

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: P1428552

Luminaire Tested: SQ2W-WBM-K-125U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428552  
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-125U-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 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

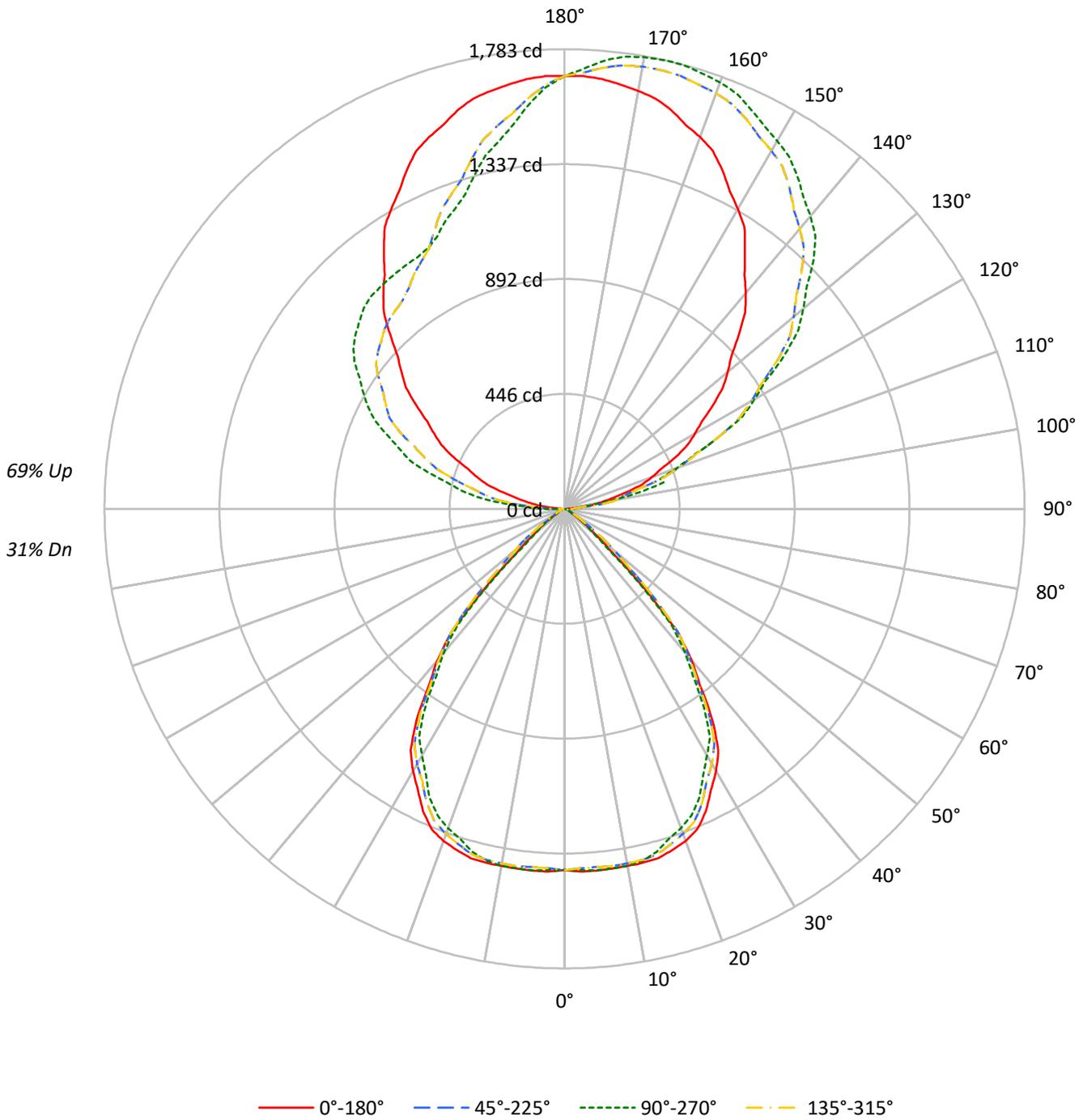
Lumens per Lamp: N/A  
Luminaire Lumens: 7101.3 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: SQ2W-WBM-K-125U-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	50	30	10	0	
RCR																						
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31				31
1	95	91	87	84	85	82	79	77	65	63	62	50	49	48	36	35	35	28				28
2	87	81	75	71	78	73	68	65	59	56	53	45	43	42	33	32	31	26				26
3	80	72	65	60	72	65	60	55	53	49	46	41	39	37	30	29	28	23				23
4	74	64	57	52	67	59	53	48	48	43	40	37	35	32	28	26	25	21				21
5	68	58	51	45	61	53	47	42	43	39	35	34	31	29	26	24	23	19				19
6	63	52	45	40	57	48	42	37	39	35	31	31	28	26	24	22	20	17				17
7	59	47	40	35	53	43	37	33	36	31	28	29	26	23	22	20	19	16				16
8	54	43	36	31	49	40	34	29	33	28	25	26	23	21	20	18	17	15				15
9	51	40	33	28	46	36	30	26	30	26	23	24	21	19	19	17	16	13				13
10	47	36	30	25	43	33	28	24	28	24	21	23	20	17	18	16	14	12				12

