

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: P1428398

Luminaire Tested: SQ2W-PW1-K-075U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428398  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PW1-K-075U-050D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE WAVES LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

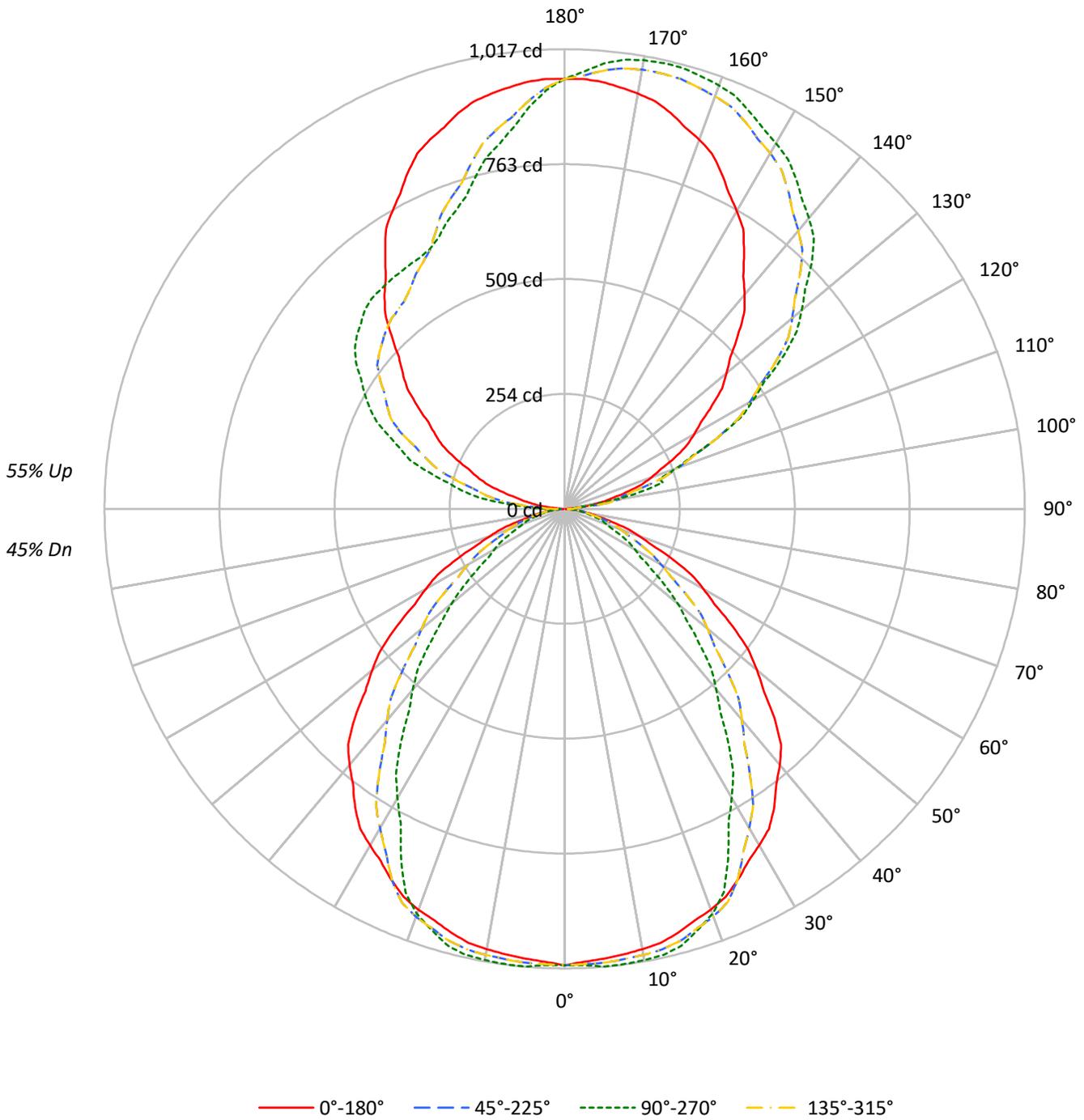
Lumens per Lamp: N/A  
Luminaire Lumens: 5022.2 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 41.4  
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

