

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: P1428540

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428540  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-WBM-K-100U-050D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - WHITE 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**

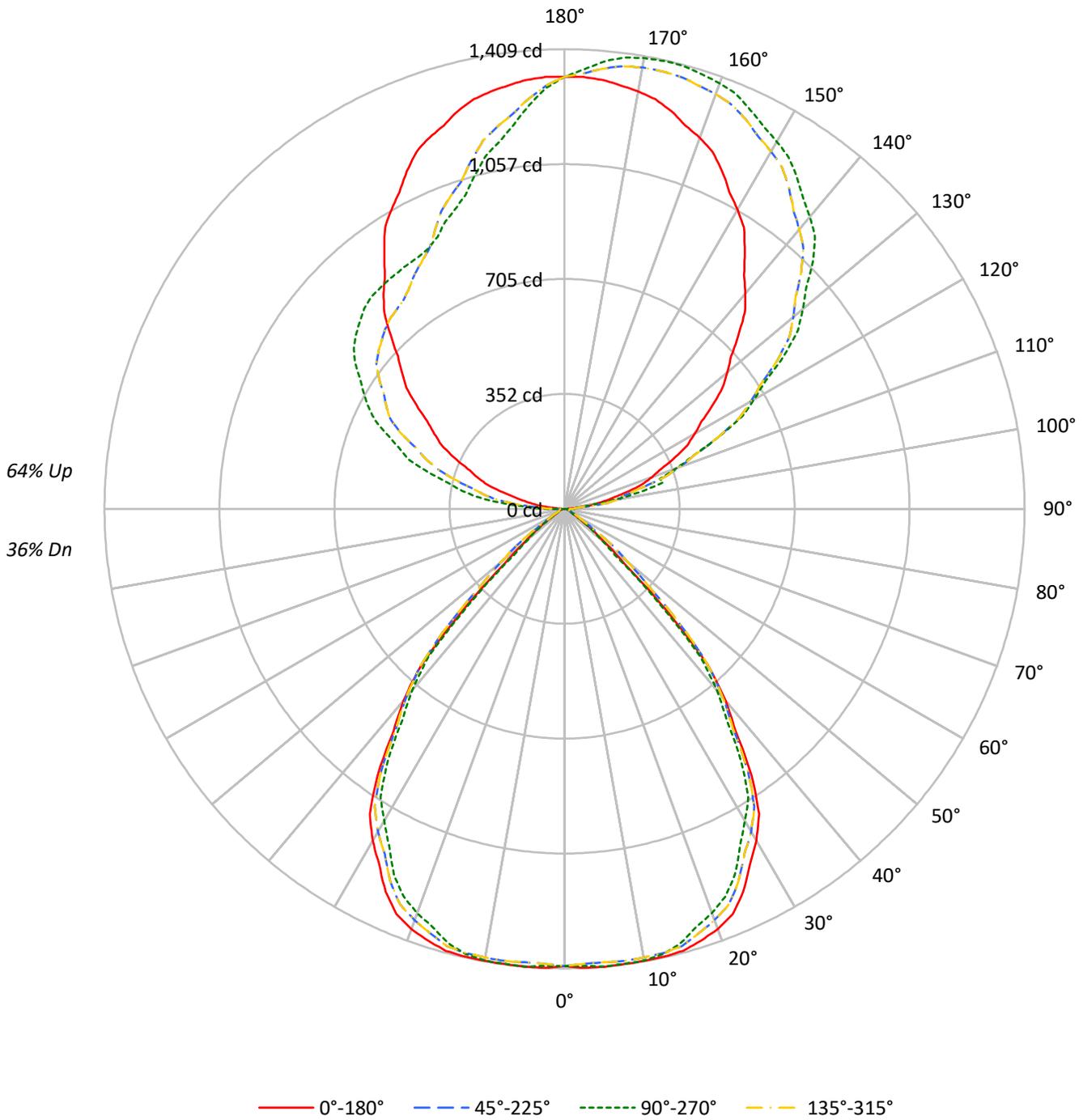
Lumens per Lamp: N/A  
Luminaire Lumens: 6064.2 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 51.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1428540

