

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: P1427548

Luminaire Tested: SQ2W-BBM-K-125U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427548
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-125U-075D-L940-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 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

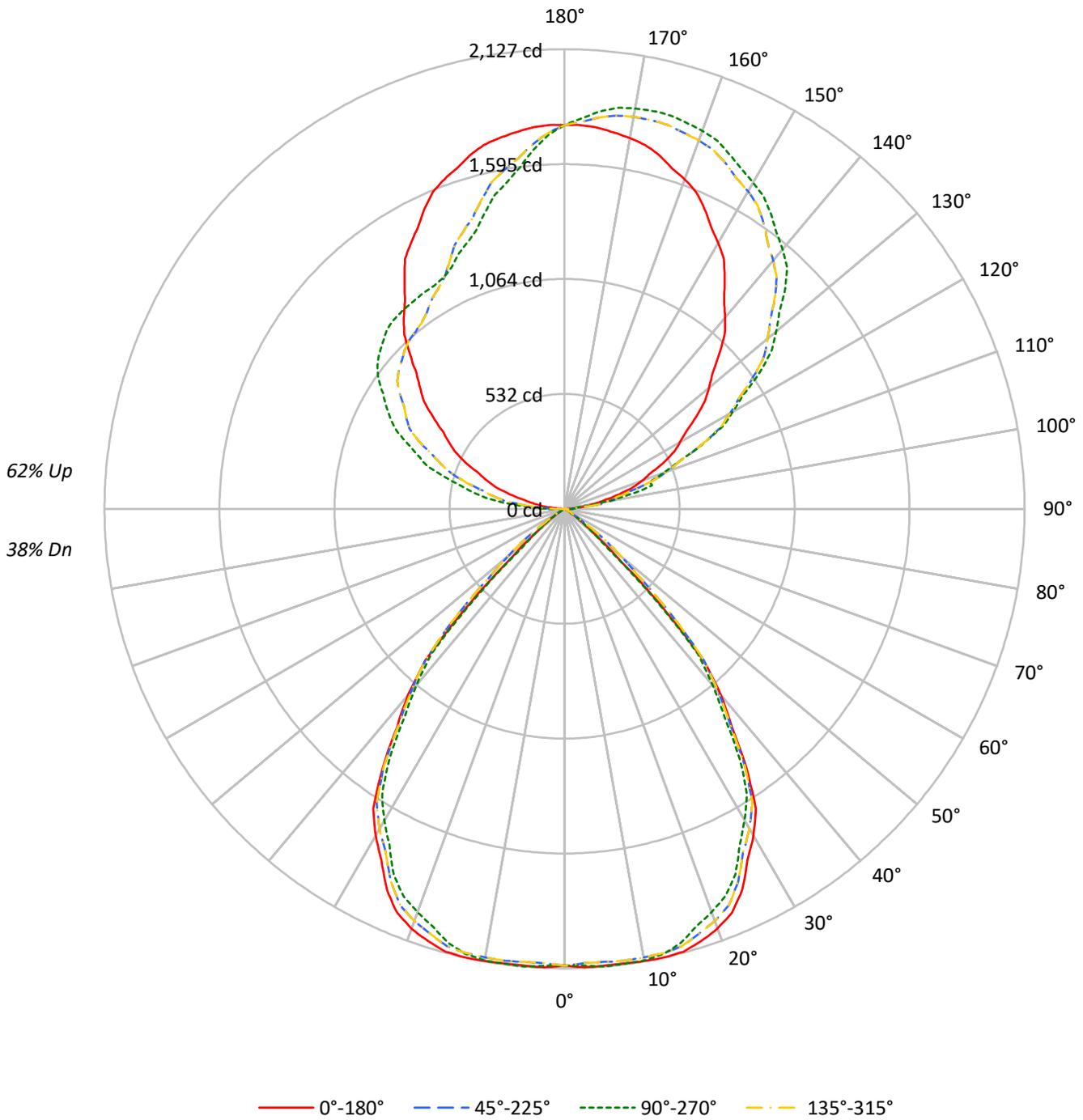
Lumens per Lamp: N/A
Luminaire Lumens: 8353.1 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 71.6
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

