

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: P1428644

Luminaire Tested: SQ2W-WBN-K-125U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428644
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBN-K-125U-125D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

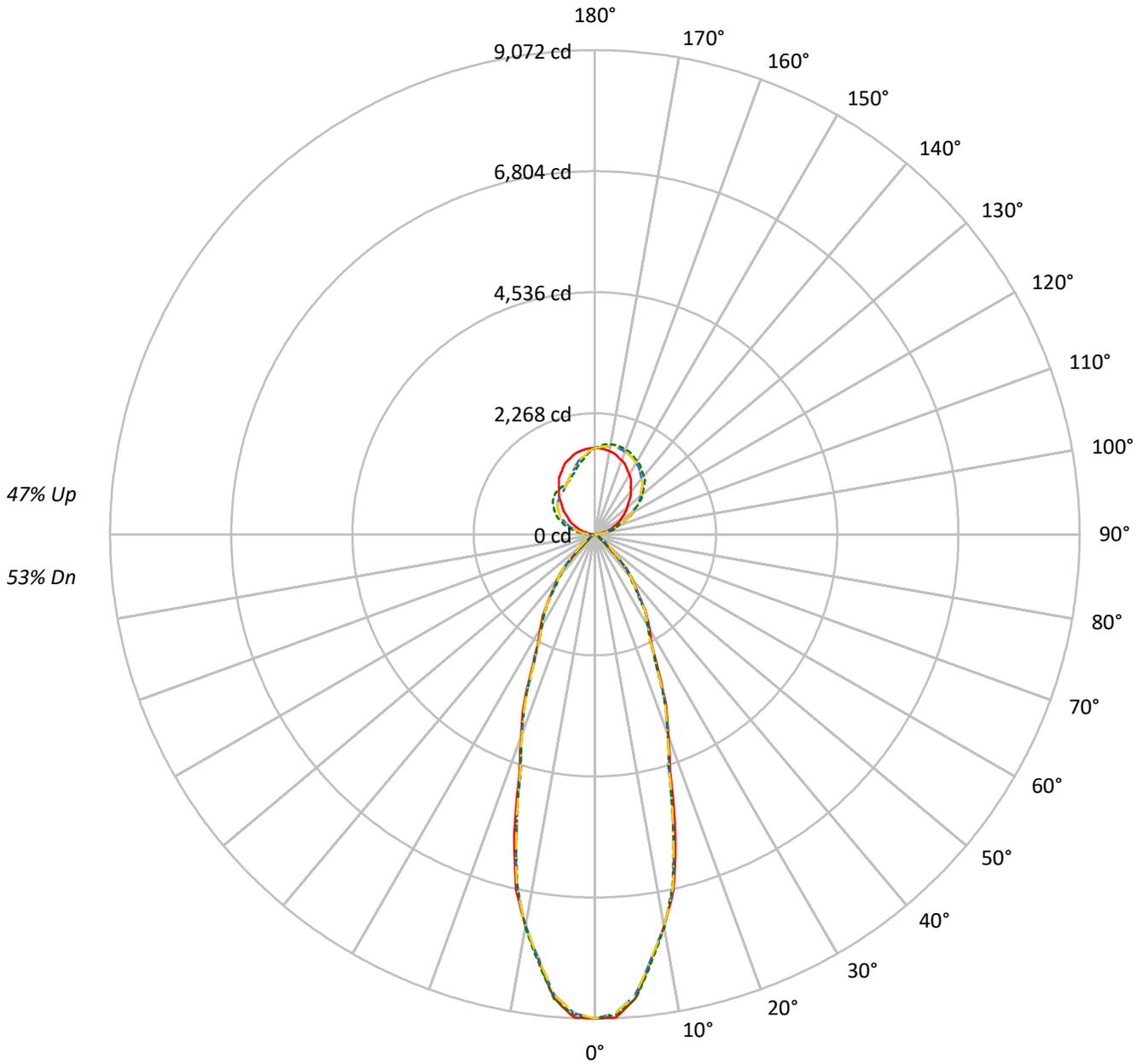
Lumens per Lamp: N/A
Luminaire Lumens: 9989.6 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.8
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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CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53				
1	101	97	94	92	93	91	88	86	78	76	75	66	65	64	55	55	54	49				
2	94	88	83	79	87	82	78	75	72	69	66	62	60	58	52	51	50	46				
3	88	80	75	70	82	75	70	66	66	62	59	57	55	53	49	48	46	42				
4	82	74	67	62	77	69	64	59	61	57	54	53	51	48	46	44	43	40				
5	77	68	61	56	72	64	58	54	57	52	49	50	47	44	44	42	40	37				
6	72	62	56	51	68	59	53	49	53	48	45	47	44	41	41	39	37	35				
7	68	58	51	47	64	55	49	45	49	45	42	44	41	38	39	37	35	33				
8	64	54	47	43	60	51	46	42	46	42	39	42	38	36	37	35	33	31				
9	61	50	44	40	57	48	42	39	44	39	36	39	36	33	35	33	31	29				
10	57	47	41	37	54	45	40	36	41	37	34	37	34	31	34	31	29	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	146480	146480	146480	146480
5°	141432	141588	141432	141588
10°	122248	122538	122248	122538
15°	97279	94589	97279	94589
20°	69105	68691	69105	68691
25°	49717	48399	49717	48399
30°	37988	36876	37988	36876
35°	29819	28550	29819	28550
40°	22592	21201	22592	21201
45°	12643	11282	12643	11282
50°	4446	3921	4446	3921
55°	2719	2581	2719	2581
60°	2080	1921	2080	1921
65°	1906	1784	1906	1784
70°	1822	1671	1822	1671
75°	1709	1609	1709	1609
80°	1497	1497	1497	1497
85°	1482	1186	1482	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 14990 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.5	7.9
10°-20°	1565.2	15.7
20°-30°	1296.2	13.0
30°-40°	932.5	9.3
40°-50°	475.0	4.8
50°-60°	123.5	1.2
60°-70°	51.3	0.5
70°-80°	28.5	0.3
80°-90°	15.1	0.2
90°-100°	128.5	1.3
100°-110°	374.8	3.8
110°-120°	611.6	6.1
120°-130°	776.1	7.8
130°-140°	830.4	8.3
140°-150°	775.4	7.8
150°-160°	638.1	6.4
160°-170°	427.9	4.3
170°-180°	151.9	1.5