CATALOG NUMBER: SQ2W-WBM-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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36
1	96	92	89	86	87	84	81	79	68	66	65	54	53	51	40	40	39	33
2	88	82	77	72	80	75	70	67	61	58	56	49	47	45	37	36	35	30
3	82	73	67	62	74	67	62	57	55	52	48	44	42	40	34	33	32	27
4	75	66	59	54	68	60	54	50	50	46	43	41	38	35	32	30	28	25
5	70	59	52	47	63	55	48	44	45	41	38	37	34	32	29	27	26	22
6	65	54	46	41	59	50	43	39	41	37	33	34	31	28	27	25	23	20
7	60	49	42	37	55	45	39	34	38	33	30	31	28	26	25	23	21	19
8	56	45	38	33	51	41	35	31	35	30	27	29	26	23	23	21	19	17
9	52	41	34	29	48	38	32	28	32	28	24	27	23	21	22	19	18	16
10	49	38	31	27	45	35	29	25	30	25	22	25	22	19	20	18	16	14

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

	0°	90°	180°	270°
0°	22630	22630	22630	22630
5°	22836	22825	22836	22825
10°	23066	23056	23066	23056
15°	23450	23035	23450	23035
20°	23561	22661	23561	22661
25°	23077	22024	23077	22024
30°	21897	20593	21897	20593
35°	19692	18581	19692	18581
40°	16145	15293	16145	15293
45°	10095	9480	10095	9480
50°	3949	3612	3949	3612
55°	1948	1928	1948	1928
60°	911	823	911	823
65°	821	772	821	772
70°	793	760	793	760
75°	798	711	798	711
80°	753	688	753	688
85°	741	630	741	630

