

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: P1428527

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428527  
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-075U-050D-L930-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 750 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

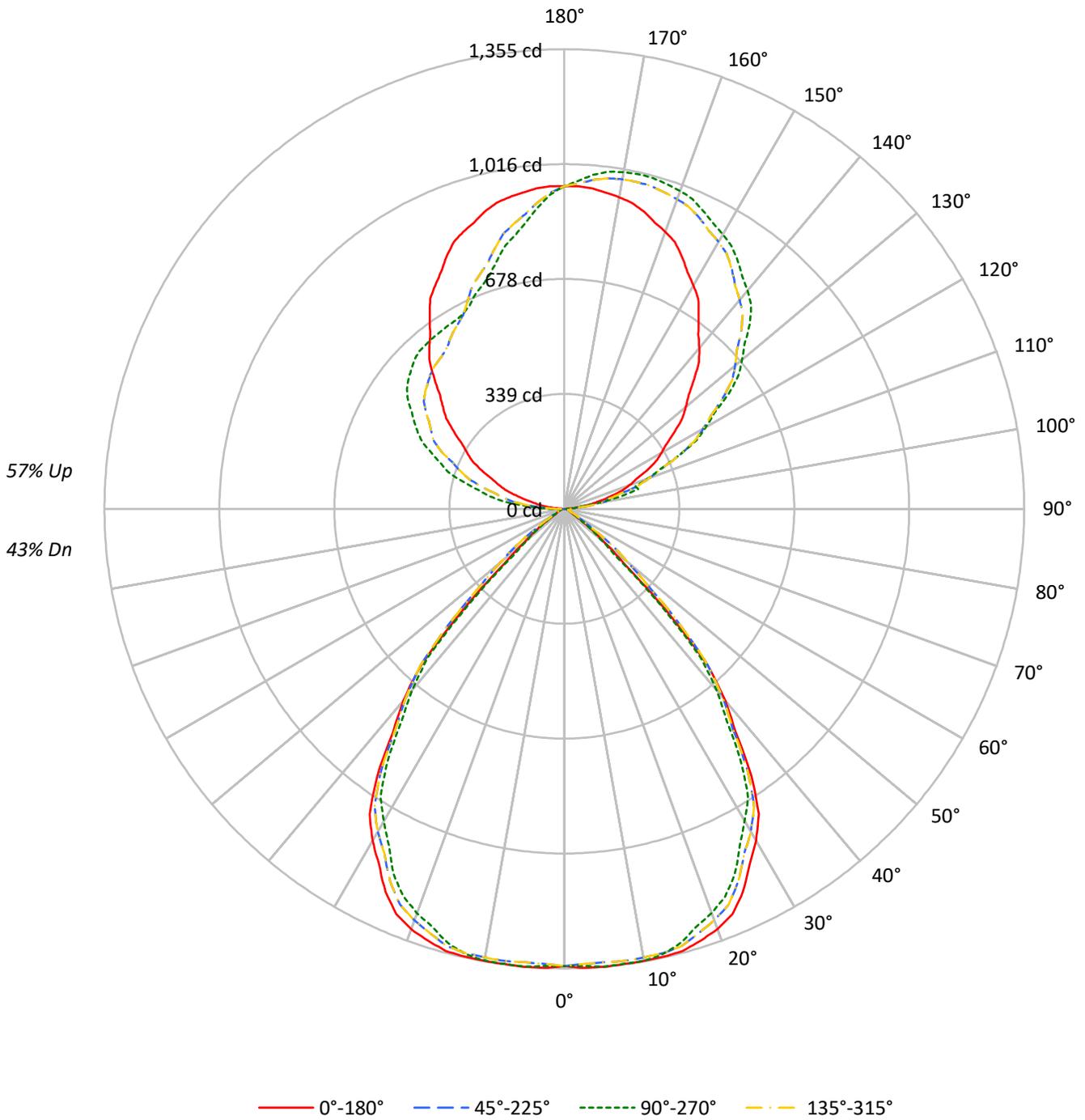
Lumens per Lamp: N/A  
Luminaire Lumens: 4889.8 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 41.7  
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

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CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L930-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	50	30	10	0	
RCR																						
0	106	106	106	106	96	96	96	96	80	80	80	64	64	64	50	50	50	43				43
1	98	94	91	88	89	86	84	81	72	70	68	59	57	56	46	46	45	39				39
2	90	84	79	74	83	77	73	69	65	62	59	53	51	50	43	42	40	36				36
3	84	75	69	64	77	70	64	60	59	55	52	49	46	44	40	38	36	32				32
4	77	68	61	56	71	63	57	52	53	49	46	45	42	39	36	35	33	29				29
5	72	61	54	49	66	57	51	46	49	44	41	41	38	35	34	32	30	27				27
6	66	56	48	43	61	52	45	41	44	40	36	38	34	32	31	29	27	24				24
7	62	51	44	39	57	47	41	37	41	36	33	35	31	29	29	27	25	22				22
8	58	46	39	35	53	43	37	33	38	33	29	32	29	26	27	24	23	20				20
9	54	43	36	31	50	40	34	30	35	30	27	30	26	24	25	23	21	19				19
10	50	39	33	28	47	37	31	27	32	28	24	28	24	22	23	21	19	17				17