TEST NUMBER: P1427548

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427548

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L940-UNV-STD-W-WM-4

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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	97	93	90	87	88	85	82	79	69	67	66	55	54	53	42	41	41	35
2	89	83	78	73	81	76	71	68	63	60	57	50	48	47	39	38	37	32
3	82	74	68	63	75	68	63	59	57	53	50	46	43	41	36	35	33	29
4	76	67	60	55	69	62	56	51	51	47	44	42	39	37	33	32	30	26
5	71	60	53	48	64	56	50	45	47	42	39	39	35	33	31	29	27	24
6	65	55	48	42	60	51	44	40	43	38	35	35	32	30	29	26	25	22
7	61	50	43	38	56	46	40	36	39	35	31	33	29	27	27	24	23	20
8	57	46	39	34	52	42	36	32	36	31	28	30	27	24	25	22	21	18
9	53	42	35	30	49	39	33	29	33	29	26	28	25	22	23	21	19	17
10	50	39	32	28	45	36	30	26	31	26	23	26	23	20	22	19	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34140	34140	34140	34140
5°	34406	34458	34406	34458
10°	34840	34788	34840	34788
15°	35468	34761	35468	34761
20°	35513	34132	35513	34132
25°	34635	33278	34635	33278
30°	32559	31039	32559	31039
35°	28897	27813	28897	27813
40°	23698	22428	23698	22428
45°	14129	13259	14129	13259
50°	4411	4172	4411	4172
55°	1666	1666	1666	1666
60°	103	36	103	36
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: 16543 cd/sqm



TEST NUMBER: P1427548

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.2	2.4
10°-20°	592.2	7.1
20°-30°	871.3	10.4
30°-40°	890.5	10.7
40°-50°	513.0	6.1
50°-60°	88.3	1.1
60°-70°	3.2	0.0
70°-80°	0.0	0.0
80°-90°	9.4	0.1
90°-100°	141.3	1.7
100°-110°	412.2	4.9
110°-120°	672.6	8.1
120°-130°	853.5	10.2
130°-140°	913.3	10.9
140°-150°	852.8	10.2
150°-160°	701.7	8.4
160°-170°	470.6	5.6
170°-180°	167.1	2.0
0°-30°	1665.7	19.9
0°-40°	2556.2	30.6
0°-60°	3157.4	37.8
0°-90°	3170.1	38.0
90°-120°	1226.1	14.7
90°-150°	3845.7	46.0
90°-180°	5185.0	62.1
0°-180°	8353.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2114	2114	2114	2114	2114	
5°	2123	2126	2123	2126	2123	203
15°	2122	2080	2122	2080	2122	597
25°	1944	1868	1944	1868	1944	887
35°	1466	1411	1466	1411	1466	906
45°	619	581	619	581	619	479
55°	59	59	59	59	59	63
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	5	40	5	77	5	4
95°	56	41	56	242	56	67
105°	262	420	262	578	262	279
115°	502	696	502	857	502	495
125°	743	1103	743	1051	743	664
135°	1010	1444	1010	1164	1010	780
145°	1290	1665	1290	1189	1290	807
155°	1532	1808	1532	1234	1532	704
165°	1693	1885	1693	1421	1693	477
175°	1770	1846	1770	1666	1770	168
180°	1776	1776	1776	1776	1776	



