

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: P1428542

Luminaire Tested: SQ2W-WBM-K-100U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428542
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-075D-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 750 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

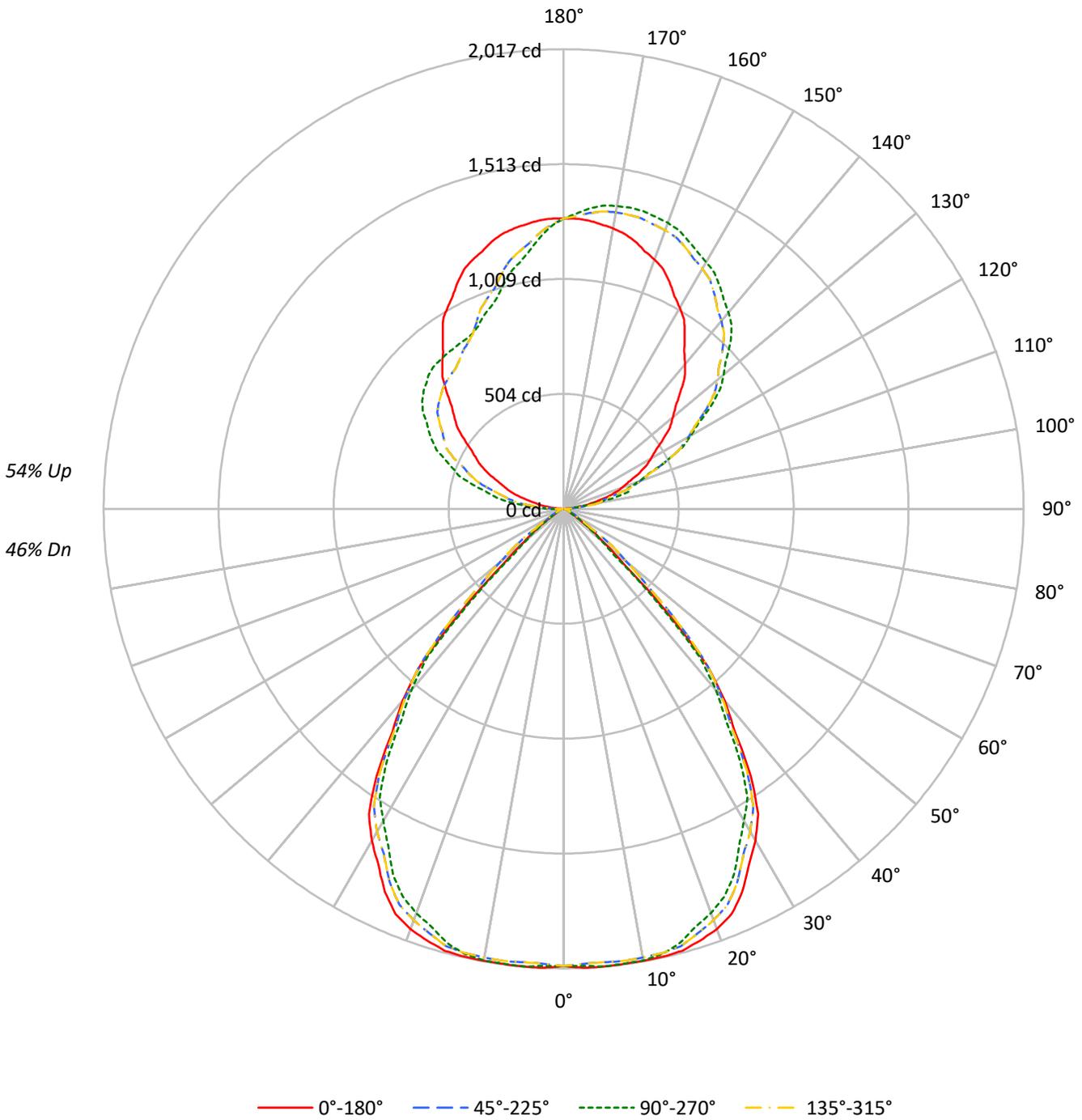
Lumens per Lamp: N/A
Luminaire Lumens: 6862.2 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 60.7
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	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	98	95	92	89	90	87	85	82	73	71	70	60	59	58	49	48	47	42
2	91	85	80	75	84	78	74	70	66	63	61	55	53	51	45	44	43	38
3	84	76	70	65	77	71	65	61	60	56	53	50	48	46	42	40	38	34
4	78	69	62	56	72	64	58	53	55	50	47	46	43	41	38	36	35	31
5	72	62	55	50	67	58	52	47	50	45	42	42	39	36	35	33	31	28
6	67	56	49	44	62	53	46	42	46	41	37	39	35	33	33	30	28	26
7	62	51	44	39	58	48	42	37	42	37	33	36	32	30	30	28	26	23
8	58	47	40	35	54	44	38	34	39	34	30	33	30	27	28	26	24	22
9	54	43	36	32	50	41	35	30	36	31	28	31	27	25	26	24	22	20
10	51	40	33	29	47	38	32	28	33	28	25	29	25	23	25	22	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32393	32393	32393	32393
5°	32688	32672	32688	32672
10°	33019	33002	33019	33002
15°	33567	32972	33567	32972
20°	33728	32439	33728	32439
25°	33034	31527	33034	31527
30°	31343	29479	31343	29479
35°	28189	26597	28189	26597
40°	23110	21892	23110	21892
45°	14451	13572	14451	13572
50°	5654	5169	5654	5169
55°	2790	2761	2790	2761
60°	1305	1179	1305	1179
65°	1177	1104	1177	1104
70°	1133	1090	1133	1090
75°	1142	1023	1142	1023
80°	1069	986	1069	986
85°	1074	889	1074	889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 16449 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.8	2.8
10°-20°	560.9	8.2
20°-30°	829.3	12.1
30°-40°	858.1	12.5
40°-50°	516.1	7.5
50°-60°	123.4	1.8
60°-70°	33.7	0.5
70°-80°	18.9	0.3
80°-90°	11.2	0.2
90°-100°	101.4	1.5
100°-110°	295.6	4.3
110°-120°	482.4	7.0
120°-130°	612.1	8.9
130°-140°	655.0	9.5
140°-150°	611.6	8.9
150°-160°	503.3	7.3
160°-170°	337.5	4.9
170°-180°	119.8	1.7
0°-30°	1582.1	23.1
0°-40°	2440.2	35.6
0°-60°	3079.7	44.9
0°-90°	3143.6	45.8