**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	1.9
10°-20°	391.8	5.5
20°-30°	579.4	8.2
30°-40°	599.4	8.4
40°-50°	360.6	5.1
50°-60°	86.2	1.2
60°-70°	23.6	0.3
70°-80°	13.2	0.2
80°-90°	11.1	0.2
90°-100°	133.6	1.9
100°-110°	389.6	5.5
110°-120°	635.9	9.0
120°-130°	806.9	11.4
130°-140°	863.4	12.2
140°-150°	806.2	11.4
150°-160°	663.4	9.3
160°-170°	444.9	6.3
170°-180°	158.0	2.2
0°-30°	1105.2	15.6
0°-40°	1704.7	24.0
0°-60°	2151.4	30.3
0°-90°	2199.3	31.0
90°-120°	1159.2	16.3
90°-150°	3635.7	51.2
90°-180°	4902.0	69.0
0°-180°	7101.3	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°	5	37	5	73	5	4
95°	53	39	53	229	53	63
105°	248	397	248	546	248	263
115°	475	658	475	811	475	468
125°	702	1043	702	994	702	628
135°	955	1365	955	1101	955	738
145°	1219	1574	1219	1124	1219	763
155°	1448	1709	1448	1167	1448	666
165°	1601	1782	1601	1343	1601	451
175°	1674	1745	1674	1575	1674	159
180°	1679	1679	1679	1679	1679	