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°  
 Vertical Angle: 45°  
 Luminance: 11490 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.0	2.2
10°-20°	391.8	6.5
20°-30°	579.4	9.6
30°-40°	599.4	9.9
40°-50°	360.6	5.9
50°-60°	86.2	1.4
60°-70°	23.6	0.4
70°-80°	13.2	0.2
80°-90°	9.6	0.2
90°-100°	105.4	1.7
100°-110°	307.3	5.1
110°-120°	501.5	8.3
120°-130°	636.4	10.5
130°-140°	681.0	11.2
140°-150°	635.9	10.5
150°-160°	523.2	8.6
160°-170°	350.9	5.8
170°-180°	124.6	2.1
0°-30°	1105.2	18.2
0°-40°	1704.7	28.1
0°-60°	2151.4	35.5
0°-90°	2197.8	36.2
90°-120°	914.2	15.1
90°-150°	2867.5	47.3
90°-180°	3866.0	63.8
0°-180°	6064.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1402	1402	1402	1402	1402	
5°	1409	1408	1409	1408	1409	134
15°	1403	1378	1403	1378	1403	395
25°	1295	1236	1295	1236	1295	592
35°	999	943	999	943	999	613
45°	442	415	442	415	442	342
55°	69	68	69	68	69	69
65°	22	20	22	20	22	22
75°	13	11	13	11	13	13
85°	4	3	4	3	4	4
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°	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6
2.5°	1408.6	1406.9	1405.2	1401.0	1396.0	1396.1	1401.4	1405.0	1403.8	1402.6	1403.8
5°	1409.0	1406.9	1404.8	1400.0	1394.3	1395.7	1404.0	1410.1	1409.2	1408.3	1409.2
7.5°	1407.5	1406.6	1405.7	1402.2	1397.8	1398.8	1405.2	1409.6	1408.2	1406.8	1408.2
10°	1406.9	1407.2	1407.5	1402.9	1396.6	1396.8	1403.4	1408.1	1407.2	1406.3	1407.2
12.5°	1406.4	1408.9	1411.3	1405.1	1395.9	1393.9	1399.1	1402.4	1400.3	1398.2	1400.3
15°	1402.9	1407.7	1412.5	1404.0	1391.2	1384.8	1384.8	1384.0	1381.0	1378.1	1381.0
17.5°	1388.0	1393.7	1399.3	1387.9	1370.8	1359.9	1355.3	1350.9	1347.3	1343.7	1347.3
20°	1371.3	1377.0	1382.7	1369.1	1349.1	1335.3	1327.9	1321.9	1320.4	1318.9	1320.4
22.5°	1345.0	1351.1	1357.3	1342.8	1321.3	1306.5	1298.3	1291.6	1289.1	1286.7	1289.1
25°	1295.4	1300.2	1305.0	1289.8	1268.0	1254.1	1248.2	1242.9	1239.6	1236.3	1239.6
27.5°	1229.3	1231.9	1234.6	1219.9	1199.5	1185.8	1179.0	1172.8	1168.3	1163.7	1168.3
30°	1174.5	1175.7	1176.9	1165.1	1148.9	1136.4	1127.4	1118.9	1111.8	1104.6	1111.8
32.5°	1109.4	1110.6	1111.8	1101.5	1087.2	1075.9	1067.4	1059.6	1053.9	1048.2	1053.9
35°	999.1	998.5	997.9	991.3	982.6	973.3	963.5	954.6	948.6	942.7	948.6
37.5°	861.1	861.9	862.8	857.8	851.0	843.6	835.9	828.5	822.5	816.5	822.5
40°	766.0	766.6	767.2	763.0	757.4	748.9	737.5	728.6	727.1	725.6	727.1
42.5°	649.9	658.8	667.8	664.1	656.3	648.0	639.3	631.0	624.1	617.1	624.1
45°	442.1	469.3	496.5	503.2	503.2	498.0	487.6	472.6	443.9	415.2	443.9
47.5°	249.7	280.6	311.5	331.9	348.7	341.5	310.5	278.5	243.6	208.8	243.6
50°	157.2	178.1	199.0	225.1	252.9	245.2	202.2	167.1	155.4	143.8	155.4
52.5°	111.5	122.2	132.8	157.4	186.6	183.0	146.7	117.9	111.8	105.6	111.8
55°	69.2	73.1	77.0	88.9	103.5	102.7	86.2	73.3	70.9	68.5	70.9
57.5°	41.1	45.1	49.1	54.4	60.2	60.2	54.4	49.2	45.4	41.7	45.4
60°	28.2	31.5	34.8	39.2	44.0	43.4	37.4	32.1	28.8	25.5	28.8
62.5°	24.5	25.8	27.2	30.6	34.7	34.3	29.5	25.7	24.5	23.4	24.5
65°	21.5	21.8	22.1	22.4	22.7	22.5	21.9	21.4	20.8	20.2	20.8
67.5°	18.9	19.2	19.5	19.4	19.2	19.1	19.0	18.8	18.3	17.7	18.3
