

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427555

Luminaire Tested: SQ2W-BBM-K-150U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427555
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-150U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

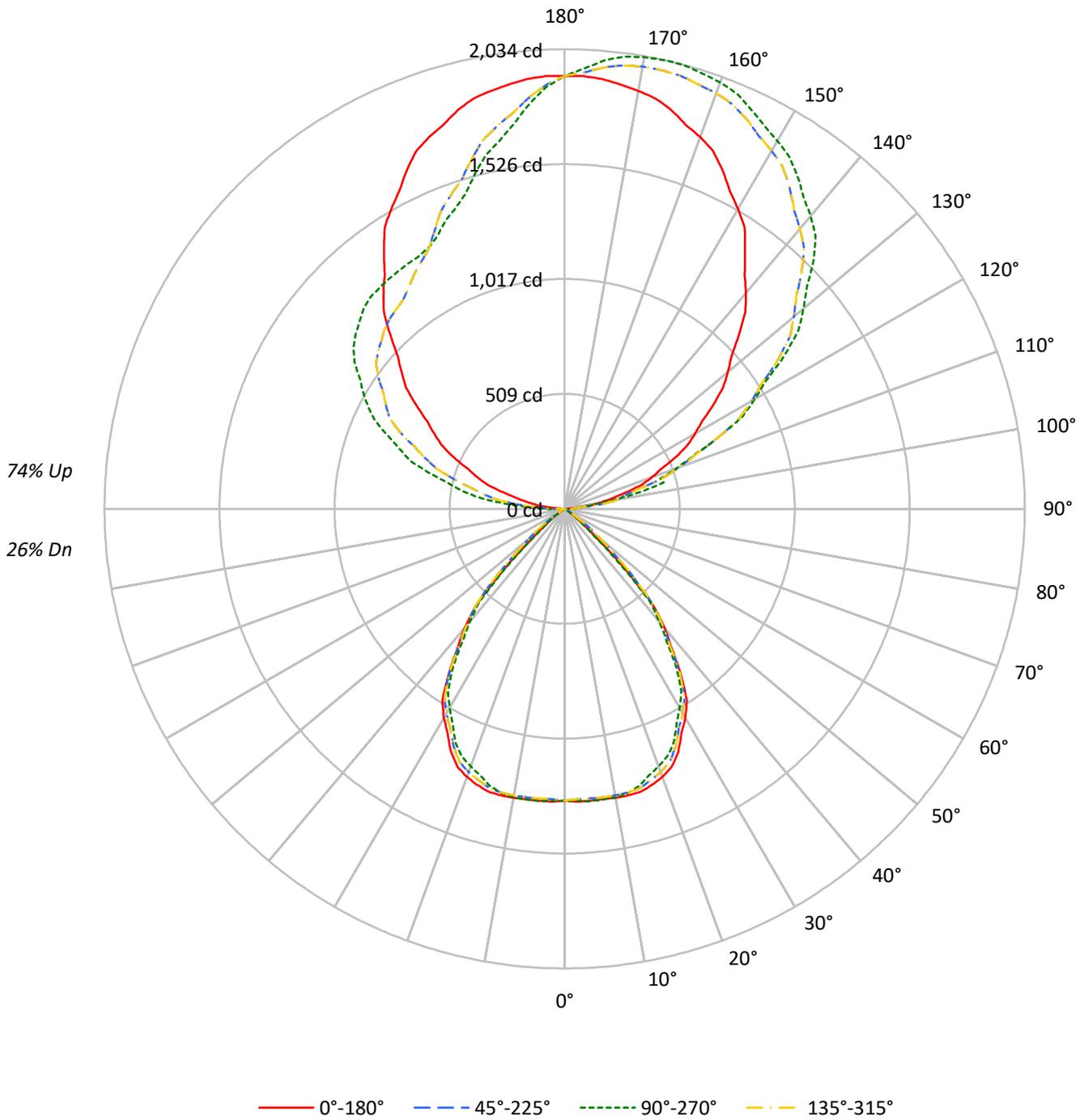
Lumens per Lamp: N/A
Luminaire Lumens: 7531.1 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 73.2
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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	93	90	86	83	83	80	77	75	63	61	59	46	45	44	31	31	30	24				
2	86	79	74	70	77	71	67	63	56	53	51	42	40	39	29	28	27	22				
3	79	71	64	59	70	64	58	54	50	47	44	38	36	34	27	25	24	20				
4	73	63	56	51	65	57	51	47	45	41	38	35	32	30	25	23	22	18				
5	67	57	50	44	60	51	45	41	41	37	34	32	29	27	23	21	20	16				
6	62	51	44	39	55	46	40	36	37	33	30	29	26	24	21	19	18	15				
7	57	46	39	34	51	42	36	32	34	30	26	27	24	21	19	18	16	14				
8	53	42	35	30	48	38	32	28	31	27	24	24	21	19	18	16	15	12				
9	50	39	32	27	45	35	29	25	29	24	21	23	20	18	17	15	14	12				
10	47	35	29	24	42	32	27	23	26	22	19	21	18	16	16	14	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20855	20855	20855	20855
5°	21019	21052	21019	21052
10°	21283	21252	21283	21252
15°	21668	21235	21668	21235
20°	21695	20852	21695	20852
25°	21158	20330	21158	20330
30°	19891	18962	19891	18962
35°	17652	16990	17652	16990
40°	14477	13702	14477	13702
45°	8631	8101	8631	8101
50°	2695	2549	2695	2549
55°	1019	1019	1019	1019
60°	61	19	61	19
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 10106 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	1.6
10°-20°	361.8	4.8
20°-30°	532.3	7.1
30°-40°	544.0	7.2
40°-50°	313.4	4.2
50°-60°	53.9	0.7
60°-70°	1.9	0.0
70°-80°	0.0	0.0
80°-90°	10.2	0.1
90°-100°	152.4	2.0
100°-110°	444.5	5.9
110°-120°	725.4	9.6
120°-130°	920.5	12.2
130°-140°	985.0	13.1
140°-150°	919.8	12.2
150°-160°	756.8	10.0
160°-170°	507.6	6.7
170°-180°	180.2	2.4
0°-30°	1017.6	13.5
0°-40°	1561.6	20.7
0°-60°	1928.9	25.6
0°-90°	1941.0	25.8
90°-120°	1322.4	17.6
90°-150°	4147.7	55.1
90°-180°	5592.0	74.3
0°-180°	7531.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1292	1292	1292	1292	1292	
5°	1297	1299	1297	1299	1297	124
15°	1296	1270	1296	1270	1296	365
25°	1188	1141	1188	1141	1188	542
35°	896	862	896	862	896	553
45°	378	355	378	355	378	293
55°	36	36	36	36	36	38
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	6	43	6	83	6	5
95°	60	44	60	261	60	72
105°	282	453	282	623	282	300
115°	542	751	542	925	542	534