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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°	2.1	3.7	5.6	6.9	7.6	7.9	7.9	8.2	8.5	8.5	8.5
90°	5.1	11.9	20.3	27.1	32.2	33.9	33.9	35.6	37.3	37.3	37.3
92.5°	18.7	29.5	29.8	29.8	36.3	39.3	42.1	42.4	44.1	44.1	44.1
95°	52.6	57.7	86.5	84.8	57.7	45.8	39.0	39.0	39.0	39.0	39.0
97.5°	100.4	107.9	112.6	150.9	159.4	154.0	125.5	105.5	94.3	89.2	94.3
100°	142.4	145.8	156.0	157.7	200.1	240.8	220.5	195.0	186.5	181.5	186.5
102.5°	184.5	186.5	202.1	209.3	219.1	242.2	312.7	304.9	299.1	298.1	299.1
105°	247.6	249.3	278.1	291.7	298.5	298.5	296.8	330.7	385.0	396.8	385.0
107.5°	315.1	322.9	356.8	393.1	400.9	402.9	394.1	389.0	387.0	388.3	387.0
110°	361.2	373.1	413.8	459.6	471.4	474.8	471.4	466.3	463.0	463.0	463.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	406.0	423.3	469.4	522.0	542.0	552.2	544.7	541.0	537.6	540.3	537.6
115°	474.8	500.3	561.3	615.6	656.3	661.4	659.7	659.7	658.0	658.0	658.0
117.5°	538.6	579.3	647.8	710.9	758.0	771.6	778.4	776.3	774.3	777.7	774.3
120°	583.4	630.8	708.9	780.1	825.9	846.2	853.0	849.6	853.0	849.6	853.0
122.5°	630.8	689.2	765.8	839.8	893.7	916.8	924.9	925.6	926.3	924.2	926.3
125°	702.1	773.3	863.2	939.5	995.4	1022.6	1029.4	1031.1	1034.4	1042.9	1034.4
127.5°	774.0	854.7	953.4	1027.0	1084.3	1117.2	1127.7	1131.4	1138.6	1142.3	1138.6
130°	824.2	915.7	1015.8	1085.3	1141.3	1176.9	1195.6	1200.6	1209.1	1207.4	1209.1
132.5°	877.1	972.7	1074.1	1146.4	1198.3	1236.6	1252.5	1267.1	1270.2	1272.5	1270.2
135°	954.7	1058.2	1159.9	1231.2	1280.3	1317.7	1338.0	1351.6	1360.0	1365.1	1360.0
137.5°	1036.5	1145.7	1243.4	1306.8	1356.3	1388.5	1411.6	1425.8	1434.7	1438.7	1434.7
140°	1092.1	1197.2	1292.2	1358.3	1402.4	1434.7	1455.0	1472.0	1482.1	1482.1	1482.1
142.5°	1145.0	1248.8	1341.1	1407.2	1445.9	1475.4	1497.1	1510.0	1521.5	1521.5	1521.5
145°	1219.3	1322.7	1407.5	1473.7	1505.9	1533.0	1556.8	1566.9	1573.7	1573.7	1573.7
147.5°	1297.0	1388.5	1465.9	1529.3	1556.4	1588.3	1607.0	1615.1	1623.6	1619.8	1623.6
150°	1343.1	1427.9	1502.5	1561.8	1589.0	1619.5	1638.2	1644.9	1653.4	1648.3	1653.4
152.5°	1387.9	1468.6	1536.4	1591.7	1614.8	1645.3	1666.6	1673.4	1679.2	1675.5	1679.2
155°	1448.2	1519.5	1582.2	1633.1	1653.4	1682.3	1702.6	1711.1	1717.9	1709.4	1717.9
157.5°	1502.2	1563.5	1618.1	1665.0	1686.7	1711.4	1730.4	1740.9	1747.7	1744.0	1747.7
160°	1534.7	1590.7	1639.9	1683.9	1704.3	1726.3	1746.7	1758.6	1765.3	1760.3	1765.3
162.5°	1561.8	1612.4	1658.8	1698.9	1716.5	1735.8	1760.3	1770.8	1777.6	1771.1	1777.6
165°	1600.9	1641.6	1682.3	1716.2	1731.4	1746.7	1772.1	1784.0	1789.1	1782.3	1789.1
167.5°	1630.4	1661.6	1694.5	1723.6	1734.8	1749.7	1775.2	1785.0	1791.5	1783.0	1791.5
170°	1646.6	1673.8	1702.6	1726.3	1734.8	1748.4	1773.8	1782.3	1787.4	1778.9	1787.4
172.5°	1660.2	1680.6	1704.0	1725.0	1729.4	1740.2	1764.3	1772.8	1776.5	1769.4	1776.5
175°	1673.8	1685.6	1702.6	1716.2	1714.5	1721.3	1741.6	1748.4	1755.2	1745.0	1755.2
177.5°	1680.2	1685.6	1691.1	1699.2	1693.8	1693.8	1708.7	1712.8	1714.1	1708.7	1714.1
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



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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°	8.2	7.9	7.9	7.6	6.9	5.6	3.7	2.1	3.7	5.3	7.5
90°	35.6	33.9	33.9	32.2	27.1	20.3	11.9	5.1	11.9	18.7	30.5
92.5°	42.4	42.1	39.3	36.3	29.8	29.8	29.5	18.7	32.2	45.8	65.8
95°	39.0	39.0	45.8	57.7	84.8	86.5	57.7	52.6	74.6	105.1	132.3
97.5°	105.5	125.5	154.0	159.4	150.9	112.6	107.9	100.4	136.7	166.9	210.6
100°	195.0	220.5	240.8	200.1	157.7	156.0	145.8	142.4	181.5	210.3	252.7
102.5°	304.9	312.7	242.2	219.1	209.3	202.1	186.5	184.5	223.5	263.2	298.8
105°	330.7	296.8	298.5	298.5	291.7	278.1	249.3	247.6	291.7	337.5	381.6
107.5°	389.0	394.1	402.9	400.9	393.1	356.8	322.9	315.1	354.8	409.7	458.2
110°	466.3	471.4	474.8	471.4	459.6	413.8	373.1	361.2	396.8	454.5	507.0