TEST NUMBER: P1427548

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
2.5°	2123.8	2121.1	2118.5	2112.2	2104.7	2105.3	2113.9	2119.9	2118.0	2116.2	2118.0
5°	2122.9	2120.6	2118.2	2111.7	2103.7	2106.0	2118.7	2128.0	2127.0	2126.1	2127.0
7.5°	2121.7	2120.1	2118.5	2113.8	2108.2	2110.6	2121.0	2128.3	2125.9	2123.6	2125.9
10°	2125.1	2124.6	2124.1	2116.9	2107.5	2108.2	2119.1	2126.6	2124.2	2121.9	2124.2
12.5°	2126.7	2129.7	2132.6	2122.3	2107.6	2104.6	2113.1	2118.5	2114.3	2110.0	2114.3
15°	2121.9	2129.9	2137.9	2123.3	2101.2	2090.9	2092.3	2091.8	2085.7	2079.6	2085.7
17.5°	2098.2	2109.5	2120.7	2101.5	2072.1	2054.8	2049.6	2043.6	2034.9	2026.3	2034.9
20°	2066.9	2080.0	2093.2	2072.2	2039.7	2019.0	2010.1	2001.5	1994.0	1986.5	1994.0
22.5°	2022.9	2034.9	2046.9	2026.7	1995.8	1974.8	1963.6	1953.7	1947.7	1941.6	1947.7
25°	1944.2	1952.2	1960.2	1939.6	1909.5	1890.2	1881.8	1874.6	1871.3	1868.0	1871.3
27.5°	1832.7	1834.9	1837.2	1820.8	1798.3	1781.7	1771.2	1762.2	1758.0	1753.8	1758.0
30°	1746.4	1746.4	1746.4	1733.7	1716.8	1702.7	1691.4	1680.9	1672.9	1664.9	1672.9
32.5°	1645.7	1644.5	1643.4	1634.1	1622.1	1609.8	1597.4	1586.1	1578.1	1570.1	1578.1
35°	1466.1	1471.2	1476.4	1469.9	1459.6	1448.3	1436.1	1425.2	1418.1	1411.1	1418.1
37.5°	1271.6	1273.6	1275.6	1270.2	1262.4	1251.9	1238.8	1227.4	1221.5	1215.6	1221.5
40°	1124.4	1124.9	1125.3	1118.8	1109.8	1100.7	1091.3	1082.0	1073.0	1064.1	1073.0
42.5°	952.6	962.1	971.6	967.6	959.0	947.2	932.2	920.0	916.3	912.6	916.3
45°	618.8	660.6	702.5	717.9	724.5	719.3	702.4	677.6	629.1	580.7	629.1
47.5°	311.0	363.1	415.2	451.2	482.0	473.2	425.0	376.0	324.8	273.5	324.8
50°	175.6	206.6	237.6	285.9	340.0	331.1	259.2	200.9	183.5	166.1	183.5
52.5°	117.2	130.9	144.7	183.6	230.9	227.7	174.2	131.7	121.8	111.9	121.8
55°	59.2	63.0	66.8	83.9	105.5	105.1	82.5	64.9	62.1	59.2	62.1
57.5°	20.1	25.2	30.3	37.9	46.3	46.6	38.6	31.4	26.8	22.2	26.8
60°	3.2	7.9	12.6	18.7	25.3	24.6	16.6	9.5	5.3	1.1	5.3
62.5°	0.6	2.0	3.3	8.3	14.5	14.3	7.8	2.7	1.4	0.2	1.4
65°	0.0	0.0	0.0	0.4	0.8	0.8	0.4	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°	1.1	2.5	4.3	5.7	6.8	7.2	7.2	7.5	7.9	7.9	7.9
90°	5.4	12.6	21.5	28.7	34.1	35.9	35.9	37.7	39.5	39.5	39.5
92.5°	19.7	31.2	31.6	31.6	38.4	41.6	44.5	44.8	46.6	46.6	46.6
95°	55.6	61.0	91.5	89.7	61.0	48.4	41.3	41.3	41.3	41.3	41.3
97.5°	106.2	114.1	119.1	159.6	168.6	162.9	132.7	111.6	99.7	94.4	99.7
100°	150.7	154.3	165.0	166.8	211.7	254.7	233.2	206.3	197.3	191.9	197.3
102.5°	195.2	197.3	213.8	221.4	231.8	256.2	330.8	322.5	316.4	315.3	316.4
105°	261.9	263.7	294.2	308.5	315.7	315.7	313.9	349.8	407.2	419.7	407.2
107.5°	333.3	341.5	377.4	415.8	424.0	426.2	416.9	411.5	409.3	410.8	409.3
110°	382.1	394.6	437.7	486.1	498.7	502.3	498.7	493.3	489.7	489.7	489.7