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

	0°	90°	180°	270°
0°	21764	21764	21764	21764
5°	21962	21953	21962	21953
10°	22185	22174	22185	22174
15°	22554	22154	22554	22154
20°	22661	21795	22661	21795
25°	22195	21183	22195	21183
30°	21059	19807	21059	19807
35°	18939	17871	18939	17871
40°	15527	14709	15527	14709
45°	9709	9120	9709	9120
50°	3798	3474	3798	3474
55°	1875	1855	1875	1855
60°	875	794	875	794
65°	791	741	791	741
70°	765	732	765	732
75°	767	686	767	686
80°	725	660	725	660
85°	722	593	722	593

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°  
 Vertical Angle: 45°  
 Luminance: 11051 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.9	2.6
10°-20°	376.9	7.7
20°-30°	557.2	11.4
30°-40°	576.5	11.8
40°-50°	346.8	7.1
50°-60°	82.9	1.7
60°-70°	22.7	0.5
70°-80°	12.7	0.3
80°-90°	7.9	0.2
90°-100°	75.7	1.5
100°-110°	220.8	4.5
110°-120°	360.3	7.4
120°-130°	457.2	9.3
130°-140°	489.2	10.0
140°-150°	456.8	9.3
150°-160°	375.9	7.7
160°-170°	252.1	5.2
170°-180°	89.5	1.8
0°-30°	1063.0	21.7
0°-40°	1639.5	33.5
0°-60°	2069.2	42.3
0°-90°	2112.5	43.2
90°-120°	656.7	13.4
90°-150°	2059.9	42.1
90°-180°	2777.0	56.8
0°-180°	4889.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1348	1348	1348	1348	1348	
5°	1355	1354	1355	1354	1355	129
15°	1349	1325	1349	1325	1349	380
25°	1246	1189	1246	1189	1246	570
35°	961	907	961	907	961	590
45°	425	399	425	399	425	329
55°	67	66	67	66	67	67
65°	21	19	21	19	21	21
75°	12	11	12	11	12	13
85°	4	3	4	3	4	4
90°	3	21	3	41	3	2
95°	30	22	30	130	30	36
105°	140	225	140	309	140	149
115°	269	373	269	459	269	265
125°	398	591	398	563	398	356
135°	541	773	541	624	541	418
145°	691	892	691	637	691	432
155°	820	968	820	661	820	377
165°	907	1010	907	761	907	255
175°	948	989	948	893	948	90
180°	951	951	951	951	951	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0
2.5°	1354.7	1353.1	1351.5	1347.5	1342.7	1342.8	1347.9	1351.4	1350.2	1349.1	1350.2
5°	1355.1	1353.1	1351.1	1346.5	1341.1	1342.4	1350.4	1356.2	1355.3	1354.5	1355.3
7.5°	1353.7	1352.9	1352.0	1348.6	1344.4	1345.4	1351.5	1355.7	1354.4	1353.1	1354.4
10°	1353.2	1353.5	1353.8	1349.3	1343.3	1343.4	1349.7	1354.3	1353.4	1352.5	1353.4
12.5°	1352.7	1355.0	1357.4	1351.4	1342.6	1340.7	1345.6	1348.8	1346.8	1344.8	1346.8
15°	1349.3	1353.9	1358.5	1350.4	1338.0	1331.9	1331.9	1331.2	1328.3	1325.4	1328.3
17.5°	1335.0	1340.4	1345.9	1334.9	1318.4	1307.9	1303.5	1299.3	1295.8	1292.3	1295.8
20°	1318.9	1324.4	1329.9	1316.8	1297.5	1284.3	1277.2	1271.4	1270.0	1268.5	1270.0
22.5°	1293.6	1299.5	1305.4	1291.5	1270.8	1256.6	1248.7	1242.2	1239.9	1237.5	1239.9
25°	1245.9	1250.5	1255.1	1240.5	1219.6	1206.2	1200.5	1195.4	1192.2	1189.1	1192.2
27.5°	1182.3	1184.9	1187.4	1173.3	1153.6	1140.5	1134.0	1128.0	1123.6	1119.3	1123.6
30°	1129.6	1130.7	1131.9	1120.6	1105.0	1093.0	1084.4	1076.2	1069.3	1062.4	1069.3
32.5°	1067.0	1068.2	1069.3	1059.4	1045.7	1034.8	1026.6	1019.1	1013.6	1008.1	1013.6
35°	960.9	960.4	959.8	953.4	945.1	936.2	926.7	918.1	912.4	906.7	912.4
37.5°	828.2	829.0	829.8	825.1	818.5	811.4	803.9	796.9	791.1	785.3	791.1
40°	736.7	737.3	737.8	733.9	728.4	720.3	709.3	700.8	699.4	697.9	699.4
42.5°	625.0	633.6	642.3	638.8	631.2	623.3	614.9	606.9	600.2	593.5	600.2
45°	425.2	451.4	477.5	484.0	484.0	479.0	468.9	454.5	426.9	399.4	426.9
47.5°	240.1	269.9	299.6	319.2	335.3	328.5	298.6	267.8	234.3	200.8	234.3
