

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: P1427531

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427531
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-100U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

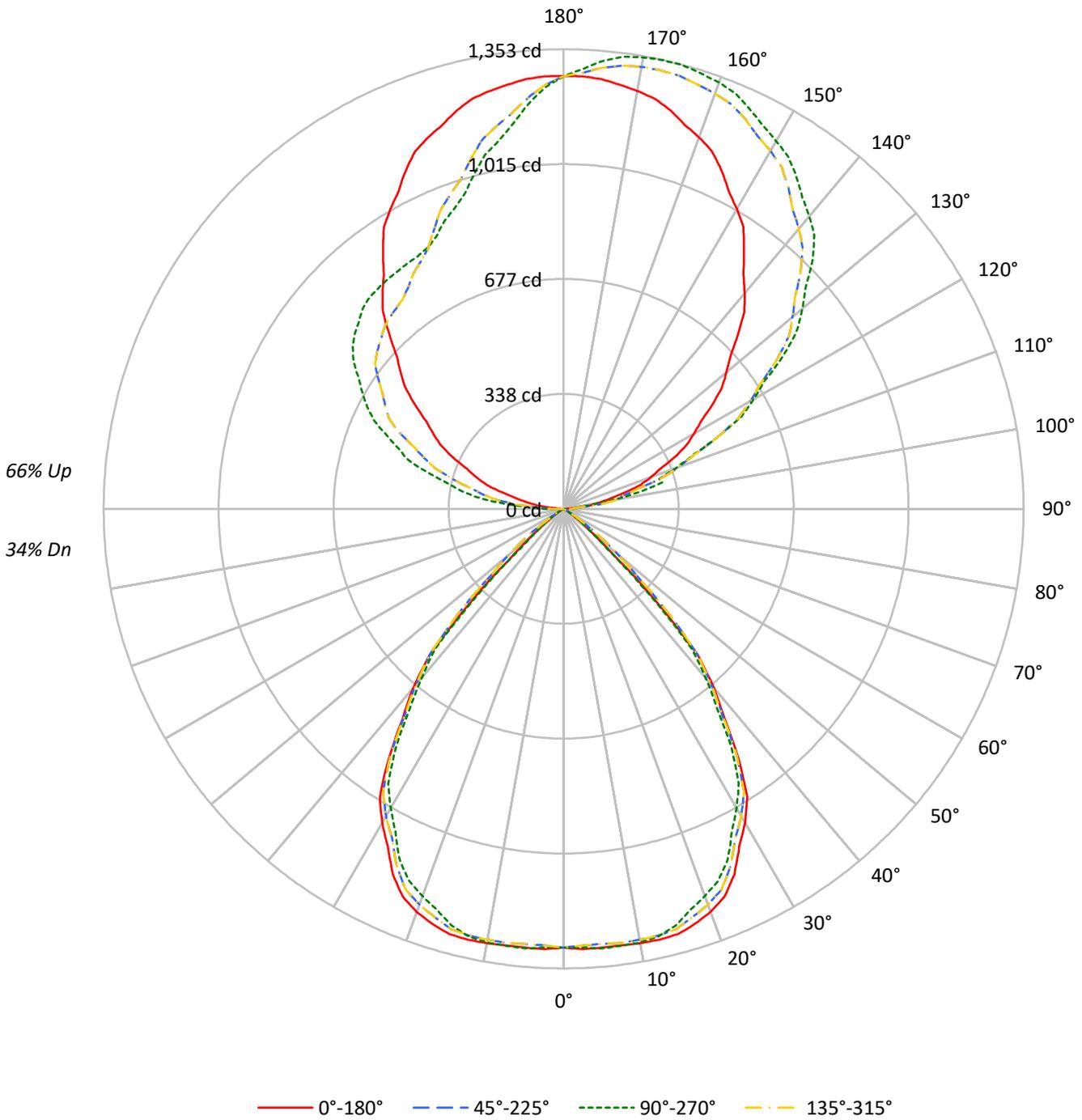
Lumens per Lamp: N/A
Luminaire Lumens: 5654.7 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 51.2
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