TEST NUMBER: P1427548

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	429.4	447.7	496.5	552.1	573.3	584.1	576.2	572.2	568.6	571.5	568.6
115°	502.3	529.2	593.7	651.1	694.2	699.6	697.8	697.8	696.0	696.0	696.0
117.5°	569.7	612.8	685.2	752.0	801.8	816.2	823.3	821.2	819.0	822.6	819.0
120°	617.1	667.3	749.8	825.1	873.6	895.1	902.3	898.7	902.3	898.7	902.3
122.5°	667.3	729.0	810.1	888.3	945.3	969.7	978.3	979.0	979.8	977.6	979.8
125°	742.6	818.0	913.0	993.8	1052.9	1081.6	1088.8	1090.6	1094.2	1103.2	1094.2
127.5°	818.7	904.1	1008.5	1086.3	1146.9	1181.7	1192.9	1196.8	1204.3	1208.3	1204.3
130°	871.8	968.6	1074.5	1148.0	1207.2	1244.9	1264.6	1270.0	1279.0	1277.2	1279.0
132.5°	927.7	1028.9	1136.2	1212.6	1267.5	1308.0	1324.9	1340.3	1343.5	1346.1	1343.5
135°	1009.9	1119.3	1226.9	1302.3	1354.3	1393.8	1415.3	1429.6	1438.6	1444.0	1438.6
137.5°	1096.4	1211.9	1315.2	1382.3	1434.7	1468.7	1493.1	1508.2	1517.5	1521.8	1517.5
140°	1155.2	1266.4	1366.9	1436.8	1483.5	1517.5	1539.1	1557.0	1567.8	1567.8	1567.8
142.5°	1211.2	1320.9	1418.5	1488.5	1529.4	1560.6	1583.5	1597.2	1609.4	1609.4	1609.4
145°	1289.7	1399.1	1488.8	1558.8	1592.9	1621.6	1646.7	1657.5	1664.6	1664.6	1664.6
147.5°	1371.9	1468.7	1550.5	1617.6	1646.3	1680.1	1699.8	1708.4	1717.4	1713.4	1717.4
150°	1420.7	1510.4	1589.3	1652.1	1680.8	1713.1	1732.8	1740.0	1748.9	1743.6	1748.9
152.5°	1468.0	1553.4	1625.2	1683.6	1708.0	1740.3	1762.9	1770.1	1776.2	1772.3	1776.2
155°	1531.9	1607.2	1673.6	1727.4	1748.9	1779.4	1801.0	1809.9	1817.1	1808.1	1817.1
157.5°	1588.9	1653.9	1711.6	1761.1	1784.1	1810.3	1830.4	1841.5	1848.7	1844.7	1848.7
160°	1623.4	1682.6	1734.6	1781.2	1802.7	1826.1	1847.6	1860.1	1867.3	1861.9	1867.3
162.5°	1652.1	1705.5	1754.7	1797.0	1815.7	1836.1	1861.9	1873.1	1880.2	1873.4	1880.2
165°	1693.3	1736.4	1779.4	1815.3	1831.4	1847.6	1874.5	1887.1	1892.4	1885.3	1892.4
167.5°	1724.5	1757.5	1792.3	1823.2	1835.0	1850.8	1877.7	1888.1	1894.9	1886.0	1894.9
170°	1741.8	1770.5	1801.0	1826.1	1835.0	1849.4	1876.3	1885.3	1890.6	1881.7	1890.6
172.5°	1756.1	1777.6	1802.4	1824.6	1829.3	1840.8	1866.2	1875.2	1879.2	1871.6	1879.2
175°	1770.5	1783.0	1801.0	1815.3	1813.5	1820.7	1842.2	1849.4	1856.6	1845.8	1856.6
177.5°	1777.3	1783.0	1788.8	1797.4	1791.6	1791.6	1807.4	1811.7	1813.2	1807.4	1813.2
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427548