90°-120°	879.3	12.8
90°-150°	2758.0	40.2
90°-180°	3719.0	54.2
0°-180°	6862.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2006	2006	2006	2006	2006	
5°	2017	2016	2017	2016	2017	192
15°	2008	1973	2008	1973	2008	566
25°	1854	1770	1854	1770	1854	848
35°	1430	1349	1430	1349	1430	878
45°	633	594	633	594	633	489
55°	99	98	99	98	99	99
65°	31	29	31	29	31	31
75°	18	16	18	16	18	19
85°	6	5	6	5	6	6
90°	4	28	4	55	4	3
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	2016.3	2013.9	2011.5	2005.5	1998.4	1998.5	2006.1	2011.3	2009.6	2007.9	2009.6
5°	2016.9	2013.9	2010.9	2004.1	1995.9	1997.9	2009.8	2018.5	2017.2	2015.9	2017.2
7.5°	2014.8	2013.5	2012.2	2007.2	2001.0	2002.4	2011.4	2017.7	2015.8	2013.8	2015.8
10°	2014.0	2014.4	2014.9	2008.2	1999.3	1999.5	2008.9	2015.6	2014.3	2013.0	2014.3
12.5°	2013.2	2016.7	2020.2	2011.3	1998.2	1995.4	2002.7	2007.5	2004.5	2001.5	2004.5
15°	2008.2	2015.1	2021.9	2009.8	1991.5	1982.3	1982.3	1981.2	1976.9	1972.6	1976.9
17.5°	1986.9	1995.0	2003.1	1986.8	1962.2	1946.7	1940.1	1933.8	1928.6	1923.4	1928.6
20°	1963.0	1971.2	1979.3	1959.8	1931.2	1911.5	1900.8	1892.3	1890.1	1888.0	1890.1
22.5°	1925.3	1934.1	1942.9	1922.1	1891.4	1870.2	1858.5	1848.9	1845.3	1841.8	1845.3
25°	1854.3	1861.2	1868.0	1846.3	1815.1	1795.3	1786.7	1779.1	1774.4	1769.7	1774.4
27.5°	1759.7	1763.5	1767.2	1746.2	1717.0	1697.5	1687.8	1678.8	1672.3	1665.8	1672.3
30°	1681.2	1682.9	1684.6	1667.8	1644.7	1626.7	1613.9	1601.7	1591.5	1581.2	1591.5
32.5°	1588.1	1589.8	1591.5	1576.7	1556.4	1540.1	1528.0	1516.8	1508.6	1500.4	1508.6
35°	1430.2	1429.3	1428.5	1419.0	1406.6	1393.3	1379.2	1366.5	1358.0	1349.4	1358.0
37.5°	1232.6	1233.8	1235.0	1228.0	1218.1	1207.7	1196.5	1186.0	1177.4	1168.8	1177.4
40°	1096.5	1097.3	1098.2	1092.3	1084.2	1072.0	1055.7	1043.0	1040.9	1038.7	1040.9
42.5°	930.3	943.1	955.9	950.7	939.5	927.7	915.2	903.3	893.3	883.3	893.3
45°	632.9	671.8	710.7	720.4	720.4	712.9	697.9	676.5	635.4	594.4	635.4
47.5°	357.4	401.7	446.0	475.1	499.1	488.9	444.4	398.6	348.8	298.9	348.8
50°	225.1	255.0	284.9	322.2	362.0	351.1	289.5	239.2	222.5	205.8	222.5
52.5°	159.7	174.9	190.1	225.3	267.1	262.0	210.0	168.8	160.0	151.2	160.0
55°	99.1	104.6	110.2	127.3	148.2	146.9	123.4	104.9	101.5	98.1	101.5
