

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: P1428254

Luminaire Tested: SQ2W-PR1-K-100U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428254
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-100U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

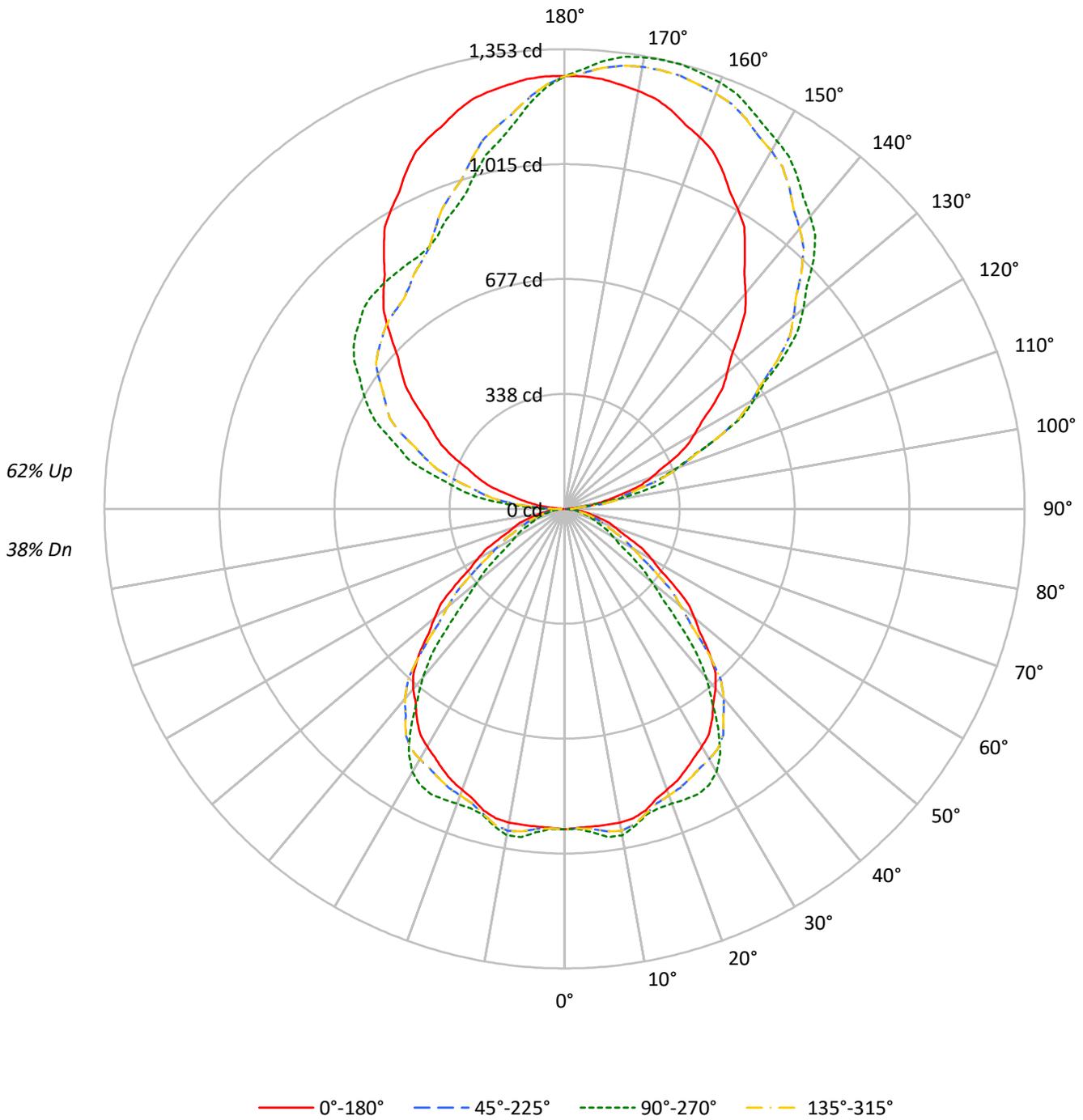
Lumens per Lamp: N/A
Luminaire Lumens: 5993.8 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 50.9
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: P1428254