TEST NUMBER: P1428552

CATALOG NUMBER: SQ2W-WBM-K-125U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	541.0	544.7	552.2	542.0	522.0	469.4	423.3	406.0	441.6	500.6	554.5
115°	659.7	659.7	661.4	656.3	615.6	561.3	500.3	474.8	505.4	559.6	619.0
117.5°	776.3	778.4	771.6	758.0	710.9	647.8	579.3	538.6	562.7	620.0	681.0
120°	849.6	853.0	846.2	825.9	780.1	708.9	630.8	583.4	602.0	658.0	719.0
122.5°	925.6	924.9	916.8	893.7	839.8	765.8	689.2	630.8	638.6	690.5	750.2
125°	1031.1	1029.4	1022.6	995.4	939.5	863.2	773.3	702.1	691.9	736.0	797.0
127.5°	1131.4	1127.7	1117.2	1084.3	1027.0	953.4	854.7	774.0	751.2	779.1	835.0
130°	1200.6	1195.6	1176.9	1141.3	1085.3	1015.8	915.7	824.2	791.9	808.9	858.1
132.5°	1267.1	1252.5	1236.6	1198.3	1146.4	1074.1	972.7	877.1	832.6	840.1	878.4
135°	1351.6	1338.0	1317.7	1280.3	1231.2	1159.9	1058.2	954.7	893.7	886.9	909.0
137.5°	1425.8	1411.6	1388.5	1356.3	1306.8	1243.4	1145.7	1036.5	959.5	936.8	945.2
140°	1472.0	1455.0	1434.7	1402.4	1358.3	1292.2	1197.2	1092.1	1005.6	973.4	968.3
142.5°	1510.0	1497.1	1475.4	1445.9	1407.2	1341.1	1248.8	1145.0	1053.1	1011.4	999.5
145°	1566.9	1556.8	1533.0	1505.9	1473.7	1407.5	1322.7	1219.3	1127.7	1073.5	1048.0
147.5°	1615.1	1607.0	1588.3	1556.4	1529.3	1465.9	1388.5	1297.0	1203.0	1135.9	1103.0
150°	1644.9	1638.2	1619.5	1589.0	1561.8	1502.5	1427.9	1343.1	1253.2	1182.0	1139.6
152.5°	1673.4	1666.6	1645.3	1614.8	1591.7	1536.4	1468.6	1387.9	1296.6	1225.4	1181.6
155°	1711.1	1702.6	1682.3	1653.4	1633.1	1582.2	1519.5	1448.2	1370.2	1295.6	1246.4
157.5°	1740.9	1730.4	1711.4	1686.7	1665.0	1618.1	1563.5	1502.2	1434.0	1362.8	1312.6
160°	1758.6	1746.7	1726.3	1704.3	1683.9	1639.9	1590.7	1534.7	1472.0	1407.5	1353.3
162.5°	1770.8	1760.3	1735.8	1716.5	1698.9	1658.8	1612.4	1561.8	1505.9	1449.6	1399.4
165°	1784.0	1772.1	1746.7	1731.4	1716.2	1682.3	1641.6	1600.9	1553.4	1507.6	1466.9
167.5°	1785.0	1775.2	1749.7	1734.8	1723.6	1694.5	1661.6	1630.4	1593.4	1557.4	1523.5
170°	1782.3	1773.8	1748.4	1734.8	1726.3	1702.6	1673.8	1646.6	1617.8	1587.3	1560.2
172.5°	1772.8	1764.3	1740.2	1729.4	1725.0	1704.0	1680.6	1660.2	1635.4	1613.1	1591.4
175°	1748.4	1741.6	1721.3	1714.5	1716.2	1702.6	1685.6	1673.8	1658.5	1644.9	1633.1
177.5°	1712.8	1708.7	1693.8	1693.8	1699.2	1691.1	1685.6	1680.2	1673.4	1669.4	1665.3
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428552

CATALOG NUMBER: SQ2W-WBM-K-125U-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°	9.0	11.2	13.6	15.0	16.3	15.7	16.3	15.0	13.6	11.2	9.0
90°	39.0	50.9	62.7	69.5	76.3	72.9	76.3	69.5	62.7	50.9	39.0
92.5°	78.3	98.4	112.9	125.2	130.6	129.9	130.6	125.2	112.9	98.4	78.3
95°	157.7	181.5	205.2	222.2	232.3	228.9	232.3	222.2	205.2	181.5	157.7
97.5°	243.2	275.1	301.5	317.5	327.6	334.4	327.6	317.5	301.5	275.1	243.2
100°	300.2	330.7	361.2	379.9	396.8	403.6	396.8	379.9	361.2	330.7	300.2
102.5°	346.3	386.3	419.5	439.6	453.8	460.6	453.8	439.6	419.5	386.3	346.3
105°	422.3	464.7	500.3	525.7	541.0	546.1	541.0	525.7	500.3	464.7	422.3
107.5°	498.2	542.0	574.9	603.0	621.7	632.5	621.7	603.0	574.9	542.0	498.2
110°	557.9	593.5	629.1	654.6	673.2	680.0	673.2	654.6	629.1	593.5	557.9



