8	541.9	545.6	540.0	516.8	440.5	364.2	358.6	353.0	399.1
57.5°	453.0	465.8	480.7	485.1	479.2	456.6	384.0	311.4	306.6	301.8	351.6
60°	412.1	425.6	440.5	444.2	436.8	414.9	349.8	284.7	275.4	266.1	318.1
62.5°	371.9	385.4	400.3	402.5	392.1	369.9	312.2	254.5	248.2	241.9	292.5
65°	311.6	325.1	340.0	340.9	327.9	305.6	255.4	205.1	208.8	212.6	258.1
67.5°	252.7	266.8	283.2	283.9	269.0	247.1	203.9	160.7	173.0	185.3	226.3
70°	215.8	228.8	243.7	243.7	228.8	208.4	171.2	134.0	150.7	167.4	205.1
72.5°	179.4	193.1	209.5	209.5	193.1	173.8	145.5	117.2	134.0	150.7	181.7
75°	133.0	145.1	160.0	158.1	139.5	121.4	104.7	87.9	104.7	121.4	145.1
77.5°	89.2	99.1	111.7	109.9	93.5	79.3	71.4	63.6	77.4	91.2	107.7
80°	62.8	71.2	82.3	80.5	65.6	54.0	52.1	50.2	59.5	68.8	80.9
82.5°	42.3	48.8	57.0	55.9	45.5	37.2	35.3	33.5	41.3	49.1	57.5
85°	16.7	19.5	23.3	23.3	19.5	16.7	16.7	16.7	20.5	24.2	27.9
87.5°	7.4	8.3	9.8	9.6	7.5	5.7	4.7	3.9	6.2	8.4	10.2
90°	20.2	19.2	19.2	18.3	15.4	11.5	6.7	2.9	6.7	10.6	17.3
92.5°	24.0	23.8	22.3	20.6	16.9	16.9	16.7	10.6	18.3	25.9	37.3
95°	22.1	22.1	25.9	32.7	48.0	49.0	32.7	29.8	42.3	59.6	74.9
97.5°	59.8	71.1	87.2	90.3	85.5	63.8	61.1	56.9	77.4	94.5	119.3
100°	110.5	124.9	136.4	113.4	89.4	88.4	82.6	80.7	102.8	119.1	143.2
102.5°	172.8	177.2	137.2	124.1	118.6	114.5	105.7	104.5	126.6	149.1	169.3
105°	187.4	168.1	169.1	169.1	165.3	157.6	141.2	140.3	165.3	191.2	216.2
107.5°	220.4	223.3	228.3	227.1	222.7	202.2	182.9	178.5	201.0	232.1	259.6
110°	264.2	267.1	269.0	267.1	260.4	234.4	211.4	204.7	224.8	257.5	287.3