CATALOG NUMBER: SQ2W-PR1-K-100U-050D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428254

CATALOG NUMBER: SQ2W-PR1-K-100U-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	50	30	10	0	
RCR																						
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38				
1	96	91	88	85	87	83	80	77	68	66	64	54	52	51	41	40	39	33				
2	87	80	75	70	79	73	68	64	60	56	53	48	45	43	36	35	33	28				
3	80	71	64	59	72	65	59	54	53	49	45	42	40	37	32	31	29	24				
4	73	63	56	50	66	58	51	46	47	43	39	38	35	32	29	27	25	21				
5	67	56	49	43	61	52	45	40	43	38	34	34	31	28	26	24	22	19				
6	62	50	43	37	56	46	40	35	38	33	30	31	27	25	24	22	20	17				
7	57	46	38	33	52	42	35	30	35	30	26	28	25	22	22	20	18	15				
8	53	41	34	29	48	38	31	27	32	27	23	26	22	19	20	18	16	13				
9	49	38	31	26	45	35	28	24	29	24	21	24	20	17	19	16	14	12				
10	46	35	28	23	42	32	26	21	27	22	19	22	18	16	17	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15233	15233	15233	15233
5°	15214	15494	15214	15494
10°	15375	16004	15375	16004
15°	15370	15578	15370	15578
20°	15122	15864	15122	15864
25°	15078	16518	15078	16518
30°	15062	16676	15062	16676
35°	14919	15526	14919	15526
40°	14574	13664	14574	13664
45°	13791	10805	13791	10805
50°	12539	8382	12539	8382
55°	11020	6525	11020	6525
60°	9536	5373	9536	5373
65°	8229	4703	8229	4703
70°	7402	4178	7402	4178
75°	6781	3843	6781	3843
80°	5904	3756	5904	3756
85°	4279	1778	4279	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14807 cd/sqm



TEST NUMBER: P1428254

CATALOG NUMBER: SQ2W-PR1-K-100U-050D-L930-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	1.5
10°-20°	263.8	4.4
20°-30°	407.8	6.8
30°-40°	490.4	8.2
40°-50°	440.3	7.3
50°-60°	295.1	4.9
60°-70°	171.6	2.9
70°-80°	88.2	1.5
80°-90°	27.0	0.5
90°-100°	101.4	1.7
100°-110°	295.6	4.9
110°-120°	482.4	8.0
120°-130°	612.1	10.2
130°-140°	655.0	10.9
140°-150°	611.6	10.2
150°-160°	503.3	8.4
160°-170°	337.5	5.6
170°-180°	119.8	2.0
0°-30°	762.7	12.7
0°-40°	1253.0	20.9
0°-60°	1988.4	33.2
0°-90°	2275.2	38.0
90°-120°	879.3	14.7
90°-150°	2758.0	46.0
90°-180°	3719.0	62.0
0°-180°	5993.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	944	944	944	944	944	
5°	939	956	939	956	939	90
15°	920	932	920	932	920	258
25°	846	927	846	927	846	390
35°	757	788	757	788	757	472
45°	604	473	604	473	604	462
55°	392	232	392	232	392	352
65°	215	123	215	123	215	218
75°	109	62	109	62	109	115
85°	23	10	23	10	23	29
90°	4	28	4	55	4	4
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