TEST NUMBER: P1428398

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L930-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1428398

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L930-UNV-STD-W-WM-4

**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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	89	82	76	71	81	75	70	66	63	59	56	52	49	47	41	40	38	33
3	81	72	65	60	74	67	61	56	56	52	48	46	43	40	37	35	33	29
4	75	64	57	51	68	59	53	48	50	45	41	41	38	35	33	31	29	25
5	69	57	50	44	63	53	46	41	45	40	36	37	34	31	30	28	25	22
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	25	22	20	18
8	54	43	35	30	50	40	33	28	34	29	25	28	24	21	23	20	18	16
9	51	39	32	27	47	36	30	25	31	26	22	26	22	19	22	19	17	14
10	47	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13

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

	0°	90°	180°	270°
0°	16305	16305	16305	16305
5°	16196	16476	16196	16476
10°	16226	16619	16226	16619
15°	16222	16720	16222	16720
20°	16228	16393	16228	16393
25°	16140	15232	16140	15232
30°	16031	13772	16031	13772
35°	15906	12435	15906	12435
40°	15588	10987	15588	10987
45°	14979	9597	14979	9597
50°	13940	8214	13940	8214
55°	12751	6660	12751	6660
60°	11428	5745	11428	5745
65°	9994	5108	9994	5108
70°	8171	4631	8171	4631
75°	6363	4261	6363	4261
80°	4742	3756	4742	3756
85°	3205	2130	3205	2130

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14979 cd/sqm



TEST NUMBER: P1428398

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L930-UNV-STD-W-WM-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.2	1.9
10°-20°	278.6	5.5
20°-30°	410.0	8.2
30°-40°	448.3	8.9
40°-50°	402.2	8.0
50°-60°	300.0	6.0
60°-70°	189.6	3.8
70°-80°	93.9	1.9
80°-90°	25.9	0.5
90°-100°	75.7	1.5
100°-110°	220.8	4.4
110°-120°	360.3	7.2
120°-130°	457.2	9.1
130°-140°	489.2	9.7
140°-150°	456.8	9.1
150°-160°	375.9	7.5
160°-170°	252.1	5.0
170°-180°	89.5	1.8
0°-30°	784.8	15.6
0°-40°	1233.2	24.6
0°-60°	1935.4	38.5
0°-90°	2244.8	44.7
90°-120°	656.7	13.1
90°-150°	2059.9	41.0
90°-180°	2777.0	55.3
0°-180°	5022.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1010	1010	1010	1010	1010	
5°	999	1017	999	1017	999	95
15°	970	1000	970	1000	970	274
25°	906	855	906	855	906	417
35°	807	631	807	631	807	503
45°	656	420	656	420	656	503
55°	453	237	453	237	453	405
65°	262	134	262	134	262	259
75°	102	68	102	68	102	112
85°	17	12	17	12	17	22
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	