125°	801	1190	801	1134	801	717
135°	1089	1557	1089	1256	1089	842
145°	1391	1795	1391	1283	1391	870
155°	1652	1950	1652	1331	1652	759
165°	1826	2033	1826	1532	1826	514
175°	1910	1991	1910	1797	1910	181
180°	1915	1915	1915	1915	1915	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7
2.5°	1297.4	1295.8	1294.2	1290.4	1285.8	1286.1	1291.4	1295.1	1293.9	1292.8	1293.9
5°	1296.9	1295.5	1294.0	1290.0	1285.1	1286.6	1294.3	1300.0	1299.4	1298.9	1299.4
7.5°	1296.1	1295.2	1294.2	1291.4	1287.9	1289.4	1295.7	1300.2	1298.7	1297.3	1298.7
10°	1298.2	1297.9	1297.6	1293.3	1287.5	1287.9	1294.5	1299.1	1297.7	1296.3	1297.7
12.5°	1299.2	1301.0	1302.8	1296.5	1287.6	1285.7	1290.9	1294.2	1291.6	1289.0	1291.6
15°	1296.3	1301.1	1306.0	1297.1	1283.6	1277.3	1278.2	1277.9	1274.2	1270.4	1274.2
17.5°	1281.8	1288.7	1295.6	1283.8	1265.8	1255.3	1252.1	1248.4	1243.1	1237.9	1243.1
20°	1262.7	1270.7	1278.7	1265.9	1246.1	1233.4	1228.0	1222.7	1218.1	1213.6	1218.1
22.5°	1235.8	1243.1	1250.5	1238.2	1219.3	1206.4	1199.6	1193.5	1189.8	1186.2	1189.8
25°	1187.7	1192.6	1197.5	1184.9	1166.5	1154.8	1149.6	1145.2	1143.2	1141.2	1143.2
27.5°	1119.6	1121.0	1122.4	1112.4	1098.6	1088.5	1082.0	1076.6	1074.0	1071.4	1074.0
30°	1066.9	1066.9	1066.9	1059.1	1048.8	1040.2	1033.3	1026.9	1022.0	1017.1	1022.0
32.5°	1005.3	1004.7	1004.0	998.3	990.9	983.5	975.9	969.0	964.1	959.2	964.1
35°	895.6	898.8	901.9	898.0	891.7	884.8	877.3	870.6	866.3	862.0	866.3
37.5°	776.9	778.1	779.3	776.0	771.2	764.8	756.8	749.8	746.2	742.6	746.2
40°	686.9	687.2	687.5	683.5	678.0	672.4	666.7	661.0	655.5	650.1	655.5
42.5°	582.0	587.8	593.6	591.1	585.9	578.7	569.5	562.0	559.8	557.5	559.8
45°	378.0	403.6	429.1	438.6	442.6	439.4	429.1	413.9	384.3	354.8	384.3
47.5°	190.0	221.8	253.6	275.7	294.4	289.1	259.6	229.7	198.4	167.1	198.4
50°	107.3	126.2	145.2	174.7	207.7	202.3	158.3	122.7	112.1	101.5	112.1
52.5°	71.6	80.0	88.4	112.1	141.0	139.1	106.4	80.4	74.4	68.4	74.4
55°	36.2	38.5	40.8	51.3	64.5	64.2	50.4	39.6	37.9	36.2	37.9
57.5°	12.3	15.4	18.5	23.1	28.3	28.4	23.6	19.2	16.4	13.6	16.4
60°	1.9	4.8	7.7	11.4	15.4	15.0	10.1	5.8	3.2	0.6	3.2
62.5°	0.4	1.2	2.0	5.0	8.8	8.7	4.8	1.6	0.9	0.1	0.9
65°	0.0	0.0	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	2.7	4.6	6.2	7.4	7.7	7.7	8.1	8.5	8.5	8.5
90°	5.8	13.5	23.2	31.0	36.8	38.7	38.7	40.6	42.6	42.6	42.6
92.5°	21.3	33.7	34.0	34.0	41.4	44.9	48.0	48.4	50.3	50.3	50.3
95°	60.0	65.8	98.7	96.7	65.8	52.2	44.5	44.5	44.5	44.5	44.5
97.5°	114.5	123.0	128.5	172.2	181.9	175.7	143.2	120.3	107.6	101.8	107.6