70°	16.8	17.1	17.4	17.5	17.5	17.3	17.0	16.7	16.4	16.1	16.4
72.5°	15.2	15.5	15.8	15.7	15.4	15.3	15.2	15.1	14.5	14.0	14.5
75°	12.8	12.8	12.8	12.8	12.8	12.6	12.3	12.0	11.7	11.4	11.7
77.5°	9.7	10.0	10.3	10.1	9.8	9.7	9.7	9.6	9.3	9.0	9.3
80°	8.1	8.4	8.7	8.5	8.2	8.1	8.1	8.0	7.7	7.4	7.7
82.5°	6.5	6.5	6.6	6.5	6.5	6.5	6.5	6.4	6.1	5.8	6.1
85°	4.0	4.0	4.0	3.8	3.5	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	1.9	3.2	4.8	5.7	6.3	6.4	6.4	6.7	7.0	7.0	7.0
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°	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6
2.5°	1405.0	1401.4	1396.1	1396.0	1401.0	1405.2	1406.9	1408.6	1406.9	1405.2	1401.0
5°	1410.1	1404.0	1395.7	1394.3	1400.0	1404.8	1406.9	1409.0	1406.9	1404.8	1400.0
7.5°	1409.6	1405.2	1398.8	1397.8	1402.2	1405.7	1406.6	1407.5	1406.6	1405.7	1402.2
10°	1408.1	1403.4	1396.8	1396.6	1402.9	1407.5	1407.2	1406.9	1407.2	1407.5	1402.9
12.5°	1402.4	1399.1	1393.9	1395.9	1405.1	1411.3	1408.9	1406.4	1408.9	1411.3	1405.1
15°	1384.0	1384.8	1384.8	1391.2	1404.0	1412.5	1407.7	1402.9	1407.7	1412.5	1404.0
17.5°	1350.9	1355.3	1359.9	1370.8	1387.9	1399.3	1393.7	1388.0	1393.7	1399.3	1387.9
20°	1321.9	1327.9	1335.3	1349.1	1369.1	1382.7	1377.0	1371.3	1377.0	1382.7	1369.1
22.5°	1291.6	1298.3	1306.5	1321.3	1342.8	1357.3	1351.1	1345.0	1351.1	1357.3	1342.8
25°	1242.9	1248.2	1254.1	1268.0	1289.8	1305.0	1300.2	1295.4	1300.2	1305.0	1289.8
27.5°	1172.8	1179.0	1185.8	1199.5	1219.9	1234.6	1231.9	1229.3	1231.9	1234.6	1219.9
30°	1118.9	1127.4	1136.4	1148.9	1165.1	1176.9	1175.7	1174.5	1175.7	1176.9	1165.1
32.5°	1059.6	1067.4	1075.9	1087.2	1101.5	1111.8	1110.6	1109.4	1110.6	1111.8	1101.5
35°	954.6	963.5	973.3	982.6	991.3	997.9	998.5	999.1	998.5	997.9	991.3
37.5°	828.5	835.9	843.6	851.0	857.8	862.8	861.9	861.1	861.9	862.8	857.8
40°	728.6	737.5	748.9	757.4	763.0	767.2	766.6	766.0	766.6	767.2	763.0
42.5°	631.0	639.3	648.0	656.3	664.1	667.8	658.8	649.9	658.8	667.8	664.1
45°	472.6	487.6	498.0	503.2	503.2	496.5	469.3	442.1	469.3	496.5	503.2
47.5°	278.5	310.5	341.5	348.7	331.9	311.5	280.6	249.7	280.6	311.5	331.9
50°	167.1	202.2	245.2	252.9	225.1	199.0	178.1	157.2	178.1	199.0	225.1
52.5°	117.9	146.7	183.0	186.6	157.4	132.8	122.2	111.5	122.2	132.8	157.4
55°	73.3	86.2	102.7	103.5	88.9	77.0	73.1	69.2	73.1	77.0	88.9
57.5°	49.2	54.4	60.2	60.2	54.4	49.1	45.1	41.1	45.1	49.1	54.4
60°	32.1	37.4	43.4	44.0	39.2	34.8	31.5	28.2	31.5	34.8	39.2
62.5°	25.7	29.5	34.3	34.7	30.6	27.2	25.8	24.5	25.8	27.2	30.6
65°	21.4	21.9	22.5	22.7	22.4	22.1	21.8	21.5	21.8	22.1	22.4
67.5°	18.8	19.0	19.1	19.2	19.4	19.5	19.2	18.9	19.2	19.5	19.4
70°	16.7	17.0	17.3	17.5	17.5	17.4	17.1	16.8	17.1	17.4	17.5
72.5°	15.1	15.2	15.3	15.4	15.7	15.8	15.5	15.2	15.5	15.8	15.7
75°	12.0	12.3	12.6	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
77.5°	9.6	9.7	9.7	9.8	10.1	10.3	10.0	9.7	10.0	10.3	10.1
80°	8.0	8.1	8.1	8.2	8.5	8.7	8.4	8.1	8.4	8.7	8.5
82.5°	6.4	6.5	6.5	6.5	6.5	6.6	6.5	6.5	6.5	6.6	6.5
85°	3.4	3.4	3.4	3.5	3.8	4.0	4.0	4.0	4.0	4.0	3.8
87.5°	6.7	6.4	6.4	6.3	5.7	4.8	3.2	1.9	3.2	4.5	6.2
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: P1428540