TEST NUMBER: P1428398

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9
2.5°	1003.0	1008.8	1014.6	1013.2	1009.5	1007.8	1008.1	1008.6	1009.6	1010.7	1009.6
5°	999.3	1006.6	1013.9	1012.8	1008.9	1007.2	1007.7	1008.9	1012.8	1016.6	1012.8
7.5°	994.3	1001.7	1009.0	1008.7	1005.8	1005.0	1006.5	1008.5	1012.3	1016.1	1012.3
10°	989.7	997.4	1005.1	1005.1	1002.5	1002.3	1004.4	1006.9	1010.3	1013.7	1010.3
12.5°	983.5	991.6	999.6	1000.2	998.3	998.6	1001.1	1003.8	1007.2	1010.7	1007.2
15°	970.5	979.0	987.6	989.4	989.0	990.2	993.2	996.0	998.1	1000.3	998.1
17.5°	955.3	963.8	972.4	974.1	973.5	973.5	974.3	975.1	976.2	977.2	976.2
20°	944.5	953.0	961.6	962.8	961.5	959.4	956.4	954.1	954.1	954.1	954.1
22.5°	929.1	938.3	947.6	947.6	944.6	939.1	931.0	924.2	921.5	918.7	921.5
25°	906.0	915.0	924.0	919.8	911.3	898.6	882.0	867.9	861.5	855.0	861.5
27.5°	879.1	886.4	893.6	882.7	865.8	845.5	821.8	801.8	793.0	784.1	793.0
30°	859.9	865.4	871.0	853.8	829.0	803.5	777.5	755.8	747.2	738.7	747.2
32.5°	839.9	842.0	844.1	821.4	790.5	761.5	734.4	711.7	702.5	693.3	702.5
35°	807.0	803.1	799.3	769.1	730.2	697.1	669.7	647.2	639.1	630.9	639.1
37.5°	768.1	756.6	745.2	711.2	669.8	634.7	606.1	582.3	573.4	564.4	573.4
40°	739.6	723.4	707.1	670.7	627.5	591.6	563.0	539.3	530.3	521.3	530.3
42.5°	708.1	687.7	667.4	629.9	586.7	550.8	522.2	498.4	489.1	479.8	489.1
45°	656.0	632.0	608.1	569.1	525.0	489.1	461.3	438.3	429.3	420.3	429.3
47.5°	597.3	573.5	549.7	510.8	466.9	431.5	404.5	382.4	374.7	367.0	374.7
50°	555.0	531.9	508.8	471.6	429.7	395.3	368.4	345.8	336.4	327.0	336.4
52.5°	511.9	491.2	470.5	434.7	393.8	359.6	332.0	308.0	295.2	282.4	295.2
55°	453.0	433.3	413.7	379.9	341.4	306.8	276.0	251.1	243.9	236.6	243.9
57.5°	392.4	375.4	358.4	328.0	293.2	261.9	233.9	211.4	205.5	199.5	205.5
60°	353.9	339.0	324.0	295.0	261.2	232.5	209.0	189.9	183.9	177.9	183.9
62.5°	317.0	303.8	290.5	262.6	229.9	204.2	185.4	170.2	165.2	160.2	165.2
65°	261.6	251.8	241.9	219.0	191.6	170.2	154.9	142.2	138.0	133.7	138.0
67.5°	207.8	202.3	196.8	179.6	158.5	141.2	127.7	116.8	114.0	111.2	114.0
70°	173.1	171.4	169.7	155.5	137.1	122.4	111.2	102.4	100.2	98.1	100.2
72.5°	143.1	143.8	144.5	132.7	116.7	104.3	95.6	88.7	87.2	85.8	87.2
75°	102.0	105.4	108.8	101.0	89.4	80.7	74.7	70.0	69.1	68.3	69.1
77.5°	69.4	74.6	79.7	74.6	66.2	59.7	55.3	51.8	51.1	50.4	51.1
80°	51.0	56.1	61.2	57.7	51.3	46.4	43.0	40.4	40.4	40.4	40.4
82.5°	35.6	39.7	43.8	41.3	36.6	33.4	31.7	30.4	30.4	30.4	30.4
85°	17.3	19.4	21.6	20.8	19.1	17.0	14.4	12.4	12.0	11.5	12.0
87.5°	5.2	7.0	9.0	8.7	7.6	6.8	6.4	6.3	6.5	6.5	6.5
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



