

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: P1428565

Luminaire Tested: SQ2W-WBM-K-150U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428565
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-150U-050D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

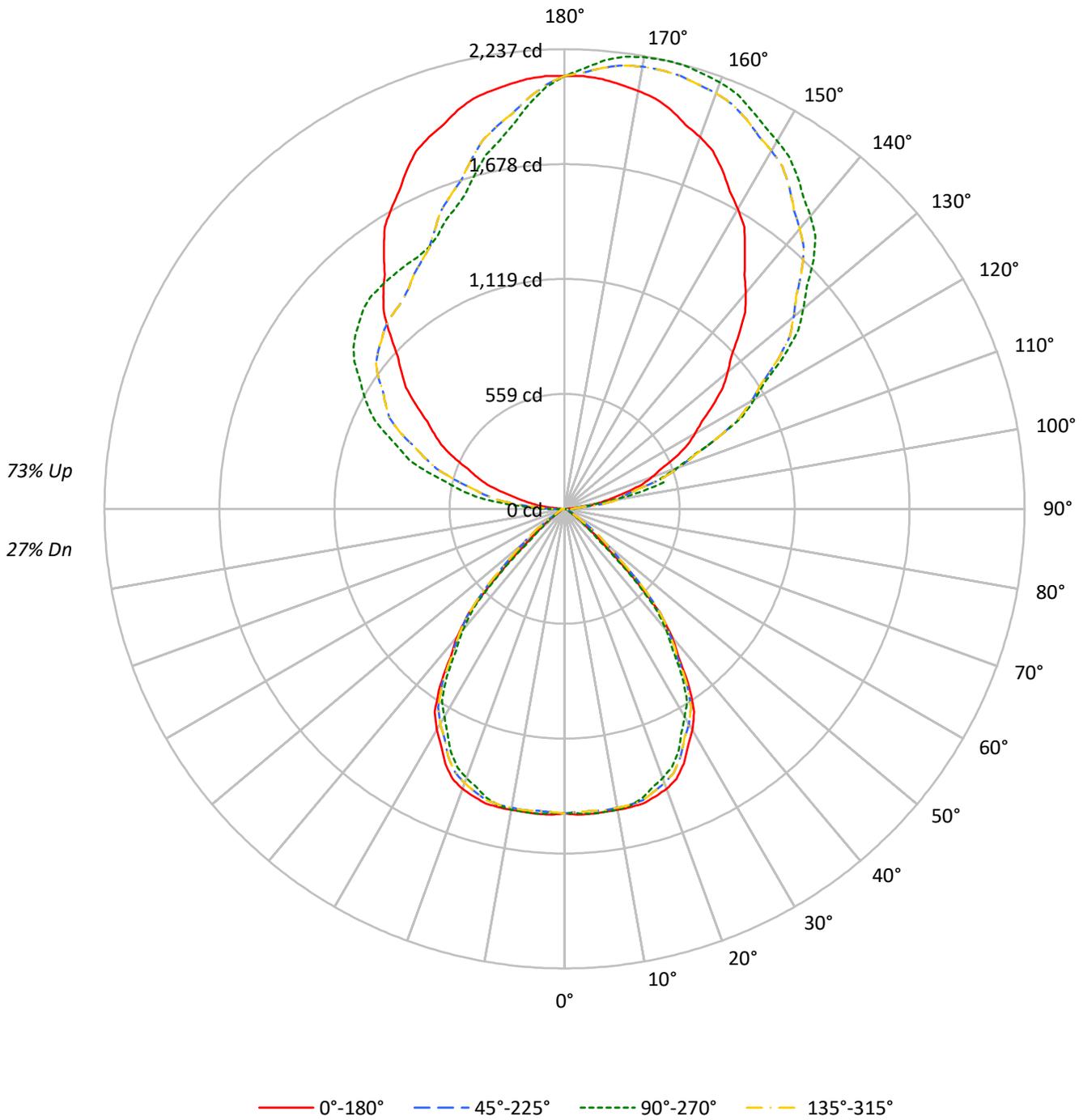
Lumens per Lamp: N/A
Luminaire Lumens: 8478.0 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 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

