

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: P1427532

Luminaire Tested: SQ2W-BBM-K-100U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427532  
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-L935-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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

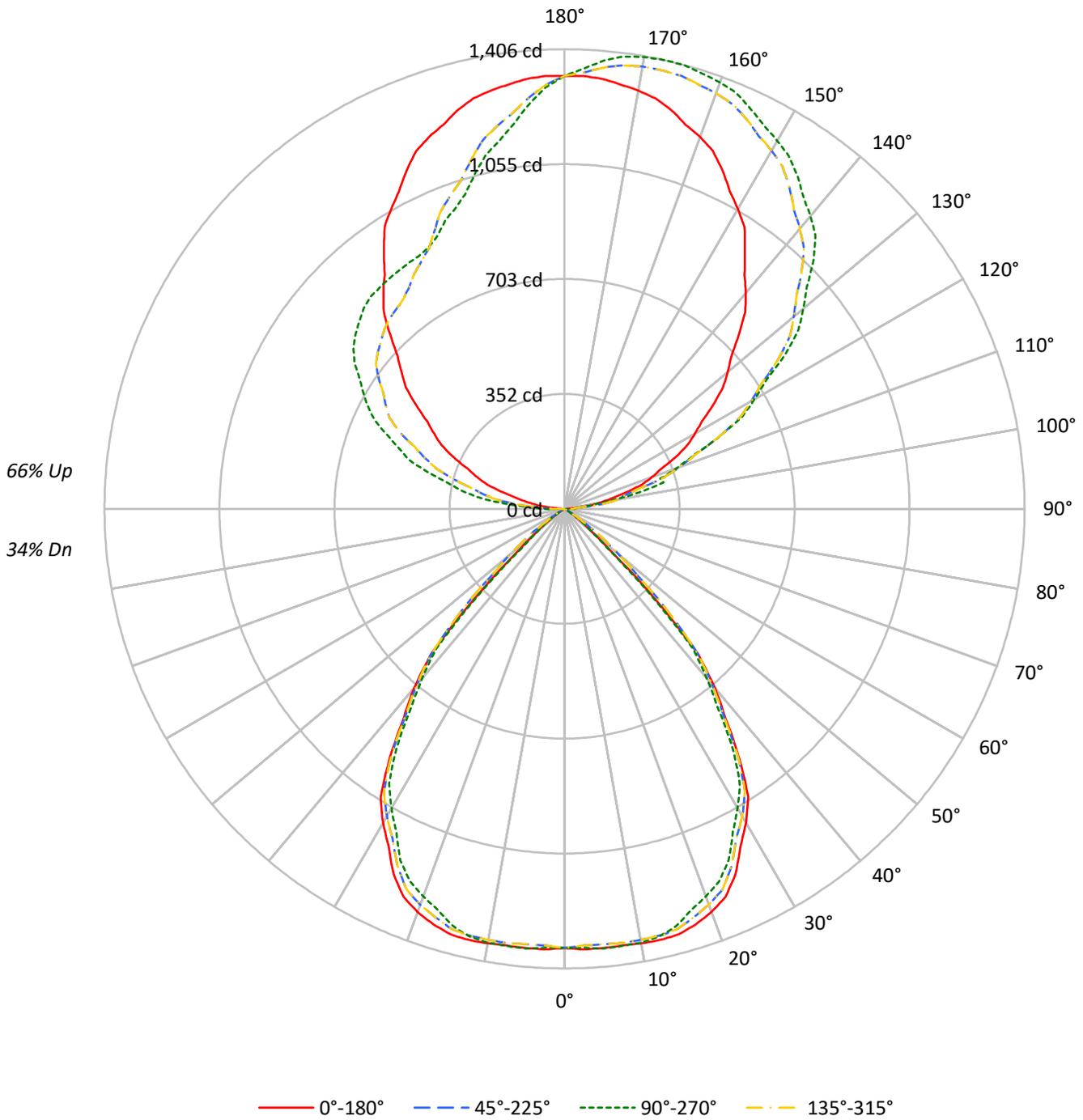
Lumens per Lamp: N/A  
Luminaire Lumens: 5879.3 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