TEST NUMBER: P1428254

CATALOG NUMBER: SQ2W-PR1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	939.7	944.8	949.9	947.6	942.8	940.6	941.0	941.5	942.5	943.5	942.5
5°	938.7	946.0	953.3	951.5	946.8	944.9	945.8	947.5	951.8	956.0	951.8
7.5°	938.5	948.9	959.2	960.0	957.6	957.7	960.1	963.4	969.1	974.7	969.1
10°	937.8	950.2	962.6	964.4	962.7	962.0	962.4	964.3	970.2	976.2	970.2
12.5°	933.1	947.6	962.0	960.5	953.7	950.0	949.4	949.7	953.0	956.2	953.0
15°	919.5	936.6	953.7	946.7	931.8	924.9	926.2	927.7	929.9	932.0	929.9
17.5°	895.4	913.3	931.2	924.9	910.7	905.8	910.4	915.0	919.1	923.3	919.1
20°	880.1	897.6	915.1	910.8	899.3	896.5	902.5	908.8	916.1	923.3	916.1
22.5°	866.2	883.7	901.3	898.5	889.0	888.5	896.9	905.6	915.6	925.6	915.6
25°	846.4	861.8	877.2	877.5	872.8	877.5	891.6	905.0	916.1	927.2	916.1
27.5°	825.6	834.7	843.7	849.7	854.7	866.7	885.8	902.0	909.8	917.6	909.8
30°	807.9	813.9	819.9	831.0	843.8	858.6	875.2	888.5	891.5	894.5	891.5
32.5°	788.7	792.3	795.9	811.5	831.2	845.4	854.2	859.9	856.0	852.2	856.0
35°	756.9	759.9	762.9	782.9	808.6	818.0	811.1	804.0	795.8	787.7	795.8
37.5°	719.2	725.4	731.5	747.8	767.5	767.3	747.3	730.0	720.7	711.4	720.7
40°	691.5	701.8	712.1	723.0	734.1	724.7	694.7	669.6	658.9	648.3	658.9
42.5°	657.7	674.1	690.5	692.9	690.7	670.5	632.4	600.6	587.5	574.4	587.5
45°	604.0	626.2	648.5	635.8	611.4	578.5	537.0	502.3	487.7	473.2	487.7
47.5°	540.7	563.6	586.4	562.4	522.8	484.5	447.5	416.3	402.7	389.1	402.7
50°	499.2	517.6	535.9	508.8	466.5	428.0	393.4	363.7	348.7	333.7	348.7
52.5°	456.9	470.1	483.4	456.5	416.2	378.8	344.1	314.8	301.2	287.6	301.2
55°	391.5	398.3	405.1	380.2	344.8	310.6	277.6	250.6	241.2	231.8	241.2
57.5°	331.4	335.8	340.2	316.6	283.6	253.2	225.3	202.6	195.6	188.7	195.6
60°	295.3	298.3	301.3	277.3	244.4	217.0	195.2	177.5	171.9	166.4	171.9
62.5°	262.2	264.5	266.8	243.7	212.2	187.7	170.4	156.3	152.1	147.9	152.1
65°	215.4	217.6	219.7	200.1	173.1	153.0	139.8	129.1	126.1	123.1	126.1
67.5°	178.3	179.4	180.5	164.3	142.4	126.2	115.7	107.2	104.4	101.6	104.4
70°	156.8	157.2	157.6	143.3	124.1	109.8	100.3	92.8	90.6	88.5	90.6
72.5°	137.5	136.9	136.3	123.6	106.7	94.4	86.8	80.6	79.2	77.7	79.2
75°	108.7	107.4	106.1	95.5	81.9	72.5	67.3	63.3	62.4	61.6	62.4
77.5°	81.2	79.8	78.4	69.6	58.3	51.9	50.1	48.9	48.9	48.9	48.9
80°	63.5	61.8	60.1	53.2	44.7	40.4	40.4	40.4	40.4	40.4	40.4
82.5°	47.3	44.9	42.5	38.3	33.6	31.2	31.2	31.1	30.7	30.4	30.7
85°	23.1	20.9	18.8	18.3	18.3	17.0	14.4	12.2	10.9	9.6	10.9
87.5°	6.9	8.0	9.2	9.0	8.1	7.5	7.5	7.7	8.0	8.0	8.0
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



TEST NUMBER: P1428254

CATALOG NUMBER: SQ2W-PR1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428254