50°	151.2	171.3	191.4	216.5	243.2	235.9	194.5	160.7	149.5	138.3	149.5
52.5°	107.3	117.5	127.7	151.3	179.4	176.0	141.1	113.4	107.5	101.6	107.5
55°	66.6	70.3	74.0	85.5	99.6	98.7	82.9	70.5	68.2	65.9	68.2
57.5°	39.5	43.4	47.2	52.3	57.9	57.9	52.3	47.3	43.7	40.1	43.7
60°	27.1	30.3	33.5	37.7	42.3	41.7	36.0	30.9	27.7	24.6	27.7
62.5°	23.5	24.8	26.2	29.4	33.3	33.0	28.4	24.7	23.6	22.5	23.6
65°	20.7	21.0	21.3	21.5	21.8	21.7	21.1	20.5	20.0	19.4	20.0
67.5°	18.2	18.5	18.8	18.7	18.5	18.3	18.3	18.1	17.6	17.1	17.6
70°	16.2	16.4	16.7	16.8	16.8	16.7	16.4	16.1	15.8	15.5	15.8
72.5°	14.6	14.9	15.2	15.1	14.8	14.7	14.6	14.5	14.0	13.4	14.0
75°	12.3	12.3	12.3	12.3	12.3	12.1	11.8	11.6	11.3	11.0	11.3
77.5°	9.3	9.6	9.9	9.7	9.4	9.3	9.3	9.2	8.9	8.7	8.9
80°	7.8	8.0	8.3	8.2	7.9	7.8	7.8	7.7	7.4	7.1	7.4
82.5°	6.2	6.3	6.3	6.3	6.2	6.2	6.2	6.1	5.8	5.6	5.8
85°	3.9	3.9	3.9	3.7	3.4	3.2	3.2	3.2	3.2	3.2	3.2
87.5°	1.6	2.6	3.8	4.5	4.8	4.9	4.9	5.1	5.3	5.3	5.3
90°	2.9	6.7	11.5	15.4	18.3	19.2	19.2	20.2	21.1	21.1	21.1
92.5°	10.6	16.7	16.9	16.9	20.6	22.3	23.8	24.0	25.0	25.0	25.0
95°	29.8	32.7	49.0	48.0	32.7	25.9	22.1	22.1	22.1	22.1	22.1
97.5°	56.9	61.1	63.8	85.5	90.3	87.2	71.1	59.8	53.4	50.5	53.4
100°	80.7	82.6	88.4	89.4	113.4	136.4	124.9	110.5	105.7	102.8	105.7
102.5°	104.5	105.7	114.5	118.6	124.1	137.2	177.2	172.8	169.5	168.9	169.5
105°	140.3	141.2	157.6	165.3	169.1	169.1	168.1	187.4	218.1	224.8	218.1
107.5°	178.5	182.9	202.2	222.7	227.1	228.3	223.3	220.4	219.3	220.0	219.3
110°	204.7	211.4	234.4	260.4	267.1	269.0	267.1	264.2	262.3	262.3	262.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	230.0	239.8	266.0	295.7	307.1	312.8	308.6	306.5	304.6	306.1	304.6
115°	269.0	283.4	318.0	348.8	371.8	374.7	373.8	373.8	372.8	372.8	372.8
117.5°	305.2	328.2	367.0	402.8	429.5	437.2	441.0	439.9	438.7	440.6	438.7
120°	330.5	357.4	401.6	442.0	467.9	479.4	483.3	481.4	483.3	481.4	483.3
122.5°	357.4	390.5	433.9	475.8	506.3	519.4	524.0	524.4	524.8	523.6	524.8
125°	397.8	438.1	489.1	532.3	564.0	579.4	583.2	584.2	586.1	590.9	586.1
127.5°	438.5	484.2	540.2	581.9	614.3	633.0	638.9	641.0	645.1	647.2	645.1
130°	467.0	518.8	575.5	614.9	646.6	666.8	677.4	680.3	685.1	684.1	685.1
132.5°	496.9	551.1	608.6	649.5	678.9	700.6	709.7	717.9	719.6	721.0	719.6
135°	540.9	599.5	657.2	697.5	725.4	746.5	758.1	765.8	770.6	773.4	770.6
137.5°	587.2	649.1	704.5	740.4	768.5	786.7	799.8	807.8	812.8	815.1	812.8
140°	618.8	678.3	732.1	769.6	794.6	812.8	824.4	834.0	839.7	839.7	839.7
142.5°	648.7	707.5	759.8	797.3	819.2	835.9	848.2	855.5	862.0	862.0	862.0
145°	690.8	749.4	797.5	834.9	853.2	868.6	882.0	887.8	891.6	891.6	891.6
147.5°	734.8	786.7	830.5	866.5	881.8	899.9	910.5	915.1	919.9	917.8	919.9
150°	761.0	809.0	851.3	884.9	900.3	917.6	928.1	932.0	936.8	933.9	936.8
152.5°	786.3	832.1	870.5	901.8	914.9	932.2	944.3	948.1	951.4	949.3	951.4
155°	820.5	860.9	896.4	925.3	936.8	953.1	964.6	969.5	973.3	968.5	973.3
157.5°	851.1	885.9	916.8	943.3	955.6	969.6	980.4	986.4	990.2	988.1	990.2
160°	869.5	901.2	929.1	954.1	965.6	978.1	989.6	996.4	1000.2	997.3	1000.2
162.5°	884.9	913.5	939.9	962.5	972.5	983.5	997.3	1003.3	1007.1	1003.5	1007.1
165°	907.0	930.1	953.1	972.3	981.0	989.6	1004.0	1010.8	1013.7	1009.8	1013.7
167.5°	923.7	941.4	960.0	976.6	982.9	991.4	1005.8	1011.3	1015.0	1010.2	1015.0
170°	932.9	948.3	964.6	978.1	982.9	990.6	1005.0	1009.8	1012.7	1007.9	1012.7