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

TEST NUMBER: P1427532

CATALOG NUMBER: SQ2W-BBM-K-100U-050D-L935-UNV-STD-W-WM-4

### 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	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°	21685	21685	21685	21685
5°	21854	21886	21854	21886
10°	22129	22097	22129	22097
15°	22529	22079	22529	22079
20°	22556	21680	22556	21680
25°	21999	21137	21999	21137
30°	20679	19715	20679	19715
35°	18354	17666	18354	17666
40°	15053	14246	15053	14246
45°	8973	8423	8973	8423
50°	2801	2650	2801	2650
55°	1058	1058	1058	1058
60°	65	23	65	23
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: 10508 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.4	2.2
10°-20°	376.2	6.4
20°-30°	553.4	9.4
30°-40°	565.6	9.6
40°-50°	325.8	5.5
50°-60°	56.1	1.0
60°-70°	2.0	0.0
70°-80°	0.0	0.0
80°-90°	7.0	0.1
90°-100°	105.4	1.8
100°-110°	307.3	5.2
110°-120°	501.5	8.5
120°-130°	636.4	10.8
130°-140°	681.0	11.6
140°-150°	635.9	10.8
150°-160°	523.2	8.9
160°-170°	350.9	6.0
170°-180°	124.6	2.1
0°-30°	1058.0	18.0
0°-40°	1623.6	27.6
0°-60°	2005.5	34.1
0°-90°	2014.6	34.3
90°-120°	914.2	15.6
90°-150°	2867.5	48.8
90°-180°	3866.0	65.8
0°-180°	5879.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1343	1343	1343	1343	1343	
5°	1348	1350	1348	1350	1348	129
15°	1348	1321	1348	1321	1348	380
25°	1235	1186	1235	1186	1235	563
35°	931	896	931	896	931	575
45°	393	369	393	369	393	304
55°	38	38	38	38	38	40
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	4	29	4	58	4	3
95°	42	31	42	181	42	50
105°	195	313	195	431	195	208
115°	374	519	374	639	374	369
125°	554	823	554	784	554	495
135°	753	1077	753	868	753	582
145°	962	1241	962	887	962	602
155°	1142	1348	1142	920	1142	525
165°	1263	1406	1263	1059	1263	355
175°	1320	1376	1320	1243	1320	125
180°	1324	1324	1324	1324	1324	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1
2.5°	1349.0	1347.3	1345.6	1341.6	1336.8	1337.2	1342.7	1346.5	1345.3	1344.1	1345.3
5°	1348.4	1346.9	1345.4	1341.3	1336.2	1337.7	1345.7	1351.6	1351.0	1350.4	1351.0
7.5°	1347.6	1346.6	1345.6	1342.6	1339.1	1340.6	1347.2	1351.8	1350.3	1348.8	1350.3
10°	1349.8	1349.5	1349.2	1344.6	1338.6	1339.1	1346.0	1350.7	1349.2	1347.8	1349.2
12.5°	1350.8	1352.7	1354.5	1348.0	1338.7	1336.8	1342.2	1345.6	1342.9	1340.2	1342.9
15°	1347.8	1352.8	1357.9	1348.6	1334.6	1328.0	1328.9	1328.6	1324.8	1320.9	1324.8
17.5°	1332.7	1339.9	1347.0	1334.8	1316.1	1305.1	1301.8	1298.0	1292.5	1287.0	1292.5
20°	1312.8	1321.2	1329.5	1316.2	1295.6	1282.4	1276.8	1271.3	1266.5	1261.8	1266.5
22.5°	1284.9	1292.5	1300.2	1287.3	1267.7	1254.3	1247.2	1240.9	1237.1	1233.3	1237.1
25°	1234.9	1240.0	1245.0	1232.0	1212.9	1200.6	1195.2	1190.7	1188.6	1186.5	1188.6
27.5°	1164.1	1165.5	1166.9	1156.5	1142.2	1131.7	1125.0	1119.3	1116.6	1113.9	1116.6
30°	1109.2	1109.2	1109.2	1101.2	1090.4	1081.5	1074.3	1067.7	1062.6	1057.5	1062.6
32.5°	1045.3	1044.6	1043.8	1037.9	1030.3	1022.5	1014.6	1007.5	1002.4	997.3	1002.4
35°	931.2	934.5	937.8	933.7	927.1	919.9	912.2	905.2	900.7	896.3	900.7
37.5°	807.7	809.0	810.2	806.8	801.9	795.2	786.8	779.6	775.9	772.1	775.9