TEST NUMBER: P1435796

CATALOG NUMBER: SQ2W-FA-K-075U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	306.5	308.6	312.8	307.1	295.7	266.0	239.8	230.0	250.2	283.6	314.2
115°	373.8	373.8	374.7	371.8	348.8	318.0	283.4	269.0	286.3	317.1	350.7
117.5°	439.9	441.0	437.2	429.5	402.8	367.0	328.2	305.2	318.8	351.3	385.9
120°	481.4	483.3	479.4	467.9	442.0	401.6	357.4	330.5	341.1	372.8	407.4
122.5°	524.4	524.0	519.4	506.3	475.8	433.9	390.5	357.4	361.8	391.2	425.1
125°	584.2	583.2	579.4	564.0	532.3	489.1	438.1	397.8	392.0	417.0	451.6
127.5°	641.0	638.9	633.0	614.3	581.9	540.2	484.2	438.5	425.6	441.4	473.1
130°	680.3	677.4	666.8	646.6	614.9	575.5	518.8	467.0	448.7	458.3	486.2
132.5°	717.9	709.7	700.6	678.9	649.5	608.6	551.1	496.9	471.8	476.0	497.7
135°	765.8	758.1	746.5	725.4	697.5	657.2	599.5	540.9	506.3	502.5	515.0
137.5°	807.8	799.8	786.7	768.5	740.4	704.5	649.1	587.2	543.6	530.7	535.6
140°	834.0	824.4	812.8	794.6	769.6	732.1	678.3	618.8	569.8	551.5	548.6
142.5°	855.5	848.2	835.9	819.2	797.3	759.8	707.5	648.7	596.7	573.0	566.3
145°	887.8	882.0	868.6	853.2	834.9	797.5	749.4	690.8	638.9	608.2	593.8
147.5°	915.1	910.5	899.9	881.8	866.5	830.5	786.7	734.8	681.6	643.5	624.9
150°	932.0	928.1	917.6	900.3	884.9	851.3	809.0	761.0	710.0	669.7	645.7
152.5°	948.1	944.3	932.2	914.9	901.8	870.5	832.1	786.3	734.6	694.3	669.5
155°	969.5	964.6	953.1	936.8	925.3	896.4	860.9	820.5	776.3	734.1	706.2
157.5°	986.4	980.4	969.6	955.6	943.3	916.8	885.9	851.1	812.5	772.1	743.7
160°	996.4	989.6	978.1	965.6	954.1	929.1	901.2	869.5	834.0	797.5	766.7
162.5°	1003.3	997.3	983.5	972.5	962.5	939.9	913.5	884.9	853.2	821.3	792.9
165°	1010.8	1004.0	989.6	981.0	972.3	953.1	930.1	907.0	880.1	854.2	831.1
167.5°	1011.3	1005.8	991.4	982.9	976.6	960.0	941.4	923.7	902.8	882.4	863.2
170°	1009.8	1005.0	990.6	982.9	978.1	964.6	948.3	932.9	916.6	899.3	883.9
172.5°	1004.4	999.6	986.0	979.8	977.3	965.4	952.2	940.6	926.6	913.9	901.6
175°	990.6	986.7	975.2	971.4	972.3	964.6	955.0	948.3	939.7	932.0	925.3
177.5°	970.4	968.1	959.7	959.7	962.7	958.1	955.0	952.0	948.1	945.8	943.5
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1435796