CATALOG NUMBER: SQ2W-WBM-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: P1428540

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6
2.5°	1396.0	1396.1	1401.4	1405.0	1403.8	1402.6	1403.8	1405.0	1401.4	1396.1	1396.0
5°	1394.3	1395.7	1404.0	1410.1	1409.2	1408.3	1409.2	1410.1	1404.0	1395.7	1394.3
7.5°	1397.8	1398.8	1405.2	1409.6	1408.2	1406.8	1408.2	1409.6	1405.2	1398.8	1397.8
10°	1396.6	1396.8	1403.4	1408.1	1407.2	1406.3	1407.2	1408.1	1403.4	1396.8	1396.6
12.5°	1395.9	1393.9	1399.1	1402.4	1400.3	1398.2	1400.3	1402.4	1399.1	1393.9	1395.9
15°	1391.2	1384.8	1384.8	1384.0	1381.0	1378.1	1381.0	1384.0	1384.8	1384.8	1391.2
17.5°	1370.8	1359.9	1355.3	1350.9	1347.3	1343.7	1347.3	1350.9	1355.3	1359.9	1370.8
20°	1349.1	1335.3	1327.9	1321.9	1320.4	1318.9	1320.4	1321.9	1327.9	1335.3	1349.1
22.5°	1321.3	1306.5	1298.3	1291.6	1289.1	1286.7	1289.1	1291.6	1298.3	1306.5	1321.3
25°	1268.0	1254.1	1248.2	1242.9	1239.6	1236.3	1239.6	1242.9	1248.2	1254.1	1268.0
27.5°	1199.5	1185.8	1179.0	1172.8	1168.3	1163.7	1168.3	1172.8	1179.0	1185.8	1199.5
30°	1148.9	1136.4	1127.4	1118.9	1111.8	1104.6	1111.8	1118.9	1127.4	1136.4	1148.9
32.5°	1087.2	1075.9	1067.4	1059.6	1053.9	1048.2	1053.9	1059.6	1067.4	1075.9	1087.2
35°	982.6	973.3	963.5	954.6	948.6	942.7	948.6	954.6	963.5	973.3	982.6
37.5°	851.0	843.6	835.9	828.5	822.5	816.5	822.5	828.5	835.9	843.6	851.0
40°	757.4	748.9	737.5	728.6	727.1	725.6	727.1	728.6	737.5	748.9	757.4
42.5°	656.3	648.0	639.3	631.0	624.1	617.1	624.1	631.0	639.3	648.0	656.3
45°	503.2	498.0	487.6	472.6	443.9	415.2	443.9	472.6	487.6	498.0	503.2
47.5°	348.7	341.5	310.5	278.5	243.6	208.8	243.6	278.5	310.5	341.5	348.7
50°	252.9	245.2	202.2	167.1	155.4	143.8	155.4	167.1	202.2	245.2	252.9
52.5°	186.6	183.0	146.7	117.9	111.8	105.6	111.8	117.9	146.7	183.0	186.6
55°	103.5	102.7	86.2	73.3	70.9	68.5	70.9	73.3	86.2	102.7	103.5
57.5°	60.2	60.2	54.4	49.2	45.4	41.7	45.4	49.2	54.4	60.2	60.2
60°	44.0	43.4	37.4	32.1	28.8	25.5	28.8	32.1	37.4	43.4	44.0
62.5°	34.7	34.3	29.5	25.7	24.5	23.4	24.5	25.7	29.5	34.3	34.7
65°	22.7	22.5	21.9	21.4	20.8	20.2	20.8	21.4	21.9	22.5	22.7
67.5°	19.2	19.1	19.0	18.8	18.3	17.7	18.3	18.8	19.0	19.1	19.2
70°	17.5	17.3	17.0	16.7	16.4	16.1	16.4	16.7	17.0	17.3	17.5
72.5°	15.4	15.3	15.2	15.1	14.5	14.0	14.5	15.1	15.2	15.3	15.4
75°	12.8	12.6	12.3	12.0	11.7	11.4	11.7	12.0	12.3	12.6	12.8
77.5°	9.8	9.7	9.7	9.6	9.3	9.0	9.3	9.6	9.7	9.7	9.8
80°	8.2	8.1	8.1	8.0	7.7	7.4	7.7	8.0	8.1	8.1	8.2
82.5°	6.5	6.5	6.5	6.4	6.1	5.8	6.1	6.4	6.5	6.5	6.5
85°	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5
87.5°	7.3	9.1	11.0	12.0	13.1	12.6	13.1	12.0	11.0	9.1	7.3
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: P1428540

CATALOG NUMBER: SQ2W-WBM-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: P1428540