40°	714.2	714.5	714.8	710.6	704.9	699.1	693.1	687.2	681.6	675.9	681.6
42.5°	605.1	611.1	617.1	614.6	609.1	601.6	592.1	584.3	582.0	579.7	582.0
45°	393.0	419.6	446.2	456.0	460.2	456.9	446.1	430.4	399.6	368.9	399.6
47.5°	197.5	230.6	263.7	286.6	306.1	300.6	270.0	238.8	206.3	173.7	206.3
50°	111.5	131.2	150.9	181.6	216.0	210.3	164.6	127.6	116.5	105.5	116.5
52.5°	74.4	83.2	91.9	116.6	146.6	144.7	110.7	83.6	77.4	71.1	77.4
55°	37.6	40.0	42.4	53.3	67.0	66.7	52.4	41.2	39.4	37.6	39.4
57.5°	12.8	16.0	19.2	24.1	29.4	29.6	24.5	20.0	17.0	14.1	17.0
60°	2.0	5.0	8.0	11.9	16.1	15.6	10.5	6.0	3.4	0.7	3.4
62.5°	0.4	1.2	2.1	5.2	9.2	9.1	5.0	1.7	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	1.9	3.2	4.3	5.1	5.4	5.4	5.6	5.9	5.9	5.9
90°	4.0	9.4	16.1	21.4	25.4	26.8	26.8	28.1	29.4	29.4	29.4
92.5°	14.7	23.3	23.5	23.5	28.6	31.0	33.2	33.4	34.8	34.8	34.8
95°	41.5	45.5	68.2	66.9	45.5	36.1	30.8	30.8	30.8	30.8	30.8
97.5°	79.2	85.1	88.8	119.0	125.7	121.4	99.0	83.2	74.4	70.4	74.4
100°	112.4	115.0	123.1	124.4	157.8	189.9	173.9	153.8	147.1	143.1	147.1
102.5°	145.5	147.1	159.4	165.1	172.8	191.0	246.6	240.5	235.9	235.1	235.9
105°	195.3	196.6	219.4	230.1	235.4	235.4	234.1	260.8	303.6	313.0	303.6
107.5°	248.5	254.7	281.4	310.0	316.2	317.8	310.8	306.8	305.2	306.3	305.2
110°	284.9	294.3	326.4	362.5	371.8	374.5	371.8	367.8	365.1	365.1	365.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	320.2	333.9	370.2	411.7	427.5	435.5	429.6	426.7	424.0	426.1	424.0
115°	374.5	394.6	442.7	485.5	517.6	521.6	520.3	520.3	519.0	519.0	519.0
117.5°	424.8	456.9	510.9	560.7	597.9	608.6	613.9	612.3	610.7	613.4	610.7
120°	460.1	497.6	559.1	615.3	651.4	667.4	672.8	670.1	672.8	670.1	672.8
122.5°	497.6	543.6	604.0	662.4	704.9	723.1	729.5	730.0	730.6	729.0	730.6
125°	553.7	609.9	680.8	741.0	785.1	806.5	811.9	813.2	815.9	822.6	815.9
127.5°	610.5	674.1	752.0	810.0	855.2	881.2	889.5	892.4	898.0	901.0	898.0
130°	650.0	722.3	801.2	856.0	900.2	928.3	943.0	947.0	953.7	952.3	953.7
132.5°	691.8	767.2	847.2	904.2	945.1	975.3	987.9	999.4	1001.8	1003.7	1001.8
135°	753.0	834.6	914.9	971.1	1009.8	1039.3	1055.3	1066.0	1072.7	1076.7	1072.7
137.5°	817.5	903.6	980.7	1030.7	1069.8	1095.2	1113.4	1124.6	1131.6	1134.8	1131.6
140°	861.4	944.3	1019.2	1071.4	1106.1	1131.6	1147.6	1161.0	1169.0	1169.0	1169.0
142.5°	903.1	985.0	1057.7	1109.9	1140.4	1163.7	1180.8	1190.9	1200.0	1200.0	1200.0
145°	961.7	1043.3	1110.2	1162.3	1187.7	1209.1	1227.9	1235.9	1241.2	1241.2	1241.2
147.5°	1023.0	1095.2	1156.2	1206.2	1227.6	1252.7	1267.5	1273.9	1280.6	1277.6	1280.6
150°	1059.3	1126.2	1185.1	1231.9	1253.3	1277.4	1292.1	1297.4	1304.1	1300.1	1304.1
152.5°	1094.6	1158.3	1211.8	1255.4	1273.6	1297.7	1314.5	1319.9	1324.4	1321.5	1324.4
155°	1142.3	1198.4	1247.9	1288.1	1304.1	1326.8	1342.9	1349.6	1354.9	1348.2	1354.9
157.5°	1184.8	1233.2	1276.3	1313.2	1330.3	1349.9	1364.8	1373.1	1378.5	1375.5	1378.5
160°	1210.5	1254.6	1293.4	1328.2	1344.2	1361.6	1377.7	1387.0	1392.4	1388.4	1392.4
162.5°	1231.9	1271.7	1308.4	1340.0	1353.9	1369.1	1388.4	1396.7	1402.0	1396.9	1402.0
165°	1262.6	1294.7	1326.8	1353.6	1365.6	1377.7	1397.7	1407.1	1411.1	1405.8	1411.1