172.5°	940.6	952.2	965.4	977.3	979.8	986.0	999.6	1004.4	1006.5	1002.5	1006.5
175°	948.3	955.0	964.6	972.3	971.4	975.2	986.7	990.6	994.4	988.7	994.4
177.5°	952.0	955.0	958.1	962.7	959.7	959.7	968.1	970.4	971.2	968.1	971.2
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0
2.5°	1351.4	1347.9	1342.8	1342.7	1347.5	1351.5	1353.1	1354.7	1353.1	1351.5	1347.5
5°	1356.2	1350.4	1342.4	1341.1	1346.5	1351.1	1353.1	1355.1	1353.1	1351.1	1346.5
7.5°	1355.7	1351.5	1345.4	1344.4	1348.6	1352.0	1352.9	1353.7	1352.9	1352.0	1348.6
10°	1354.3	1349.7	1343.4	1343.3	1349.3	1353.8	1353.5	1353.2	1353.5	1353.8	1349.3
12.5°	1348.8	1345.6	1340.7	1342.6	1351.4	1357.4	1355.0	1352.7	1355.0	1357.4	1351.4
15°	1331.2	1331.9	1331.9	1338.0	1350.4	1358.5	1353.9	1349.3	1353.9	1358.5	1350.4
17.5°	1299.3	1303.5	1307.9	1318.4	1334.9	1345.9	1340.4	1335.0	1340.4	1345.9	1334.9
20°	1271.4	1277.2	1284.3	1297.5	1316.8	1329.9	1324.4	1318.9	1324.4	1329.9	1316.8
22.5°	1242.2	1248.7	1256.6	1270.8	1291.5	1305.4	1299.5	1293.6	1299.5	1305.4	1291.5
25°	1195.4	1200.5	1206.2	1219.6	1240.5	1255.1	1250.5	1245.9	1250.5	1255.1	1240.5
27.5°	1128.0	1134.0	1140.5	1153.6	1173.3	1187.4	1184.9	1182.3	1184.9	1187.4	1173.3
30°	1076.2	1084.4	1093.0	1105.0	1120.6	1131.9	1130.7	1129.6	1130.7	1131.9	1120.6
32.5°	1019.1	1026.6	1034.8	1045.7	1059.4	1069.3	1068.2	1067.0	1068.2	1069.3	1059.4
35°	918.1	926.7	936.2	945.1	953.4	959.8	960.4	960.9	960.4	959.8	953.4
37.5°	796.9	803.9	811.4	818.5	825.1	829.8	829.0	828.2	829.0	829.8	825.1
40°	700.8	709.3	720.3	728.4	733.9	737.8	737.3	736.7	737.3	737.8	733.9
42.5°	606.9	614.9	623.3	631.2	638.8	642.3	633.6	625.0	633.6	642.3	638.8
45°	454.5	468.9	479.0	484.0	484.0	477.5	451.4	425.2	451.4	477.5	484.0
47.5°	267.8	298.6	328.5	335.3	319.2	299.6	269.9	240.1	269.9	299.6	319.2
50°	160.7	194.5	235.9	243.2	216.5	191.4	171.3	151.2	171.3	191.4	216.5
52.5°	113.4	141.1	176.0	179.4	151.3	127.7	117.5	107.3	117.5	127.7	151.3
55°	70.5	82.9	98.7	99.6	85.5	74.0	70.3	66.6	70.3	74.0	85.5
57.5°	47.3	52.3	57.9	57.9	52.3	47.2	43.4	39.5	43.4	47.2	52.3
60°	30.9	36.0	41.7	42.3	37.7	33.5	30.3	27.1	30.3	33.5	37.7
62.5°	24.7	28.4	33.0	33.3	29.4	26.2	24.8	23.5	24.8	26.2	29.4
65°	20.5	21.1	21.7	21.8	21.5	21.3	21.0	20.7	21.0	21.3	21.5
67.5°	18.1	18.3	18.3	18.5	18.7	18.8	18.5	18.2	18.5	18.8	18.7
70°	16.1	16.4	16.7	16.8	16.8	16.7	16.4	16.2	16.4	16.7	16.8
72.5°	14.5	14.6	14.7	14.8	15.1	15.2	14.9	14.6	14.9	15.2	15.1
75°	11.6	11.8	12.1	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
77.5°	9.2	9.3	9.3	9.4	9.7	9.9	9.6	9.3	9.6	9.9	9.7
80°	7.7	7.8	7.8	7.9	8.2	8.3	8.0	7.8	8.0	8.3	8.2
82.5°	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.2	6.3	6.3	6.3
85°	3.2	3.2	3.2	3.4	3.7	3.9	3.9	3.9	3.9	3.9	3.7
87.5°	5.1	4.9	4.9	4.8	4.5	3.8	2.6	1.6	2.6	3.6	4.8
90°	20.2	19.2	19.2	18.3	15.4	11.5	6.7	2.9	6.7	10.6	17.3
92.5°	24.0	23.8	22.3	20.6	16.9	16.9	16.7	10.6	18.3	25.9	37.3
95°	22.1	22.1	25.9	32.7	48.0	49.0	32.7	29.8	42.3	59.6	74.9
97.5°	59.8	71.1	87.2	90.3	85.5	63.8	61.1	56.9	77.4	94.5	119.3
100°	110.5	124.9	136.4	113.4	89.4	88.4	82.6	80.7	102.8	119.1	143.2
102.5°	172.8	177.2	137.2	124.1	118.6	114.5	105.7	104.5	126.6	149.1	169.3
105°	187.4	168.1	169.1	169.1	165.3	157.6	141.2	140.3	165.3	191.2	216.2
107.5°	220.4	223.3	228.3	227.1	222.7	202.2	182.9	178.5	201.0	232.1	259.6
110°	264.2	267.1	269.0	267.1	260.4	234.4	211.4	204.7	224.8	257.5	287.3