TEST NUMBER: P1428398

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L930-UNV-STD-W-WM-4

**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



TEST NUMBER: P1428398

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9
2.5°	1008.6	1008.1	1007.8	1009.5	1013.2	1014.6	1008.8	1003.0	1008.8	1014.6	1013.2
5°	1008.9	1007.7	1007.2	1008.9	1012.8	1013.9	1006.6	999.3	1006.6	1013.9	1012.8
7.5°	1008.5	1006.5	1005.0	1005.8	1008.7	1009.0	1001.7	994.3	1001.7	1009.0	1008.7
10°	1006.9	1004.4	1002.3	1002.5	1005.1	1005.1	997.4	989.7	997.4	1005.1	1005.1
12.5°	1003.8	1001.1	998.6	998.3	1000.2	999.6	991.6	983.5	991.6	999.6	1000.2
15°	996.0	993.2	990.2	989.0	989.4	987.6	979.0	970.5	979.0	987.6	989.4
17.5°	975.1	974.3	973.5	973.5	974.1	972.4	963.8	955.3	963.8	972.4	974.1
20°	954.1	956.4	959.4	961.5	962.8	961.6	953.0	944.5	953.0	961.6	962.8
22.5°	924.2	931.0	939.1	944.6	947.6	947.6	938.3	929.1	938.3	947.6	947.6
25°	867.9	882.0	898.6	911.3	919.8	924.0	915.0	906.0	915.0	924.0	919.8
27.5°	801.8	821.8	845.5	865.8	882.7	893.6	886.4	879.1	886.4	893.6	882.7
30°	755.8	777.5	803.5	829.0	853.8	871.0	865.4	859.9	865.4	871.0	853.8
32.5°	711.7	734.4	761.5	790.5	821.4	844.1	842.0	839.9	842.0	844.1	821.4
35°	647.2	669.7	697.1	730.2	769.1	799.3	803.1	807.0	803.1	799.3	769.1
37.5°	582.3	606.1	634.7	669.8	711.2	745.2	756.6	768.1	756.6	745.2	711.2
40°	539.3	563.0	591.6	627.5	670.7	707.1	723.4	739.6	723.4	707.1	670.7
42.5°	498.4	522.2	550.8	586.7	629.9	667.4	687.7	708.1	687.7	667.4	629.9
45°	438.3	461.3	489.1	525.0	569.1	608.1	632.0	656.0	632.0	608.1	569.1
47.5°	382.4	404.5	431.5	466.9	510.8	549.7	573.5	597.3	573.5	549.7	510.8
50°	345.8	368.4	395.3	429.7	471.6	508.8	531.9	555.0	531.9	508.8	471.6
52.5°	308.0	332.0	359.6	393.8	434.7	470.5	491.2	511.9	491.2	470.5	434.7
55°	251.1	276.0	306.8	341.4	379.9	413.7	433.3	453.0	433.3	413.7	379.9
57.5°	211.4	233.9	261.9	293.2	328.0	358.4	375.4	392.4	375.4	358.4	328.0
60°	189.9	209.0	232.5	261.2	295.0	324.0	339.0	353.9	339.0	324.0	295.0
62.5°	170.2	185.4	204.2	229.9	262.6	290.5	303.8	317.0	303.8	290.5	262.6
65°	142.2	154.9	170.2	191.6	219.0	241.9	251.8	261.6	251.8	241.9	219.0
67.5°	116.8	127.7	141.2	158.5	179.6	196.8	202.3	207.8	202.3	196.8	179.6
70°	102.4	111.2	122.4	137.1	155.5	169.7	171.4	173.1	171.4	169.7	155.5
72.5°	88.7	95.6	104.3	116.7	132.7	144.5	143.8	143.1	143.8	144.5	132.7
75°	70.0	74.7	80.7	89.4	101.0	108.8	105.4	102.0	105.4	108.8	101.0
77.5°	51.8	55.3	59.7	66.2	74.6	79.7	74.6	69.4	74.6	79.7	74.6
80°	40.4	43.0	46.4	51.3	57.7	61.2	56.1	51.0	56.1	61.2	57.7
82.5°	30.4	31.7	33.4	36.6	41.3	43.8	39.7	35.6	39.7	43.8	41.3
85°	12.4	14.4	17.0	19.1	20.8	21.6	19.4	17.3	19.4	21.6	20.8
87.5°	6.3	6.4	6.8	7.6	8.7	9.0	7.0	5.2	7.0	8.8	9.1
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: P1428398

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-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: P1428398

