

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: P1428555

Luminaire Tested: SQ2W-WBM-K-125U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428555
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-075D-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 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

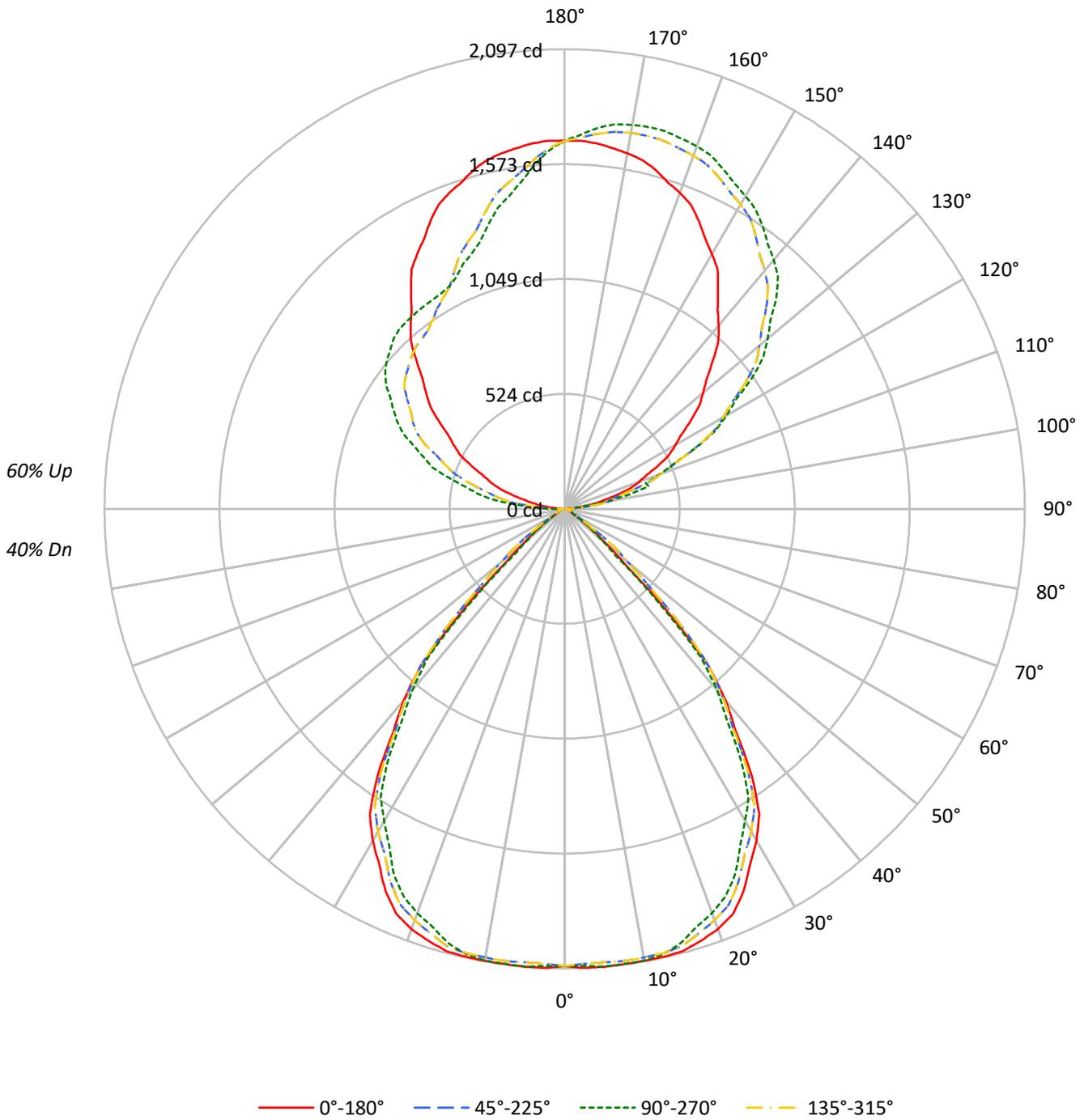
Lumens per Lamp: N/A
Luminaire Lumens: 8171.8 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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