TEST NUMBER: P1428527

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	306.5	308.6	312.8	307.1	295.7	266.0	239.8	230.0	250.2	283.6	314.2
115°	373.8	373.8	374.7	371.8	348.8	318.0	283.4	269.0	286.3	317.1	350.7
117.5°	439.9	441.0	437.2	429.5	402.8	367.0	328.2	305.2	318.8	351.3	385.9
120°	481.4	483.3	479.4	467.9	442.0	401.6	357.4	330.5	341.1	372.8	407.4
122.5°	524.4	524.0	519.4	506.3	475.8	433.9	390.5	357.4	361.8	391.2	425.1
125°	584.2	583.2	579.4	564.0	532.3	489.1	438.1	397.8	392.0	417.0	451.6
127.5°	641.0	638.9	633.0	614.3	581.9	540.2	484.2	438.5	425.6	441.4	473.1
130°	680.3	677.4	666.8	646.6	614.9	575.5	518.8	467.0	448.7	458.3	486.2
132.5°	717.9	709.7	700.6	678.9	649.5	608.6	551.1	496.9	471.8	476.0	497.7
135°	765.8	758.1	746.5	725.4	697.5	657.2	599.5	540.9	506.3	502.5	515.0
137.5°	807.8	799.8	786.7	768.5	740.4	704.5	649.1	587.2	543.6	530.7	535.6
140°	834.0	824.4	812.8	794.6	769.6	732.1	678.3	618.8	569.8	551.5	548.6
142.5°	855.5	848.2	835.9	819.2	797.3	759.8	707.5	648.7	596.7	573.0	566.3
145°	887.8	882.0	868.6	853.2	834.9	797.5	749.4	690.8	638.9	608.2	593.8
147.5°	915.1	910.5	899.9	881.8	866.5	830.5	786.7	734.8	681.6	643.5	624.9
150°	932.0	928.1	917.6	900.3	884.9	851.3	809.0	761.0	710.0	669.7	645.7
152.5°	948.1	944.3	932.2	914.9	901.8	870.5	832.1	786.3	734.6	694.3	669.5
155°	969.5	964.6	953.1	936.8	925.3	896.4	860.9	820.5	776.3	734.1	706.2
157.5°	986.4	980.4	969.6	955.6	943.3	916.8	885.9	851.1	812.5	772.1	743.7
160°	996.4	989.6	978.1	965.6	954.1	929.1	901.2	869.5	834.0	797.5	766.7
162.5°	1003.3	997.3	983.5	972.5	962.5	939.9	913.5	884.9	853.2	821.3	792.9
165°	1010.8	1004.0	989.6	981.0	972.3	953.1	930.1	907.0	880.1	854.2	831.1
167.5°	1011.3	1005.8	991.4	982.9	976.6	960.0	941.4	923.7	902.8	882.4	863.2
170°	1009.8	1005.0	990.6	982.9	978.1	964.6	948.3	932.9	916.6	899.3	883.9
172.5°	1004.4	999.6	986.0	979.8	977.3	965.4	952.2	940.6	926.6	913.9	901.6
175°	990.6	986.7	975.2	971.4	972.3	964.6	955.0	948.3	939.7	932.0	925.3
177.5°	970.4	968.1	959.7	959.7	962.7	958.1	955.0	952.0	948.1	945.8	943.5
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1428527