167.5°	1285.9	1310.5	1336.5	1359.5	1368.3	1380.1	1400.1	1407.9	1413.0	1406.3	1413.0
170°	1298.8	1320.2	1342.9	1361.6	1368.3	1379.0	1399.1	1405.8	1409.8	1403.1	1409.8
172.5°	1309.5	1325.5	1344.0	1360.6	1364.0	1372.6	1391.6	1398.3	1401.2	1395.6	1401.2
175°	1320.2	1329.5	1342.9	1353.6	1352.3	1357.6	1373.7	1379.0	1384.4	1376.3	1384.4
177.5°	1325.2	1329.5	1333.8	1340.2	1335.9	1335.9	1347.7	1350.9	1352.0	1347.7	1352.0
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1
2.5°	1346.5	1342.7	1337.2	1336.8	1341.6	1345.6	1347.3	1349.0	1347.3	1345.6	1341.6
5°	1351.6	1345.7	1337.7	1336.2	1341.3	1345.4	1346.9	1348.4	1346.9	1345.4	1341.3
7.5°	1351.8	1347.2	1340.6	1339.1	1342.6	1345.6	1346.6	1347.6	1346.6	1345.6	1342.6
10°	1350.7	1346.0	1339.1	1338.6	1344.6	1349.2	1349.5	1349.8	1349.5	1349.2	1344.6
12.5°	1345.6	1342.2	1336.8	1338.7	1348.0	1354.5	1352.7	1350.8	1352.7	1354.5	1348.0
15°	1328.6	1328.9	1328.0	1334.6	1348.6	1357.9	1352.8	1347.8	1352.8	1357.9	1348.6
17.5°	1298.0	1301.8	1305.1	1316.1	1334.8	1347.0	1339.9	1332.7	1339.9	1347.0	1334.8
20°	1271.3	1276.8	1282.4	1295.6	1316.2	1329.5	1321.2	1312.8	1321.2	1329.5	1316.2
22.5°	1240.9	1247.2	1254.3	1267.7	1287.3	1300.2	1292.5	1284.9	1292.5	1300.2	1287.3
25°	1190.7	1195.2	1200.6	1212.9	1232.0	1245.0	1240.0	1234.9	1240.0	1245.0	1232.0
27.5°	1119.3	1125.0	1131.7	1142.2	1156.5	1166.9	1165.5	1164.1	1165.5	1166.9	1156.5
30°	1067.7	1074.3	1081.5	1090.4	1101.2	1109.2	1109.2	1109.2	1109.2	1109.2	1101.2
32.5°	1007.5	1014.6	1022.5	1030.3	1037.9	1043.8	1044.6	1045.3	1044.6	1043.8	1037.9
35°	905.2	912.2	919.9	927.1	933.7	937.8	934.5	931.2	934.5	937.8	933.7
37.5°	779.6	786.8	795.2	801.9	806.8	810.2	809.0	807.7	809.0	810.2	806.8
40°	687.2	693.1	699.1	704.9	710.6	714.8	714.5	714.2	714.5	714.8	710.6
42.5°	584.3	592.1	601.6	609.1	614.6	617.1	611.1	605.1	611.1	617.1	614.6
45°	430.4	446.1	456.9	460.2	456.0	446.2	419.6	393.0	419.6	446.2	456.0
47.5°	238.8	270.0	300.6	306.1	286.6	263.7	230.6	197.5	230.6	263.7	286.6
50°	127.6	164.6	210.3	216.0	181.6	150.9	131.2	111.5	131.2	150.9	181.6
52.5°	83.6	110.7	144.7	146.6	116.6	91.9	83.2	74.4	83.2	91.9	116.6
55°	41.2	52.4	66.7	67.0	53.3	42.4	40.0	37.6	40.0	42.4	53.3
57.5°	20.0	24.5	29.6	29.4	24.1	19.2	16.0	12.8	16.0	19.2	24.1
60°	6.0	10.5	15.6	16.1	11.9	8.0	5.0	2.0	5.0	8.0	11.9
62.5°	1.7	5.0	9.1	9.2	5.2	2.1	1.2	0.4	1.2	2.1	5.2
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°	5.6	5.4	5.4	5.1	4.3	3.2	1.9	0.8	1.9	2.9	4.8
90°	28.1	26.8	26.8	25.4	21.4	16.1	9.4	4.0	9.4	14.7	24.1
92.5°	33.4	33.2	31.0	28.6	23.5	23.5	23.3	14.7	25.4	36.1	51.9
95°	30.8	30.8	36.1	45.5	66.9	68.2	45.5	41.5	58.9	82.9	104.3
97.5°	83.2	99.0	121.4	125.7	119.0	88.8	85.1	79.2	107.8	131.6	166.1
100°	153.8	173.9	189.9	157.8	124.4	123.1	115.0	112.4	143.1	165.9	199.3
102.5°	240.5	246.6	191.0	172.8	165.1	159.4	147.1	145.5	176.3	207.6	235.7
105°	260.8	234.1	235.4	235.4	230.1	219.4	196.6	195.3	230.1	266.2	300.9
107.5°	306.8	310.8	317.8	316.2	310.0	281.4	254.7	248.5	279.8	323.2	361.4
110°	367.8	371.8	374.5	371.8	362.5	326.4	294.3	284.9	313.0	358.5	399.9