100°	162.5	166.4	178.0	179.9	228.3	274.7	251.5	222.5	212.8	207.0	212.8
102.5°	210.5	212.8	230.6	238.7	250.0	276.3	356.7	347.8	341.3	340.1	341.3
105°	282.5	284.4	317.3	332.8	340.5	340.5	338.6	377.3	439.2	452.7	439.2
107.5°	359.5	368.4	407.0	448.4	457.3	459.7	449.6	443.8	441.5	443.0	441.5
110°	412.1	425.6	472.1	524.3	537.8	541.7	537.8	532.0	528.2	528.2	528.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	463.2	482.9	535.5	595.5	618.3	629.9	621.4	617.2	613.3	616.4	613.3
115°	541.7	570.7	640.4	702.3	748.7	754.5	752.6	752.6	750.6	750.6	750.6
117.5°	614.4	660.9	739.0	811.0	864.8	880.3	888.0	885.7	883.4	887.2	883.4
120°	665.5	719.7	808.7	889.9	942.2	965.4	973.1	969.3	973.1	969.3	973.1
122.5°	719.7	786.2	873.7	958.0	1019.6	1045.9	1055.2	1055.9	1056.7	1054.4	1056.7
125°	800.9	882.2	984.7	1071.8	1135.6	1166.6	1174.3	1176.3	1180.1	1189.8	1180.1
127.5°	883.0	975.1	1087.7	1171.6	1237.0	1274.5	1286.5	1290.8	1298.9	1303.2	1298.9
130°	940.2	1044.7	1158.8	1238.2	1302.0	1342.6	1363.9	1369.7	1379.4	1377.5	1379.4
132.5°	1000.6	1109.7	1225.4	1307.8	1367.0	1410.7	1428.9	1445.6	1449.0	1451.8	1449.0
135°	1089.2	1207.2	1323.3	1404.5	1460.7	1503.2	1526.4	1541.9	1551.6	1557.4	1551.6
137.5°	1182.5	1307.0	1418.5	1490.8	1547.3	1584.1	1610.4	1626.6	1636.7	1641.3	1636.7
140°	1245.9	1365.9	1474.2	1549.6	1599.9	1636.7	1659.9	1679.3	1690.9	1690.9	1690.9
142.5°	1306.3	1424.7	1529.9	1605.4	1649.5	1683.1	1707.9	1722.6	1735.8	1735.8	1735.8
145°	1391.0	1509.0	1605.8	1681.2	1718.0	1748.9	1776.0	1787.6	1795.3	1795.3	1795.3
147.5°	1479.6	1584.1	1672.3	1744.7	1775.6	1812.0	1833.3	1842.6	1852.2	1848.0	1852.2
150°	1532.2	1629.0	1714.1	1781.8	1812.8	1847.6	1868.9	1876.6	1886.3	1880.5	1886.3
152.5°	1583.3	1675.4	1752.8	1815.9	1842.2	1877.0	1901.4	1909.1	1915.7	1911.4	1915.7
155°	1652.2	1733.4	1805.0	1863.1	1886.3	1919.2	1942.4	1952.1	1959.8	1950.1	1959.8
157.5°	1713.7	1783.7	1846.0	1899.4	1924.2	1952.4	1974.1	1986.1	1993.8	1989.6	1993.8
160°	1750.8	1814.7	1870.8	1921.1	1944.3	1969.5	1992.7	2006.2	2014.0	2008.2	2014.0
162.5°	1781.8	1839.5	1892.5	1938.1	1958.2	1980.3	2008.2	2020.2	2027.9	2020.5	2027.9
165°	1826.3	1872.7	1919.2	1957.9	1975.3	1992.7	2021.7	2035.2	2041.0	2033.3	2041.0
167.5°	1860.0	1895.6	1933.1	1966.4	1979.1	1996.2	2025.2	2036.4	2043.8	2034.1	2043.8
170°	1878.5	1909.5	1942.4	1969.5	1979.1	1994.6	2023.6	2033.3	2039.1	2029.4	2039.1
172.5°	1894.0	1917.2	1943.9	1967.9	1972.9	1985.3	2012.8	2022.5	2026.7	2018.6	2026.7
175°	1909.5	1923.0	1942.4	1957.9	1955.9	1963.7	1986.9	1994.6	2002.4	1990.7	2002.4