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0
2.5°	1342.7	1342.8	1347.9	1351.4	1350.2	1349.1	1350.2	1351.4	1347.9	1342.8	1342.7
5°	1341.1	1342.4	1350.4	1356.2	1355.3	1354.5	1355.3	1356.2	1350.4	1342.4	1341.1
7.5°	1344.4	1345.4	1351.5	1355.7	1354.4	1353.1	1354.4	1355.7	1351.5	1345.4	1344.4
10°	1343.3	1343.4	1349.7	1354.3	1353.4	1352.5	1353.4	1354.3	1349.7	1343.4	1343.3
12.5°	1342.6	1340.7	1345.6	1348.8	1346.8	1344.8	1346.8	1348.8	1345.6	1340.7	1342.6
15°	1338.0	1331.9	1331.9	1331.2	1328.3	1325.4	1328.3	1331.2	1331.9	1331.9	1338.0
17.5°	1318.4	1307.9	1303.5	1299.3	1295.8	1292.3	1295.8	1299.3	1303.5	1307.9	1318.4
20°	1297.5	1284.3	1277.2	1271.4	1270.0	1268.5	1270.0	1271.4	1277.2	1284.3	1297.5
22.5°	1270.8	1256.6	1248.7	1242.2	1239.9	1237.5	1239.9	1242.2	1248.7	1256.6	1270.8
25°	1219.6	1206.2	1200.5	1195.4	1192.2	1189.1	1192.2	1195.4	1200.5	1206.2	1219.6
27.5°	1153.6	1140.5	1134.0	1128.0	1123.6	1119.3	1123.6	1128.0	1134.0	1140.5	1153.6
30°	1105.0	1093.0	1084.4	1076.2	1069.3	1062.4	1069.3	1076.2	1084.4	1093.0	1105.0
32.5°	1045.7	1034.8	1026.6	1019.1	1013.6	1008.1	1013.6	1019.1	1026.6	1034.8	1045.7
35°	945.1	936.2	926.7	918.1	912.4	906.7	912.4	918.1	926.7	936.2	945.1
37.5°	818.5	811.4	803.9	796.9	791.1	785.3	791.1	796.9	803.9	811.4	818.5
40°	728.4	720.3	709.3	700.8	699.4	697.9	699.4	700.8	709.3	720.3	728.4
42.5°	631.2	623.3	614.9	606.9	600.2	593.5	600.2	606.9	614.9	623.3	631.2
45°	484.0	479.0	468.9	454.5	426.9	399.4	426.9	454.5	468.9	479.0	484.0
47.5°	335.3	328.5	298.6	267.8	234.3	200.8	234.3	267.8	298.6	328.5	335.3
50°	243.2	235.9	194.5	160.7	149.5	138.3	149.5	160.7	194.5	235.9	243.2
52.5°	179.4	176.0	141.1	113.4	107.5	101.6	107.5	113.4	141.1	176.0	179.4
55°	99.6	98.7	82.9	70.5	68.2	65.9	68.2	70.5	82.9	98.7	99.6
57.5°	57.9	57.9	52.3	47.3	43.7	40.1	43.7	47.3	52.3	57.9	57.9
60°	42.3	41.7	36.0	30.9	27.7	24.6	27.7	30.9	36.0	41.7	42.3
62.5°	33.3	33.0	28.4	24.7	23.6	22.5	23.6	24.7	28.4	33.0	33.3
65°	21.8	21.7	21.1	20.5	20.0	19.4	20.0	20.5	21.1	21.7	21.8
67.5°	18.5	18.3	18.3	18.1	17.6	17.1	17.6	18.1	18.3	18.3	18.5
70°	16.8	16.7	16.4	16.1	15.8	15.5	15.8	16.1	16.4	16.7	16.8
72.5°	14.8	14.7	14.6	14.5	14.0	13.4	14.0	14.5	14.6	14.7	14.8
75°	12.3	12.1	11.8	11.6	11.3	11.0	11.3	11.6	11.8	12.1	12.3
77.5°	9.4	9.3	9.3	9.2	8.9	8.7	8.9	9.2	9.3	9.3	9.4
80°	7.9	7.8	7.8	7.7	7.4	7.1	7.4	7.7	7.8	7.8	7.9
82.5°	6.2	6.2	6.2	6.1	5.8	5.6	5.8	6.1	6.2	6.2	6.2
85°	3.4	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.4
87.5°	5.6	6.8	8.1	8.9	9.7	9.3	9.7	8.9	8.1	6.8	5.6
90°	22.1	28.8	35.5	39.4	43.2	41.3	43.2	39.4	35.5	28.8	22.1
92.5°	44.4	55.7	64.0	70.9	74.0	73.6	74.0	70.9	64.0	55.7	44.4
95°	89.4	102.8	116.3	125.9	131.6	129.7	131.6	125.9	116.3	102.8	89.4
97.5°	137.8	155.8	170.8	179.9	185.6	189.5	185.6	179.9	170.8	155.8	137.8
100°	170.1	187.4	204.7	215.2	224.8	228.7	224.8	215.2	204.7	187.4	170.1
102.5°	196.2	218.9	237.7	249.0	257.1	261.0	257.1	249.0	237.7	218.9	196.2
105°	239.2	263.3	283.4	297.8	306.5	309.4	306.5	297.8	283.4	263.3	239.2
107.5°	282.3	307.1	325.7	341.7	352.2	358.4	352.2	341.7	325.7	307.1	282.3
110°	316.1	336.3	356.5	370.9	381.4	385.3	381.4	370.9	356.5	336.3	316.1