0°-30°	3649.0	36.5
0°-40°	4581.5	45.9
0°-60°	5180.0	51.9
0°-90°	5274.9	52.8
90°-120°	1114.9	11.2
90°-150°	3496.8	35.0
90°-180°	4715.0	47.2
0°-180°	9989.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9072	9072	9072	9072	9072	
5°	8726	8736	8726	8736	8726	787
15°	5820	5659	5820	5659	5820	1580
25°	2791	2717	2791	2717	2791	1313
35°	1513	1448	1513	1448	1513	949
45°	554	494	554	494	554	442
55°	97	92	97	92	97	95
65°	50	47	50	47	50	50
75°	27	26	27	26	27	29
85°	8	6	8	6	8	9
90°	5	36	5	70	5	4
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5
2.5°	9058.4	9051.5	9044.6	9014.1	8975.8	8972.7	9004.7	9026.7	9018.7	9010.7	9018.7
5°	8726.5	8720.8	8715.0	8688.9	8656.0	8667.5	8723.3	8761.9	8749.0	8736.1	8749.0
7.5°	8041.2	8046.0	8050.9	8037.5	8018.1	8033.0	8082.4	8116.0	8102.2	8088.5	8102.2
10°	7456.6	7469.5	7482.4	7464.1	7435.5	7457.3	7529.6	7571.6	7523.0	7474.3	7523.0
12.5°	6811.5	6803.3	6795.0	6778.3	6758.8	6754.9	6766.5	6768.4	6741.6	6714.7	6741.6
15°	5819.8	5789.8	5759.7	5713.6	5662.1	5645.3	5663.1	5674.6	5666.7	5658.9	5666.7
17.5°	4687.7	4699.3	4710.9	4679.7	4634.2	4610.6	4608.8	4605.3	4596.5	4587.6	4596.5
20°	4022.0	4025.6	4029.2	4009.7	3982.5	3976.1	3990.4	4000.8	3999.3	3997.9	3999.3
22.5°	3486.4	3487.1	3487.8	3462.1	3427.4	3420.7	3441.9	3454.5	3441.7	3428.8	3441.7
25°	2790.8	2788.7	2786.5	2769.3	2747.2	2730.7	2720.0	2712.5	2714.6	2716.8	2714.6
27.5°	2288.6	2279.8	2270.9	2256.2	2239.7	2234.9	2242.1	2246.1	2240.8	2235.5	2240.8
30°	2037.6	2030.4	2023.3	2008.6	1991.4	1985.0	1989.3	1990.9	1984.5	1978.0	1984.5
32.5°	1812.2	1812.5	1812.8	1799.6	1781.8	1772.0	1770.0	1767.3	1762.6	1757.8	1762.6
35°	1512.9	1517.2	1521.5	1510.7	1495.0	1481.8	1471.0	1461.4	1454.9	1448.5	1454.9
37.5°	1245.7	1249.7	1253.7	1244.8	1231.4	1216.9	1201.2	1188.0	1182.6	1177.2	1182.6
40°	1071.9	1074.8	1077.6	1071.4	1062.1	1048.1	1029.5	1014.5	1010.2	1005.9	1010.2
42.5°	882.6	894.6	906.7	902.7	893.4	880.0	862.6	847.1	837.7	828.2	837.7
45°	553.7	591.6	629.5	646.5	656.5	651.8	632.5	604.3	549.2	494.1	549.2
47.5°	280.0	332.5	385.1	422.8	455.5	445.1	391.4	337.7	283.6	229.5	283.6
50°	177.0	213.5	250.0	296.1	345.5	334.8	264.0	204.8	180.4	156.1	180.4