TEST NUMBER: P1427532

CATALOG NUMBER: SQ2W-BBM-K-100U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	426.7	429.6	435.5	427.5	411.7	370.2	333.9	320.2	348.3	394.8	437.4
115°	520.3	520.3	521.6	517.6	485.5	442.7	394.6	374.5	398.6	441.4	488.2
117.5°	612.3	613.9	608.6	597.9	560.7	510.9	456.9	424.8	443.8	489.0	537.2
120°	670.1	672.8	667.4	651.4	615.3	559.1	497.6	460.1	474.8	519.0	567.1
122.5°	730.0	729.5	723.1	704.9	662.4	604.0	543.6	497.6	503.7	544.6	591.7
125°	813.2	811.9	806.5	785.1	741.0	680.8	609.9	553.7	545.7	580.5	628.6
127.5°	892.4	889.5	881.2	855.2	810.0	752.0	674.1	610.5	592.5	614.5	658.6
130°	947.0	943.0	928.3	900.2	856.0	801.2	722.3	650.0	624.6	638.0	676.8
132.5°	999.4	987.9	975.3	945.1	904.2	847.2	767.2	691.8	656.7	662.6	692.8
135°	1066.0	1055.3	1039.3	1009.8	971.1	914.9	834.6	753.0	704.9	699.5	716.9
137.5°	1124.6	1113.4	1095.2	1069.8	1030.7	980.7	903.6	817.5	756.8	738.9	745.5
140°	1161.0	1147.6	1131.6	1106.1	1071.4	1019.2	944.3	861.4	793.2	767.8	763.7
142.5°	1190.9	1180.8	1163.7	1140.4	1109.9	1057.7	985.0	903.1	830.6	797.7	788.3
145°	1235.9	1227.9	1209.1	1187.7	1162.3	1110.2	1043.3	961.7	889.5	846.7	826.6
147.5°	1273.9	1267.5	1252.7	1227.6	1206.2	1156.2	1095.2	1023.0	948.9	895.9	869.9
150°	1297.4	1292.1	1277.4	1253.3	1231.9	1185.1	1126.2	1059.3	988.4	932.3	898.8
152.5°	1319.9	1314.5	1297.7	1273.6	1255.4	1211.8	1158.3	1094.6	1022.7	966.5	932.0
155°	1349.6	1342.9	1326.8	1304.1	1288.1	1247.9	1198.4	1142.3	1080.7	1021.9	983.1
157.5°	1373.1	1364.8	1349.9	1330.3	1313.2	1276.3	1233.2	1184.8	1131.0	1074.9	1035.3
160°	1387.0	1377.7	1361.6	1344.2	1328.2	1293.4	1254.6	1210.5	1161.0	1110.2	1067.4
162.5°	1396.7	1388.4	1369.1	1353.9	1340.0	1308.4	1271.7	1231.9	1187.7	1143.3	1103.7
165°	1407.1	1397.7	1377.7	1365.6	1353.6	1326.8	1294.7	1262.6	1225.2	1189.1	1157.0
167.5°	1407.9	1400.1	1380.1	1368.3	1359.5	1336.5	1310.5	1285.9	1256.8	1228.4	1201.7
170°	1405.8	1399.1	1379.0	1368.3	1361.6	1342.9	1320.2	1298.8	1276.0	1251.9	1230.5
172.5°	1398.3	1391.6	1372.6	1364.0	1360.6	1344.0	1325.5	1309.5	1289.9	1272.3	1255.2
175°	1379.0	1373.7	1357.6	1352.3	1353.6	1342.9	1329.5	1320.2	1308.1	1297.4	1288.1
177.5°	1350.9	1347.7	1335.9	1335.9	1340.2	1333.8	1329.5	1325.2	1319.9	1316.7	1313.5
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427532