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9
2.5°	1009.5	1007.8	1008.1	1008.6	1009.6	1010.7	1009.6	1008.6	1008.1	1007.8	1009.5
5°	1008.9	1007.2	1007.7	1008.9	1012.8	1016.6	1012.8	1008.9	1007.7	1007.2	1008.9
7.5°	1005.8	1005.0	1006.5	1008.5	1012.3	1016.1	1012.3	1008.5	1006.5	1005.0	1005.8
10°	1002.5	1002.3	1004.4	1006.9	1010.3	1013.7	1010.3	1006.9	1004.4	1002.3	1002.5
12.5°	998.3	998.6	1001.1	1003.8	1007.2	1010.7	1007.2	1003.8	1001.1	998.6	998.3
15°	989.0	990.2	993.2	996.0	998.1	1000.3	998.1	996.0	993.2	990.2	989.0
17.5°	973.5	973.5	974.3	975.1	976.2	977.2	976.2	975.1	974.3	973.5	973.5
20°	961.5	959.4	956.4	954.1	954.1	954.1	954.1	954.1	956.4	959.4	961.5
22.5°	944.6	939.1	931.0	924.2	921.5	918.7	921.5	924.2	931.0	939.1	944.6
25°	911.3	898.6	882.0	867.9	861.5	855.0	861.5	867.9	882.0	898.6	911.3
27.5°	865.8	845.5	821.8	801.8	793.0	784.1	793.0	801.8	821.8	845.5	865.8
30°	829.0	803.5	777.5	755.8	747.2	738.7	747.2	755.8	777.5	803.5	829.0
32.5°	790.5	761.5	734.4	711.7	702.5	693.3	702.5	711.7	734.4	761.5	790.5
35°	730.2	697.1	669.7	647.2	639.1	630.9	639.1	647.2	669.7	697.1	730.2
37.5°	669.8	634.7	606.1	582.3	573.4	564.4	573.4	582.3	606.1	634.7	669.8
40°	627.5	591.6	563.0	539.3	530.3	521.3	530.3	539.3	563.0	591.6	627.5
42.5°	586.7	550.8	522.2	498.4	489.1	479.8	489.1	498.4	522.2	550.8	586.7
45°	525.0	489.1	461.3	438.3	429.3	420.3	429.3	438.3	461.3	489.1	525.0
47.5°	466.9	431.5	404.5	382.4	374.7	367.0	374.7	382.4	404.5	431.5	466.9
50°	429.7	395.3	368.4	345.8	336.4	327.0	336.4	345.8	368.4	395.3	429.7
52.5°	393.8	359.6	332.0	308.0	295.2	282.4	295.2	308.0	332.0	359.6	393.8
55°	341.4	306.8	276.0	251.1	243.9	236.6	243.9	251.1	276.0	306.8	341.4
57.5°	293.2	261.9	233.9	211.4	205.5	199.5	205.5	211.4	233.9	261.9	293.2
60°	261.2	232.5	209.0	189.9	183.9	177.9	183.9	189.9	209.0	232.5	261.2
62.5°	229.9	204.2	185.4	170.2	165.2	160.2	165.2	170.2	185.4	204.2	229.9
65°	191.6	170.2	154.9	142.2	138.0	133.7	138.0	142.2	154.9	170.2	191.6
67.5°	158.5	141.2	127.7	116.8	114.0	111.2	114.0	116.8	127.7	141.2	158.5
70°	137.1	122.4	111.2	102.4	100.2	98.1	100.2	102.4	111.2	122.4	137.1
72.5°	116.7	104.3	95.6	88.7	87.2	85.8	87.2	88.7	95.6	104.3	116.7
75°	89.4	80.7	74.7	70.0	69.1	68.3	69.1	70.0	74.7	80.7	89.4
77.5°	66.2	59.7	55.3	51.8	51.1	50.4	51.1	51.8	55.3	59.7	66.2
80°	51.3	46.4	43.0	40.4	40.4	40.4	40.4	40.4	43.0	46.4	51.3
82.5°	36.6	33.4	31.7	30.4	30.4	30.4	30.4	30.4	31.7	33.4	36.6
85°	19.1	17.0	14.4	12.4	12.0	11.5	12.0	12.4	14.4	17.0	19.1
87.5°	8.4	8.7	9.7	10.2	11.0	10.6	11.0	10.2	9.7	8.7	8.4
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: P1428398

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-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: P1428398