TEST NUMBER: P1428565

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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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	94	90	86	83	84	81	78	75	63	61	60	47	46	45	33	32	32	25
2	86	80	74	70	77	72	67	63	57	54	51	43	41	39	30	29	28	23
3	79	71	64	59	71	64	59	54	51	47	44	39	37	35	28	26	25	20
4	73	63	56	51	65	57	51	47	46	42	39	35	33	31	25	24	23	19
5	67	57	50	44	60	52	45	41	42	37	34	32	29	27	23	22	20	17
6	62	51	44	39	56	47	40	36	38	33	30	29	26	24	22	20	19	15
7	58	47	39	34	52	42	36	32	34	30	27	27	24	22	20	18	17	14
8	54	42	35	30	48	39	33	28	32	27	24	25	22	20	19	17	15	13
9	50	39	32	27	45	35	29	25	29	25	22	23	20	18	17	15	14	12
10	47	36	29	25	42	33	27	23	27	22	20	21	18	16	16	14	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23936	23936	23936	23936
5°	24154	24142	24154	24142
10°	24398	24387	24398	24387
15°	24805	24366	24805	24366
20°	24924	23970	24924	23970
25°	24410	23296	24410	23296
30°	23161	21783	23161	21783
35°	20830	19653	20830	19653
40°	17076	16178	17076	16178
45°	10677	10028	10677	10028
50°	4177	3820	4177	3820
55°	2060	2041	2060	2041
60°	962	872	962	872
65°	867	814	867	814
70°	840	807	840	807
75°	842	755	842	755
80°	790	725	790	725
85°	797	667	797	667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 12154 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	1.7
10°-20°	414.5	4.9
20°-30°	612.8	7.2
30°-40°	634.1	7.5
40°-50°	381.4	4.5
50°-60°	91.2	1.1
60°-70°	24.9	0.3
70°-80°	13.9	0.2
80°-90°	13.1	0.2
90°-100°	167.6	2.0
100°-110°	488.9	5.8
110°-120°	797.8	9.4
120°-130°	1012.4	11.9
130°-140°	1083.3	12.8
140°-150°	1011.5	11.9
150°-160°	832.4	9.8
160°-170°	558.2	6.6
170°-180°	198.2	2.3
0°-30°	1169.1	13.8
0°-40°	1803.1	21.3
0°-60°	2275.7	26.8
0°-90°	2327.7	27.5
90°-120°	1454.3	17.2
90°-150°	4561.5	53.8
90°-180°	6150.0	72.5
0°-180°	8478.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1482	1482	1482	1482	1482	
5°	1490	1490	1490	1490	1490	142
15°	1484	1458	1484	1458	1484	418
25°	1370	1308	1370	1308	1370	626
35°	1057	997	1057	997	1057	649
45°	468	439	468	439	468	362
55°	73	72	73	72	73	73
65°	23	21	23	21	23	23
75°	14	12	14	12	14	14
85°	4	4	4	4	4	5
90°	6	47	6	92	6	5
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	