CATALOG NUMBER: SQ2W-BBM-K-100U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1
2.5°	1336.8	1337.2	1342.7	1346.5	1345.3	1344.1	1345.3	1346.5	1342.7	1337.2	1336.8
5°	1336.2	1337.7	1345.7	1351.6	1351.0	1350.4	1351.0	1351.6	1345.7	1337.7	1336.2
7.5°	1339.1	1340.6	1347.2	1351.8	1350.3	1348.8	1350.3	1351.8	1347.2	1340.6	1339.1
10°	1338.6	1339.1	1346.0	1350.7	1349.2	1347.8	1349.2	1350.7	1346.0	1339.1	1338.6
12.5°	1338.7	1336.8	1342.2	1345.6	1342.9	1340.2	1342.9	1345.6	1342.2	1336.8	1338.7
15°	1334.6	1328.0	1328.9	1328.6	1324.8	1320.9	1324.8	1328.6	1328.9	1328.0	1334.6
17.5°	1316.1	1305.1	1301.8	1298.0	1292.5	1287.0	1292.5	1298.0	1301.8	1305.1	1316.1
20°	1295.6	1282.4	1276.8	1271.3	1266.5	1261.8	1266.5	1271.3	1276.8	1282.4	1295.6
22.5°	1267.7	1254.3	1247.2	1240.9	1237.1	1233.3	1237.1	1240.9	1247.2	1254.3	1267.7
25°	1212.9	1200.6	1195.2	1190.7	1188.6	1186.5	1188.6	1190.7	1195.2	1200.6	1212.9
27.5°	1142.2	1131.7	1125.0	1119.3	1116.6	1113.9	1116.6	1119.3	1125.0	1131.7	1142.2
30°	1090.4	1081.5	1074.3	1067.7	1062.6	1057.5	1062.6	1067.7	1074.3	1081.5	1090.4
32.5°	1030.3	1022.5	1014.6	1007.5	1002.4	997.3	1002.4	1007.5	1014.6	1022.5	1030.3
35°	927.1	919.9	912.2	905.2	900.7	896.3	900.7	905.2	912.2	919.9	927.1
37.5°	801.9	795.2	786.8	779.6	775.9	772.1	775.9	779.6	786.8	795.2	801.9
40°	704.9	699.1	693.1	687.2	681.6	675.9	681.6	687.2	693.1	699.1	704.9
42.5°	609.1	601.6	592.1	584.3	582.0	579.7	582.0	584.3	592.1	601.6	609.1
45°	460.2	456.9	446.1	430.4	399.6	368.9	399.6	430.4	446.1	456.9	460.2
47.5°	306.1	300.6	270.0	238.8	206.3	173.7	206.3	238.8	270.0	300.6	306.1
50°	216.0	210.3	164.6	127.6	116.5	105.5	116.5	127.6	164.6	210.3	216.0
52.5°	146.6	144.7	110.7	83.6	77.4	71.1	77.4	83.6	110.7	144.7	146.6
55°	67.0	66.7	52.4	41.2	39.4	37.6	39.4	41.2	52.4	66.7	67.0
57.5°	29.4	29.6	24.5	20.0	17.0	14.1	17.0	20.0	24.5	29.6	29.4
60°	16.1	15.6	10.5	6.0	3.4	0.7	3.4	6.0	10.5	15.6	16.1
62.5°	9.2	9.1	5.0	1.7	0.9	0.1	0.9	1.7	5.0	9.1	9.2
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°	6.2	8.0	9.9	11.0	12.0	11.5	12.0	11.0	9.9	8.0	6.2
90°	30.8	40.1	49.5	54.8	60.2	57.5	60.2	54.8	49.5	40.1	30.8
92.5°	61.8	77.6	89.1	98.7	103.0	102.5	103.0	98.7	89.1	77.6	61.8
95°	124.4	143.1	161.8	175.2	183.2	180.6	183.2	175.2	161.8	143.1	124.4
97.5°	191.8	216.9	237.8	250.4	258.4	263.8	258.4	250.4	237.8	216.9	191.8
100°	236.7	260.8	284.9	299.6	313.0	318.3	313.0	299.6	284.9	260.8	236.7
102.5°	273.1	304.7	330.9	346.7	357.9	363.3	357.9	346.7	330.9	304.7	273.1
105°	333.0	366.5	394.6	414.6	426.7	430.7	426.7	414.6	394.6	366.5	333.0
107.5°	393.0	427.5	453.4	475.6	490.3	498.9	490.3	475.6	453.4	427.5	393.0
110°	440.1	468.1	496.2	516.3	531.0	536.4	531.0	516.3	496.2	468.1	440.1