TEST NUMBER: P1428527

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	344.5	367.0	387.2	401.6	413.7	419.1	413.7	401.6	387.2	367.0	344.5
115°	384.3	414.1	432.4	445.8	454.5	459.3	454.5	445.8	432.4	414.1	384.3
117.5°	417.4	448.5	468.5	478.9	482.9	486.4	482.9	478.9	468.5	448.5	417.4
120°	438.1	467.0	490.0	503.5	508.3	510.2	508.3	503.5	490.0	467.0	438.1
122.5°	457.3	484.6	506.9	523.4	531.3	533.2	531.3	523.4	506.9	484.6	457.3
125°	484.2	510.2	533.2	549.6	558.2	563.0	558.2	549.6	533.2	510.2	484.2
127.5°	507.7	535.7	556.9	571.7	580.1	584.0	580.1	571.7	556.9	535.7	507.7
130°	520.8	549.6	570.7	587.1	594.7	598.6	594.7	587.1	570.7	549.6	520.8
132.5°	530.7	561.1	583.0	597.8	606.3	610.1	606.3	597.8	583.0	561.1	530.7
135°	542.9	574.6	597.6	612.0	619.7	623.6	619.7	612.0	597.6	574.6	542.9
137.5°	553.4	582.2	606.3	621.4	628.4	630.9	628.4	621.4	606.3	582.2	553.4
140°	561.1	586.1	610.1	624.5	632.2	633.2	632.2	624.5	610.1	586.1	561.1
142.5°	571.1	590.7	611.6	626.1	633.7	635.5	633.7	626.1	611.6	590.7	571.1
145°	589.0	600.5	614.9	628.4	635.1	637.0	635.1	628.4	614.9	600.5	589.0
147.5°	611.5	615.1	622.6	631.4	638.0	639.3	638.0	631.4	622.6	615.1	611.5
150°	628.4	627.4	630.3	636.1	641.8	640.9	641.8	636.1	630.3	627.4	628.4
152.5°	647.6	642.0	641.8	644.5	647.2	647.0	647.2	644.5	641.8	642.0	647.6
155°	680.3	669.7	663.9	662.0	662.0	661.0	662.0	662.0	663.9	669.7	680.3
157.5°	716.2	701.4	692.7	688.1	686.8	684.7	686.8	688.1	692.7	701.4	716.2
160°	740.8	724.4	715.8	708.1	705.2	702.3	705.2	708.1	715.8	724.4	740.8
162.5°	763.8	748.3	738.9	731.9	729.1	724.6	729.1	731.9	738.9	748.3	763.8
165°	801.3	785.0	774.4	768.6	764.8	761.0	764.8	768.6	774.4	785.0	801.3
167.5°	838.8	820.9	814.0	807.5	803.8	796.9	803.8	807.5	814.0	820.9	838.8
170°	861.8	845.5	841.7	835.9	829.2	821.5	829.2	835.9	841.7	845.5	861.8
172.5°	881.8	870.9	867.0	861.3	859.2	853.0	859.2	861.3	867.0	870.9	881.8
175°	910.8	902.2	902.2	901.2	898.4	892.6	898.4	901.2	902.2	902.2	910.8
177.5°	935.1	930.4	933.5	933.5	932.8	927.4	932.8	933.5	933.5	930.4	935.1
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1428527