TEST NUMBER: P1428565

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5
2.5°	1489.9	1488.2	1486.4	1482.0	1476.7	1476.8	1482.3	1486.2	1484.9	1483.7	1484.9
5°	1490.3	1488.1	1485.9	1480.9	1474.9	1476.3	1485.1	1491.5	1490.6	1489.6	1490.6
7.5°	1488.8	1487.8	1486.9	1483.2	1478.6	1479.6	1486.3	1491.0	1489.5	1488.1	1489.5
10°	1488.2	1488.5	1488.8	1484.0	1477.3	1477.5	1484.4	1489.4	1488.5	1487.5	1488.5
12.5°	1487.6	1490.2	1492.8	1486.2	1476.6	1474.4	1479.9	1483.4	1481.2	1479.0	1481.2
15°	1484.0	1489.0	1494.1	1485.1	1471.6	1464.8	1464.8	1464.0	1460.8	1457.7	1460.8
17.5°	1468.2	1474.2	1480.2	1468.1	1449.9	1438.5	1433.6	1429.0	1425.1	1421.3	1425.1
20°	1450.6	1456.6	1462.6	1448.2	1427.0	1412.5	1404.6	1398.3	1396.7	1395.1	1396.7
22.5°	1422.7	1429.2	1435.7	1420.3	1397.6	1382.0	1373.3	1366.2	1363.6	1361.0	1363.6
25°	1370.2	1375.3	1380.3	1364.3	1341.3	1326.6	1320.3	1314.6	1311.2	1307.7	1311.2
27.5°	1300.3	1303.1	1305.9	1290.4	1268.8	1254.3	1247.1	1240.5	1235.7	1230.9	1235.7
30°	1242.3	1243.6	1244.8	1232.4	1215.3	1202.0	1192.6	1183.6	1176.0	1168.4	1176.0
32.5°	1173.5	1174.8	1176.0	1165.1	1150.0	1138.0	1129.1	1120.8	1114.8	1108.7	1114.8
35°	1056.8	1056.2	1055.6	1048.5	1039.4	1029.6	1019.2	1009.8	1003.4	997.1	1003.4
37.5°	910.8	911.7	912.6	907.4	900.1	892.4	884.2	876.4	870.0	863.6	870.0
40°	810.2	810.8	811.5	807.1	801.1	792.1	780.1	770.7	769.1	767.6	769.1
42.5°	687.4	696.9	706.3	702.5	694.2	685.5	676.3	667.5	660.1	652.7	660.1
45°	467.6	496.4	525.1	532.3	532.3	526.8	515.7	499.9	469.5	439.2	469.5
47.5°	264.1	296.8	329.5	351.0	368.8	361.2	328.4	294.5	257.7	220.9	257.7
50°	166.3	188.4	210.5	238.1	267.5	259.4	213.9	176.7	164.4	152.1	164.4
52.5°	118.0	129.2	140.5	166.4	197.3	193.6	155.2	124.7	118.2	111.7	118.2
55°	73.2	77.3	81.4	94.1	109.5	108.6	91.2	77.5	75.0	72.5	75.0
57.5°	43.5	47.7	52.0	57.6	63.6	63.6	57.6	52.0	48.0	44.1	48.0
60°	29.8	33.3	36.8	41.5	46.5	45.9	39.6	34.0	30.5	27.0	30.5
62.5°	25.9	27.3	28.8	32.4	36.7	36.3	31.2	27.1	25.9	24.7	25.9
65°	22.7	23.1	23.4	23.7	24.0	23.8	23.2	22.6	22.0	21.3	22.0
67.5°	20.0	20.4	20.7	20.6	20.3	20.2	20.1	19.9	19.3	18.8	19.3
70°	17.8	18.1	18.4	18.5	18.5	18.3	18.0	17.7	17.4	17.1	17.4
72.5°	16.1	16.4	16.7	16.6	16.3	16.2	16.1	15.9	15.4	14.8	15.4
75°	13.5	13.5	13.5	13.5	13.5	13.3	13.0	12.7	12.4	12.1	12.4
77.5°	10.2	10.6	10.9	10.7	10.4	10.2	10.2	10.2	9.8	9.5	9.8
80°	8.5	8.8	9.2	9.0	8.7	8.5	8.5	8.4	8.1	7.8	8.1
82.5°	6.8	6.9	6.9	6.9	6.9	6.8	6.8	6.7	6.4	6.1	6.4
85°	4.3	4.3	4.3	4.0	3.7	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	2.4	4.4	6.7	8.3	9.3	9.6	9.6	10.1	10.5	10.5	10.5