TEST NUMBER: P1427532

CATALOG NUMBER: SQ2W-BBM-K-100U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	479.6	510.9	539.0	559.1	575.9	583.4	575.9	559.1	539.0	510.9	479.6
115°	535.0	576.5	601.9	620.6	632.7	639.3	632.7	620.6	601.9	576.5	535.0
117.5°	581.0	624.4	652.2	666.6	672.3	677.1	672.3	666.6	652.2	624.4	581.0
120°	609.9	650.0	682.1	700.9	707.6	710.2	707.6	700.9	682.1	650.0	609.9
122.5°	636.7	674.7	705.7	728.7	739.7	742.3	739.7	728.7	705.7	674.7	636.7
125°	674.1	710.2	742.3	765.1	777.1	783.8	777.1	765.1	742.3	710.2	674.1
127.5°	706.8	745.8	775.2	795.8	807.6	813.0	807.6	795.8	775.2	745.8	706.8
130°	724.9	765.1	794.5	817.2	827.9	833.3	827.9	817.2	794.5	765.1	724.9
132.5°	738.9	781.1	811.6	832.2	844.0	849.3	844.0	832.2	811.6	781.1	738.9
135°	755.7	799.9	832.0	852.0	862.7	868.1	862.7	852.0	832.0	799.9	755.7
137.5°	770.4	810.6	844.0	865.1	874.8	878.2	874.8	865.1	844.0	810.6	770.4
140°	781.1	815.9	849.3	869.4	880.1	881.4	880.1	869.4	849.3	815.9	781.1
142.5°	795.0	822.3	851.5	871.5	882.2	884.7	882.2	871.5	851.5	822.3	795.0
145°	819.9	836.0	856.0	874.8	884.1	886.8	884.1	874.8	856.0	836.0	819.9
147.5°	851.2	856.3	866.7	879.0	888.1	890.0	888.1	879.0	866.7	856.3	851.2
150°	874.8	873.4	877.4	885.5	893.5	892.1	893.5	885.5	877.4	873.4	874.8
152.5°	901.5	893.7	893.5	897.2	901.0	900.7	901.0	897.2	893.5	893.7	901.5
155°	947.0	932.3	924.2	921.6	921.6	920.2	921.6	921.6	924.2	932.3	947.0
157.5°	997.0	976.4	964.4	957.9	956.1	953.1	956.1	957.9	964.4	976.4	997.0
160°	1031.2	1008.5	996.5	985.8	981.8	977.7	981.8	985.8	996.5	1008.5	1031.2
162.5°	1063.3	1041.7	1028.6	1018.9	1014.9	1008.8	1014.9	1018.9	1028.6	1041.7	1063.3
165°	1115.5	1092.8	1078.1	1070.0	1064.7	1059.3	1064.7	1070.0	1078.1	1092.8	1115.5
167.5°	1167.7	1142.8	1133.2	1124.1	1119.0	1109.4	1119.0	1124.1	1133.2	1142.8	1167.7
170°	1199.8	1177.0	1171.7	1163.7	1154.3	1143.6	1154.3	1163.7	1171.7	1177.0	1199.8
172.5°	1227.6	1212.4	1207.0	1199.0	1196.0	1187.5	1196.0	1199.0	1207.0	1212.4	1227.6
175°	1268.0	1256.0	1256.0	1254.6	1250.6	1242.6	1250.6	1254.6	1256.0	1256.0	1268.0
177.5°	1301.7	1295.3	1299.6	1299.6	1298.5	1291.0	1298.5	1299.6	1299.6	1295.3	1301.7
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427532

