

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: P1428503

Luminaire Tested: SQ2W-WBM-K-025U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428503  
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-025U-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 250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

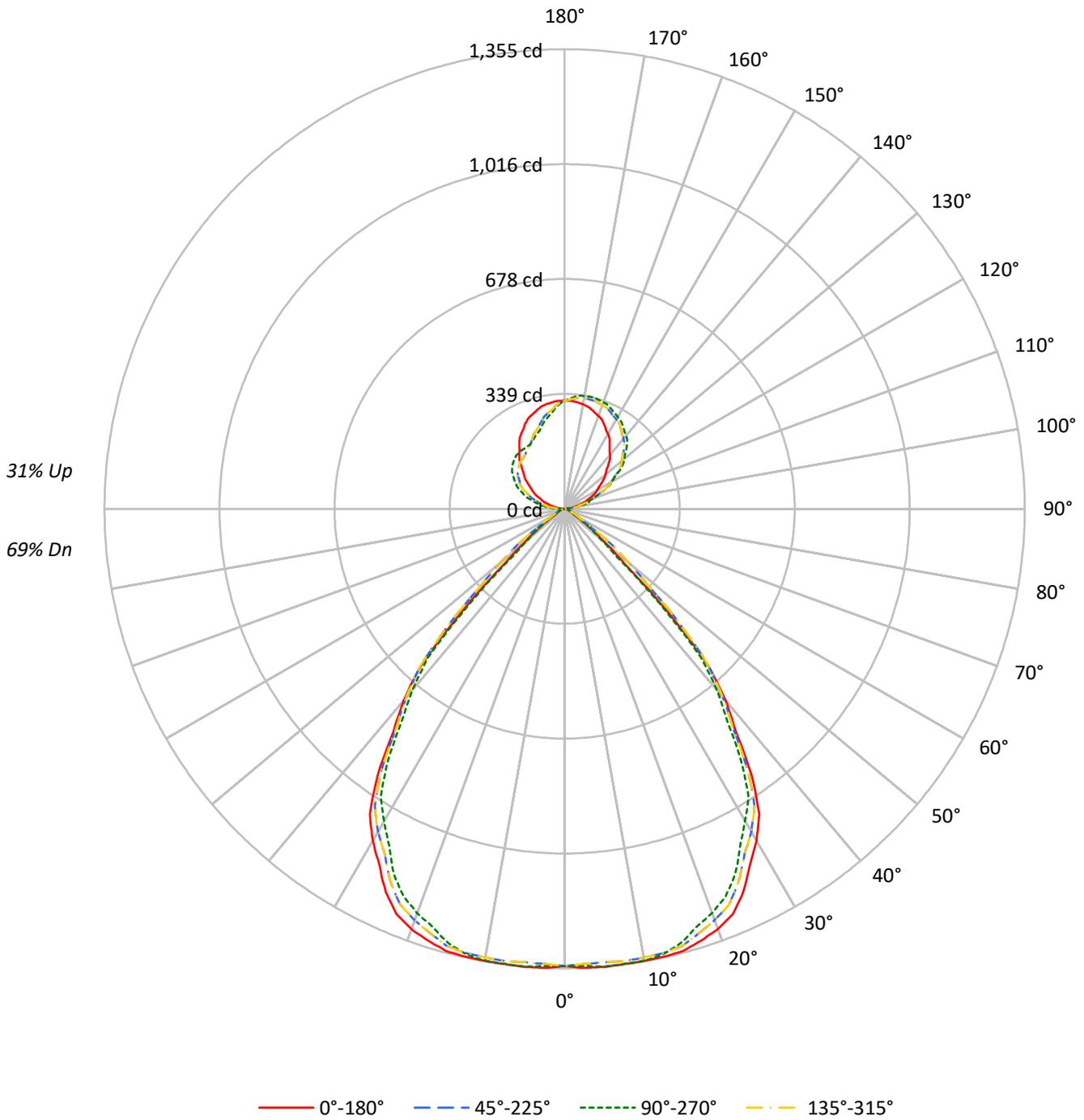
Lumens per Lamp: N/A  
Luminaire Lumens: 3040.9 lumens  
Efficiency: N/A  
Efficacy: 118.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 25.6  
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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### 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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	69				
1	105	101	98	95	99	96	93	91	86	84	82	77	76	75	69	68	67	63				
2	97	91	86	82	92	87	83	79	79	75	73	71	69	67	64	62	61	57				
3	91	83	77	72	86	79	74	69	72	68	64	65	62	60	59	57	55	52				
4	84	75	69	64	80	72	66	61	66	61	57	60	57	54	55	52	50	47				
5	79	69	62	57	75	66	60	55	61	55	52	56	52	48	51	48	45	43				
6	73	63	56	51	70	60	54	49	56	50	47	51	47	44	47	44	41	39				
7	69	58	51	46	65	56	49	45	51	46	42	48	43	40	44	40	38	36				
8	64	53	46	41	61	51	45	40	48	42	38	44	40	37	41	37	35	33				
9	60	49	42	38	58	48	41	37	44	39	35	41	37	34	38	35	32	30				
10	57	46	39	35	54	44	38	34	41	36	32	38	34	31	36	32	29	28				