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1401.6	1401.6	1401.6	1401.6
2.5°	1401.0	1405.2	1406.9	1408.6
5°	1400.0	1404.8	1406.9	1409.0
7.5°	1402.2	1405.7	1406.6	1407.5
10°	1402.9	1407.5	1407.2	1406.9
12.5°	1405.1	1411.3	1408.9	1406.4
15°	1404.0	1412.5	1407.7	1402.9
17.5°	1387.9	1399.3	1393.7	1388.0
20°	1369.1	1382.7	1377.0	1371.3
22.5°	1342.8	1357.3	1351.1	1345.0
25°	1289.8	1305.0	1300.2	1295.4
27.5°	1219.9	1234.6	1231.9	1229.3
30°	1165.1	1176.9	1175.7	1174.5
32.5°	1101.5	1111.8	1110.6	1109.4
35°	991.3	997.9	998.5	999.1
37.5°	857.8	862.8	861.9	861.1
40°	763.0	767.2	766.6	766.0
42.5°	664.1	667.8	658.8	649.9
45°	503.2	496.5	469.3	442.1
47.5°	331.9	311.5	280.6	249.7
50°	225.1	199.0	178.1	157.2
52.5°	157.4	132.8	122.2	111.5
55°	88.9	77.0	73.1	69.2
57.5°	54.4	49.1	45.1	41.1
60°	39.2	34.8	31.5	28.2
62.5°	30.6	27.2	25.8	24.5
65°	22.4	22.1	21.8	21.5
67.5°	19.4	19.5	19.2	18.9
70°	17.5	17.4	17.1	16.8
72.5°	15.7	15.8	15.5	15.2
75°	12.8	12.8	12.8	12.8
77.5°	10.1	10.3	10.0	9.7
80°	8.5	8.7	8.4	8.1
82.5°	6.5	6.6	6.5	6.5
85°	3.8	4.0	4.0	4.0
87.5°	6.2	4.5	3.2	1.9
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: P1428540

CATALOG NUMBER: SQ2W-WBM-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: P1428540  
 CATALOG NUMBER: SQ2W-WBM-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	1.27	1.93	2.36	3.00	4.46	1.26	1.91	2.35	2.99	4.45
	3H	1.95	2.53	3.05	3.62	5.10	1.88	2.46	2.98	3.54	5.02
	4H	2.31	2.87	3.42	3.95	5.44	2.18	2.73	3.29	3.81	5.30
	6H	2.58	3.09	3.70	4.18	5.68	2.40	2.91	3.52	4.00	5.50
	8H	2.70	3.18	3.82	4.28	5.78	2.50	2.98	3.62	4.08	5.58
	12H	2.78	3.23	3.90	4.33	5.84	2.55	3.01	3.68	4.10	5.62
4H	2H	1.35	1.91	2.47	2.99	4.48	1.34	1.89	2.46	2.98	4.47
	3H	2.29	2.74	3.41	3.86	5.36	2.21	2.66	3.33	3.77	5.27
	4H	2.80	3.21	3.92	4.31	5.84	2.65	3.06	3.77	4.17	5.69
	6H	3.22	3.58	4.35	4.70	6.22	3.02	3.38	4.15	4.50	6.01
	8H	3.41	3.75	4.54	4.86	6.39	3.19	3.52	4.32	4.63	6.16
	12H	3.53	3.84	4.68	4.96	6.50	3.28	3.58	4.42	4.71	6.24
8H	4H	2.91	3.24	4.04	4.36	5.89	2.77	3.11	3.90	4.22	5.75
	6H	3.49	3.76	4.64	4.92	6.44	3.29	3.57	4.44	4.73	6.25
	8H	3.78	4.02	4.94	5.16	6.70	3.57	3.80	4.72	4.94	6.49
	12H	3.99	4.20	5.15	5.34	6.92	3.74	3.95	4.90	5.08	6.66
12H	4H	2.89	3.19	4.03	4.31	5.85	2.76	3.06	3.90	4.18	5.72
	6H	3.53	3.77	4.68	4.90	6.45	3.34	3.58	4.50	4.72	6.26
	8H	3.85	4.06	5.01	5.19	6.77	3.64	3.85	4.80	4.99	6.57