57.5°	58.9	64.6	70.3	77.9	86.1	86.1	77.9	70.4	65.0	59.6	65.0
60°	40.4	45.1	49.8	56.1	62.9	62.1	53.5	46.0	41.3	36.5	41.3
62.5°	35.0	37.0	38.9	43.8	49.6	49.1	42.3	36.7	35.1	33.5	35.1
65°	30.8	31.2	31.6	32.1	32.5	32.3	31.4	30.6	29.7	28.9	29.7
67.5°	27.1	27.6	28.0	27.8	27.5	27.3	27.2	26.9	26.2	25.4	26.2
70°	24.0	24.5	24.9	25.0	25.0	24.8	24.4	23.9	23.5	23.1	23.5
72.5°	21.7	22.2	22.6	22.4	22.1	21.9	21.8	21.5	20.8	20.0	20.8
75°	18.3	18.3	18.3	18.3	18.3	18.1	17.6	17.2	16.8	16.4	16.8
77.5°	13.8	14.3	14.7	14.5	14.1	13.8	13.8	13.7	13.3	12.9	13.3
80°	11.5	12.0	12.4	12.2	11.8	11.5	11.5	11.4	11.0	10.6	11.0
82.5°	9.2	9.3	9.4	9.4	9.3	9.2	9.2	9.1	8.7	8.3	8.7
85°	5.8	5.8	5.8	5.5	5.0	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	2.3	3.7	5.3	6.2	6.6	6.7	6.7	6.9	7.2	7.2	7.2
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	2011.3	2006.1	1998.5	1998.4	2005.5	2011.5	2013.9	2016.3	2013.9	2011.5	2005.5
5°	2018.5	2009.8	1997.9	1995.9	2004.1	2010.9	2013.9	2016.9	2013.9	2010.9	2004.1
7.5°	2017.7	2011.4	2002.4	2001.0	2007.2	2012.2	2013.5	2014.8	2013.5	2012.2	2007.2
10°	2015.6	2008.9	1999.5	1999.3	2008.2	2014.9	2014.4	2014.0	2014.4	2014.9	2008.2
12.5°	2007.5	2002.7	1995.4	1998.2	2011.3	2020.2	2016.7	2013.2	2016.7	2020.2	2011.3
15°	1981.2	1982.3	1982.3	1991.5	2009.8	2021.9	2015.1	2008.2	2015.1	2021.9	2009.8
17.5°	1933.8	1940.1	1946.7	1962.2	1986.8	2003.1	1995.0	1986.9	1995.0	2003.1	1986.8
20°	1892.3	1900.8	1911.5	1931.2	1959.8	1979.3	1971.2	1963.0	1971.2	1979.3	1959.8
22.5°	1848.9	1858.5	1870.2	1891.4	1922.1	1942.9	1934.1	1925.3	1934.1	1942.9	1922.1
25°	1779.1	1786.7	1795.3	1815.1	1846.3	1868.0	1861.2	1854.3	1861.2	1868.0	1846.3
27.5°	1678.8	1687.8	1697.5	1717.0	1746.2	1767.2	1763.5	1759.7	1763.5	1767.2	1746.2
30°	1601.7	1613.9	1626.7	1644.7	1667.8	1684.6	1682.9	1681.2	1682.9	1684.6	1667.8
32.5°	1516.8	1528.0	1540.1	1556.4	1576.7	1591.5	1589.8	1588.1	1589.8	1591.5	1576.7
35°	1366.5	1379.2	1393.3	1406.6	1419.0	1428.5	1429.3	1430.2	1429.3	1428.5	1419.0
37.5°	1186.0	1196.5	1207.7	1218.1	1228.0	1235.0	1233.8	1232.6	1233.8	1235.0	1228.0
40°	1043.0	1055.7	1072.0	1084.2	1092.3	1098.2	1097.3	1096.5	1097.3	1098.2	1092.3