**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	4.2
10°-20°	376.9	12.4
20°-30°	557.2	18.3
30°-40°	576.5	19.0
40°-50°	346.8	11.4
50°-60°	82.9	2.7
60°-70°	22.7	0.7
70°-80°	12.7	0.4
80°-90°	5.3	0.2
90°-100°	25.4	0.8
100°-110°	74.0	2.4
110°-120°	120.8	4.0
120°-130°	153.3	5.0
130°-140°	164.0	5.4
140°-150°	153.1	5.0
150°-160°	126.0	4.1
160°-170°	84.5	2.8
170°-180°	30.0	1.0
0°-30°	1063.0	35.0
0°-40°	1639.5	53.9
0°-60°	2069.2	68.0
0°-90°	2109.9	69.4
90°-120°	220.2	7.2
90°-150°	690.5	22.7
90°-180°	931.0	30.6
0°-180°	3040.9	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°	1	7	1	14	1	1
95°	10	7	10	44	10	12
105°	47	75	47	104	47	50
115°	90	125	90	154	90	89
125°	133	198	133	189	133	119
135°	181	259	181	209	181	140
145°	232	299	232	214	232	145
155°	275	325	275	222	275	126
165°	304	338	304	255	304	86
175°	318	331	318	299	318	30
180°	319	319	319	319	319	