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

Luminous Intensity Polar Plot





TEST NUMBER: P1427531

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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	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34				
1	96	92	89	86	86	83	81	78	67	65	64	52	51	50	39	38	38	31				
2	88	82	77	72	80	74	70	66	61	58	55	48	46	44	36	35	34	29				
3	81	73	67	62	74	67	61	57	55	51	48	44	41	39	33	32	31	26				
4	75	66	59	54	68	60	54	50	50	45	42	40	37	35	31	29	28	24				
5	69	59	52	47	63	54	48	44	45	41	37	36	33	31	28	27	25	22				
6	64	54	46	41	58	49	43	39	41	37	33	33	30	28	26	24	23	20				
7	60	49	42	37	54	45	39	34	38	33	30	31	28	25	24	22	21	18				
8	56	45	38	33	51	41	35	31	35	30	27	28	25	23	23	21	19	17				
9	52	41	34	30	47	38	32	28	32	27	24	26	23	21	21	19	18	15				
10	49	38	31	27	44	35	29	25	30	25	22	24	21	19	20	18	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20855	20855	20855	20855
5°	21019	21052	21019	21052
10°	21283	21252	21283	21252
15°	21668	21235	21668	21235
20°	21695	20852	21695	20852
25°	21158	20330	21158	20330
30°	19891	18962	19891	18962
35°	17652	16990	17652	16990
40°	14477	13702	14477	13702
45°	8631	8101	8631	8101
50°	2695	2549	2695	2549
55°	1019	1019	1019	1019
60°	61	19	61	19
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 10106 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	2.2
10°-20°	361.8	6.4
20°-30°	532.3	9.4
30°-40°	544.0	9.6
40°-50°	313.4	5.5
50°-60°	53.9	1.0
60°-70°	1.9	0.0
70°-80°	0.0	0.0
80°-90°	6.8	0.1
90°-100°	101.4	1.8
100°-110°	295.6	5.2
110°-120°	482.4	8.5
120°-130°	612.1	10.8
130°-140°	655.0	11.6
140°-150°	611.6	10.8
150°-160°	503.3	8.9
160°-170°	337.5	6.0
170°-180°	119.8	2.1
0°-30°	1017.6	18.0
0°-40°	1561.6	27.6
0°-60°	1928.9	34.1
0°-90°	1937.6	34.3
90°-120°	879.3	15.6
90°-150°	2758.0	48.8
90°-180°	3719.0	65.8
0°-180°	5654.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1292	1292	1292	1292	1292	
5°	1297	1299	1297	1299	1297	124
15°	1296	1270	1296	1270	1296	365
25°	1188	1141	1188	1141	1188	542
35°	896	862	896	862	896	553
45°	378	355	378	355	378	293
55°	36	36	36	36	36	38
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	4	28	4	55	4	3
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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7
2.5°	1297.4	1295.8	1294.2	1290.4	1285.8	1286.1	1291.4	1295.1	1293.9	1292.8	1293.9
5°	1296.9	1295.5	1294.0	1290.0	1285.1	1286.6	1294.3	1300.0	1299.4	1298.9	1299.4
7.5°	1296.1	1295.2	1294.2	1291.4	1287.9	1289.4	1295.7	1300.2	1298.7	1297.3	1298.7
10°	1298.2	1297.9	1297.6	1293.3	1287.5	1287.9	1294.5	1299.1	1297.7	1296.3	1297.7
12.5°	1299.2	1301.0	1302.8	1296.5	1287.6	1285.7	1290.9	1294.2	1291.6	1289.0	1291.6
15°	1296.3	1301.1	1306.0	1297.1	1283.6	1277.3	1278.2	1277.9	1274.2	1270.4	1274.2
17.5°	1281.8	1288.7	1295.6	1283.8	1265.8	1255.3	1252.1	1248.4	1243.1	1237.9	1243.1
20°	1262.7	1270.7	1278.7	1265.9	1246.1	1233.4	1228.0	1222.7	1218.1	1213.6	1218.1
22.5°	1235.8	1243.1	1250.5	1238.2	1219.3	1206.4	1199.6	1193.5	1189.8	1186.2	1189.8
25°	1187.7	1192.6	1197.5	1184.9	1166.5	1154.8	1149.6	1145.2	1143.2	1141.2	1143.2
27.5°	1119.6	1121.0	1122.4	1112.4	1098.6	1088.5	1082.0	1076.6	1074.0	1071.4	1074.0
30°	1066.9	1066.9	1066.9	1059.1	1048.8	1040.2	1033.3	1026.9	1022.0	1017.1	1022.0
32.5°	1005.3	1004.7	1004.0	998.3	990.9	983.5	975.9	969.0	964.1	959.2	964.1
35°	895.6	898.8	901.9	898.0	891.7	884.8	877.3	870.6	866.3	862.0	866.3
37.5°	776.9	778.1	779.3	776.0	771.2	764.8	756.8	749.8	746.2	742.6	746.2
40°	686.9	687.2	687.5	683.5	678.0	672.4	666.7	661.0	655.5	650.1	655.5
42.5°	582.0	587.8	593.6	591.1	585.9	578.7	569.5	562.0	559.8	557.5	559.8
45°	378.0	403.6	429.1	438.6	442.6	439.4	429.1	413.9	384.3	354.8	384.3
47.5°	190.0	221.8	253.6	275.7	294.4	289.1	259.6	229.7	198.4	167.1	198.4
50°	107.3	126.2	145.2	174.7	207.7	202.3	158.3	122.7	112.1	101.5	112.1
52.5°	71.6	80.0	88.4	112.1	141.0	139.1	106.4	80.4	74.4	68.4	74.4
55°	36.2	38.5	40.8	51.3	64.5	64.2	50.4	39.6	37.9	36.2	37.9
57.5°	12.3	15.4	18.5	23.1	28.3	28.4	23.6	19.2	16.4	13.6	16.4
60°	1.9	4.8	7.7	11.4	15.4	15.0	10.1	5.8	3.2	0.6	3.2
62.5°	0.4	1.2	2.0	5.0	8.8	8.7	4.8	1.6	0.9	0.1	0.9
65°	0.0	0.0	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	1.8	3.1	4.1	4.9	5.1	5.1	5.4	5.7	5.7	5.7
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