177.5°	1916.8	1923.0	1929.2	1938.5	1932.3	1932.3	1949.3	1954.0	1955.5	1949.3	1955.5
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7
2.5°	1295.1	1291.4	1286.1	1285.8	1290.4	1294.2	1295.8	1297.4	1295.8	1294.2	1290.4
5°	1300.0	1294.3	1286.6	1285.1	1290.0	1294.0	1295.5	1296.9	1295.5	1294.0	1290.0
7.5°	1300.2	1295.7	1289.4	1287.9	1291.4	1294.2	1295.2	1296.1	1295.2	1294.2	1291.4
10°	1299.1	1294.5	1287.9	1287.5	1293.3	1297.6	1297.9	1298.2	1297.9	1297.6	1293.3
12.5°	1294.2	1290.9	1285.7	1287.6	1296.5	1302.8	1301.0	1299.2	1301.0	1302.8	1296.5
15°	1277.9	1278.2	1277.3	1283.6	1297.1	1306.0	1301.1	1296.3	1301.1	1306.0	1297.1
17.5°	1248.4	1252.1	1255.3	1265.8	1283.8	1295.6	1288.7	1281.8	1288.7	1295.6	1283.8
20°	1222.7	1228.0	1233.4	1246.1	1265.9	1278.7	1270.7	1262.7	1270.7	1278.7	1265.9
22.5°	1193.5	1199.6	1206.4	1219.3	1238.2	1250.5	1243.1	1235.8	1243.1	1250.5	1238.2
25°	1145.2	1149.6	1154.8	1166.5	1184.9	1197.5	1192.6	1187.7	1192.6	1197.5	1184.9
27.5°	1076.6	1082.0	1088.5	1098.6	1112.4	1122.4	1121.0	1119.6	1121.0	1122.4	1112.4
30°	1026.9	1033.3	1040.2	1048.8	1059.1	1066.9	1066.9	1066.9	1066.9	1066.9	1059.1
32.5°	969.0	975.9	983.5	990.9	998.3	1004.0	1004.7	1005.3	1004.7	1004.0	998.3
35°	870.6	877.3	884.8	891.7	898.0	901.9	898.8	895.6	898.8	901.9	898.0
37.5°	749.8	756.8	764.8	771.2	776.0	779.3	778.1	776.9	778.1	779.3	776.0
40°	661.0	666.7	672.4	678.0	683.5	687.5	687.2	686.9	687.2	687.5	683.5
42.5°	562.0	569.5	578.7	585.9	591.1	593.6	587.8	582.0	587.8	593.6	591.1
45°	413.9	429.1	439.4	442.6	438.6	429.1	403.6	378.0	403.6	429.1	438.6
47.5°	229.7	259.6	289.1	294.4	275.7	253.6	221.8	190.0	221.8	253.6	275.7
50°	122.7	158.3	202.3	207.7	174.7	145.2	126.2	107.3	126.2	145.2	174.7
52.5°	80.4	106.4	139.1	141.0	112.1	88.4	80.0	71.6	80.0	88.4	112.1
55°	39.6	50.4	64.2	64.5	51.3	40.8	38.5	36.2	38.5	40.8	51.3
57.5°	19.2	23.6	28.4	28.3	23.1	18.5	15.4	12.3	15.4	18.5	23.1
60°	5.8	10.1	15.0	15.4	11.4	7.7	4.8	1.9	4.8	7.7	11.4
62.5°	1.6	4.8	8.7	8.8	5.0	2.0	1.2	0.4	1.2	2.0	5.0
65°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.1	7.7	7.7	7.4	6.2	4.6	2.7	1.2	2.7	4.3	7.0
90°	40.6	38.7	38.7	36.8	31.0	23.2	13.5	5.8	13.5	21.3	34.8
92.5°	48.4	48.0	44.9	41.4	34.0	34.0	33.7	21.3	36.8	52.2	75.1
95°	44.5	44.5	52.2	65.8	96.7	98.7	65.8	60.0	85.1	119.9	150.9
97.5°	120.3	143.2	175.7	181.9	172.2	128.5	123.0	114.5	155.9	190.4	240.3
100°	222.5	251.5	274.7	228.3	179.9	178.0	166.4	162.5	207.0	239.9	288.3
102.5°	347.8	356.7	276.3	250.0	238.7	230.6	212.8	210.5	255.0	300.3	340.9