52.5°	135.8	154.6	173.3	217.2	269.4	264.4	202.1	152.1	138.7	125.2	138.7
55°	96.6	103.7	110.9	135.2	165.2	163.4	129.8	103.2	97.5	91.7	97.5
57.5°	74.7	78.7	82.7	91.7	102.5	101.5	88.7	78.3	74.7	71.1	74.7
60°	64.4	67.2	70.1	74.6	79.6	78.9	72.4	66.7	63.1	59.5	63.1
62.5°	57.9	59.7	61.4	63.4	65.6	64.6	60.4	57.0	55.7	54.4	55.7
65°	49.9	50.6	51.3	51.5	51.5	50.8	49.4	48.1	47.4	46.7	47.4
67.5°	42.5	43.2	43.9	44.0	43.8	43.4	42.7	42.0	41.3	40.6	41.3
70°	38.6	39.3	40.1	39.7	39.0	38.3	37.6	36.8	36.1	35.4	36.1
72.5°	33.5	34.2	34.9	34.5	33.8	33.4	33.3	33.0	32.3	31.5	32.3
75°	27.4	27.4	27.4	27.4	27.4	27.0	26.3	25.8	25.8	25.8	25.8
77.5°	21.2	21.4	21.5	21.0	20.3	20.0	20.0	19.8	19.2	18.7	19.2
80°	16.1	16.8	17.5	17.2	16.5	16.1	16.1	16.1	16.1	16.1	16.1
82.5°	13.5	13.7	13.8	13.3	12.6	12.2	12.2	12.2	12.2	12.2	12.2
85°	8.0	8.0	8.0	7.5	6.8	6.8	7.5	7.9	7.2	6.4	7.2
87.5°	3.6	4.9	6.5	7.8	8.8	9.1	9.1	9.4	9.8	9.8	9.8
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5
2.5°	9026.7	9004.7	8972.7	8975.8	9014.1	9044.6	9051.5	9058.4	9051.5	9044.6	9014.1
5°	8761.9	8723.3	8667.5	8656.0	8688.9	8715.0	8720.8	8726.5	8720.8	8715.0	8688.9
7.5°	8116.0	8082.4	8033.0	8018.1	8037.5	8050.9	8046.0	8041.2	8046.0	8050.9	8037.5
10°	7571.6	7529.6	7457.3	7435.5	7464.1	7482.4	7469.5	7456.6	7469.5	7482.4	7464.1
12.5°	6768.4	6766.5	6754.9	6758.8	6778.3	6795.0	6803.3	6811.5	6803.3	6795.0	6778.3
15°	5674.6	5663.1	5645.3	5662.1	5713.6	5759.7	5789.8	5819.8	5789.8	5759.7	5713.6
17.5°	4605.3	4608.8	4610.6	4634.2	4679.7	4710.9	4699.3	4687.7	4699.3	4710.9	4679.7
20°	4000.8	3990.4	3976.1	3982.5	4009.7	4029.2	4025.6	4022.0	4025.6	4029.2	4009.7
22.5°	3454.5	3441.9	3420.7	3427.4	3462.1	3487.8	3487.1	3486.4	3487.1	3487.8	3462.1
25°	2712.5	2720.0	2730.7	2747.2	2769.3	2786.5	2788.7	2790.8	2788.7	2786.5	2769.3
27.5°	2246.1	2242.1	2234.9	2239.7	2256.2	2270.9	2279.8	2288.6	2279.8	2270.9	2256.2
30°	1990.9	1989.3	1985.0	1991.4	2008.6	2023.3	2030.4	2037.6	2030.4	2023.3	2008.6
32.5°	1767.3	1770.0	1772.0	1781.8	1799.6	1812.8	1812.5	1812.2	1812.5	1812.8	1799.6
35°	1461.4	1471.0	1481.8	1495.0	1510.7	1521.5	1517.2	1512.9	1517.2	1521.5	1510.7
37.5°	1188.0	1201.2	1216.9	1231.4	1244.8	1253.7	1249.7	1245.7	1249.7	1253.7	1244.8