CATALOG NUMBER: SQ2W-FA-K-075U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0
2.5°	1060.3	1054.3	1049.9	1046.2	1044.7	1043.2	1044.7	1046.2	1049.9	1054.3	1060.3
5°	998.6	967.0	933.5	906.1	896.8	887.5	896.8	906.1	933.5	967.0	998.6
7.5°	888.4	850.3	836.1	824.8	821.8	818.8	821.8	824.8	836.1	850.3	888.4
10°	845.6	814.9	803.7	795.4	795.4	795.4	795.4	795.4	803.7	814.9	845.6
12.5°	812.1	793.3	792.6	793.9	801.3	808.8	801.3	793.9	792.6	793.3	812.1
15°	786.5	789.3	819.1	843.7	853.0	862.3	853.0	843.7	819.1	789.3	786.5
17.5°	777.7	793.7	830.5	860.0	867.5	874.9	867.5	860.0	830.5	793.7	777.7
20°	788.9	809.3	837.2	860.0	867.5	874.9	867.5	860.0	837.2	809.3	788.9
22.5°	791.5	816.4	838.3	856.7	864.1	871.6	864.1	856.7	838.3	816.4	791.5
25°	783.3	813.0	831.6	846.5	850.3	854.0	850.3	846.5	831.6	813.0	783.3
27.5°	763.6	796.3	814.9	829.5	832.1	834.7	832.1	829.5	814.9	796.3	763.6
30°	746.1	779.6	798.2	813.5	819.1	824.7	819.1	813.5	798.2	779.6	746.1
32.5°	720.8	755.0	778.1	795.6	796.8	797.9	796.8	795.6	778.1	755.0	720.8
35°	689.3	724.7	750.7	769.8	767.9	766.1	767.9	769.8	750.7	724.7	689.3
37.5°	661.6	696.2	718.9	736.5	738.7	740.9	738.7	736.5	718.9	696.2	661.6
40°	638.2	673.5	697.7	716.8	720.5	724.2	720.5	716.8	697.7	673.5	638.2
42.5°	617.3	653.4	677.6	696.7	700.4	704.1	700.4	696.7	677.6	653.4	617.3
45°	582.8	620.0	646.1	666.1	667.9	669.8	667.9	666.1	646.1	620.0	582.8
47.5°	550.7	588.1	612.3	630.9	632.8	634.6	632.8	630.9	612.3	588.1	550.7
50°	526.5	564.7	588.8	607.5	609.3	611.2	609.3	607.5	588.8	564.7	526.5
52.5°	503.5	543.1	564.3	580.7	582.5	584.4	582.5	580.7	564.3	543.1	503.5
55°	462.3	504.2	524.7	540.0	540.0	540.0	540.0	540.0	524.7	504.2	462.3
57.5°	419.7	462.7	480.6	494.5	496.8	499.0	496.8	494.5	480.6	462.7	419.7
60°	390.7	434.4	449.3	461.4	465.1	468.8	465.1	461.4	449.3	434.4	390.7
62.5°	362.1	404.3	419.2	430.9	433.1	435.4	433.1	430.9	419.2	404.3	362.1
65°	317.7	354.9	369.8	381.4	383.3	385.1	383.3	381.4	369.8	354.9	317.7
67.5°	276.9	307.4	317.9	326.1	327.5	329.0	327.5	326.1	317.9	307.4	276.9
70°	249.8	275.8	283.3	288.8	288.8	288.8	288.8	288.8	283.3	275.8	249.8
72.5°	217.4	239.0	246.4	252.4	253.9	255.4	253.9	252.4	246.4	239.0	217.4
75°	171.2	187.0	192.6	197.2	199.1	200.9	199.1	197.2	192.6	187.0	171.2
77.5°	125.2	135.6	139.0	142.0	143.8	145.7	143.8	142.0	139.0	135.6	125.2
80°	94.0	101.4	103.3	105.1	107.0	108.8	107.0	105.1	103.3	101.4	94.0
82.5°	66.0	71.3	73.1	74.6	75.0	75.4	75.0	74.6	73.1	71.3	66.0
85°	31.6	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	31.6
87.5°	11.1	12.5	13.8	14.6	15.3	15.0	15.3	14.6	13.8	12.5	11.1
90°	22.1	28.8	35.5	39.4	43.2	41.3	43.2	39.4	35.5	28.8	22.1
92.5°	44.4	55.7	64.0	70.9	74.0	73.6	74.0	70.9	64.0	55.7	44.4
95°	89.4	102.8	116.3	125.9	131.6	129.7	131.6	125.9	116.3	102.8	89.4
97.5°	137.8	155.8	170.8	179.9	185.6	189.5	185.6	179.9	170.8	155.8	137.8
100°	170.1	187.4	204.7	215.2	224.8	228.7	224.8	215.2	204.7	187.4	170.1
102.5°	196.2	218.9	237.7	249.0	257.1	261.0	257.1	249.0	237.7	218.9	196.2
105°	239.2	263.3	283.4	297.8	306.5	309.4	306.5	297.8	283.4	263.3	239.2
107.5°	282.3	307.1	325.7	341.7	352.2	358.4	352.2	341.7	325.7	307.1	282.3
110°	316.1	336.3	356.5	370.9	381.4	385.3	381.4	370.9	356.5	336.3	316.1