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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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	97	93	90	87	88	85	82	80	70	68	67	56	55	54	44	43	42	36
2	90	83	78	73	82	76	72	68	63	60	58	51	49	48	40	39	38	33
3	83	74	68	63	75	68	63	59	57	53	50	47	44	42	37	36	34	30
4	76	67	60	55	70	62	56	51	52	48	44	43	40	37	34	32	31	27
5	71	60	53	48	65	56	50	45	47	43	39	39	36	33	32	30	28	25
6	66	55	48	42	60	51	44	40	43	38	35	36	33	30	29	27	25	22
7	61	50	43	38	56	46	40	36	40	35	31	33	30	27	27	25	23	20
8	57	46	39	34	52	42	36	32	36	32	28	31	27	25	25	23	21	19
9	53	42	35	30	49	39	33	29	34	29	26	28	25	23	24	21	19	17
10	50	39	32	28	46	36	30	26	31	26	23	26	23	21	22	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	33680	33680	33680	33680
5°	33987	33970	33987	33970
10°	34330	34314	34330	34314
15°	34901	34283	34901	34283
20°	35068	33728	35068	33728
25°	34347	32779	34347	32779
30°	32588	30650	32588	30650
35°	29309	27653	29309	27653
40°	24027	22763	24027	22763
45°	15024	14111	15024	14111
50°	5878	5375	5878	5375
55°	2899	2871	2899	2871
60°	1356	1227	1356	1227
65°	1223	1146	1223	1146
70°	1180	1133	1180	1133
75°	1185	1060	1185	1060
80°	1116	1023	1116	1023
85°	1111	926	1111	926