40°	1014.5	1029.5	1048.1	1062.1	1071.4	1077.6	1074.8	1071.9	1074.8	1077.6	1071.4
42.5°	847.1	862.6	880.0	893.4	902.7	906.7	894.6	882.6	894.6	906.7	902.7
45°	604.3	632.5	651.8	656.5	646.5	629.5	591.6	553.7	591.6	629.5	646.5
47.5°	337.7	391.4	445.1	455.5	422.8	385.1	332.5	280.0	332.5	385.1	422.8
50°	204.8	264.0	334.8	345.5	296.1	250.0	213.5	177.0	213.5	250.0	296.1
52.5°	152.1	202.1	264.4	269.4	217.2	173.3	154.6	135.8	154.6	173.3	217.2
55°	103.2	129.8	163.4	165.2	135.2	110.9	103.7	96.6	103.7	110.9	135.2
57.5°	78.3	88.7	101.5	102.5	91.7	82.7	78.7	74.7	78.7	82.7	91.7
60°	66.7	72.4	78.9	79.6	74.6	70.1	67.2	64.4	67.2	70.1	74.6
62.5°	57.0	60.4	64.6	65.6	63.4	61.4	59.7	57.9	59.7	61.4	63.4
65°	48.1	49.4	50.8	51.5	51.5	51.3	50.6	49.9	50.6	51.3	51.5
67.5°	42.0	42.7	43.4	43.8	44.0	43.9	43.2	42.5	43.2	43.9	44.0
70°	36.8	37.6	38.3	39.0	39.7	40.1	39.3	38.6	39.3	40.1	39.7
72.5°	33.0	33.3	33.4	33.8	34.5	34.9	34.2	33.5	34.2	34.9	34.5
75°	25.8	26.3	27.0	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
77.5°	19.8	20.0	20.0	20.3	21.0	21.5	21.4	21.2	21.4	21.5	21.0
80°	16.1	16.1	16.1	16.5	17.2	17.5	16.8	16.1	16.8	17.5	17.2
82.5°	12.2	12.2	12.2	12.6	13.3	13.8	13.7	13.5	13.7	13.8	13.3
85°	7.9	7.5	6.8	6.8	7.5	8.0	8.0	8.0	8.0	8.0	7.5
87.5°	9.4	9.1	9.1	8.8	7.8	6.5	4.9	3.6	4.9	6.2	8.4
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1428644

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428644

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5
2.5°	8975.8	8972.7	9004.7	9026.7	9018.7	9010.7	9018.7	9026.7	9004.7	8972.7	8975.8
5°	8656.0	8667.5	8723.3	8761.9	8749.0	8736.1	8749.0	8761.9	8723.3	8667.5	8656.0
7.5°	8018.1	8033.0	8082.4	8116.0	8102.2	8088.5	8102.2	8116.0	8082.4	8033.0	8018.1
10°	7435.5	7457.3	7529.6	7571.6	7523.0	7474.3	7523.0	7571.6	7529.6	7457.3	7435.5
12.5°	6758.8	6754.9	6766.5	6768.4	6741.6	6714.7	6741.6	6768.4	6766.5	6754.9	6758.8
15°	5662.1	5645.3	5663.1	5674.6	5666.7	5658.9	5666.7	5674.6	5663.1	5645.3	5662.1
17.5°	4634.2	4610.6	4608.8	4605.3	4596.5	4587.6	4596.5	4605.3	4608.8	4610.6	4634.2
20°	3982.5	3976.1	3990.4	4000.8	3999.3	3997.9	3999.3	4000.8	3990.4	3976.1	3982.5
22.5°	3427.4	3420.7	3441.9	3454.5	3441.7	3428.8	3441.7	3454.5	3441.9	3420.7	3427.4