42.5°	903.3	915.2	927.7	939.5	950.7	955.9	943.1	930.3	943.1	955.9	950.7
45°	676.5	697.9	712.9	720.4	720.4	710.7	671.8	632.9	671.8	710.7	720.4
47.5°	398.6	444.4	488.9	499.1	475.1	446.0	401.7	357.4	401.7	446.0	475.1
50°	239.2	289.5	351.1	362.0	322.2	284.9	255.0	225.1	255.0	284.9	322.2
52.5°	168.8	210.0	262.0	267.1	225.3	190.1	174.9	159.7	174.9	190.1	225.3
55°	104.9	123.4	146.9	148.2	127.3	110.2	104.6	99.1	104.6	110.2	127.3
57.5°	70.4	77.9	86.1	86.1	77.9	70.3	64.6	58.9	64.6	70.3	77.9
60°	46.0	53.5	62.1	62.9	56.1	49.8	45.1	40.4	45.1	49.8	56.1
62.5°	36.7	42.3	49.1	49.6	43.8	38.9	37.0	35.0	37.0	38.9	43.8
65°	30.6	31.4	32.3	32.5	32.1	31.6	31.2	30.8	31.2	31.6	32.1
67.5°	26.9	27.2	27.3	27.5	27.8	28.0	27.6	27.1	27.6	28.0	27.8
70°	23.9	24.4	24.8	25.0	25.0	24.9	24.5	24.0	24.5	24.9	25.0
72.5°	21.5	21.8	21.9	22.1	22.4	22.6	22.2	21.7	22.2	22.6	22.4
75°	17.2	17.6	18.1	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
77.5°	13.7	13.8	13.8	14.1	14.5	14.7	14.3	13.8	14.3	14.7	14.5
80°	11.4	11.5	11.5	11.8	12.2	12.4	12.0	11.5	12.0	12.4	12.2
82.5°	9.1	9.2	9.2	9.3	9.4	9.4	9.3	9.2	9.3	9.4	9.4
85°	4.8	4.8	4.8	5.0	5.5	5.8	5.8	5.8	5.8	5.8	5.5
87.5°	6.9	6.7	6.7	6.6	6.2	5.3	3.7	2.3	3.7	5.1	6.7
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1428542

CATALOG NUMBER: SQ2W-WBM-K-100U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428542

CATALOG NUMBER: SQ2W-WBM-K-100U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	1998.4	1998.5	2006.1	2011.3	2009.6	2007.9	2009.6	2011.3	2006.1	1998.5	1998.4
5°	1995.9	1997.9	2009.8	2018.5	2017.2	2015.9	2017.2	2018.5	2009.8	1997.9	1995.9
7.5°	2001.0	2002.4	2011.4	2017.7	2015.8	2013.8	2015.8	2017.7	2011.4	2002.4	2001.0
10°	1999.3	1999.5	2008.9	2015.6	2014.3	2013.0	2014.3	2015.6	2008.9	1999.5	1999.3
12.5°	1998.2	1995.4	2002.7	2007.5	2004.5	2001.5	2004.5	2007.5	2002.7	1995.4	1998.2
15°	1991.5	1982.3	1982.3	1981.2	1976.9	1972.6	1976.9	1981.2	1982.3	1982.3	1991.5
17.5°	1962.2	1946.7	1940.1	1933.8	1928.6	1923.4	1928.6	1933.8	1940.1	1946.7	1962.2
20°	1931.2	1911.5	1900.8	1892.3	1890.1	1888.0	1890.1	1892.3	1900.8	1911.5	1931.2
22.5°	1891.4	1870.2	1858.5	1848.9	1845.3	1841.8	1845.3	1848.9	1858.5	1870.2	1891.4
25°	1815.1	1795.3	1786.7	1779.1	1774.4	1769.7	1774.4	1779.1	1786.7	1795.3	1815.1