105°	377.3	338.6	340.5	340.5	332.8	317.3	284.4	282.5	332.8	385.0	435.3
107.5°	443.8	449.6	459.7	457.3	448.4	407.0	368.4	359.5	404.7	467.4	522.7
110°	532.0	537.8	541.7	537.8	524.3	472.1	425.6	412.1	452.7	518.5	578.5



TEST NUMBER: P1427555

CATALOG NUMBER: SQ2W-BBM-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	617.2	621.4	629.9	618.3	595.5	535.5	482.9	463.2	503.8	571.1	632.6
115°	752.6	752.6	754.5	748.7	702.3	640.4	570.7	541.7	576.5	638.4	706.1
117.5°	885.7	888.0	880.3	864.8	811.0	739.0	660.9	614.4	641.9	707.3	777.0
120°	969.3	973.1	965.4	942.2	889.9	808.7	719.7	665.5	686.8	750.6	820.3
122.5°	1055.9	1055.2	1045.9	1019.6	958.0	873.7	786.2	719.7	728.6	787.8	855.9
125°	1176.3	1174.3	1166.6	1135.6	1071.8	984.7	882.2	800.9	789.3	839.6	909.3
127.5°	1290.8	1286.5	1274.5	1237.0	1171.6	1087.7	975.1	883.0	857.0	888.8	952.6
130°	1369.7	1363.9	1342.6	1302.0	1238.2	1158.8	1044.7	940.2	903.5	922.8	978.9
132.5°	1445.6	1428.9	1410.7	1367.0	1307.8	1225.4	1109.7	1000.6	949.9	958.4	1002.1
135°	1541.9	1526.4	1503.2	1460.7	1404.5	1323.3	1207.2	1089.2	1019.6	1011.8	1037.0
137.5°	1626.6	1610.4	1584.1	1547.3	1490.8	1418.5	1307.0	1182.5	1094.6	1068.7	1078.4
140°	1679.3	1659.9	1636.7	1599.9	1549.6	1474.2	1365.9	1245.9	1147.2	1110.5	1104.7
142.5°	1722.6	1707.9	1683.1	1649.5	1605.4	1529.9	1424.7	1306.3	1201.4	1153.8	1140.3
145°	1787.6	1776.0	1748.9	1718.0	1681.2	1605.8	1509.0	1391.0	1286.5	1224.6	1195.6
147.5°	1842.6	1833.3	1812.0	1775.6	1744.7	1672.3	1584.1	1479.6	1372.4	1295.8	1258.3
150°	1876.6	1868.9	1847.6	1812.8	1781.8	1714.1	1629.0	1532.2	1429.7	1348.4	1300.1
152.5°	1909.1	1901.4	1877.0	1842.2	1815.9	1752.8	1675.4	1583.3	1479.2	1398.0	1348.1
155°	1952.1	1942.4	1919.2	1886.3	1863.1	1805.0	1733.4	1652.2	1563.2	1478.1	1422.0
157.5°	1986.1	1974.1	1952.4	1924.2	1899.4	1846.0	1783.7	1713.7	1635.9	1554.7	1497.4
160°	2006.2	1992.7	1969.5	1944.3	1921.1	1870.8	1814.7	1750.8	1679.3	1605.8	1543.8
162.5°	2020.2	2008.2	1980.3	1958.2	1938.1	1892.5	1839.5	1781.8	1718.0	1653.7	1596.5
165°	2035.2	2021.7	1992.7	1975.3	1957.9	1919.2	1872.7	1826.3	1772.1	1719.9	1673.5
167.5°	2036.4	2025.2	1996.2	1979.1	1966.4	1933.1	1895.6	1860.0	1817.8	1776.8	1738.1
170°	2033.3	2023.6	1994.6	1979.1	1969.5	1942.4	1909.5	1878.5	1845.6	1810.8	1779.9
172.5°	2022.5	2012.8	1985.3	1972.9	1967.9	1943.9	1917.2	1894.0	1865.8	1840.2	1815.5
175°	1994.6	1986.9	1963.7	1955.9	1957.9	1942.4	1923.0	1909.5	1892.1	1876.6	1863.1