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
2.5°	2119.9	2113.9	2105.3	2104.7	2112.2	2118.5	2121.1	2123.8	2121.1	2118.5	2112.2
5°	2128.0	2118.7	2106.0	2103.7	2111.7	2118.2	2120.6	2122.9	2120.6	2118.2	2111.7
7.5°	2128.3	2121.0	2110.6	2108.2	2113.8	2118.5	2120.1	2121.7	2120.1	2118.5	2113.8
10°	2126.6	2119.1	2108.2	2107.5	2116.9	2124.1	2124.6	2125.1	2124.6	2124.1	2116.9
12.5°	2118.5	2113.1	2104.6	2107.6	2122.3	2132.6	2129.7	2126.7	2129.7	2132.6	2122.3
15°	2091.8	2092.3	2090.9	2101.2	2123.3	2137.9	2129.9	2121.9	2129.9	2137.9	2123.3
17.5°	2043.6	2049.6	2054.8	2072.1	2101.5	2120.7	2109.5	2098.2	2109.5	2120.7	2101.5
20°	2001.5	2010.1	2019.0	2039.7	2072.2	2093.2	2080.0	2066.9	2080.0	2093.2	2072.2
22.5°	1953.7	1963.6	1974.8	1995.8	2026.7	2046.9	2034.9	2022.9	2034.9	2046.9	2026.7
25°	1874.6	1881.8	1890.2	1909.5	1939.6	1960.2	1952.2	1944.2	1952.2	1960.2	1939.6
27.5°	1762.2	1771.2	1781.7	1798.3	1820.8	1837.2	1834.9	1832.7	1834.9	1837.2	1820.8
30°	1680.9	1691.4	1702.7	1716.8	1733.7	1746.4	1746.4	1746.4	1746.4	1746.4	1733.7
32.5°	1586.1	1597.4	1609.8	1622.1	1634.1	1643.4	1644.5	1645.7	1644.5	1643.4	1634.1
35°	1425.2	1436.1	1448.3	1459.6	1469.9	1476.4	1471.2	1466.1	1471.2	1476.4	1469.9
37.5°	1227.4	1238.8	1251.9	1262.4	1270.2	1275.6	1273.6	1271.6	1273.6	1275.6	1270.2
40°	1082.0	1091.3	1100.7	1109.8	1118.8	1125.3	1124.9	1124.4	1124.9	1125.3	1118.8
42.5°	920.0	932.2	947.2	959.0	967.6	971.6	962.1	952.6	962.1	971.6	967.6
45°	677.6	702.4	719.3	724.5	717.9	702.5	660.6	618.8	660.6	702.5	717.9
47.5°	376.0	425.0	473.2	482.0	451.2	415.2	363.1	311.0	363.1	415.2	451.2
50°	200.9	259.2	331.1	340.0	285.9	237.6	206.6	175.6	206.6	237.6	285.9
52.5°	131.7	174.2	227.7	230.9	183.6	144.7	130.9	117.2	130.9	144.7	183.6
55°	64.9	82.5	105.1	105.5	83.9	66.8	63.0	59.2	63.0	66.8	83.9
57.5°	31.4	38.6	46.6	46.3	37.9	30.3	25.2	20.1	25.2	30.3	37.9
60°	9.5	16.6	24.6	25.3	18.7	12.6	7.9	3.2	7.9	12.6	18.7
62.5°	2.7	7.8	14.3	14.5	8.3	3.3	2.0	0.6	2.0	3.3	8.3
65°	0.0	0.4	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.4
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°	7.5	7.2	7.2	6.8	5.7	4.3	2.5	1.1	2.5	3.9	6.5
90°	37.7	35.9	35.9	34.1	28.7	21.5	12.6	5.4	12.6	19.7	32.3
92.5°	44.8	44.5	41.6	38.4	31.6	31.6	31.2	19.7	34.1	48.4	69.6
95°	41.3	41.3	48.4	61.0	89.7	91.5	61.0	55.6	78.9	111.2	139.9
97.5°	111.6	132.7	162.9	168.6	159.6	119.1	114.1	106.2	144.6	176.5	222.8
100°	206.3	233.2	254.7	211.7	166.8	165.0	154.3	150.7	191.9	222.4	267.3
102.5°	322.5	330.8	256.2	231.8	221.4	213.8	197.3	195.2	236.4	278.4	316.1
105°	349.8	313.9	315.7	315.7	308.5	294.2	263.7	261.9	308.5	357.0	403.6
107.5°	411.5	416.9	426.2	424.0	415.8	377.4	341.5	333.3	375.3	433.4	484.7
110°	493.3	498.7	502.3	498.7	486.1	437.7	394.6	382.1	419.7	480.7	536.3



TEST NUMBER: P1427548

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	572.2	576.2	584.1	573.3	552.1	496.5	447.7	429.4	467.1	529.5	586.6
115°	697.8	697.8	699.6	694.2	651.1	593.7	529.2	502.3	534.5	591.9	654.7
117.5°	821.2	823.3	816.2	801.8	752.0	685.2	612.8	569.7	595.2	655.8	720.4
120°	898.7	902.3	895.1	873.6	825.1	749.8	667.3	617.1	636.8	696.0	760.6
122.5°	979.0	978.3	969.7	945.3	888.3	810.1	729.0	667.3	675.5	730.4	793.6
125°	1090.6	1088.8	1081.6	1052.9	993.8	913.0	818.0	742.6	731.9	778.5	843.1
127.5°	1196.8	1192.9	1181.7	1146.9	1086.3	1008.5	904.1	818.7	794.6	824.1	883.3
130°	1270.0	1264.6	1244.9	1207.2	1148.0	1074.5	968.6	871.8	837.7	855.6	907.7
132.5°	1340.3	1324.9	1308.0	1267.5	1212.6	1136.2	1028.9	927.7	880.7	888.6	929.2
135°	1429.6	1415.3	1393.8	1354.3	1302.3	1226.9	1119.3	1009.9	945.3	938.1	961.5
137.5°	1508.2	1493.1	1468.7	1434.7	1382.3	1315.2	1211.9	1096.4	1014.9	990.9	999.9
140°	1557.0	1539.1	1517.5	1483.5	1436.8	1366.9	1266.4	1155.2	1063.7	1029.6	1024.2
142.5°	1597.2	1583.5	1560.6	1529.4	1488.5	1418.5	1320.9	1211.2	1113.9	1069.8	1057.3
145°	1657.5	1646.7	1621.6	1592.9	1558.8	1488.8	1399.1	1289.7	1192.9	1135.5	1108.6
147.5°	1708.4	1699.8	1680.1	1646.3	1617.6	1550.5	1468.7	1371.9	1272.5	1201.5	1166.7
150°	1740.0	1732.8	1713.1	1680.8	1652.1	1589.3	1510.4	1420.7	1325.6	1250.3	1205.4
152.5°	1770.1	1762.9	1740.3	1708.0	1683.6	1625.2	1553.4	1468.0	1371.5	1296.2	1249.9
155°	1809.9	1801.0	1779.4	1748.9	1727.4	1673.6	1607.2	1531.9	1449.4	1370.4	1318.4
157.5°	1841.5	1830.4	1810.3	1784.1	1761.1	1711.6	1653.9	1588.9	1516.8	1441.5	1388.4
160°	1860.1	1847.6	1826.1	1802.7	1781.2	1734.6	1682.6	1623.4	1557.0	1488.8	1431.4
162.5°	1873.1	1861.9	1836.1	1815.7	1797.0	1754.7	1705.5	1652.1	1592.9	1533.3	1480.2
165°	1887.1	1874.5	1847.6	1831.4	1815.3	1779.4	1736.4	1693.3	1643.1	1594.7	1551.6
167.5°	1888.1	1877.7	1850.8	1835.0	1823.2	1792.3	1757.5	1724.5	1685.4	1647.4	1611.5
170°	1885.3	1876.3	1849.4	1835.0	1826.1	1801.0	1770.5	1741.8	1711.3	1679.0	1650.3
172.5°	1875.2	1866.2	1840.8	1829.3	1824.6	1802.4	1777.6	1756.1	1729.9	1706.2	1683.3
175°	1849.4	1842.2	1820.7	1813.5	1815.3	1801.0	1783.0	1770.5	1754.3	1740.0	1727.4
177.5°	1811.7	1807.4	1791.6	1791.6	1797.4	1788.8	1783.0	1777.3	1770.1	1765.8	1761.5
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427548