27.5°	1717.0	1697.5	1687.8	1678.8	1672.3	1665.8	1672.3	1678.8	1687.8	1697.5	1717.0
30°	1644.7	1626.7	1613.9	1601.7	1591.5	1581.2	1591.5	1601.7	1613.9	1626.7	1644.7
32.5°	1556.4	1540.1	1528.0	1516.8	1508.6	1500.4	1508.6	1516.8	1528.0	1540.1	1556.4
35°	1406.6	1393.3	1379.2	1366.5	1358.0	1349.4	1358.0	1366.5	1379.2	1393.3	1406.6
37.5°	1218.1	1207.7	1196.5	1186.0	1177.4	1168.8	1177.4	1186.0	1196.5	1207.7	1218.1
40°	1084.2	1072.0	1055.7	1043.0	1040.9	1038.7	1040.9	1043.0	1055.7	1072.0	1084.2
42.5°	939.5	927.7	915.2	903.3	893.3	883.3	893.3	903.3	915.2	927.7	939.5
45°	720.4	712.9	697.9	676.5	635.4	594.4	635.4	676.5	697.9	712.9	720.4
47.5°	499.1	488.9	444.4	398.6	348.8	298.9	348.8	398.6	444.4	488.9	499.1
50°	362.0	351.1	289.5	239.2	222.5	205.8	222.5	239.2	289.5	351.1	362.0
52.5°	267.1	262.0	210.0	168.8	160.0	151.2	160.0	168.8	210.0	262.0	267.1
55°	148.2	146.9	123.4	104.9	101.5	98.1	101.5	104.9	123.4	146.9	148.2
57.5°	86.1	86.1	77.9	70.4	65.0	59.6	65.0	70.4	77.9	86.1	86.1
60°	62.9	62.1	53.5	46.0	41.3	36.5	41.3	46.0	53.5	62.1	62.9
62.5°	49.6	49.1	42.3	36.7	35.1	33.5	35.1	36.7	42.3	49.1	49.6
65°	32.5	32.3	31.4	30.6	29.7	28.9	29.7	30.6	31.4	32.3	32.5
67.5°	27.5	27.3	27.2	26.9	26.2	25.4	26.2	26.9	27.2	27.3	27.5
70°	25.0	24.8	24.4	23.9	23.5	23.1	23.5	23.9	24.4	24.8	25.0
72.5°	22.1	21.9	21.8	21.5	20.8	20.0	20.8	21.5	21.8	21.9	22.1
75°	18.3	18.1	17.6	17.2	16.8	16.4	16.8	17.2	17.6	18.1	18.3
77.5°	14.1	13.8	13.8	13.7	13.3	12.9	13.3	13.7	13.8	13.8	14.1
80°	11.8	11.5	11.5	11.4	11.0	10.6	11.0	11.4	11.5	11.5	11.8
82.5°	9.3	9.2	9.2	9.1	8.7	8.3	8.7	9.1	9.2	9.2	9.3
85°	5.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0
87.5°	7.6	9.3	11.1	12.1	13.1	12.6	13.1	12.1	11.1	9.3	7.6
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	333.4	318.3	293.1	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1428542

CATALOG NUMBER: SQ2W-WBM-K-100U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428542

CATALOG NUMBER: SQ2W-WBM-K-100U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2006.3	2006.3	2006.3	2006.3
2.5°	2005.5	2011.5	2013.9	2016.3
5°	2004.1	2010.9	2013.9	2016.9
7.5°	2007.2	2012.2	2013.5	2014.8
10°	2008.2	2014.9	2014.4	2014.0