177.5°	1954.0	1949.3	1932.3	1932.3	1938.5	1929.2	1923.0	1916.8	1909.1	1904.5	1899.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1427555

CATALOG NUMBER: SQ2W-BBM-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7
2.5°	1285.8	1286.1	1291.4	1295.1	1293.9	1292.8	1293.9	1295.1	1291.4	1286.1	1285.8
5°	1285.1	1286.6	1294.3	1300.0	1299.4	1298.9	1299.4	1300.0	1294.3	1286.6	1285.1
7.5°	1287.9	1289.4	1295.7	1300.2	1298.7	1297.3	1298.7	1300.2	1295.7	1289.4	1287.9
10°	1287.5	1287.9	1294.5	1299.1	1297.7	1296.3	1297.7	1299.1	1294.5	1287.9	1287.5
12.5°	1287.6	1285.7	1290.9	1294.2	1291.6	1289.0	1291.6	1294.2	1290.9	1285.7	1287.6
15°	1283.6	1277.3	1278.2	1277.9	1274.2	1270.4	1274.2	1277.9	1278.2	1277.3	1283.6
17.5°	1265.8	1255.3	1252.1	1248.4	1243.1	1237.9	1243.1	1248.4	1252.1	1255.3	1265.8
20°	1246.1	1233.4	1228.0	1222.7	1218.1	1213.6	1218.1	1222.7	1228.0	1233.4	1246.1
22.5°	1219.3	1206.4	1199.6	1193.5	1189.8	1186.2	1189.8	1193.5	1199.6	1206.4	1219.3
25°	1166.5	1154.8	1149.6	1145.2	1143.2	1141.2	1143.2	1145.2	1149.6	1154.8	1166.5
27.5°	1098.6	1088.5	1082.0	1076.6	1074.0	1071.4	1074.0	1076.6	1082.0	1088.5	1098.6
30°	1048.8	1040.2	1033.3	1026.9	1022.0	1017.1	1022.0	1026.9	1033.3	1040.2	1048.8
32.5°	990.9	983.5	975.9	969.0	964.1	959.2	964.1	969.0	975.9	983.5	990.9
35°	891.7	884.8	877.3	870.6	866.3	862.0	866.3	870.6	877.3	884.8	891.7
37.5°	771.2	764.8	756.8	749.8	746.2	742.6	746.2	749.8	756.8	764.8	771.2
40°	678.0	672.4	666.7	661.0	655.5	650.1	655.5	661.0	666.7	672.4	678.0
42.5°	585.9	578.7	569.5	562.0	559.8	557.5	559.8	562.0	569.5	578.7	585.9
45°	442.6	439.4	429.1	413.9	384.3	354.8	384.3	413.9	429.1	439.4	442.6
47.5°	294.4	289.1	259.6	229.7	198.4	167.1	198.4	229.7	259.6	289.1	294.4
50°	207.7	202.3	158.3	122.7	112.1	101.5	112.1	122.7	158.3	202.3	207.7
52.5°	141.0	139.1	106.4	80.4	74.4	68.4	74.4	80.4	106.4	139.1	141.0
55°	64.5	64.2	50.4	39.6	37.9	36.2	37.9	39.6	50.4	64.2	64.5
57.5°	28.3	28.4	23.6	19.2	16.4	13.6	16.4	19.2	23.6	28.4	28.3
60°	15.4	15.0	10.1	5.8	3.2	0.6	3.2	5.8	10.1	15.0	15.4
62.5°	8.8	8.7	4.8	1.6	0.9	0.1	0.9	1.6	4.8	8.7	8.8
65°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.9	11.6	14.3	15.9	17.4	16.6	17.4	15.9	14.3	11.6	8.9
90°	44.5	58.0	71.6	79.3	87.1	83.2	87.1	79.3	71.6	58.0	44.5
92.5°	89.4	112.2	128.8	142.8	149.0	148.2	149.0	142.8	128.8	112.2	89.4
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	253.4	234.1	207.0	179.9
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	362.2	344.0	313.8	277.4
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	433.4	412.1	377.3	342.4