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
2.5°	2104.7	2105.3	2113.9	2119.9	2118.0	2116.2	2118.0	2119.9	2113.9	2105.3	2104.7
5°	2103.7	2106.0	2118.7	2128.0	2127.0	2126.1	2127.0	2128.0	2118.7	2106.0	2103.7
7.5°	2108.2	2110.6	2121.0	2128.3	2125.9	2123.6	2125.9	2128.3	2121.0	2110.6	2108.2
10°	2107.5	2108.2	2119.1	2126.6	2124.2	2121.9	2124.2	2126.6	2119.1	2108.2	2107.5
12.5°	2107.6	2104.6	2113.1	2118.5	2114.3	2110.0	2114.3	2118.5	2113.1	2104.6	2107.6
15°	2101.2	2090.9	2092.3	2091.8	2085.7	2079.6	2085.7	2091.8	2092.3	2090.9	2101.2
17.5°	2072.1	2054.8	2049.6	2043.6	2034.9	2026.3	2034.9	2043.6	2049.6	2054.8	2072.1
20°	2039.7	2019.0	2010.1	2001.5	1994.0	1986.5	1994.0	2001.5	2010.1	2019.0	2039.7
22.5°	1995.8	1974.8	1963.6	1953.7	1947.7	1941.6	1947.7	1953.7	1963.6	1974.8	1995.8
25°	1909.5	1890.2	1881.8	1874.6	1871.3	1868.0	1871.3	1874.6	1881.8	1890.2	1909.5
27.5°	1798.3	1781.7	1771.2	1762.2	1758.0	1753.8	1758.0	1762.2	1771.2	1781.7	1798.3
30°	1716.8	1702.7	1691.4	1680.9	1672.9	1664.9	1672.9	1680.9	1691.4	1702.7	1716.8
32.5°	1622.1	1609.8	1597.4	1586.1	1578.1	1570.1	1578.1	1586.1	1597.4	1609.8	1622.1
35°	1459.6	1448.3	1436.1	1425.2	1418.1	1411.1	1418.1	1425.2	1436.1	1448.3	1459.6
37.5°	1262.4	1251.9	1238.8	1227.4	1221.5	1215.6	1221.5	1227.4	1238.8	1251.9	1262.4
40°	1109.8	1100.7	1091.3	1082.0	1073.0	1064.1	1073.0	1082.0	1091.3	1100.7	1109.8
42.5°	959.0	947.2	932.2	920.0	916.3	912.6	916.3	920.0	932.2	947.2	959.0
45°	724.5	719.3	702.4	677.6	629.1	580.7	629.1	677.6	702.4	719.3	724.5
47.5°	482.0	473.2	425.0	376.0	324.8	273.5	324.8	376.0	425.0	473.2	482.0
50°	340.0	331.1	259.2	200.9	183.5	166.1	183.5	200.9	259.2	331.1	340.0
52.5°	230.9	227.7	174.2	131.7	121.8	111.9	121.8	131.7	174.2	227.7	230.9
55°	105.5	105.1	82.5	64.9	62.1	59.2	62.1	64.9	82.5	105.1	105.5
57.5°	46.3	46.6	38.6	31.4	26.8	22.2	26.8	31.4	38.6	46.6	46.3
60°	25.3	24.6	16.6	9.5	5.3	1.1	5.3	9.5	16.6	24.6	25.3
62.5°	14.5	14.3	7.8	2.7	1.4	0.2	1.4	2.7	7.8	14.3	14.5
65°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.8
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°	8.3	10.8	13.3	14.7	16.1	15.4	16.1	14.7	13.3	10.8	8.3
90°	41.3	53.8	66.4	73.5	80.7	77.1	80.7	73.5	66.4	53.8	41.3
92.5°	82.9	104.0	119.5	132.4	138.1	137.4	138.1	132.4	119.5	104.0	82.9
95°	166.8	191.9	217.0	235.0	245.7	242.2	245.7	235.0	217.0	191.9	166.8
97.5°	257.2	291.0	318.9	335.8	346.6	353.7	346.6	335.8	318.9	291.0	257.2
100°	317.5	349.8	382.1	401.8	419.7	426.9	419.7	401.8	382.1	349.8	317.5
102.5°	366.3	408.6	443.8	464.9	480.0	487.2	480.0	464.9	443.8	408.6	366.3
105°	446.7	491.5	529.2	556.1	572.2	577.6	572.2	556.1	529.2	491.5	446.7
107.5°	527.0	573.3	608.1	637.9	657.6	669.1	657.6	608.1	573.3	527.0	527.0
110°	590.2	627.8	665.5	692.4	712.1	719.3	712.1	692.4	665.5	627.8	590.2