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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°	1.2	1.7	2.3	2.4	2.4	2.3	2.3	2.4	2.5	2.5	2.5
90°	1.0	2.3	3.9	5.2	6.1	6.4	6.4	6.8	7.1	7.1	7.1
92.5°	3.5	5.6	5.7	5.7	6.9	7.5	8.0	8.1	8.4	8.4	8.4
95°	10.0	11.0	16.4	16.1	11.0	8.7	7.4	7.4	7.4	7.4	7.4
97.5°	19.1	20.5	21.4	28.7	30.3	29.2	23.8	20.0	17.9	16.9	17.9
100°	27.1	27.7	29.6	30.0	38.0	45.7	41.9	37.0	35.4	34.5	35.4
102.5°	35.0	35.4	38.4	39.7	41.6	46.0	59.4	57.9	56.8	56.6	56.8
105°	47.0	47.3	52.8	55.4	56.7	56.7	56.4	62.8	73.1	75.4	73.1
107.5°	59.8	61.3	67.8	74.7	76.1	76.5	74.9	73.9	73.5	73.8	73.5
110°	68.6	70.9	78.6	87.3	89.5	90.2	89.5	88.6	87.9	87.9	87.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	77.1	80.4	89.2	99.1	102.9	104.9	103.5	102.7	102.1	102.6	102.1
115°	90.2	95.0	106.6	116.9	124.6	125.6	125.3	125.3	125.0	125.0	125.0
117.5°	102.3	110.0	123.0	135.0	144.0	146.5	147.8	147.5	147.1	147.7	147.1
120°	110.8	119.8	134.6	148.2	156.9	160.7	162.0	161.4	162.0	161.4	162.0
122.5°	119.8	130.9	145.5	159.5	169.7	174.1	175.7	175.8	175.9	175.5	175.9
125°	133.3	146.9	163.9	178.4	189.1	194.2	195.5	195.8	196.5	198.1	196.5
127.5°	147.0	162.3	181.1	195.1	205.9	212.2	214.2	214.9	216.2	217.0	216.2
130°	156.5	173.9	192.9	206.1	216.8	223.5	227.1	228.0	229.6	229.3	229.6
132.5°	166.6	184.7	204.0	217.7	227.6	234.9	237.9	240.7	241.2	241.7	241.2
135°	181.3	201.0	220.3	233.8	243.2	250.3	254.1	256.7	258.3	259.3	258.3
137.5°	196.9	217.6	236.2	248.2	257.6	263.7	268.1	270.8	272.5	273.3	272.5
140°	207.4	227.4	245.4	258.0	266.4	272.5	276.3	279.6	281.5	281.5	281.5
142.5°	217.5	237.2	254.7	267.3	274.6	280.2	284.3	286.8	289.0	289.0	289.0
145°	231.6	251.2	267.3	279.9	286.0	291.2	295.7	297.6	298.9	298.9	298.9
147.5°	246.3	263.7	278.4	290.5	295.6	301.7	305.2	306.8	308.4	307.7	308.4
150°	255.1	271.2	285.4	296.6	301.8	307.6	311.1	312.4	314.0	313.1	314.0
152.5°	263.6	278.9	291.8	302.3	306.7	312.5	316.5	317.8	318.9	318.2	318.9
155°	275.1	288.6	300.5	310.2	314.0	319.5	323.4	325.0	326.3	324.7	326.3
157.5°	285.3	297.0	307.3	316.2	320.3	325.0	328.7	330.7	331.9	331.2	331.9
160°	291.5	302.1	311.5	319.8	323.7	327.9	331.7	334.0	335.3	334.3	335.3
162.5°	296.6	306.2	315.1	322.7	326.0	329.7	334.3	336.3	337.6	336.4	337.6
165°	304.0	311.8	319.5	326.0	328.8	331.7	336.6	338.8	339.8	338.5	339.8
167.5°	309.7	315.6	321.8	327.4	329.5	332.3	337.2	339.0	340.3	338.6	340.3
170°	312.7	317.9	323.4	327.9	329.5	332.1	336.9	338.5	339.5	337.9	339.5
172.5°	315.3	319.2	323.6	327.6	328.5	330.5	335.1	336.7	337.4	336.1	337.4
175°	317.9	320.2	323.4	326.0	325.6	326.9	330.8	332.1	333.4	331.4	333.4
177.5°	319.1	320.2	321.2	322.7	321.7	321.7	324.5	325.3	325.6	324.5	325.6
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



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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°	2.4	2.3	2.3	2.4	2.4	2.3	1.7	1.2	1.7	2.2	2.5
90°	6.8	6.4	6.4	6.1	5.2	3.9	2.3	1.0	2.3	3.5	5.8
92.5°	8.1	8.0	7.5	6.9	5.7	5.7	5.6	3.5	6.1	8.7	12.5
95°	7.4	7.4	8.7	11.0	16.1	16.4	11.0	10.0	14.2	20.0	25.1
97.5°	20.0	23.8	29.2	30.3	28.7	21.4	20.5	19.1	26.0	31.7	40.0
100°	37.0	41.9	45.7	38.0	30.0	29.6	27.7	27.1	34.5	39.9	48.0
102.5°	57.9	59.4	46.0	41.6	39.7	38.4	35.4	35.0	42.5	50.0	56.8
105°	62.8	56.4	56.7	56.7	55.4	52.8	47.3	47.0	55.4	64.1	72.5
107.5°	73.9	74.9	76.5	76.1	74.7	67.8	61.3	59.8	67.4	77.8	87.0
110°	88.6	89.5	90.2	89.5	87.3	78.6	70.9	68.6	75.4	86.3	96.3