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	501.5	478.6	440.7	395.1
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	599.7	570.7	530.1	481.7
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	688.0	655.8	618.3	568.4
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	746.8	717.8	677.1	636.5



TEST NUMBER: P1427555

CATALOG NUMBER: SQ2W-BBM-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	693.8	739.0	779.7	808.7	833.1	843.9	833.1	808.7	779.7	739.0	693.8
115°	773.9	833.8	870.6	897.7	915.1	924.8	915.1	897.7	870.6	833.8	773.9
117.5°	840.4	903.1	943.3	964.2	972.4	979.3	972.4	964.2	943.3	903.1	840.4
120°	882.2	940.2	986.7	1013.8	1023.4	1027.3	1023.4	1013.8	986.7	940.2	882.2
122.5°	920.9	975.8	1020.7	1054.0	1069.9	1073.7	1069.9	1054.0	1020.7	975.8	920.9
125°	975.1	1027.3	1073.7	1106.6	1124.0	1133.7	1124.0	1106.6	1073.7	1027.3	975.1
127.5°	1022.3	1078.8	1121.3	1151.1	1168.1	1175.9	1168.1	1151.1	1121.3	1078.8	1022.3
130°	1048.6	1106.6	1149.2	1182.1	1197.5	1205.3	1197.5	1182.1	1149.2	1106.6	1048.6
132.5°	1068.7	1129.8	1173.9	1203.7	1220.8	1228.5	1220.8	1203.7	1173.9	1129.8	1068.7
135°	1093.1	1156.9	1203.3	1232.4	1247.8	1255.6	1247.8	1232.4	1203.3	1156.9	1093.1
137.5°	1114.4	1172.4	1220.8	1251.3	1265.3	1270.3	1265.3	1251.3	1220.8	1172.4	1114.4
140°	1129.8	1180.1	1228.5	1257.5	1273.0	1274.9	1273.0	1257.5	1228.5	1180.1	1129.8
142.5°	1150.0	1189.4	1231.6	1260.6	1276.1	1279.6	1276.1	1260.6	1231.6	1189.4	1150.0
145°	1185.9	1209.2	1238.2	1265.3	1278.8	1282.7	1278.8	1265.3	1238.2	1209.2	1185.9
147.5°	1231.2	1238.6	1253.6	1271.4	1284.6	1287.3	1284.6	1271.4	1253.6	1238.6	1231.2
150°	1265.3	1263.3	1269.1	1280.7	1292.3	1290.4	1292.3	1280.7	1269.1	1263.3	1265.3
152.5°	1303.9	1292.7	1292.3	1297.8	1303.2	1302.8	1303.2	1297.8	1292.3	1292.7	1303.9
155°	1369.7	1348.4	1336.8	1333.0	1333.0	1331.0	1333.0	1333.0	1336.8	1348.4	1369.7
157.5°	1442.1	1412.3	1394.9	1385.6	1382.9	1378.6	1382.9	1385.6	1394.9	1412.3	1442.1
160°	1491.6	1458.7	1441.3	1425.8	1420.0	1414.2	1420.0	1425.8	1441.3	1458.7	1491.6
162.5°	1538.0	1506.7	1487.7	1473.8	1468.0	1459.1	1468.0	1473.8	1487.7	1506.7	1538.0
165°	1613.5	1580.6	1559.3	1547.7	1540.0	1532.2	1540.0	1547.7	1559.3	1580.6	1613.5
167.5°	1688.9	1653.0	1639.0	1625.9	1618.5	1604.6	1618.5	1625.9	1639.0	1653.0	1688.9
170°	1735.4	1702.5	1694.7	1683.1	1669.6	1654.1	1669.6	1683.1	1694.7	1702.5	1735.4
172.5°	1775.6	1753.6	1745.8	1734.2	1730.0	1717.6	1730.0	1734.2	1745.8	1753.6	1775.6
175°	1834.0	1816.6	1816.6	1814.7	1808.9	1797.3	1808.9	1814.7	1816.6	1816.6	1834.0