CATALOG NUMBER: SQ2W-PR1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	941.5	941.0	940.6	942.8	947.6	949.9	944.8	939.7	944.8	949.9	947.6
5°	947.5	945.8	944.9	946.8	951.5	953.3	946.0	938.7	946.0	953.3	951.5
7.5°	963.4	960.1	957.7	957.6	960.0	959.2	948.9	938.5	948.9	959.2	960.0
10°	964.3	962.4	962.0	962.7	964.4	962.6	950.2	937.8	950.2	962.6	964.4
12.5°	949.7	949.4	950.0	953.7	960.5	962.0	947.6	933.1	947.6	962.0	960.5
15°	927.7	926.2	924.9	931.8	946.7	953.7	936.6	919.5	936.6	953.7	946.7
17.5°	915.0	910.4	905.8	910.7	924.9	931.2	913.3	895.4	913.3	931.2	924.9
20°	908.8	902.5	896.5	899.3	910.8	915.1	897.6	880.1	897.6	915.1	910.8
22.5°	905.6	896.9	888.5	889.0	898.5	901.3	883.7	866.2	883.7	901.3	898.5
25°	905.0	891.6	877.5	872.8	877.5	877.2	861.8	846.4	861.8	877.2	877.5
27.5°	902.0	885.8	866.7	854.7	849.7	843.7	834.7	825.6	834.7	843.7	849.7
30°	888.5	875.2	858.6	843.8	831.0	819.9	813.9	807.9	813.9	819.9	831.0
32.5°	859.9	854.2	845.4	831.2	811.5	795.9	792.3	788.7	792.3	795.9	811.5
35°	804.0	811.1	818.0	808.6	782.9	762.9	759.9	756.9	759.9	762.9	782.9
37.5°	730.0	747.3	767.3	767.5	747.8	731.5	725.4	719.2	725.4	731.5	747.8
40°	669.6	694.7	724.7	734.1	723.0	712.1	701.8	691.5	701.8	712.1	723.0
42.5°	600.6	632.4	670.5	690.7	692.9	690.5	674.1	657.7	674.1	690.5	692.9
45°	502.3	537.0	578.5	611.4	635.8	648.5	626.2	604.0	626.2	648.5	635.8
47.5°	416.3	447.5	484.5	522.8	562.4	586.4	563.6	540.7	563.6	586.4	562.4
50°	363.7	393.4	428.0	466.5	508.8	535.9	517.6	499.2	517.6	535.9	508.8
52.5°	314.8	344.1	378.8	416.2	456.5	483.4	470.1	456.9	470.1	483.4	456.5
55°	250.6	277.6	310.6	344.8	380.2	405.1	398.3	391.5	398.3	405.1	380.2
57.5°	202.6	225.3	253.2	283.6	316.6	340.2	335.8	331.4	335.8	340.2	316.6
60°	177.5	195.2	217.0	244.4	277.3	301.3	298.3	295.3	298.3	301.3	277.3
62.5°	156.3	170.4	187.7	212.2	243.7	266.8	264.5	262.2	264.5	266.8	243.7
65°	129.1	139.8	153.0	173.1	200.1	219.7	217.6	215.4	217.6	219.7	200.1
67.5°	107.2	115.7	126.2	142.4	164.3	180.5	179.4	178.3	179.4	180.5	164.3
70°	92.8	100.3	109.8	124.1	143.3	157.6	157.2	156.8	157.2	157.6	143.3
72.5°	80.6	86.8	94.4	106.7	123.6	136.3	136.9	137.5	136.9	136.3	123.6
75°	63.3	67.3	72.5	81.9	95.5	106.1	107.4	108.7	107.4	106.1	95.5
77.5°	48.9	50.1	51.9	58.3	69.6	78.4	79.8	81.2	79.8	78.4	69.6
80°	40.4	40.4	40.4	44.7	53.2	60.1	61.8	63.5	61.8	60.1	53.2
82.5°	31.1	31.2	31.2	33.6	38.3	42.5	44.9	47.3	44.9	42.5	38.3
85°	12.2	14.4	17.0	18.3	18.3	18.8	20.9	23.1	20.9	18.8	18.3
87.5°	7.7	7.5	7.5	8.1	9.0	9.2	8.0	6.9	8.0	9.0	9.5
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1428254

CATALOG NUMBER: SQ2W-PR1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428254