CATALOG NUMBER: SQ2W-BBM-K-100U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1343.1	1343.1	1343.1	1343.1
2.5°	1341.6	1345.6	1347.3	1349.0
5°	1341.3	1345.4	1346.9	1348.4
7.5°	1342.6	1345.6	1346.6	1347.6
10°	1344.6	1349.2	1349.5	1349.8
12.5°	1348.0	1354.5	1352.7	1350.8
15°	1348.6	1357.9	1352.8	1347.8
17.5°	1334.8	1347.0	1339.9	1332.7
20°	1316.2	1329.5	1321.2	1312.8
22.5°	1287.3	1300.2	1292.5	1284.9
25°	1232.0	1245.0	1240.0	1234.9
27.5°	1156.5	1166.9	1165.5	1164.1
30°	1101.2	1109.2	1109.2	1109.2
32.5°	1037.9	1043.8	1044.6	1045.3
35°	933.7	937.8	934.5	931.2
37.5°	806.8	810.2	809.0	807.7
40°	710.6	714.8	714.5	714.2
42.5°	614.6	617.1	611.1	605.1
45°	456.0	446.2	419.6	393.0
47.5°	286.6	263.7	230.6	197.5
50°	181.6	150.9	131.2	111.5
52.5°	116.6	91.9	83.2	74.4
55°	53.3	42.4	40.0	37.6
57.5°	24.1	19.2	16.0	12.8
60°	11.9	8.0	5.0	2.0
62.5°	5.2	2.1	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°	4.8	2.9	1.9	0.8
90°	24.1	14.7	9.4	4.0
92.5°	51.9	36.1	25.4	14.7
95°	104.3	82.9	58.9	41.5
97.5°	166.1	131.6	107.8	79.2
100°	199.3	165.9	143.1	112.4
102.5°	235.7	207.6	176.3	145.5
105°	300.9	266.2	230.1	195.3
107.5°	361.4	323.2	279.8	248.5
110°	399.9	358.5	313.0	284.9



TEST NUMBER: P1427532

CATALOG NUMBER: SQ2W-BBM-K-100U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	437.4	394.8	348.3	320.2
115°	488.2	441.4	398.6	374.5
117.5°	537.2	489.0	443.8	424.8
120°	567.1	519.0	474.8	460.1
122.5°	591.7	544.6	503.7	497.6
125°	628.6	580.5	545.7	553.7
127.5°	658.6	614.5	592.5	610.5
130°	676.8	638.0	624.6	650.0
132.5°	692.8	662.6	656.7	691.8
135°	716.9	699.5	704.9	753.0
137.5°	745.5	738.9	756.8	817.5
140°	763.7	767.8	793.2	861.4
142.5°	788.3	797.7	830.6	903.1
145°	826.6	846.7	889.5	961.7
147.5°	869.9	895.9	948.9	1023.0
150°	898.8	932.3	988.4	1059.3
152.5°	932.0	966.5	1022.7	1094.6
155°	983.1	1021.9	1080.7	1142.3
157.5°	1035.3	1074.9	1131.0	1184.8
160°	1067.4	1110.2	1161.0	1210.5
162.5°	1103.7	1143.3	1187.7	1231.9
165°	1157.0	1189.1	1225.2	1262.6
167.5°	1201.7	1228.4	1256.8	1285.9
170°	1230.5	1251.9	1276.0	1298.8
172.5°	1255.2	1272.3	1289.9	1309.5
175°	1288.1	1297.4	1308.1	1320.2
177.5°	1313.5	1316.7	1319.9	1325.2
180°	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427532  
 CATALOG NUMBER: SQ2W-BBM-K-100U-050D-L935-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	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