177.5°	1882.8	1873.5	1879.7	1879.7	1878.1	1867.3	1878.1	1879.7	1879.7	1873.5	1882.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1427555

CATALOG NUMBER: SQ2W-BBM-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1291.7	1291.7	1291.7	1291.7
2.5°	1290.4	1294.2	1295.8	1297.4
5°	1290.0	1294.0	1295.5	1296.9
7.5°	1291.4	1294.2	1295.2	1296.1
10°	1293.3	1297.6	1297.9	1298.2
12.5°	1296.5	1302.8	1301.0	1299.2
15°	1297.1	1306.0	1301.1	1296.3
17.5°	1283.8	1295.6	1288.7	1281.8
20°	1265.9	1278.7	1270.7	1262.7
22.5°	1238.2	1250.5	1243.1	1235.8
25°	1184.9	1197.5	1192.6	1187.7
27.5°	1112.4	1122.4	1121.0	1119.6
30°	1059.1	1066.9	1066.9	1066.9
32.5°	998.3	1004.0	1004.7	1005.3
35°	898.0	901.9	898.8	895.6
37.5°	776.0	779.3	778.1	776.9
40°	683.5	687.5	687.2	686.9
42.5°	591.1	593.6	587.8	582.0
45°	438.6	429.1	403.6	378.0
47.5°	275.7	253.6	221.8	190.0
50°	174.7	145.2	126.2	107.3
52.5°	112.1	88.4	80.0	71.6
55°	51.3	40.8	38.5	36.2
57.5°	23.1	18.5	15.4	12.3
60°	11.4	7.7	4.8	1.9
62.5°	5.0	2.0	1.2	0.4
65°	0.2	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	7.0	4.3	2.7	1.2
90°	34.8	21.3	13.5	5.8
92.5°	75.1	52.2	36.8	21.3
95°	150.9	119.9	85.1	60.0
97.5°	240.3	190.4	155.9	114.5
100°	288.3	239.9	207.0	162.5
102.5°	340.9	300.3	255.0	210.5
105°	435.3	385.0	332.8	282.5
107.5°	522.7	467.4	404.7	359.5
110°	578.5	518.5	452.7	412.1



TEST NUMBER: P1427555

CATALOG NUMBER: SQ2W-BBM-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	632.6	571.1	503.8	463.2
115°	706.1	638.4	576.5	541.7
117.5°	777.0	707.3	641.9	614.4
120°	820.3	750.6	686.8	665.5
122.5°	855.9	787.8	728.6	719.7
125°	909.3	839.6	789.3	800.9
127.5°	952.6	888.8	857.0	883.0
130°	978.9	922.8	903.5	940.2
132.5°	1002.1	958.4	949.9	1000.6
135°	1037.0	1011.8	1019.6	1089.2
137.5°	1078.4	1068.7	1094.6	1182.5
140°	1104.7	1110.5	1147.2	1245.9
142.5°	1140.3	1153.8	1201.4	1306.3
145°	1195.6	1224.6	1286.5	1391.0
147.5°	1258.3	1295.8	1372.4	1479.6
150°	1300.1	1348.4	1429.7	1532.2
152.5°	1348.1	1398.0	1479.2	1583.3
155°	1422.0	1478.1	1563.2	1652.2
157.5°	1497.4	1554.7	1635.9	1713.7
160°	1543.8	1605.8	1679.3	1750.8
162.5°	1596.5	1653.7	1718.0	1781.8
165°	1673.5	1719.9	1772.1	1826.3
167.5°	1738.1	1776.8	1817.8	1860.0
170°	1779.9	1810.8	1845.6	1878.5
172.5°	1815.5	1840.2	1865.8	1894.0
175°	1863.1	1876.6	1892.1	1909.5
177.5°	1899.8	1904.5	1909.1	1916.8
180°	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1427555
 CATALOG NUMBER: SQ2W-BBM-K-150U-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00