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5
2.5°	1486.2	1482.3	1476.8	1476.7	1482.0	1486.4	1488.2	1489.9	1488.2	1486.4	1482.0
5°	1491.5	1485.1	1476.3	1474.9	1480.9	1485.9	1488.1	1490.3	1488.1	1485.9	1480.9
7.5°	1491.0	1486.3	1479.6	1478.6	1483.2	1486.9	1487.8	1488.8	1487.8	1486.9	1483.2
10°	1489.4	1484.4	1477.5	1477.3	1484.0	1488.8	1488.5	1488.2	1488.5	1488.8	1484.0
12.5°	1483.4	1479.9	1474.4	1476.6	1486.2	1492.8	1490.2	1487.6	1490.2	1492.8	1486.2
15°	1464.0	1464.8	1464.8	1471.6	1485.1	1494.1	1489.0	1484.0	1489.0	1494.1	1485.1
17.5°	1429.0	1433.6	1438.5	1449.9	1468.1	1480.2	1474.2	1468.2	1474.2	1480.2	1468.1
20°	1398.3	1404.6	1412.5	1427.0	1448.2	1462.6	1456.6	1450.6	1456.6	1462.6	1448.2
22.5°	1366.2	1373.3	1382.0	1397.6	1420.3	1435.7	1429.2	1422.7	1429.2	1435.7	1420.3
25°	1314.6	1320.3	1326.6	1341.3	1364.3	1380.3	1375.3	1370.2	1375.3	1380.3	1364.3
27.5°	1240.5	1247.1	1254.3	1268.8	1290.4	1305.9	1303.1	1300.3	1303.1	1305.9	1290.4
30°	1183.6	1192.6	1202.0	1215.3	1232.4	1244.8	1243.6	1242.3	1243.6	1244.8	1232.4
32.5°	1120.8	1129.1	1138.0	1150.0	1165.1	1176.0	1174.8	1173.5	1174.8	1176.0	1165.1
35°	1009.8	1019.2	1029.6	1039.4	1048.5	1055.6	1056.2	1056.8	1056.2	1055.6	1048.5
37.5°	876.4	884.2	892.4	900.1	907.4	912.6	911.7	910.8	911.7	912.6	907.4
40°	770.7	780.1	792.1	801.1	807.1	811.5	810.8	810.2	810.8	811.5	807.1
42.5°	667.5	676.3	685.5	694.2	702.5	706.3	696.9	687.4	696.9	706.3	702.5
45°	499.9	515.7	526.8	532.3	532.3	525.1	496.4	467.6	496.4	525.1	532.3
47.5°	294.5	328.4	361.2	368.8	351.0	329.5	296.8	264.1	296.8	329.5	351.0
50°	176.7	213.9	259.4	267.5	238.1	210.5	188.4	166.3	188.4	210.5	238.1
52.5°	124.7	155.2	193.6	197.3	166.4	140.5	129.2	118.0	129.2	140.5	166.4
55°	77.5	91.2	108.6	109.5	94.1	81.4	77.3	73.2	77.3	81.4	94.1
57.5°	52.0	57.6	63.6	63.6	57.6	52.0	47.7	43.5	47.7	52.0	57.6
60°	34.0	39.6	45.9	46.5	41.5	36.8	33.3	29.8	33.3	36.8	41.5
62.5°	27.1	31.2	36.3	36.7	32.4	28.8	27.3	25.9	27.3	28.8	32.4
65°	22.6	23.2	23.8	24.0	23.7	23.4	23.1	22.7	23.1	23.4	23.7
67.5°	19.9	20.1	20.2	20.3	20.6	20.7	20.4	20.0	20.4	20.7	20.6
70°	17.7	18.0	18.3	18.5	18.5	18.4	18.1	17.8	18.1	18.4	18.5
72.5°	15.9	16.1	16.2	16.3	16.6	16.7	16.4	16.1	16.4	16.7	16.6
75°	12.7	13.0	13.3	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
77.5°	10.2	10.2	10.2	10.4	10.7	10.9	10.6	10.2	10.6	10.9	10.7
80°	8.4	8.5	8.5	8.7	9.0	9.2	8.8	8.5	8.8	9.2	9.0
82.5°	6.7	6.8	6.8	6.9	6.9	6.9	6.9	6.8	6.9	6.9	6.9
85°	3.6	3.6	3.6	3.7	4.0	4.3	4.3	4.3	4.3	4.3	4.0
87.5°	10.1	9.6	9.6	9.3	8.3	6.7	4.4	2.4	4.4	6.3	9.2
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2