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 17102 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.4	2.4
10°-20°	583.2	7.1
20°-30°	862.3	10.6
30°-40°	892.2	10.9
40°-50°	536.6	6.6
50°-60°	128.3	1.6
60°-70°	35.1	0.4
70°-80°	19.6	0.2
80°-90°	13.1	0.2
90°-100°	133.6	1.6
100°-110°	389.6	4.8
110°-120°	635.9	7.8
120°-130°	806.9	9.9
130°-140°	863.4	10.6
140°-150°	806.2	9.9
150°-160°	663.4	8.1
160°-170°	444.9	5.4
170°-180°	158.0	1.9
0°-30°	1644.9	20.1
0°-40°	2537.1	31.0
0°-60°	3202.0	39.2
0°-90°	3269.9	40.0
90°-120°	1159.2	14.2
90°-150°	3635.7	44.5
90°-180°	4902.0	60.0
0°-180°	8171.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2086	2086	2086	2086	2086	
5°	2097	2096	2097	2096	2097	200
15°	2088	2051	2088	2051	2088	588
25°	1928	1840	1928	1840	1928	881
35°	1487	1403	1487	1403	1487	913
45°	658	618	658	618	658	509
55°	103	102	103	102	103	103
65°	32	30	32	30	32	32
75°	19	17	19	17	19	20
85°	6	5	6	5	6	6
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°	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0
2.5°	2096.4	2093.9	2091.4	2085.2	2077.7	2077.9	2085.7	2091.2	2089.4	2087.6	2089.4
5°	2097.0	2093.9	2090.8	2083.7	2075.2	2077.2	2089.7	2098.7	2097.3	2096.0	2097.3
7.5°	2094.8	2093.5	2092.1	2086.9	2080.4	2081.9	2091.3	2097.9	2095.8	2093.8	2095.8
10°	2094.0	2094.4	2094.9	2088.0	2078.7	2078.9	2088.7	2095.7	2094.3	2093.0	2094.3
12.5°	2093.2	2096.8	2100.5	2091.2	2077.6	2074.6	2082.3	2087.2	2084.1	2081.0	2084.1
15°	2088.0	2095.1	2102.2	2089.7	2070.6	2061.0	2061.0	2059.9	2055.4	2051.0	2055.4
17.5°	2065.8	2074.2	2082.7	2065.7	2040.2	2024.0	2017.1	2010.6	2005.2	1999.8	2005.2
20°	2041.0	2049.4	2057.9	2037.7	2007.9	1987.4	1976.3	1967.4	1965.2	1963.0	1965.2
22.5°	2001.8	2011.0	2020.1	1998.5	1966.6	1944.5	1932.3	1922.3	1918.6	1915.0	1918.6
25°	1928.0	1935.1	1942.2	1919.7	1887.2	1866.6	1857.7	1849.8	1844.9	1840.0	1844.9
27.5°	1829.6	1833.5	1837.4	1815.6	1785.2	1764.9	1754.8	1745.5	1738.8	1732.0	1738.8
30°	1748.0	1749.8	1751.6	1734.0	1710.0	1691.3	1678.0	1665.3	1654.7	1644.0	1654.7
32.5°	1651.2	1653.0	1654.8	1639.3	1618.2	1601.3	1588.7	1577.1	1568.5	1560.0	1568.5
35°	1487.0	1486.1	1485.2	1475.3	1462.4	1448.7	1434.0	1420.8	1411.9	1403.0	1411.9
37.5°	1281.6	1282.8	1284.1	1276.7	1266.5	1255.6	1244.1	1233.2	1224.2	1215.2	1224.2
40°	1140.0	1140.9	1141.8	1135.7	1127.2	1114.6	1097.7	1084.4	1082.2	1080.0	1082.2
42.5°	967.2	980.5	993.9	988.5	976.8	964.5	951.5	939.2	928.8	918.4	928.8
45°	658.0	698.4	738.9	749.0	749.0	741.2	725.7	703.3	660.7	618.0	660.7
47.5°	371.6	417.6	463.7	493.9	518.9	508.3	462.1	414.4	362.6	310.8	362.6
50°	234.0	265.1	296.2	335.0	376.3	365.0	301.0	248.7	231.3	214.0	231.3
52.5°	166.0	181.8	197.6	234.2	277.7	272.4	218.3	175.5	166.4	157.2	166.4
55°	103.0	108.8	114.6	132.3	154.1	152.8	128.3	109.1	105.6	102.0	105.6
57.5°	61.2	67.2	73.1	81.0	89.5	89.5	81.0	73.2	67.6	62.0	67.6
60°	42.0	46.9	51.8	58.3	65.4	64.6	55.7	47.8	42.9	38.0	42.9
62.5°	36.4	38.4	40.5	45.5	51.6	51.0	43.9	38.2	36.5	34.8	36.5
65°	32.0	32.4	32.9	33.3	33.8	33.6	32.7	31.8	30.9	30.0	30.9
67.5°	28.2	28.6	29.1	28.9	28.6	28.4	28.3	28.0	27.2	26.4	27.2