TEST NUMBER: P1428552

CATALOG NUMBER: SQ2W-WBM-K-125U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	608.1	647.8	683.4	708.9	730.2	739.7	730.2	708.9	683.4	647.8	608.1
115°	678.3	730.9	763.1	786.9	802.1	810.6	802.1	786.9	763.1	730.9	678.3
117.5°	736.7	791.6	826.9	845.2	852.3	858.4	852.3	845.2	826.9	791.6	736.7
120°	773.3	824.2	864.9	888.6	897.1	900.5	897.1	888.6	864.9	824.2	773.3
122.5°	807.2	855.4	894.7	923.9	937.8	941.2	937.8	923.9	894.7	855.4	807.2
125°	854.7	900.5	941.2	970.0	985.3	993.7	985.3	970.0	941.2	900.5	854.7
127.5°	896.1	945.6	982.9	1009.0	1023.9	1030.7	1023.9	1009.0	982.9	945.6	896.1
130°	919.1	970.0	1007.3	1036.1	1049.7	1056.5	1049.7	1036.1	1007.3	970.0	919.1
132.5°	936.8	990.4	1029.0	1055.1	1070.1	1076.8	1070.1	1055.1	1029.0	990.4	936.8
135°	958.1	1014.1	1054.8	1080.2	1093.8	1100.6	1093.8	1080.2	1054.8	1014.1	958.1
137.5°	976.8	1027.7	1070.1	1096.9	1109.1	1113.5	1109.1	1096.9	1070.1	1027.7	976.8
140°	990.4	1034.4	1076.8	1102.3	1115.8	1117.5	1115.8	1102.3	1076.8	1034.4	990.4
142.5°	1008.0	1042.6	1079.6	1105.0	1118.6	1121.6	1118.6	1105.0	1079.6	1042.6	1008.0
145°	1039.5	1059.9	1085.3	1109.1	1120.9	1124.3	1120.9	1109.1	1085.3	1059.9	1039.5
147.5°	1079.2	1085.7	1098.9	1114.5	1126.0	1128.4	1126.0	1114.5	1098.9	1085.7	1079.2
150°	1109.1	1107.4	1112.5	1122.6	1132.8	1131.1	1132.8	1122.6	1112.5	1107.4	1109.1
152.5°	1143.0	1133.1	1132.8	1137.6	1142.3	1142.0	1142.3	1137.6	1132.8	1133.1	1143.0
155°	1200.6	1182.0	1171.8	1168.4	1168.4	1166.7	1168.4	1168.4	1171.8	1182.0	1200.6
157.5°	1264.1	1237.9	1222.7	1214.5	1212.2	1208.4	1212.2	1214.5	1222.7	1237.9	1264.1
160°	1307.5	1278.6	1263.4	1249.8	1244.7	1239.6	1244.7	1249.8	1263.4	1278.6	1307.5
162.5°	1348.2	1320.7	1304.1	1291.9	1286.8	1279.0	1286.8	1291.9	1304.1	1320.7	1348.2
165°	1414.3	1385.5	1366.8	1356.7	1349.9	1343.1	1349.9	1356.7	1366.8	1385.5	1414.3
167.5°	1480.4	1448.9	1436.7	1425.2	1418.7	1406.5	1418.7	1425.2	1436.7	1448.9	1480.4
170°	1521.1	1492.3	1485.5	1475.4	1463.5	1449.9	1463.5	1475.4	1485.5	1492.3	1521.1
172.5°	1556.4	1537.1	1530.3	1520.1	1516.4	1505.5	1516.4	1520.1	1530.3	1537.1	1556.4
175°	1607.6	1592.4	1592.4	1590.7	1585.6	1575.4	1585.6	1590.7	1592.4	1592.4	1607.6
177.5°	1650.4	1642.2	1647.7	1647.7	1646.3	1636.8	1646.3	1647.7	1647.7	1642.2	1650.4
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428552