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1348.0	1348.0	1348.0	1348.0
2.5°	1347.5	1351.5	1353.1	1354.7
5°	1346.5	1351.1	1353.1	1355.1
7.5°	1348.6	1352.0	1352.9	1353.7
10°	1349.3	1353.8	1353.5	1353.2
12.5°	1351.4	1357.4	1355.0	1352.7
15°	1350.4	1358.5	1353.9	1349.3
17.5°	1334.9	1345.9	1340.4	1335.0
20°	1316.8	1329.9	1324.4	1318.9
22.5°	1291.5	1305.4	1299.5	1293.6
25°	1240.5	1255.1	1250.5	1245.9
27.5°	1173.3	1187.4	1184.9	1182.3
30°	1120.6	1131.9	1130.7	1129.6
32.5°	1059.4	1069.3	1068.2	1067.0
35°	953.4	959.8	960.4	960.9
37.5°	825.1	829.8	829.0	828.2
40°	733.9	737.8	737.3	736.7
42.5°	638.8	642.3	633.6	625.0
45°	484.0	477.5	451.4	425.2
47.5°	319.2	299.6	269.9	240.1
50°	216.5	191.4	171.3	151.2
52.5°	151.3	127.7	117.5	107.3
55°	85.5	74.0	70.3	66.6
57.5°	52.3	47.2	43.4	39.5
60°	37.7	33.5	30.3	27.1
62.5°	29.4	26.2	24.8	23.5
65°	21.5	21.3	21.0	20.7
67.5°	18.7	18.8	18.5	18.2
70°	16.8	16.7	16.4	16.2
72.5°	15.1	15.2	14.9	14.6
75°	12.3	12.3	12.3	12.3
77.5°	9.7	9.9	9.6	9.3
80°	8.2	8.3	8.0	7.8
82.5°	6.3	6.3	6.3	6.2
85°	3.7	3.9	3.9	3.9
87.5°	4.8	3.6	2.6	1.6
90°	17.3	10.6	6.7	2.9
92.5°	37.3	25.9	18.3	10.6
95°	74.9	59.6	42.3	29.8
97.5°	119.3	94.5	77.4	56.9
100°	143.2	119.1	102.8	80.7
102.5°	169.3	149.1	126.6	104.5
105°	216.2	191.2	165.3	140.3
107.5°	259.6	232.1	201.0	178.5
110°	287.3	257.5	224.8	204.7

TEST NUMBER: P1428527

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	314.2	283.6	250.2	230.0
115°	350.7	317.1	286.3	269.0
117.5°	385.9	351.3	318.8	305.2
120°	407.4	372.8	341.1	330.5
122.5°	425.1	391.2	361.8	357.4
125°	451.6	417.0	392.0	397.8
127.5°	473.1	441.4	425.6	438.5
130°	486.2	458.3	448.7	467.0
132.5°	497.7	476.0	471.8	496.9
135°	515.0	502.5	506.3	540.9
137.5°	535.6	530.7	543.6	587.2
140°	548.6	551.5	569.8	618.8
142.5°	566.3	573.0	596.7	648.7
145°	593.8	608.2	638.9	690.8
147.5°	624.9	643.5	681.6	734.8
150°	645.7	669.7	710.0	761.0
152.5°	669.5	694.3	734.6	786.3
155°	706.2	734.1	776.3	820.5
157.5°	743.7	772.1	812.5	851.1
160°	766.7	797.5	834.0	869.5
162.5°	792.9	821.3	853.2	884.9
165°	831.1	854.2	880.1	907.0
167.5°	863.2	882.4	902.8	923.7
170°	883.9	899.3	916.6	932.9
172.5°	901.6	913.9	926.6	940.6
175°	925.3	932.0	939.7	948.3
177.5°	943.5	945.8	948.1	952.0
180°	951.2	951.2	951.2	951.2



TEST NUMBER: P1428527  
 CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L930-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	1.92	2.61	2.97	3.64	5.02	1.91	2.60	2.96	3.63	5.00
	3H	2.61	3.22	3.66	4.26	5.65	2.53	3.14	3.59	4.18	5.58
	4H	2.97	3.55	4.04	4.59	5.99	2.84	3.41	3.90	4.45	5.86
	6H	3.24	3.77	4.31	4.81	6.23	3.07	3.60	4.14	4.64	6.05
	8H	3.36	3.86	4.43	4.92	6.33	3.16	3.66	4.24	4.72	6.13
	12H	3.44	3.91	4.52	4.96	6.39	3.21	3.69	4.29	4.74	6.17
4H	2H	2.01	2.59	3.08	3.63	5.03	2.00	2.58	3.07	3.62	5.02
	3H	2.95	3.42	4.02	4.49	5.91	2.87	3.35	3.95	4.41	5.83
	4H	3.46	3.89	4.54	4.95	6.39	3.31	3.75	4.39	4.81	6.24
	6H	3.88	4.25	4.97	5.33	6.77	3.69	4.06	4.77	5.14	6.57
	8H	4.07	4.42	5.16	5.49	6.94	3.85	4.20	4.94	5.27	6.71
	12H	4.20	4.51	5.30	5.60	7.05	3.94	4.25	5.04	5.34	6.79
8H	4H	3.57	3.92	4.66	4.99	6.44	3.44	3.79	4.53	4.86	6.31
	6H	4.15	4.43	5.25	5.55	6.99	3.96	4.24	5.07	5.36	6.80
	8H	4.44	4.69	5.55	5.79	7.25	4.23	4.47	5.34	5.57	7.04
	12H	4.66	4.88	5.77	5.97	7.47	4.39	4.61	5.51	5.70	7.21
12H	4H	3.55	3.86	4.65	4.95	6.40	3.42	3.73	4.53	4.82	6.27
	6H	4.18	4.43	5.30	5.53	6.99	4.01	4.25	5.12	5.35	6.82
	8H	4.51	4.73	5.62	5.82	7.32	4.30	4.52	5.42	5.61	7.12