70°	25.0	25.4	25.9	26.0	26.0	25.8	25.3	24.9	24.4	24.0	24.4
72.5°	22.6	23.0	23.5	23.3	23.0	22.8	22.7	22.4	21.6	20.8	21.6
75°	19.0	19.0	19.0	19.0	19.0	18.8	18.3	17.9	17.4	17.0	17.4
77.5°	14.4	14.8	15.3	15.1	14.6	14.4	14.4	14.3	13.8	13.4	13.8
80°	12.0	12.4	12.9	12.7	12.2	12.0	12.0	11.9	11.4	11.0	11.4
82.5°	9.6	9.7	9.8	9.7	9.6	9.6	9.6	9.5	9.0	8.6	9.0
85°	6.0	6.0	6.0	5.7	5.2	5.0	5.0	5.0	5.0	5.0	5.0
87.5°	2.6	4.3	6.4	7.6	8.2	8.4	8.4	8.7	9.1	9.1	9.1
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°	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0
2.5°	2091.2	2085.7	2077.9	2077.7	2085.2	2091.4	2093.9	2096.4	2093.9	2091.4	2085.2
5°	2098.7	2089.7	2077.2	2075.2	2083.7	2090.8	2093.9	2097.0	2093.9	2090.8	2083.7
7.5°	2097.9	2091.3	2081.9	2080.4	2086.9	2092.1	2093.5	2094.8	2093.5	2092.1	2086.9
10°	2095.7	2088.7	2078.9	2078.7	2088.0	2094.9	2094.4	2094.0	2094.4	2094.9	2088.0
12.5°	2087.2	2082.3	2074.6	2077.6	2091.2	2100.5	2096.8	2093.2	2096.8	2100.5	2091.2
15°	2059.9	2061.0	2061.0	2070.6	2089.7	2102.2	2095.1	2088.0	2095.1	2102.2	2089.7
17.5°	2010.6	2017.1	2024.0	2040.2	2065.7	2082.7	2074.2	2065.8	2074.2	2082.7	2065.7
20°	1967.4	1976.3	1987.4	2007.9	2037.7	2057.9	2049.4	2041.0	2049.4	2057.9	2037.7
22.5°	1922.3	1932.3	1944.5	1966.6	1998.5	2020.1	2011.0	2001.8	2011.0	2020.1	1998.5
25°	1849.8	1857.7	1866.6	1887.2	1919.7	1942.2	1935.1	1928.0	1935.1	1942.2	1919.7
27.5°	1745.5	1754.8	1764.9	1785.2	1815.6	1837.4	1833.5	1829.6	1833.5	1837.4	1815.6
30°	1665.3	1678.0	1691.3	1710.0	1734.0	1751.6	1749.8	1748.0	1749.8	1751.6	1734.0
32.5°	1577.1	1588.7	1601.3	1618.2	1639.3	1654.8	1653.0	1651.2	1653.0	1654.8	1639.3
35°	1420.8	1434.0	1448.7	1462.4	1475.3	1485.2	1486.1	1487.0	1486.1	1485.2	1475.3
37.5°	1233.2	1244.1	1255.6	1266.5	1276.7	1284.1	1282.8	1281.6	1282.8	1284.1	1276.7
40°	1084.4	1097.7	1114.6	1127.2	1135.7	1141.8	1140.9	1140.0	1140.9	1141.8	1135.7
42.5°	939.2	951.5	964.5	976.8	988.5	993.9	980.5	967.2	980.5	993.9	988.5
45°	703.3	725.7	741.2	749.0	749.0	738.9	698.4	658.0	698.4	738.9	749.0
47.5°	414.4	462.1	508.3	518.9	493.9	463.7	417.6	371.6	417.6	463.7	493.9
50°	248.7	301.0	365.0	376.3	335.0	296.2	265.1	234.0	265.1	296.2	335.0
52.5°	175.5	218.3	272.4	277.7	234.2	197.6	181.8	166.0	181.8	197.6	234.2
55°	109.1	128.3	152.8	154.1	132.3	114.6	108.8	103.0	108.8	114.6	132.3
57.5°	73.2	81.0	89.5	89.5	81.0	73.1	67.2	61.2	67.2	73.1	81.0
60°	47.8	55.7	64.6	65.4	58.3	51.8	46.9	42.0	46.9	51.8	58.3
62.5°	38.2	43.9	51.0	51.6	45.5	40.5	38.4	36.4	38.4	40.5	45.5
65°	31.8	32.7	33.6	33.8	33.3	32.9	32.4	32.0	32.4	32.9	33.3
67.5°	28.0	28.3	28.4	28.6	28.9	29.1	28.6	28.2	28.6	29.1	28.9
70°	24.9	25.3	25.8	26.0	26.0	25.9	25.4	25.0	25.4	25.9	26.0
72.5°	22.4	22.7	22.8	23.0	23.3	23.5	23.0	22.6	23.0	23.5	23.3
75°	17.9	18.3	18.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
77.5°	14.3	14.4	14.4	14.6	15.1	15.3	14.8	14.4	14.8	15.3	15.1
80°	11.9	12.0	12.0	12.2	12.7	12.9	12.4	12.0	12.4	12.9	12.7
82.5°	9.5	9.6	9.6	9.6	9.7	9.8	9.7	9.6	9.7	9.8	9.7
85°	5.0	5.0	5.0	5.2	5.7	6.0	6.0	6.0	6.0	6.0	5.7
87.5°	8.7	8.4	8.4	8.2	7.6	6.4	4.3	2.6	4.3	6.0	8.2
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: P1428555