TEST NUMBER: P1428503

CATALOG NUMBER: SQ2W-WBM-K-025U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	102.7	103.5	104.9	102.9	99.1	89.2	80.4	77.1	83.9	95.1	105.3
115°	125.3	125.3	125.6	124.6	116.9	106.6	95.0	90.2	96.0	106.3	117.6
117.5°	147.5	147.8	146.5	144.0	135.0	123.0	110.0	102.3	106.9	117.8	129.3
120°	161.4	162.0	160.7	156.9	148.2	134.6	119.8	110.8	114.3	125.0	136.6
122.5°	175.8	175.7	174.1	169.7	159.5	145.5	130.9	119.8	121.3	131.2	142.5
125°	195.8	195.5	194.2	189.1	178.4	163.9	146.9	133.3	131.4	139.8	151.4
127.5°	214.9	214.2	212.2	205.9	195.1	181.1	162.3	147.0	142.7	148.0	158.6
130°	228.0	227.1	223.5	216.8	206.1	192.9	173.9	156.5	150.4	153.6	163.0
132.5°	240.7	237.9	234.9	227.6	217.7	204.0	184.7	166.6	158.1	159.6	166.8
135°	256.7	254.1	250.3	243.2	233.8	220.3	201.0	181.3	169.7	168.5	172.6
137.5°	270.8	268.1	263.7	257.6	248.2	236.2	217.6	196.9	182.2	177.9	179.5
140°	279.6	276.3	272.5	266.4	258.0	245.4	227.4	207.4	191.0	184.9	183.9
142.5°	286.8	284.3	280.2	274.6	267.3	254.7	237.2	217.5	200.0	192.1	189.8
145°	297.6	295.7	291.2	286.0	279.9	267.3	251.2	231.6	214.2	203.9	199.0
147.5°	306.8	305.2	301.7	295.6	290.5	278.4	263.7	246.3	228.5	215.7	209.5
150°	312.4	311.1	307.6	301.8	296.6	285.4	271.2	255.1	238.0	224.5	216.4
152.5°	317.8	316.5	312.5	306.7	302.3	291.8	278.9	263.6	246.3	232.7	224.4
155°	325.0	323.4	319.5	314.0	310.2	300.5	288.6	275.1	260.2	246.1	236.7
157.5°	330.7	328.7	325.0	320.3	316.2	307.3	297.0	285.3	272.4	258.8	249.3
160°	334.0	331.7	327.9	323.7	319.8	311.5	302.1	291.5	279.6	267.3	257.0
162.5°	336.3	334.3	329.7	326.0	322.7	315.1	306.2	296.6	286.0	275.3	265.8
165°	338.8	336.6	331.7	328.8	326.0	319.5	311.8	304.0	295.0	286.3	278.6
167.5°	339.0	337.2	332.3	329.5	327.4	321.8	315.6	309.7	302.6	295.8	289.4
170°	338.5	336.9	332.1	329.5	327.9	323.4	317.9	312.7	307.3	301.5	296.3
172.5°	336.7	335.1	330.5	328.5	327.6	323.6	319.2	315.3	310.6	306.4	302.2
175°	332.1	330.8	326.9	325.6	326.0	323.4	320.2	317.9	315.0	312.4	310.2
177.5°	325.3	324.5	321.7	321.7	322.7	321.2	320.2	319.1	317.8	317.1	316.3
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428503

CATALOG NUMBER: SQ2W-WBM-K-025U-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°	2.6	3.0	3.4	3.7	3.9	3.8	3.9	3.7	3.4	3.0	2.6
90°	7.4	9.7	11.9	13.2	14.5	13.8	14.5	13.2	11.9	9.7	7.4
92.5°	14.9	18.7	21.5	23.8	24.8	24.7	24.8	23.8	21.5	18.7	14.9
95°	30.0	34.5	39.0	42.2	44.1	43.5	44.1	42.2	39.0	34.5	30.0
97.5°	46.2	52.2	57.3	60.3	62.2	63.5	62.2	60.3	57.3	52.2	46.2
100°	57.0	62.8	68.6	72.1	75.4	76.7	75.4	72.1	68.6	62.8	57.0
102.5°	65.8	73.4	79.7	83.5	86.2	87.5	86.2	83.5	79.7	73.4	65.8
105°	80.2	88.3	95.0	99.8	102.7	103.7	102.7	99.8	95.0	88.3	80.2
107.5°	94.6	102.9	109.2	114.5	118.1	120.1	118.1	114.5	109.2	102.9	94.6
110°	106.0	112.7	119.5	124.3	127.9	129.2	127.9	124.3	119.5	112.7	106.0