TEST NUMBER: P1428565

CATALOG NUMBER: SQ2W-WBM-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428565

CATALOG NUMBER: SQ2W-WBM-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5
2.5°	1476.7	1476.8	1482.3	1486.2	1484.9	1483.7	1484.9	1486.2	1482.3	1476.8	1476.7
5°	1474.9	1476.3	1485.1	1491.5	1490.6	1489.6	1490.6	1491.5	1485.1	1476.3	1474.9
7.5°	1478.6	1479.6	1486.3	1491.0	1489.5	1488.1	1489.5	1491.0	1486.3	1479.6	1478.6
10°	1477.3	1477.5	1484.4	1489.4	1488.5	1487.5	1488.5	1489.4	1484.4	1477.5	1477.3
12.5°	1476.6	1474.4	1479.9	1483.4	1481.2	1479.0	1481.2	1483.4	1479.9	1474.4	1476.6
15°	1471.6	1464.8	1464.8	1464.0	1460.8	1457.7	1460.8	1464.0	1464.8	1464.8	1471.6
17.5°	1449.9	1438.5	1433.6	1429.0	1425.1	1421.3	1425.1	1429.0	1433.6	1438.5	1449.9
20°	1427.0	1412.5	1404.6	1398.3	1396.7	1395.1	1396.7	1398.3	1404.6	1412.5	1427.0
22.5°	1397.6	1382.0	1373.3	1366.2	1363.6	1361.0	1363.6	1366.2	1373.3	1382.0	1397.6
25°	1341.3	1326.6	1320.3	1314.6	1311.2	1307.7	1311.2	1314.6	1320.3	1326.6	1341.3
27.5°	1268.8	1254.3	1247.1	1240.5	1235.7	1230.9	1235.7	1240.5	1247.1	1254.3	1268.8
30°	1215.3	1202.0	1192.6	1183.6	1176.0	1168.4	1176.0	1183.6	1192.6	1202.0	1215.3
32.5°	1150.0	1138.0	1129.1	1120.8	1114.8	1108.7	1114.8	1120.8	1129.1	1138.0	1150.0
35°	1039.4	1029.6	1019.2	1009.8	1003.4	997.1	1003.4	1009.8	1019.2	1029.6	1039.4
37.5°	900.1	892.4	884.2	876.4	870.0	863.6	870.0	876.4	884.2	892.4	900.1
40°	801.1	792.1	780.1	770.7	769.1	767.6	769.1	770.7	780.1	792.1	801.1
42.5°	694.2	685.5	676.3	667.5	660.1	652.7	660.1	667.5	676.3	685.5	694.2
45°	532.3	526.8	515.7	499.9	469.5	439.2	469.5	499.9	515.7	526.8	532.3
47.5°	368.8	361.2	328.4	294.5	257.7	220.9	257.7	294.5	328.4	361.2	368.8
50°	267.5	259.4	213.9	176.7	164.4	152.1	164.4	176.7	213.9	259.4	267.5
52.5°	197.3	193.6	155.2	124.7	118.2	111.7	118.2	124.7	155.2	193.6	197.3
55°	109.5	108.6	91.2	77.5	75.0	72.5	75.0	77.5	91.2	108.6	109.5
57.5°	63.6	63.6	57.6	52.0	48.0	44.1	48.0	52.0	57.6	63.6	63.6
60°	46.5	45.9	39.6	34.0	30.5	27.0	30.5	34.0	39.6	45.9	46.5
62.5°	36.7	36.3	31.2	27.1	25.9	24.7	25.9	27.1	31.2	36.3	36.7
65°	24.0	23.8	23.2	22.6	22.0	21.3	22.0	22.6	23.2	23.8	24.0
67.5°	20.3	20.2	20.1	19.9	19.3	18.8	19.3	19.9	20.1	20.2	20.3
70°	18.5	18.3	18.0	17.7	17.4	17.1	17.4	17.7	18.0	18.3	18.5
72.5°	16.3	16.2	16.1	15.9	15.4	14.8	15.4	15.9	16.1	16.2	16.3
75°	13.5	13.3	13.0	12.7	12.4	12.1	12.4	12.7	13.0	13.3	13.5
77.5°	10.4	10.2	10.2	10.2	9.8	9.5	9.8	10.2	10.2	10.2	10.4
80°	8.7	8.5	8.5	8.4	8.1	7.8	8.1	8.4	8.5	8.5	8.7
82.5°	6.9	6.8	6.8	6.7	6.4	6.1	6.4	6.7	6.8	6.8	6.9
85°	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7
87.5°	11.1	13.9	16.9	18.6	20.3	19.4	20.3	18.6	16.9	13.9	11.1
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



TEST NUMBER: P1428565

CATALOG NUMBER: SQ2W-WBM-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428565