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1009.9	1009.9	1009.9	1009.9
2.5°	1013.2	1014.6	1008.8	1003.0
5°	1012.8	1013.9	1006.6	999.3
7.5°	1008.7	1009.0	1001.7	994.3
10°	1005.1	1005.1	997.4	989.7
12.5°	1000.2	999.6	991.6	983.5
15°	989.4	987.6	979.0	970.5
17.5°	974.1	972.4	963.8	955.3
20°	962.8	961.6	953.0	944.5
22.5°	947.6	947.6	938.3	929.1
25°	919.8	924.0	915.0	906.0
27.5°	882.7	893.6	886.4	879.1
30°	853.8	871.0	865.4	859.9
32.5°	821.4	844.1	842.0	839.9
35°	769.1	799.3	803.1	807.0
37.5°	711.2	745.2	756.6	768.1
40°	670.7	707.1	723.4	739.6
42.5°	629.9	667.4	687.7	708.1
45°	569.1	608.1	632.0	656.0
47.5°	510.8	549.7	573.5	597.3
50°	471.6	508.8	531.9	555.0
52.5°	434.7	470.5	491.2	511.9
55°	379.9	413.7	433.3	453.0
57.5°	328.0	358.4	375.4	392.4
60°	295.0	324.0	339.0	353.9
62.5°	262.6	290.5	303.8	317.0
65°	219.0	241.9	251.8	261.6
67.5°	179.6	196.8	202.3	207.8
70°	155.5	169.7	171.4	173.1
72.5°	132.7	144.5	143.8	143.1
75°	101.0	108.8	105.4	102.0
77.5°	74.6	79.7	74.6	69.4
80°	57.7	61.2	56.1	51.0
82.5°	41.3	43.8	39.7	35.6
85°	20.8	21.6	19.4	17.3
87.5°	9.1	8.8	7.0	5.2
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: P1428398

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-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: P1428398  
 CATALOG NUMBER: SQ2W-PW1-K-075U-050D-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	16.09	16.88	17.10	17.89	19.24	12.34	13.12	13.35	14.14	15.49
	3H	17.39	18.09	18.41	19.11	20.48	13.61	14.31	14.62	15.33	16.70
	4H	17.80	18.46	18.83	19.48	20.86	14.11	14.77	15.14	15.79	17.17
	6H	17.97	18.58	19.01	19.61	21.00	14.41	15.02	15.45	16.05	17.44
	8H	18.01	18.59	19.06	19.64	21.02	14.52	15.10	15.57	16.15	17.53
	12H	18.01	18.56	19.06	19.60	21.01	14.55	15.10	15.60	16.14	17.55
4H	2H	16.22	16.88	17.25	17.90	19.28	13.14	13.80	14.18	14.83	16.21
	3H	17.75	18.30	18.79	19.35	20.74	14.58	15.13	15.63	16.18	17.57
	4H	18.29	18.80	19.34	19.84	21.25	15.16	15.66	16.21	16.70	18.12
	6H	18.60	19.03	19.66	20.10	21.51	15.54	15.97	16.60	17.04	18.44
	8H	18.69	19.09	19.75	20.15	21.57	15.69	16.09	16.75	17.15	18.57
	12H	18.71	19.07	19.79	20.15	21.57	15.73	16.09	16.81	17.16	18.59
8H	4H	18.32	18.73	19.39	19.79	21.21	15.49	15.90	16.56	16.96	18.38
	6H	18.74	19.08	19.83	20.18	21.60	15.99	16.32	17.07	17.42	18.84
	8H	18.91	19.21	20.01	20.29	21.73	16.20	16.50	17.30	17.58	19.02
	12H	18.99	19.25	20.08	20.33	21.81	16.28	16.54	17.38	17.62	19.10
12H	4H	18.28	18.64	19.36	19.72	21.15	15.51	15.87	16.59	16.95	18.38
	6H	18.74	19.03	19.83	20.12	21.55	16.06	16.35	17.15	17.44	18.88
	8H	18.92	19.18	20.02	20.26	21.74	16.30	16.56	17.40	17.64	19.12