TEST NUMBER: P1427548

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	643.2	685.2	722.9	749.8	772.4	782.4	772.4	749.8	722.9	685.2	643.2
115°	717.5	773.1	807.2	832.3	848.5	857.4	848.5	832.3	807.2	773.1	717.5
117.5°	779.2	837.3	874.6	894.0	901.6	908.0	901.6	894.0	874.6	837.3	779.2
120°	818.0	871.8	914.8	939.9	948.9	952.5	948.9	939.9	914.8	871.8	818.0
122.5°	853.8	904.8	946.4	977.3	992.0	995.5	992.0	977.3	946.4	904.8	853.8
125°	904.1	952.5	995.5	1026.0	1042.2	1051.2	1042.2	1026.0	995.5	952.5	904.1
127.5°	947.8	1000.2	1039.7	1067.3	1083.1	1090.3	1083.1	1067.3	1039.7	1000.2	947.8
130°	972.2	1026.0	1065.5	1096.0	1110.3	1117.5	1110.3	1096.0	1065.5	1026.0	972.2
132.5°	990.9	1047.6	1088.5	1116.1	1131.9	1139.0	1131.9	1116.1	1088.5	1047.6	990.9
135°	1013.5	1072.7	1115.7	1142.6	1157.0	1164.2	1157.0	1142.6	1115.7	1072.7	1013.5
137.5°	1033.2	1087.0	1131.9	1160.2	1173.1	1177.8	1173.1	1160.2	1131.9	1087.0	1033.2
140°	1047.6	1094.2	1139.0	1166.0	1180.3	1182.1	1180.3	1166.0	1139.0	1094.2	1047.6
142.5°	1066.2	1102.8	1141.9	1168.8	1183.2	1186.4	1183.2	1168.8	1141.9	1102.8	1066.2
145°	1099.6	1121.1	1148.0	1173.1	1185.7	1189.3	1185.7	1173.1	1148.0	1121.1	1099.6
147.5°	1141.6	1148.4	1162.4	1178.9	1191.1	1193.6	1191.1	1178.9	1162.4	1148.4	1141.6
150°	1173.1	1171.3	1176.7	1187.5	1198.2	1196.5	1198.2	1187.5	1176.7	1171.3	1173.1
152.5°	1209.0	1198.6	1198.2	1203.3	1208.3	1207.9	1208.3	1203.3	1198.2	1198.6	1209.0
155°	1270.0	1250.3	1239.5	1235.9	1235.9	1234.1	1235.9	1235.9	1239.5	1250.3	1270.0
157.5°	1337.1	1309.5	1293.3	1284.7	1282.2	1278.2	1282.2	1284.7	1293.3	1309.5	1337.1
160°	1383.0	1352.5	1336.4	1322.0	1316.6	1311.3	1316.6	1322.0	1336.4	1352.5	1383.0
162.5°	1426.1	1397.0	1379.4	1366.5	1361.1	1352.9	1361.1	1366.5	1379.4	1397.0	1426.1
165°	1496.0	1465.5	1445.8	1435.0	1427.8	1420.7	1427.8	1435.0	1445.8	1465.5	1496.0
167.5°	1566.0	1532.6	1519.7	1507.5	1500.7	1487.8	1500.7	1507.5	1519.7	1532.6	1566.0
170°	1609.0	1578.5	1571.4	1560.6	1548.0	1533.7	1548.0	1560.6	1571.4	1578.5	1609.0
172.5°	1646.3	1625.9	1618.7	1607.9	1604.0	1592.5	1604.0	1607.9	1618.7	1625.9	1646.3
175°	1700.5	1684.4	1684.4	1682.6	1677.2	1666.4	1677.2	1682.6	1684.4	1684.4	1700.5
177.5°	1745.7	1737.1	1742.8	1742.8	1741.4	1731.4	1741.4	1742.8	1742.8	1737.1	1745.7
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427548