25°	2747.2	2730.7	2720.0	2712.5	2714.6	2716.8	2714.6	2712.5	2720.0	2730.7	2747.2
27.5°	2239.7	2234.9	2242.1	2246.1	2240.8	2235.5	2240.8	2246.1	2242.1	2234.9	2239.7
30°	1991.4	1985.0	1989.3	1990.9	1984.5	1978.0	1984.5	1990.9	1989.3	1985.0	1991.4
32.5°	1781.8	1772.0	1770.0	1767.3	1762.6	1757.8	1762.6	1767.3	1770.0	1772.0	1781.8
35°	1495.0	1481.8	1471.0	1461.4	1454.9	1448.5	1454.9	1461.4	1471.0	1481.8	1495.0
37.5°	1231.4	1216.9	1201.2	1188.0	1182.6	1177.2	1182.6	1188.0	1201.2	1216.9	1231.4
40°	1062.1	1048.1	1029.5	1014.5	1010.2	1005.9	1010.2	1014.5	1029.5	1048.1	1062.1
42.5°	893.4	880.0	862.6	847.1	837.7	828.2	837.7	847.1	862.6	880.0	893.4
45°	656.5	651.8	632.5	604.3	549.2	494.1	549.2	604.3	632.5	651.8	656.5
47.5°	455.5	445.1	391.4	337.7	283.6	229.5	283.6	337.7	391.4	445.1	455.5
50°	345.5	334.8	264.0	204.8	180.4	156.1	180.4	204.8	264.0	334.8	345.5
52.5°	269.4	264.4	202.1	152.1	138.7	125.2	138.7	152.1	202.1	264.4	269.4
55°	165.2	163.4	129.8	103.2	97.5	91.7	97.5	103.2	129.8	163.4	165.2
57.5°	102.5	101.5	88.7	78.3	74.7	71.1	74.7	78.3	88.7	101.5	102.5
60°	79.6	78.9	72.4	66.7	63.1	59.5	63.1	66.7	72.4	78.9	79.6
62.5°	65.6	64.6	60.4	57.0	55.7	54.4	55.7	57.0	60.4	64.6	65.6
65°	51.5	50.8	49.4	48.1	47.4	46.7	47.4	48.1	49.4	50.8	51.5
67.5°	43.8	43.4	42.7	42.0	41.3	40.6	41.3	42.0	42.7	43.4	43.8
70°	39.0	38.3	37.6	36.8	36.1	35.4	36.1	36.8	37.6	38.3	39.0
72.5°	33.8	33.4	33.3	33.0	32.3	31.5	32.3	33.0	33.3	33.4	33.8
75°	27.4	27.0	26.3	25.8	25.8	25.8	25.8	25.8	26.3	27.0	27.4
77.5°	20.3	20.0	20.0	19.8	19.2	18.7	19.2	19.8	20.0	20.0	20.3
80°	16.5	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.5
82.5°	12.6	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.6
85°	6.8	6.8	7.5	7.9	7.2	6.4	7.2	7.9	7.5	6.8	6.8
87.5°	10.1	12.4	14.6	15.9	17.3	16.6	17.3	15.9	14.6	12.4	10.1
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1428644

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428644

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	9072.5	9072.5	9072.5	9072.5
2.5°	9014.1	9044.6	9051.5	9058.4
5°	8688.9	8715.0	8720.8	8726.5
7.5°	8037.5	8050.9	8046.0	8041.2
10°	7464.1	7482.4	7469.5	7456.6