CATALOG NUMBER: SQ2W-WBM-K-125U-075D-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: P1428555

CATALOG NUMBER: SQ2W-WBM-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0
2.5°	2077.7	2077.9	2085.7	2091.2	2089.4	2087.6	2089.4	2091.2	2085.7	2077.9	2077.7
5°	2075.2	2077.2	2089.7	2098.7	2097.3	2096.0	2097.3	2098.7	2089.7	2077.2	2075.2
7.5°	2080.4	2081.9	2091.3	2097.9	2095.8	2093.8	2095.8	2097.9	2091.3	2081.9	2080.4
10°	2078.7	2078.9	2088.7	2095.7	2094.3	2093.0	2094.3	2095.7	2088.7	2078.9	2078.7
12.5°	2077.6	2074.6	2082.3	2087.2	2084.1	2081.0	2084.1	2087.2	2082.3	2074.6	2077.6
15°	2070.6	2061.0	2061.0	2059.9	2055.4	2051.0	2055.4	2059.9	2061.0	2061.0	2070.6
17.5°	2040.2	2024.0	2017.1	2010.6	2005.2	1999.8	2005.2	2010.6	2017.1	2024.0	2040.2
20°	2007.9	1987.4	1976.3	1967.4	1965.2	1963.0	1965.2	1967.4	1976.3	1987.4	2007.9
22.5°	1966.6	1944.5	1932.3	1922.3	1918.6	1915.0	1918.6	1922.3	1932.3	1944.5	1966.6
25°	1887.2	1866.6	1857.7	1849.8	1844.9	1840.0	1844.9	1849.8	1857.7	1866.6	1887.2
27.5°	1785.2	1764.9	1754.8	1745.5	1738.8	1732.0	1738.8	1745.5	1754.8	1764.9	1785.2
30°	1710.0	1691.3	1678.0	1665.3	1654.7	1644.0	1654.7	1665.3	1678.0	1691.3	1710.0
32.5°	1618.2	1601.3	1588.7	1577.1	1568.5	1560.0	1568.5	1577.1	1588.7	1601.3	1618.2
35°	1462.4	1448.7	1434.0	1420.8	1411.9	1403.0	1411.9	1420.8	1434.0	1448.7	1462.4
37.5°	1266.5	1255.6	1244.1	1233.2	1224.2	1215.2	1224.2	1233.2	1244.1	1255.6	1266.5
40°	1127.2	1114.6	1097.7	1084.4	1082.2	1080.0	1082.2	1084.4	1097.7	1114.6	1127.2
42.5°	976.8	964.5	951.5	939.2	928.8	918.4	928.8	939.2	951.5	964.5	976.8
45°	749.0	741.2	725.7	703.3	660.7	618.0	660.7	703.3	725.7	741.2	749.0
47.5°	518.9	508.3	462.1	414.4	362.6	310.8	362.6	414.4	462.1	508.3	518.9
50°	376.3	365.0	301.0	248.7	231.3	214.0	231.3	248.7	301.0	365.0	376.3
52.5°	277.7	272.4	218.3	175.5	166.4	157.2	166.4	175.5	218.3	272.4	277.7
55°	154.1	152.8	128.3	109.1	105.6	102.0	105.6	109.1	128.3	152.8	154.1
57.5°	89.5	89.5	81.0	73.2	67.6	62.0	67.6	73.2	81.0	89.5	89.5
60°	65.4	64.6	55.7	47.8	42.9	38.0	42.9	47.8	55.7	64.6	65.4
62.5°	51.6	51.0	43.9	38.2	36.5	34.8	36.5	38.2	43.9	51.0	51.6
65°	33.8	33.6	32.7	31.8	30.9	30.0	30.9	31.8	32.7	33.6	33.8
67.5°	28.6	28.4	28.3	28.0	27.2	26.4	27.2	28.0	28.3	28.4	28.6
70°	26.0	25.8	25.3	24.9	24.4	24.0	24.4	24.9	25.3	25.8	26.0
72.5°	23.0	22.8	22.7	22.4	21.6	20.8	21.6	22.4	22.7	22.8	23.0
75°	19.0	18.8	18.3	17.9	17.4	17.0	17.4	17.9	18.3	18.8	19.0
77.5°	14.6	14.4	14.4	14.3	13.8	13.4	13.8	14.3	14.4	14.4	14.6
80°	12.2	12.0	12.0	11.9	11.4	11.0	11.4	11.9	12.0	12.0	12.2
82.5°	9.6	9.6	9.6	9.5	9.0	8.6	9.0	9.5	9.6	9.6	9.6
85°	5.2	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.2
87.5°	9.6	11.8	14.1	15.5	16.9	16.2	16.9	15.5	14.1	11.8	9.6
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: P1428555

CATALOG NUMBER: SQ2W-WBM-K-125U-075D-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: P1428555