TEST NUMBER: P1435796

CATALOG NUMBER: SQ2W-FA-K-075U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	344.5	367.0	387.2	401.6	413.7	419.1	413.7	401.6	387.2	367.0	344.5
115°	384.3	414.1	432.4	445.8	454.5	459.3	454.5	445.8	432.4	414.1	384.3
117.5°	417.4	448.5	468.5	478.9	482.9	486.4	482.9	478.9	468.5	448.5	417.4
120°	438.1	467.0	490.0	503.5	508.3	510.2	508.3	503.5	490.0	467.0	438.1
122.5°	457.3	484.6	506.9	523.4	531.3	533.2	531.3	523.4	506.9	484.6	457.3
125°	484.2	510.2	533.2	549.6	558.2	563.0	558.2	549.6	533.2	510.2	484.2
127.5°	507.7	535.7	556.9	571.7	580.1	584.0	580.1	571.7	556.9	535.7	507.7
130°	520.8	549.6	570.7	587.1	594.7	598.6	594.7	587.1	570.7	549.6	520.8
132.5°	530.7	561.1	583.0	597.8	606.3	610.1	606.3	597.8	583.0	561.1	530.7
135°	542.9	574.6	597.6	612.0	619.7	623.6	619.7	612.0	597.6	574.6	542.9
137.5°	553.4	582.2	606.3	621.4	628.4	630.9	628.4	621.4	606.3	582.2	553.4
140°	561.1	586.1	610.1	624.5	632.2	633.2	632.2	624.5	610.1	586.1	561.1
142.5°	571.1	590.7	611.6	626.1	633.7	635.5	633.7	626.1	611.6	590.7	571.1
145°	589.0	600.5	614.9	628.4	635.1	637.0	635.1	628.4	614.9	600.5	589.0
147.5°	611.5	615.1	622.6	631.4	638.0	639.3	638.0	631.4	622.6	615.1	611.5
150°	628.4	627.4	630.3	636.1	641.8	640.9	641.8	636.1	630.3	627.4	628.4
152.5°	647.6	642.0	641.8	644.5	647.2	647.0	647.2	644.5	641.8	642.0	647.6
155°	680.3	669.7	663.9	662.0	662.0	661.0	662.0	662.0	663.9	669.7	680.3
157.5°	716.2	701.4	692.7	688.1	686.8	684.7	686.8	688.1	692.7	701.4	716.2
160°	740.8	724.4	715.8	708.1	705.2	702.3	705.2	708.1	715.8	724.4	740.8
162.5°	763.8	748.3	738.9	731.9	729.1	724.6	729.1	731.9	738.9	748.3	763.8
165°	801.3	785.0	774.4	768.6	764.8	761.0	764.8	768.6	774.4	785.0	801.3
167.5°	838.8	820.9	814.0	807.5	803.8	796.9	803.8	807.5	814.0	820.9	838.8
170°	861.8	845.5	841.7	835.9	829.2	821.5	829.2	835.9	841.7	845.5	861.8
172.5°	881.8	870.9	867.0	861.3	859.2	853.0	859.2	861.3	867.0	870.9	881.8
175°	910.8	902.2	902.2	901.2	898.4	892.6	898.4	901.2	902.2	902.2	910.8
177.5°	935.1	930.4	933.5	933.5	932.8	927.4	932.8	933.5	933.5	930.4	935.1
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1435796

CATALOG NUMBER: SQ2W-FA-K-075U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1080.0	1080.0	1080.0	1080.0
2.5°	1067.7	1073.3	1073.3	1073.3
5°	1028.4	1052.1	1057.7	1063.3
7.5°	950.5	1003.4	1028.3	1053.2
10°	895.8	946.1	996.3	1046.5
12.5°	848.9	894.3	965.4	1036.5
15°	810.7	848.9	928.9	1008.9
17.5°	782.5	807.1	890.8	974.5
20°	775.8	787.0	870.7	954.4
22.5°	763.6	763.2	845.4	927.6
25°	742.3	729.8	802.3	874.9
27.5°	716.7	695.8	753.1	810.4
30°	697.7	673.5	721.9	770.2
32.5°	675.4	650.1	685.0	720.0
35°	644.7	614.9	629.8	644.7
37.5°	615.1	579.0	574.2	569.3
40°	591.6	552.6	535.8	519.1
42.5°	569.3	528.8	510.5	492.3
45°	534.4	495.4	484.2	473.0
47.5°	500.1	460.1	451.9	443.7
50°	474.4	432.6	421.4	410.2
52.5°	445.4	400.2	393.5	386.8
55°	399.1	353.0	358.6	364.2
57.5°	351.6	301.8	306.6	311.4
60°	318.1	266.1	275.4	284.7
62.5°	292.5	241.9	248.2	254.5
65°	258.1	212.6	208.8	205.1
67.5°	226.3	185.3	173.0	160.7
70°	205.1	167.4	150.7	134.0
72.5°	181.7	150.7	134.0	117.2
75°	145.1	121.4	104.7	87.9
77.5°	107.7	91.2	77.4	63.6
80°	80.9	68.8	59.5	50.2
82.5°	57.5	49.1	41.3	33.5
85°	27.9	24.2	20.5	16.7
87.5°	10.2	8.4	6.2	3.9
90°	17.3	10.6	6.7	2.9
92.5°	37.3	25.9	18.3	10.6
95°	74.9	59.6	42.3	29.8
97.5°	119.3	94.5	77.4	56.9
100°	143.2	119.1	102.8	80.7
102.5°	169.3	149.1	126.6	104.5
105°	216.2	191.2	165.3	140.3
107.5°	259.6	232.1	201.0	178.5
110°	287.3	257.5	224.8	204.7