12.5°	6778.3	6795.0	6803.3	6811.5
15°	5713.6	5759.7	5789.8	5819.8
17.5°	4679.7	4710.9	4699.3	4687.7
20°	4009.7	4029.2	4025.6	4022.0
22.5°	3462.1	3487.8	3487.1	3486.4
25°	2769.3	2786.5	2788.7	2790.8
27.5°	2256.2	2270.9	2279.8	2288.6
30°	2008.6	2023.3	2030.4	2037.6
32.5°	1799.6	1812.8	1812.5	1812.2
35°	1510.7	1521.5	1517.2	1512.9
37.5°	1244.8	1253.7	1249.7	1245.7
40°	1071.4	1077.6	1074.8	1071.9
42.5°	902.7	906.7	894.6	882.6
45°	646.5	629.5	591.6	553.7
47.5°	422.8	385.1	332.5	280.0
50°	296.1	250.0	213.5	177.0
52.5°	217.2	173.3	154.6	135.8
55°	135.2	110.9	103.7	96.6
57.5°	91.7	82.7	78.7	74.7
60°	74.6	70.1	67.2	64.4
62.5°	63.4	61.4	59.7	57.9
65°	51.5	51.3	50.6	49.9
67.5°	44.0	43.9	43.2	42.5
70°	39.7	40.1	39.3	38.6
72.5°	34.5	34.9	34.2	33.5
75°	27.4	27.4	27.4	27.4
77.5°	21.0	21.5	21.4	21.2
80°	17.2	17.5	16.8	16.1
82.5°	13.3	13.8	13.7	13.5
85°	7.5	8.0	8.0	8.0
87.5°	8.4	6.2	4.9	3.6
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4



TEST NUMBER: P1428644

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428644
 CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L930-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	3.76	4.46	4.74	5.42	6.66	3.39	4.08	4.36	5.04	6.29
	3H	4.99	5.60	5.97	6.57	7.84	4.59	5.21	5.58	6.18	7.45
	4H	5.50	6.09	6.50	7.06	8.34	5.11	5.69	6.11	6.66	7.94
	6H	5.86	6.39	6.86	7.37	8.65	5.44	5.97	6.44	6.95	8.24
	8H	6.00	6.51	7.01	7.50	8.78	5.58	6.08	6.59	7.07	8.36
	12H	6.09	6.57	7.11	7.56	8.86	5.65	6.13	6.66	7.11	8.42
4H	2H	4.08	4.66	5.08	5.63	6.91	3.77	4.35	4.77	5.32	6.60
	3H	5.57	6.05	6.58	7.06	8.35	5.23	5.71	6.24	6.72	8.01
	4H	6.22	6.66	7.24	7.65	8.97	5.87	6.31	6.88	7.30	8.62
	6H	6.71	7.08	7.73	8.10	9.41	6.33	6.70	7.35	7.72	9.03
	8H	6.92	7.27	7.94	8.28	9.60	6.52	6.87	7.54	7.88	9.20
	12H	7.05	7.37	8.09	8.39	9.72	6.63	6.94	7.67	7.96	9.29
8H	4H	6.38	6.73	7.41	7.74	9.06	6.07	6.42	7.09	7.43	8.75
	6H	7.02	7.30	8.06	8.35	9.67	6.66	6.95	7.71	8.00	9.32
	8H	7.33	7.58	8.39	8.62	9.96	6.95	7.20	8.01	8.24	9.58
	12H	7.56	7.78	8.61	8.81	10.19	7.15	7.37	8.21	8.40	9.79
12H	4H	6.36	6.67	7.40	7.70	9.03	6.06	6.37	7.10	7.39	8.72
	6H	7.05	7.30	8.10	8.34	9.68	6.71	6.96	7.77	8.00	9.34
	8H	7.40	7.62	8.45	8.65	10.04	7.03	7.25	8.09	8.28	9.67