CATALOG NUMBER: SQ2W-WBM-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2086.0	2086.0	2086.0	2086.0
2.5°	2085.2	2091.4	2093.9	2096.4
5°	2083.7	2090.8	2093.9	2097.0
7.5°	2086.9	2092.1	2093.5	2094.8
10°	2088.0	2094.9	2094.4	2094.0
12.5°	2091.2	2100.5	2096.8	2093.2
15°	2089.7	2102.2	2095.1	2088.0
17.5°	2065.7	2082.7	2074.2	2065.8
20°	2037.7	2057.9	2049.4	2041.0
22.5°	1998.5	2020.1	2011.0	2001.8
25°	1919.7	1942.2	1935.1	1928.0
27.5°	1815.6	1837.4	1833.5	1829.6
30°	1734.0	1751.6	1749.8	1748.0
32.5°	1639.3	1654.8	1653.0	1651.2
35°	1475.3	1485.2	1486.1	1487.0
37.5°	1276.7	1284.1	1282.8	1281.6
40°	1135.7	1141.8	1140.9	1140.0
42.5°	988.5	993.9	980.5	967.2
45°	749.0	738.9	698.4	658.0
47.5°	493.9	463.7	417.6	371.6
50°	335.0	296.2	265.1	234.0
52.5°	234.2	197.6	181.8	166.0
55°	132.3	114.6	108.8	103.0
57.5°	81.0	73.1	67.2	61.2
60°	58.3	51.8	46.9	42.0
62.5°	45.5	40.5	38.4	36.4
65°	33.3	32.9	32.4	32.0
67.5°	28.9	29.1	28.6	28.2
70°	26.0	25.9	25.4	25.0
72.5°	23.3	23.5	23.0	22.6
75°	19.0	19.0	19.0	19.0
77.5°	15.1	15.3	14.8	14.4
80°	12.7	12.9	12.4	12.0
82.5°	9.7	9.8	9.7	9.6
85°	5.7	6.0	6.0	6.0
87.5°	8.2	6.0	4.3	2.6
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: P1428555

CATALOG NUMBER: SQ2W-WBM-K-125U-075D-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



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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	3.10	3.77	4.16	4.82	6.24	3.08	3.75	4.15	4.80	6.22
	3H	3.78	4.38	4.85	5.43	6.87	3.70	4.29	4.77	5.35	6.79
	4H	4.14	4.70	5.22	5.76	7.21	4.00	4.56	5.08	5.62	7.07
	6H	4.40	4.92	5.50	5.99	7.44	4.23	4.75	5.32	5.81	7.26
	8H	4.52	5.01	5.62	6.09	7.54	4.32	4.81	5.42	5.89	7.34
	12H	4.60	5.06	5.70	6.14	7.61	4.37	4.84	5.47	5.91	7.38
4H	2H	3.18	3.75	4.27	4.81	6.25	3.17	3.73	4.26	4.79	6.24
	3H	4.12	4.58	5.21	5.67	7.12	4.03	4.50	5.13	5.59	7.04
	4H	4.62	5.05	5.72	6.13	7.60	4.47	4.90	5.57	5.98	7.46
	6H	5.04	5.41	6.15	6.51	7.98	4.85	5.21	5.95	6.31	7.78
	8H	5.23	5.57	6.34	6.67	8.15	5.01	5.35	6.12	6.44	7.93
	12H	5.36	5.66	6.48	6.77	8.26	5.10	5.40	6.22	6.51	8.00
8H	4H	4.74	5.08	5.84	6.17	7.65	4.60	4.94	5.71	6.03	7.52
	6H	5.31	5.59	6.44	6.72	8.21	5.12	5.40	6.25	6.53	8.01
	8H	5.60	5.85	6.74	6.96	8.47	5.39	5.63	6.52	6.75	8.25
	12H	5.82	6.03	6.95	7.14	8.69	5.55	5.77	6.69	6.88	8.42
12H	4H	4.71	5.02	5.83	6.12	7.61	4.58	4.89	5.71	6.00	7.48
	6H	5.35	5.59	6.48	6.71	8.21	5.17	5.41	6.30	6.53	8.03
	8H	5.67	5.88	6.80	7.00	8.54	5.46	5.68	6.60	6.79	8.33