CATALOG NUMBER: SQ2W-WBM-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1482.5	1482.5	1482.5	1482.5
2.5°	1482.0	1486.4	1488.2	1489.9
5°	1480.9	1485.9	1488.1	1490.3
7.5°	1483.2	1486.9	1487.8	1488.8
10°	1484.0	1488.8	1488.5	1488.2
12.5°	1486.2	1492.8	1490.2	1487.6
15°	1485.1	1494.1	1489.0	1484.0
17.5°	1468.1	1480.2	1474.2	1468.2
20°	1448.2	1462.6	1456.6	1450.6
22.5°	1420.3	1435.7	1429.2	1422.7
25°	1364.3	1380.3	1375.3	1370.2
27.5°	1290.4	1305.9	1303.1	1300.3
30°	1232.4	1244.8	1243.6	1242.3
32.5°	1165.1	1176.0	1174.8	1173.5
35°	1048.5	1055.6	1056.2	1056.8
37.5°	907.4	912.6	911.7	910.8
40°	807.1	811.5	810.8	810.2
42.5°	702.5	706.3	696.9	687.4
45°	532.3	525.1	496.4	467.6
47.5°	351.0	329.5	296.8	264.1
50°	238.1	210.5	188.4	166.3
52.5°	166.4	140.5	129.2	118.0
55°	94.1	81.4	77.3	73.2
57.5°	57.6	52.0	47.7	43.5
60°	41.5	36.8	33.3	29.8
62.5°	32.4	28.8	27.3	25.9
65°	23.7	23.4	23.1	22.7
67.5°	20.6	20.7	20.4	20.0
70°	18.5	18.4	18.1	17.8
72.5°	16.6	16.7	16.4	16.1
75°	13.5	13.5	13.5	13.5
77.5°	10.7	10.9	10.6	10.2
80°	9.0	9.2	8.8	8.5
82.5°	6.9	6.9	6.9	6.8
85°	4.0	4.3	4.3	4.3
87.5°	9.2	6.3	4.4	2.4
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



TEST NUMBER: P1428565

CATALOG NUMBER: SQ2W-WBM-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4

TEST NUMBER: P1428565
 CATALOG NUMBER: SQ2W-WBM-K-150U-050D-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	0.29	0.91	1.44	2.04	3.60	0.26	0.89	1.41	2.01	3.58
	3H	0.97	1.52	2.13	2.66	4.24	0.88	1.43	2.04	2.57	4.15
	4H	1.33	1.85	2.49	2.99	4.58	1.18	1.71	2.35	2.84	4.43
	6H	1.59	2.08	2.76	3.21	4.81	1.41	1.89	2.58	3.03	4.62
	8H	1.71	2.17	2.88	3.32	4.91	1.50	1.96	2.68	3.11	4.70
	12H	1.78	2.22	2.96	3.36	4.97	1.55	1.99	2.73	3.13	4.74
4H	2H	0.37	0.89	1.54	2.03	3.62	0.35	0.87	1.52	2.00	3.59
	3H	1.30	1.74	2.48	2.90	4.50	1.21	1.64	2.38	2.80	4.40
	4H	1.80	2.21	2.98	3.35	4.97	1.65	2.05	2.83	3.20	4.82
	6H	2.23	2.57	3.41	3.74	5.35	2.02	2.36	3.20	3.53	5.14
	8H	2.42	2.73	3.59	3.90	5.52	2.18	2.50	3.36	3.66	5.29
	12H	2.54	2.83	3.73	4.00	5.63	2.27	2.56	3.47	3.74	5.36
8H	4H	1.92	2.24	3.10	3.40	5.02	1.78	2.10	2.96	3.26	4.88
	6H	2.49	2.75	3.69	3.96	5.58	2.29	2.55	3.49	3.76	5.38
	8H	2.78	3.01	3.99	4.19	5.84	2.56	2.79	3.76	3.97	5.61
	12H	3.00	3.20	4.21	4.38	6.06	2.73	2.93	3.94	4.11	5.79
12H	4H	1.89	2.18	3.08	3.35	4.98	1.76	2.05	2.95	3.22	4.85
	6H	2.53	2.76	3.73	3.94	5.58	2.34	2.57	3.54	3.75	5.39
	8H	2.85	3.05	4.05	4.23	5.90	2.64	2.84	3.84	4.01	5.69