TEST NUMBER: P1435796

CATALOG NUMBER: SQ2W-FA-K-075U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	314.2	283.6	250.2	230.0
115°	350.7	317.1	286.3	269.0
117.5°	385.9	351.3	318.8	305.2
120°	407.4	372.8	341.1	330.5
122.5°	425.1	391.2	361.8	357.4
125°	451.6	417.0	392.0	397.8
127.5°	473.1	441.4	425.6	438.5
130°	486.2	458.3	448.7	467.0
132.5°	497.7	476.0	471.8	496.9
135°	515.0	502.5	506.3	540.9
137.5°	535.6	530.7	543.6	587.2
140°	548.6	551.5	569.8	618.8
142.5°	566.3	573.0	596.7	648.7
145°	593.8	608.2	638.9	690.8
147.5°	624.9	643.5	681.6	734.8
150°	645.7	669.7	710.0	761.0
152.5°	669.5	694.3	734.6	786.3
155°	706.2	734.1	776.3	820.5
157.5°	743.7	772.1	812.5	851.1
160°	766.7	797.5	834.0	869.5
162.5°	792.9	821.3	853.2	884.9
165°	831.1	854.2	880.1	907.0
167.5°	863.2	882.4	902.8	923.7
170°	883.9	899.3	916.6	932.9
172.5°	901.6	913.9	926.6	940.6
175°	925.3	932.0	939.7	948.3
177.5°	943.5	945.8	948.1	952.0
180°	951.2	951.2	951.2	951.2



TEST NUMBER: P1435796  
 CATALOG NUMBER: SQ2W-FA-K-075U-075D-L930-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	16.23	17.08	17.20	18.06	19.35	17.43	18.28	18.39	19.26	20.54
	3H	17.32	18.08	18.29	19.07	20.38	18.67	19.44	19.65	20.42	21.73
	4H	17.67	18.39	18.66	19.39	20.70	19.06	19.78	20.05	20.78	22.09
	6H	17.83	18.50	18.83	19.49	20.82	19.22	19.89	20.22	20.88	22.21
	8H	17.87	18.50	18.87	19.51	20.84	19.25	19.88	20.25	20.89	22.22
	12H	17.86	18.46	18.87	19.47	20.82	19.23	19.83	20.24	20.84	22.19
4H	2H	17.10	17.82	18.09	18.81	20.13	18.01	18.73	19.01	19.73	21.04
	3H	18.49	19.09	19.49	20.11	21.44	19.47	20.08	20.48	21.10	22.43
	4H	18.94	19.49	19.95	20.50	21.85	19.95	20.50	20.96	21.51	22.86
	6H	19.17	19.64	20.19	20.68	22.03	20.17	20.65	21.20	21.68	23.03
	8H	19.23	19.67	20.25	20.70	22.06	20.22	20.66	21.24	21.69	23.05
	12H	19.23	19.63	20.27	20.67	22.04	20.21	20.61	21.25	21.65	23.02
8H	4H	19.32	19.76	20.35	20.79	22.16	20.14	20.59	21.17	21.62	22.98
	6H	19.67	20.04	20.72	21.11	22.47	20.46	20.82	21.51	21.90	23.26
	8H	19.79	20.11	20.85	21.17	22.55	20.55	20.88	21.61	21.93	23.31
	12H	19.83	20.11	20.89	21.16	22.58	20.57	20.85	21.63	21.90	23.32
12H	4H	19.33	19.72	20.37	20.77	22.14	20.11	20.51	21.16	21.56	22.93
	6H	19.74	20.06	20.80	21.12	22.50	20.48	20.80	21.53	21.86	23.23
	8H	19.89	20.17	20.95	21.22	22.64	20.59	20.87	21.65	21.92	23.35