TEST NUMBER: P1428503

CATALOG NUMBER: SQ2W-WBM-K-025U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	115.5	123.0	129.8	134.6	138.7	140.5	138.7	134.6	129.8	123.0	115.5
115°	128.8	138.8	144.9	149.4	152.3	154.0	152.3	149.4	144.9	138.8	128.8
117.5°	139.9	150.3	157.0	160.5	161.9	163.0	161.9	160.5	157.0	150.3	139.9
120°	146.9	156.5	164.3	168.8	170.4	171.0	170.4	168.8	164.3	156.5	146.9
122.5°	153.3	162.5	169.9	175.5	178.1	178.8	178.1	175.5	169.9	162.5	153.3
125°	162.3	171.0	178.8	184.2	187.1	188.7	187.1	184.2	178.8	171.0	162.3
127.5°	170.2	179.6	186.7	191.6	194.5	195.8	194.5	191.6	186.7	179.6	170.2
130°	174.6	184.2	191.3	196.8	199.4	200.7	199.4	196.8	191.3	184.2	174.6
132.5°	177.9	188.1	195.4	200.4	203.2	204.5	203.2	200.4	195.4	188.1	177.9
135°	182.0	192.6	200.3	205.2	207.7	209.0	207.7	205.2	200.3	192.6	182.0
137.5°	185.5	195.2	203.2	208.3	210.6	211.5	210.6	208.3	203.2	195.2	185.5
140°	188.1	196.5	204.5	209.4	211.9	212.3	211.9	209.4	204.5	196.5	188.1
142.5°	191.4	198.0	205.0	209.9	212.4	213.0	212.4	209.9	205.0	198.0	191.4
145°	197.4	201.3	206.1	210.6	212.9	213.5	212.9	210.6	206.1	201.3	197.4
147.5°	205.0	206.2	208.7	211.7	213.9	214.3	213.9	211.7	208.7	206.2	205.0
150°	210.6	210.3	211.3	213.2	215.2	214.8	215.2	213.2	211.3	210.3	210.6
152.5°	217.1	215.2	215.2	216.1	217.0	216.9	217.0	216.1	215.2	215.2	217.1
155°	228.0	224.5	222.6	221.9	221.9	221.6	221.9	221.9	222.6	224.5	228.0
157.5°	240.1	235.1	232.2	230.7	230.2	229.5	230.2	230.7	232.2	235.1	240.1
160°	248.3	242.9	240.0	237.4	236.4	235.4	236.4	237.4	240.0	242.9	248.3
162.5°	256.1	250.8	247.7	245.4	244.4	242.9	244.4	245.4	247.7	250.8	256.1
165°	268.6	263.1	259.6	257.7	256.4	255.1	256.4	257.7	259.6	263.1	268.6
167.5°	281.2	275.2	272.9	270.7	269.5	267.1	269.5	270.7	272.9	275.2	281.2
170°	288.9	283.4	282.1	280.2	278.0	275.4	278.0	280.2	282.1	283.4	288.9
172.5°	295.6	291.9	290.6	288.7	288.0	285.9	288.0	288.7	290.6	291.9	295.6
175°	305.3	302.4	302.4	302.1	301.1	299.2	301.1	302.1	302.4	302.4	305.3
177.5°	313.5	311.9	312.9	312.9	312.7	310.9	312.7	312.9	312.9	311.9	313.5
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428503