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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



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7
2.5°	1295.1	1291.4	1286.1	1285.8	1290.4	1294.2	1295.8	1297.4	1295.8	1294.2	1290.4
5°	1300.0	1294.3	1286.6	1285.1	1290.0	1294.0	1295.5	1296.9	1295.5	1294.0	1290.0
7.5°	1300.2	1295.7	1289.4	1287.9	1291.4	1294.2	1295.2	1296.1	1295.2	1294.2	1291.4
10°	1299.1	1294.5	1287.9	1287.5	1293.3	1297.6	1297.9	1298.2	1297.9	1297.6	1293.3
12.5°	1294.2	1290.9	1285.7	1287.6	1296.5	1302.8	1301.0	1299.2	1301.0	1302.8	1296.5
15°	1277.9	1278.2	1277.3	1283.6	1297.1	1306.0	1301.1	1296.3	1301.1	1306.0	1297.1
17.5°	1248.4	1252.1	1255.3	1265.8	1283.8	1295.6	1288.7	1281.8	1288.7	1295.6	1283.8
20°	1222.7	1228.0	1233.4	1246.1	1265.9	1278.7	1270.7	1262.7	1270.7	1278.7	1265.9
22.5°	1193.5	1199.6	1206.4	1219.3	1238.2	1250.5	1243.1	1235.8	1243.1	1250.5	1238.2
25°	1145.2	1149.6	1154.8	1166.5	1184.9	1197.5	1192.6	1187.7	1192.6	1197.5	1184.9
27.5°	1076.6	1082.0	1088.5	1098.6	1112.4	1122.4	1121.0	1119.6	1121.0	1122.4	1112.4
30°	1026.9	1033.3	1040.2	1048.8	1059.1	1066.9	1066.9	1066.9	1066.9	1066.9	1059.1
32.5°	969.0	975.9	983.5	990.9	998.3	1004.0	1004.7	1005.3	1004.7	1004.0	998.3
35°	870.6	877.3	884.8	891.7	898.0	901.9	898.8	895.6	898.8	901.9	898.0
37.5°	749.8	756.8	764.8	771.2	776.0	779.3	778.1	776.9	778.1	779.3	776.0
40°	661.0	666.7	672.4	678.0	683.5	687.5	687.2	686.9	687.2	687.5	683.5
42.5°	562.0	569.5	578.7	585.9	591.1	593.6	587.8	582.0	587.8	593.6	591.1
45°	413.9	429.1	439.4	442.6	438.6	429.1	403.6	378.0	403.6	429.1	438.6
47.5°	229.7	259.6	289.1	294.4	275.7	253.6	221.8	190.0	221.8	253.6	275.7
50°	122.7	158.3	202.3	207.7	174.7	145.2	126.2	107.3	126.2	145.2	174.7
52.5°	80.4	106.4	139.1	141.0	112.1	88.4	80.0	71.6	80.0	88.4	112.1
55°	39.6	50.4	64.2	64.5	51.3	40.8	38.5	36.2	38.5	40.8	51.3
57.5°	19.2	23.6	28.4	28.3	23.1	18.5	15.4	12.3	15.4	18.5	23.1
60°	5.8	10.1	15.0	15.4	11.4	7.7	4.8	1.9	4.8	7.7	11.4
62.5°	1.6	4.8	8.7	8.8	5.0	2.0	1.2	0.4	1.2	2.0	5.0
65°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.4	5.1	5.1	4.9	4.1	3.1	1.8	0.8	1.8	2.8	4.6
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: P1427531

CATALOG NUMBER: SQ2W-BBM-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: P1427531