CATALOG NUMBER: SQ2W-PR1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	942.8	940.6	941.0	941.5	942.5	943.5	942.5	941.5	941.0	940.6	942.8
5°	946.8	944.9	945.8	947.5	951.8	956.0	951.8	947.5	945.8	944.9	946.8
7.5°	957.6	957.7	960.1	963.4	969.1	974.7	969.1	963.4	960.1	957.7	957.6
10°	962.7	962.0	962.4	964.3	970.2	976.2	970.2	964.3	962.4	962.0	962.7
12.5°	953.7	950.0	949.4	949.7	953.0	956.2	953.0	949.7	949.4	950.0	953.7
15°	931.8	924.9	926.2	927.7	929.9	932.0	929.9	927.7	926.2	924.9	931.8
17.5°	910.7	905.8	910.4	915.0	919.1	923.3	919.1	915.0	910.4	905.8	910.7
20°	899.3	896.5	902.5	908.8	916.1	923.3	916.1	908.8	902.5	896.5	899.3
22.5°	889.0	888.5	896.9	905.6	915.6	925.6	915.6	905.6	896.9	888.5	889.0
25°	872.8	877.5	891.6	905.0	916.1	927.2	916.1	905.0	891.6	877.5	872.8
27.5°	854.7	866.7	885.8	902.0	909.8	917.6	909.8	902.0	885.8	866.7	854.7
30°	843.8	858.6	875.2	888.5	891.5	894.5	891.5	888.5	875.2	858.6	843.8
32.5°	831.2	845.4	854.2	859.9	856.0	852.2	856.0	859.9	854.2	845.4	831.2
35°	808.6	818.0	811.1	804.0	795.8	787.7	795.8	804.0	811.1	818.0	808.6
37.5°	767.5	767.3	747.3	730.0	720.7	711.4	720.7	730.0	747.3	767.3	767.5
40°	734.1	724.7	694.7	669.6	658.9	648.3	658.9	669.6	694.7	724.7	734.1
42.5°	690.7	670.5	632.4	600.6	587.5	574.4	587.5	600.6	632.4	670.5	690.7
45°	611.4	578.5	537.0	502.3	487.7	473.2	487.7	502.3	537.0	578.5	611.4
47.5°	522.8	484.5	447.5	416.3	402.7	389.1	402.7	416.3	447.5	484.5	522.8
50°	466.5	428.0	393.4	363.7	348.7	333.7	348.7	363.7	393.4	428.0	466.5
52.5°	416.2	378.8	344.1	314.8	301.2	287.6	301.2	314.8	344.1	378.8	416.2
55°	344.8	310.6	277.6	250.6	241.2	231.8	241.2	250.6	277.6	310.6	344.8
57.5°	283.6	253.2	225.3	202.6	195.6	188.7	195.6	202.6	225.3	253.2	283.6
60°	244.4	217.0	195.2	177.5	171.9	166.4	171.9	177.5	195.2	217.0	244.4
62.5°	212.2	187.7	170.4	156.3	152.1	147.9	152.1	156.3	170.4	187.7	212.2
65°	173.1	153.0	139.8	129.1	126.1	123.1	126.1	129.1	139.8	153.0	173.1
67.5°	142.4	126.2	115.7	107.2	104.4	101.6	104.4	107.2	115.7	126.2	142.4
70°	124.1	109.8	100.3	92.8	90.6	88.5	90.6	92.8	100.3	109.8	124.1
72.5°	106.7	94.4	86.8	80.6	79.2	77.7	79.2	80.6	86.8	94.4	106.7
75°	81.9	72.5	67.3	63.3	62.4	61.6	62.4	63.3	67.3	72.5	81.9
77.5°	58.3	51.9	50.1	48.9	48.9	48.9	48.9	48.9	50.1	51.9	58.3
80°	44.7	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	44.7
82.5°	33.6	31.2	31.2	31.1	30.7	30.4	30.7	31.1	31.2	31.2	33.6
85°	18.3	17.0	14.4	12.2	10.9	9.6	10.9	12.2	14.4	17.0	18.3
87.5°	9.1	10.0	11.8	12.9	13.9	13.4	13.9	12.9	11.8	10.0	9.1
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	333.4	318.3	293.1	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1428254

CATALOG NUMBER: SQ2W-PR1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428254