CATALOG NUMBER: SQ2W-WBM-K-025U-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°	2.5	2.2	1.7	1.2
90°	5.8	3.5	2.3	1.0
92.5°	12.5	8.7	6.1	3.5
95°	25.1	20.0	14.2	10.0
97.5°	40.0	31.7	26.0	19.1
100°	48.0	39.9	34.5	27.1
102.5°	56.8	50.0	42.5	35.0
105°	72.5	64.1	55.4	47.0
107.5°	87.0	77.8	67.4	59.8
110°	96.3	86.3	75.4	68.6



TEST NUMBER: P1428503

CATALOG NUMBER: SQ2W-WBM-K-025U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	105.3	95.1	83.9	77.1
115°	117.6	106.3	96.0	90.2
117.5°	129.3	117.8	106.9	102.3
120°	136.6	125.0	114.3	110.8
122.5°	142.5	131.2	121.3	119.8
125°	151.4	139.8	131.4	133.3
127.5°	158.6	148.0	142.7	147.0
130°	163.0	153.6	150.4	156.5
132.5°	166.8	159.6	158.1	166.6
135°	172.6	168.5	169.7	181.3
137.5°	179.5	177.9	182.2	196.9
140°	183.9	184.9	191.0	207.4
142.5°	189.8	192.1	200.0	217.5
145°	199.0	203.9	214.2	231.6
147.5°	209.5	215.7	228.5	246.3
150°	216.4	224.5	238.0	255.1
152.5°	224.4	232.7	246.3	263.6
155°	236.7	246.1	260.2	275.1
157.5°	249.3	258.8	272.4	285.3
160°	257.0	267.3	279.6	291.5
162.5°	265.8	275.3	286.0	296.6
165°	278.6	286.3	295.0	304.0
167.5°	289.4	295.8	302.6	309.7
170°	296.3	301.5	307.3	312.7
172.5°	302.2	306.4	310.6	315.3
175°	310.2	312.4	315.0	317.9
177.5°	316.3	317.1	317.8	319.1
180°	318.9	318.9	318.9	318.9



TEST NUMBER: P1428503  
 CATALOG NUMBER: SQ2W-WBM-K-025U-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	4.35	5.19	5.16	5.99	6.97	4.34	5.18	5.15	5.98	6.96
	3H	5.04	5.79	5.86	6.60	7.61	4.97	5.71	5.79	6.52	7.53
	4H	5.41	6.11	6.25	6.93	7.95	5.28	5.98	6.12	6.79	7.82
	6H	5.69	6.33	6.54	7.15	8.18	5.52	6.15	6.36	6.98	8.01
	8H	5.81	6.41	6.67	7.26	8.29	5.62	6.22	6.47	7.06	8.09
	12H	5.89	6.46	6.75	7.30	8.35	5.67	6.24	6.53	7.08	8.13
4H	2H	4.45	5.15	5.30	5.97	6.99	4.44	5.14	5.29	5.96	6.98
	3H	5.40	5.97	6.25	6.82	7.86	5.32	5.89	6.17	6.75	7.78
	4H	5.91	6.43	6.77	7.28	8.34	5.77	6.28	6.63	7.13	8.20
	6H	6.34	6.78	7.22	7.66	8.73	6.14	6.58	7.02	7.46	8.53
	8H	6.53	6.94	7.41	7.81	8.89	6.31	6.72	7.19	7.59	8.67
	12H	6.66	7.03	7.55	7.92	9.00	6.40	6.77	7.29	7.66	8.74
8H	4H	6.03	6.44	6.91	7.31	8.39	5.90	6.31	6.78	7.18	8.26
	6H	6.60	6.94	7.51	7.85	8.93	6.42	6.75	7.32	7.67	8.74
	8H	6.89	7.19	7.81	8.10	9.19	6.68	6.98	7.60	7.89	8.98
	12H	7.12	7.38	8.03	8.27	9.42	6.85	7.11	7.76	8.01	9.16
12H	4H	6.01	6.38	6.91	7.27	8.35	5.89	6.25	6.78	7.14	8.22
	6H	6.64	6.94	7.55	7.84	8.94	6.46	6.76	7.38	7.67	8.76
	8H	6.97	7.23	7.88	8.13	9.28	6.76	7.02	7.68	7.92	9.07