CATALOG NUMBER: SQ2W-WBM-K-125U-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°	7.5	5.3	3.7	2.1
90°	30.5	18.7	11.9	5.1
92.5°	65.8	45.8	32.2	18.7
95°	132.3	105.1	74.6	52.6
97.5°	210.6	166.9	136.7	100.4
100°	252.7	210.3	181.5	142.4
102.5°	298.8	263.2	223.5	184.5
105°	381.6	337.5	291.7	247.6
107.5°	458.2	409.7	354.8	315.1
110°	507.0	454.5	396.8	361.2



TEST NUMBER: P1428552

CATALOG NUMBER: SQ2W-WBM-K-125U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	554.5	500.6	441.6	406.0
115°	619.0	559.6	505.4	474.8
117.5°	681.0	620.0	562.7	538.6
120°	719.0	658.0	602.0	583.4
122.5°	750.2	690.5	638.6	630.8
125°	797.0	736.0	691.9	702.1
127.5°	835.0	779.1	751.2	774.0
130°	858.1	808.9	791.9	824.2
132.5°	878.4	840.1	832.6	877.1
135°	909.0	886.9	893.7	954.7
137.5°	945.2	936.8	959.5	1036.5
140°	968.3	973.4	1005.6	1092.1
142.5°	999.5	1011.4	1053.1	1145.0
145°	1048.0	1073.5	1127.7	1219.3
147.5°	1103.0	1135.9	1203.0	1297.0
150°	1139.6	1182.0	1253.2	1343.1
152.5°	1181.6	1225.4	1296.6	1387.9
155°	1246.4	1295.6	1370.2	1448.2
157.5°	1312.6	1362.8	1434.0	1502.2
160°	1353.3	1407.5	1472.0	1534.7
162.5°	1399.4	1449.6	1505.9	1561.8
165°	1466.9	1507.6	1553.4	1600.9
167.5°	1523.5	1557.4	1593.4	1630.4
170°	1560.2	1587.3	1617.8	1646.6
172.5°	1591.4	1613.1	1635.4	1660.2
175°	1633.1	1644.9	1658.5	1673.8
177.5°	1665.3	1669.4	1673.4	1680.2
180°	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428552  
 CATALOG NUMBER: SQ2W-WBM-K-125U-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	0.59	1.23	1.72	2.33	3.86	0.58	1.21	1.71	2.32	3.85
	3H	1.27	1.84	2.41	2.95	4.50	1.19	1.76	2.33	2.87	4.42
	4H	1.63	2.17	2.78	3.28	4.83	1.49	2.03	2.64	3.14	4.69
	6H	1.90	2.39	3.05	3.51	5.07	1.72	2.21	2.87	3.33	4.89
	8H	2.02	2.49	3.17	3.62	5.17	1.82	2.29	2.97	3.42	4.97
	12H	2.09	2.54	3.25	3.66	5.24	1.87	2.31	3.03	3.44	5.01
4H	2H	0.67	1.21	1.82	2.32	3.87	0.66	1.20	1.81	2.31	3.86
	3H	1.61	2.05	2.76	3.19	4.75	1.52	1.97	2.68	3.11	4.67
	4H	2.11	2.52	3.27	3.65	5.23	1.96	2.37	3.12	3.50	5.08
	6H	2.54	2.89	3.70	4.04	5.61	2.34	2.68	3.50	3.84	5.41
	8H	2.73	3.05	3.89	4.20	5.78	2.50	2.83	3.66	3.97	5.56
	12H	2.85	3.14	4.03	4.30	5.89	2.59	2.89	3.77	4.04	5.63
8H	4H	2.23	2.55	3.39	3.69	5.28	2.09	2.42	3.25	3.56	5.15
	6H	2.80	3.07	3.98	4.26	5.84	2.61	2.88	3.79	4.06	5.65
	8H	3.10	3.33	4.28	4.50	6.10	2.88	3.12	4.07	4.28	5.88
	12H	3.31	3.52	4.50	4.68	6.32	3.06	3.26	4.24	4.42	6.06
12H	4H	2.20	2.49	3.38	3.65	5.24	2.07	2.36	3.25	3.52	5.11
	6H	2.84	3.08	4.03	4.24	5.85	2.66	2.89	3.84	4.06	5.66
	8H	3.17	3.37	4.35	4.53	6.17	2.96	3.16	4.15	4.32	5.96