12.5°	2011.3	2020.2	2016.7	2013.2
15°	2009.8	2021.9	2015.1	2008.2
17.5°	1986.8	2003.1	1995.0	1986.9
20°	1959.8	1979.3	1971.2	1963.0
22.5°	1922.1	1942.9	1934.1	1925.3
25°	1846.3	1868.0	1861.2	1854.3
27.5°	1746.2	1767.2	1763.5	1759.7
30°	1667.8	1684.6	1682.9	1681.2
32.5°	1576.7	1591.5	1589.8	1588.1
35°	1419.0	1428.5	1429.3	1430.2
37.5°	1228.0	1235.0	1233.8	1232.6
40°	1092.3	1098.2	1097.3	1096.5
42.5°	950.7	955.9	943.1	930.3
45°	720.4	710.7	671.8	632.9
47.5°	475.1	446.0	401.7	357.4
50°	322.2	284.9	255.0	225.1
52.5°	225.3	190.1	174.9	159.7
55°	127.3	110.2	104.6	99.1
57.5°	77.9	70.3	64.6	58.9
60°	56.1	49.8	45.1	40.4
62.5°	43.8	38.9	37.0	35.0
65°	32.1	31.6	31.2	30.8
67.5°	27.8	28.0	27.6	27.1
70°	25.0	24.9	24.5	24.0
72.5°	22.4	22.6	22.2	21.7
75°	18.3	18.3	18.3	18.3
77.5°	14.5	14.7	14.3	13.8
80°	12.2	12.4	12.0	11.5
82.5°	9.4	9.4	9.3	9.2
85°	5.5	5.8	5.8	5.8
87.5°	6.7	5.1	3.7	2.3
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1428542

CATALOG NUMBER: SQ2W-WBM-K-100U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428542
 CATALOG NUMBER: SQ2W-WBM-K-100U-075D-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	3.58	4.28	4.61	5.29	6.63	3.57	4.27	4.59	5.28	6.62
	3H	4.27	4.89	5.31	5.91	7.27	4.19	4.81	5.22	5.83	7.19
	4H	4.63	5.22	5.68	6.24	7.61	4.49	5.08	5.54	6.10	7.47
	6H	4.90	5.44	5.96	6.47	7.85	4.73	5.26	5.78	6.29	7.67
	8H	5.02	5.53	6.08	6.57	7.95	4.82	5.33	5.88	6.37	7.75
	12H	5.10	5.58	6.16	6.61	8.01	4.87	5.36	5.93	6.39	7.79
4H	2H	3.67	4.26	4.72	5.28	6.65	3.66	4.24	4.71	5.27	6.64
	3H	4.61	5.09	5.67	6.15	7.53	4.53	5.01	5.58	6.06	7.44
	4H	5.12	5.56	6.18	6.60	8.01	4.97	5.41	6.03	6.45	7.86
	6H	5.54	5.92	6.61	6.98	8.39	5.34	5.72	6.41	6.78	8.19
	8H	5.73	6.08	6.80	7.14	8.55	5.51	5.86	6.58	6.92	8.33
	12H	5.86	6.17	6.94	7.24	8.66	5.60	5.91	6.68	6.99	8.40
8H	4H	5.23	5.59	6.30	6.64	8.06	5.10	5.45	6.17	6.51	7.92
	6H	5.81	6.10	6.90	7.20	8.61	5.61	5.90	6.71	7.00	8.41
	8H	6.10	6.35	7.20	7.44	8.87	5.88	6.13	6.98	7.22	8.65
	12H	6.32	6.54	7.42	7.62	9.09	6.05	6.27	7.15	7.35	8.82
12H	4H	5.21	5.53	6.30	6.60	8.02	5.08	5.40	6.17	6.47	7.89
	6H	5.85	6.10	6.95	7.18	8.61	5.66	5.91	6.76	7.00	8.43
	8H	6.17	6.39	7.27	7.47	8.94	5.96	6.18	7.06	7.26	8.73