CATALOG NUMBER: SQ2W-PR1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	943.5	943.5	943.5	943.5
2.5°	947.6	949.9	944.8	939.7
5°	951.5	953.3	946.0	938.7
7.5°	960.0	959.2	948.9	938.5
10°	964.4	962.6	950.2	937.8
12.5°	960.5	962.0	947.6	933.1
15°	946.7	953.7	936.6	919.5
17.5°	924.9	931.2	913.3	895.4
20°	910.8	915.1	897.6	880.1
22.5°	898.5	901.3	883.7	866.2
25°	877.5	877.2	861.8	846.4
27.5°	849.7	843.7	834.7	825.6
30°	831.0	819.9	813.9	807.9
32.5°	811.5	795.9	792.3	788.7
35°	782.9	762.9	759.9	756.9
37.5°	747.8	731.5	725.4	719.2
40°	723.0	712.1	701.8	691.5
42.5°	692.9	690.5	674.1	657.7
45°	635.8	648.5	626.2	604.0
47.5°	562.4	586.4	563.6	540.7
50°	508.8	535.9	517.6	499.2
52.5°	456.5	483.4	470.1	456.9
55°	380.2	405.1	398.3	391.5
57.5°	316.6	340.2	335.8	331.4
60°	277.3	301.3	298.3	295.3
62.5°	243.7	266.8	264.5	262.2
65°	200.1	219.7	217.6	215.4
67.5°	164.3	180.5	179.4	178.3
70°	143.3	157.6	157.2	156.8
72.5°	123.6	136.3	136.9	137.5
75°	95.5	106.1	107.4	108.7
77.5°	69.6	78.4	79.8	81.2
80°	53.2	60.1	61.8	63.5
82.5°	38.3	42.5	44.9	47.3
85°	18.3	18.8	20.9	23.1
87.5°	9.5	9.0	8.0	6.9
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1428254

CATALOG NUMBER: SQ2W-PR1-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428254
 CATALOG NUMBER: SQ2W-PR1-K-100U-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	14.89	15.62	15.95	16.68	18.12	11.26	11.99	12.32	13.05	14.49
	3H	16.09	16.74	17.16	17.81	19.27	12.41	13.07	13.48	14.14	15.59
	4H	16.57	17.19	17.65	18.26	19.72	12.87	13.49	13.95	14.56	16.02
	6H	16.86	17.43	17.95	18.50	19.97	13.20	13.78	14.30	14.85	16.32
	8H	16.96	17.50	18.05	18.59	20.06	13.34	13.88	14.43	14.97	16.44
	12H	16.99	17.51	18.09	18.59	20.08	13.36	13.88	14.46	14.96	16.45
4H	2H	14.98	15.60	16.07	16.67	18.13	11.95	12.57	13.04	13.64	15.11
	3H	16.43	16.94	17.52	18.04	19.51	13.30	13.81	14.39	14.91	16.38
	4H	17.05	17.52	18.15	18.61	20.10	13.84	14.31	14.94	15.40	16.89
	6H	17.47	17.88	18.58	18.99	20.48	14.26	14.67	15.37	15.78	17.27
	8H	17.63	18.01	18.74	19.11	20.61	14.45	14.82	15.55	15.93	17.43
	12H	17.69	18.03	18.81	19.15	20.66	14.49	14.83	15.61	15.94	17.45
8H	4H	17.07	17.44	18.17	18.55	20.05	14.16	14.53	15.26	15.64	17.14
	6H	17.59	17.90	18.72	19.05	20.55	14.69	15.00	15.82	16.15	17.65
	8H	17.83	18.10	18.96	19.23	20.75	14.95	15.23	16.09	16.35	17.87
	12H	17.94	18.18	19.08	19.30	20.86	15.04	15.28	16.18	16.41	17.96
12H	4H	17.02	17.36	18.14	18.48	19.98	14.17	14.51	15.29	15.63	17.14
	6H	17.58	17.86	18.72	18.98	20.50	14.76	15.04	15.90	16.16	17.68
	8H	17.83	18.07	18.97	19.19	20.75	15.05	15.29	16.19	16.41	17.97