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7
2.5°	1285.8	1286.1	1291.4	1295.1	1293.9	1292.8	1293.9	1295.1	1291.4	1286.1	1285.8
5°	1285.1	1286.6	1294.3	1300.0	1299.4	1298.9	1299.4	1300.0	1294.3	1286.6	1285.1
7.5°	1287.9	1289.4	1295.7	1300.2	1298.7	1297.3	1298.7	1300.2	1295.7	1289.4	1287.9
10°	1287.5	1287.9	1294.5	1299.1	1297.7	1296.3	1297.7	1299.1	1294.5	1287.9	1287.5
12.5°	1287.6	1285.7	1290.9	1294.2	1291.6	1289.0	1291.6	1294.2	1290.9	1285.7	1287.6
15°	1283.6	1277.3	1278.2	1277.9	1274.2	1270.4	1274.2	1277.9	1278.2	1277.3	1283.6
17.5°	1265.8	1255.3	1252.1	1248.4	1243.1	1237.9	1243.1	1248.4	1252.1	1255.3	1265.8
20°	1246.1	1233.4	1228.0	1222.7	1218.1	1213.6	1218.1	1222.7	1228.0	1233.4	1246.1
22.5°	1219.3	1206.4	1199.6	1193.5	1189.8	1186.2	1189.8	1193.5	1199.6	1206.4	1219.3
25°	1166.5	1154.8	1149.6	1145.2	1143.2	1141.2	1143.2	1145.2	1149.6	1154.8	1166.5
27.5°	1098.6	1088.5	1082.0	1076.6	1074.0	1071.4	1074.0	1076.6	1082.0	1088.5	1098.6
30°	1048.8	1040.2	1033.3	1026.9	1022.0	1017.1	1022.0	1026.9	1033.3	1040.2	1048.8
32.5°	990.9	983.5	975.9	969.0	964.1	959.2	964.1	969.0	975.9	983.5	990.9
35°	891.7	884.8	877.3	870.6	866.3	862.0	866.3	870.6	877.3	884.8	891.7
37.5°	771.2	764.8	756.8	749.8	746.2	742.6	746.2	749.8	756.8	764.8	771.2
40°	678.0	672.4	666.7	661.0	655.5	650.1	655.5	661.0	666.7	672.4	678.0
42.5°	585.9	578.7	569.5	562.0	559.8	557.5	559.8	562.0	569.5	578.7	585.9
45°	442.6	439.4	429.1	413.9	384.3	354.8	384.3	413.9	429.1	439.4	442.6
47.5°	294.4	289.1	259.6	229.7	198.4	167.1	198.4	229.7	259.6	289.1	294.4
50°	207.7	202.3	158.3	122.7	112.1	101.5	112.1	122.7	158.3	202.3	207.7
52.5°	141.0	139.1	106.4	80.4	74.4	68.4	74.4	80.4	106.4	139.1	141.0
55°	64.5	64.2	50.4	39.6	37.9	36.2	37.9	39.6	50.4	64.2	64.5
57.5°	28.3	28.4	23.6	19.2	16.4	13.6	16.4	19.2	23.6	28.4	28.3
60°	15.4	15.0	10.1	5.8	3.2	0.6	3.2	5.8	10.1	15.0	15.4
62.5°	8.8	8.7	4.8	1.6	0.9	0.1	0.9	1.6	4.8	8.7	8.8
65°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	7.7	9.5	10.5	11.6	11.1	11.6	10.5	9.5	7.7	5.9
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: P1427531

CATALOG NUMBER: SQ2W-BBM-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: P1427531

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1291.7	1291.7	1291.7	1291.7
2.5°	1290.4	1294.2	1295.8	1297.4
5°	1290.0	1294.0	1295.5	1296.9
7.5°	1291.4	1294.2	1295.2	1296.1
10°	1293.3	1297.6	1297.9	1298.2
12.5°	1296.5	1302.8	1301.0	1299.2
15°	1297.1	1306.0	1301.1	1296.3
17.5°	1283.8	1295.6	1288.7	1281.8
20°	1265.9	1278.7	1270.7	1262.7
22.5°	1238.2	1250.5	1243.1	1235.8
25°	1184.9	1197.5	1192.6	1187.7
27.5°	1112.4	1122.4	1121.0	1119.6
30°	1059.1	1066.9	1066.9	1066.9
32.5°	998.3	1004.0	1004.7	1005.3
35°	898.0	901.9	898.8	895.6
37.5°	776.0	779.3	778.1	776.9
40°	683.5	687.5	687.2	686.9
42.5°	591.1	593.6	587.8	582.0
45°	438.6	429.1	403.6	378.0
47.5°	275.7	253.6	221.8	190.0
50°	174.7	145.2	126.2	107.3
52.5°	112.1	88.4	80.0	71.6
55°	51.3	40.8	38.5	36.2
57.5°	23.1	18.5	15.4	12.3
60°	11.4	7.7	4.8	1.9
62.5°	5.0	2.0	1.2	0.4
65°	0.2	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	4.6	2.8	1.8	0.8
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: P1427531

CATALOG NUMBER: SQ2W-BBM-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: P1427531
 CATALOG NUMBER: SQ2W-BBM-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00