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2114.5	2114.5	2114.5	2114.5
2.5°	2112.2	2118.5	2121.1	2123.8
5°	2111.7	2118.2	2120.6	2122.9
7.5°	2113.8	2118.5	2120.1	2121.7
10°	2116.9	2124.1	2124.6	2125.1
12.5°	2122.3	2132.6	2129.7	2126.7
15°	2123.3	2137.9	2129.9	2121.9
17.5°	2101.5	2120.7	2109.5	2098.2
20°	2072.2	2093.2	2080.0	2066.9
22.5°	2026.7	2046.9	2034.9	2022.9
25°	1939.6	1960.2	1952.2	1944.2
27.5°	1820.8	1837.2	1834.9	1832.7
30°	1733.7	1746.4	1746.4	1746.4
32.5°	1634.1	1643.4	1644.5	1645.7
35°	1469.9	1476.4	1471.2	1466.1
37.5°	1270.2	1275.6	1273.6	1271.6
40°	1118.8	1125.3	1124.9	1124.4
42.5°	967.6	971.6	962.1	952.6
45°	717.9	702.5	660.6	618.8
47.5°	451.2	415.2	363.1	311.0
50°	285.9	237.6	206.6	175.6
52.5°	183.6	144.7	130.9	117.2
55°	83.9	66.8	63.0	59.2
57.5°	37.9	30.3	25.2	20.1
60°	18.7	12.6	7.9	3.2
62.5°	8.3	3.3	2.0	0.6
65°	0.4	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°	6.5	3.9	2.5	1.1
90°	32.3	19.7	12.6	5.4
92.5°	69.6	48.4	34.1	19.7
95°	139.9	111.2	78.9	55.6
97.5°	222.8	176.5	144.6	106.2
100°	267.3	222.4	191.9	150.7
102.5°	316.1	278.4	236.4	195.2
105°	403.6	357.0	308.5	261.9
107.5°	484.7	433.4	375.3	333.3
110°	536.3	480.7	419.7	382.1

TEST NUMBER: P1427548

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	586.6	529.5	467.1	429.4
115°	654.7	591.9	534.5	502.3
117.5°	720.4	655.8	595.2	569.7
120°	760.6	696.0	636.8	617.1
122.5°	793.6	730.4	675.5	667.3
125°	843.1	778.5	731.9	742.6
127.5°	883.3	824.1	794.6	818.7
130°	907.7	855.6	837.7	871.8
132.5°	929.2	888.6	880.7	927.7
135°	961.5	938.1	945.3	1009.9
137.5°	999.9	990.9	1014.9	1096.4
140°	1024.2	1029.6	1063.7	1155.2
142.5°	1057.3	1069.8	1113.9	1211.2
145°	1108.6	1135.5	1192.9	1289.7
147.5°	1166.7	1201.5	1272.5	1371.9
150°	1205.4	1250.3	1325.6	1420.7
152.5°	1249.9	1296.2	1371.5	1468.0
155°	1318.4	1370.4	1449.4	1531.9
157.5°	1388.4	1441.5	1516.8	1588.9
160°	1431.4	1488.8	1557.0	1623.4
162.5°	1480.2	1533.3	1592.9	1652.1
165°	1551.6	1594.7	1643.1	1693.3
167.5°	1611.5	1647.4	1685.4	1724.5
170°	1650.3	1679.0	1711.3	1741.8
172.5°	1683.3	1706.2	1729.9	1756.1
175°	1727.4	1740.0	1754.3	1770.5
177.5°	1761.5	1765.8	1770.1	1777.3
180°	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427548
 CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L940-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