

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: P1427627

Luminaire Tested: SQ2W-BBN-K-125U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427627  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-BBN-K-125U-050D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

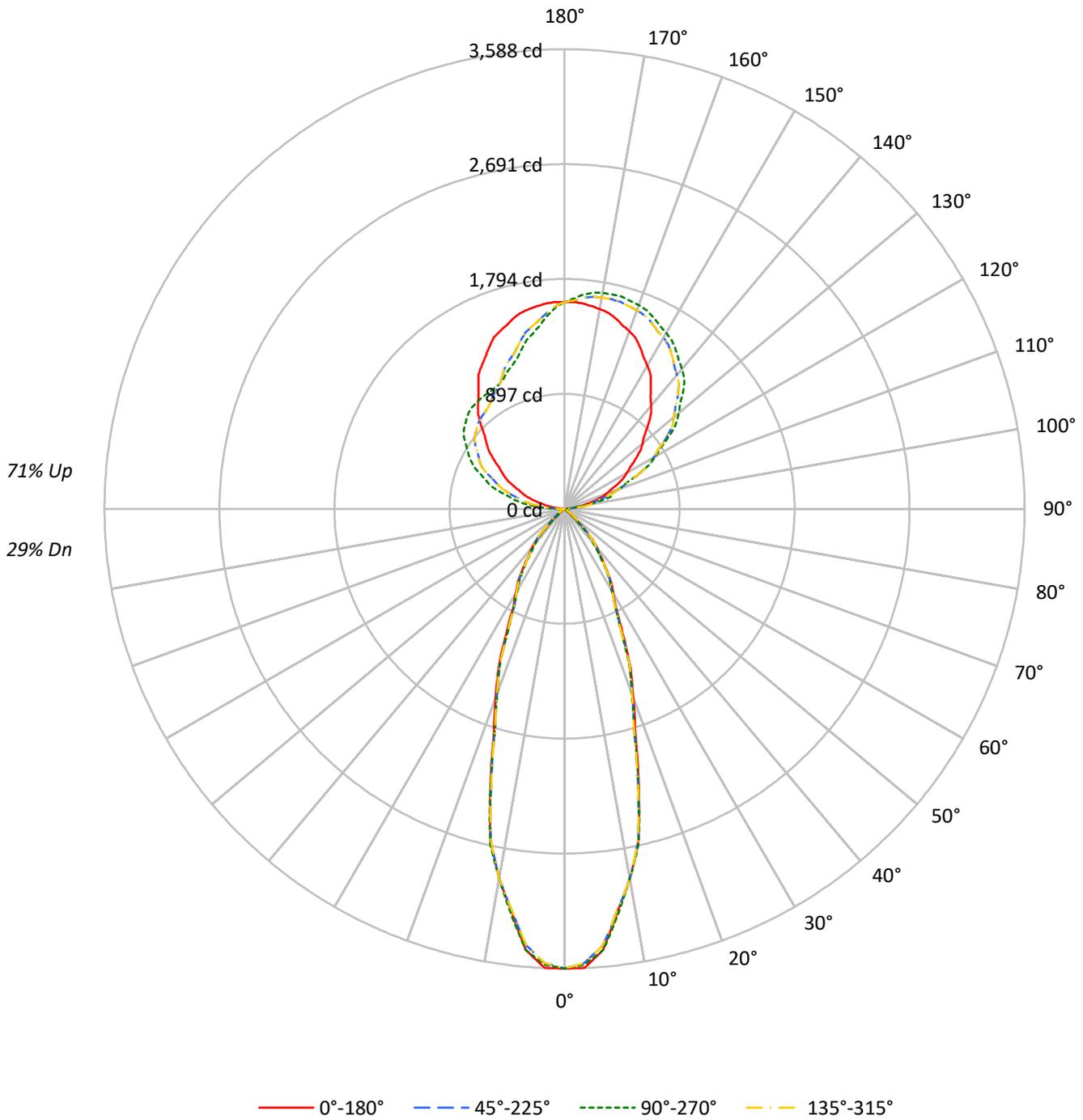
Lumens per Lamp: N/A  
Luminaire Lumens: 6661.1 lumens  
Efficiency: N/A  
Efficacy: 107.3 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 62.1  
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: P1427627

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-L930-UNV-STD-W-WM-4

### 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	92	92	92	92	72	72	72	54	54	54	37	37	37	29
1	95	91	88	85	85	82	79	77	65	63	62	49	48	47	35	34	34	27
2	87	81	76	72	78	73	69	66	59	56	54	45	44	42	33	32	31	26
3	81	73	67	62	73	66	61	57	54	50	47	42	40	38	31	30	29	24
4	75	66	59	54	68	60	54	50	49	45	42	39	36	34	29	28	27	23
5	70	60	53	48	63	55	49	45	45	41	38	36	33	31	27	26	25	21
6	65	55	48	43	59	50	44	40	41	37	34	33	31	28	26	24	23	20
7	61	50	43	39	55	46	40	36	38	34	31	31	28	26	24	23	21	19
8	57	46	39	35	51	43	37	33	36	31	28	29	26	24	23	21	20	18
9	53	43	36	32	48	39	34	30	33	29	26	27	25	23	22	20	19	17
10	50	40	33	29	46	37	31	28	31	27	24	26	23	21	21	19	18	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	57938	57938	57938	57938
5°	56001	56032	56001	56032
10°	48061	48061	48061	48061
15°	37303	37218	37303	37218
20°	26922	26345	26922	26345
25°	19090	18363	19090	18363
30°	14202	13708	14202	13708
35°	11051	10541	11051	10541
40°	8178	7470	8178	7470
45°	4178	3366	4178	3366
50°	909	666	909	666
55°	256	200	256	200
60°	42	19	42	19
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 260°  
 Vertical Angle: 87.5°  
 Luminance: 5441 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.3	4.7
10°-20°	611.8	9.2
20°-30°	493.5	7.4
30°-40°	342.8	5.1
40°-50°	158.4	2.4
50°-60°	22.2	0.3
60°-70°	0.8	0.0
70°-80°	0.0	0.0
80°-90°	8.6	0.1
90°-100°	128.5	1.9
100°-110°	374.8	5.6
110°-120°	611.6	9.2
120°-130°	776.1	11.7
130°-140°	830.4	12.5
140°-150°	775.4	11.6
150°-160°	638.1	9.6
160°-170°	427.9	6.4
170°-180°	151.9	2.3
0°-30°	1415.6	21.3
0°-40°	1758.4	26.4
0°-60°	1939.0	29.1
0°-90°	1948.3	29.2
90°-120°	1114.9	16.7
90°-150°	3496.8	52.5
90°-180°	4715.0	70.8
0°-180°	6661.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3588	3588	3588	3588	3588	
5°	3455	3457	3455	3457	3455	311
15°	2232	2227	2232	2227	2232	614
25°	1072	1031	1072	1031	1072	502
35°	561	535	561	535	561	351
45°	183	147	183	147	183	148
55°	9	7	9	7	9	11
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
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°	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5
2.5°	3586.4	3580.4	3574.5	3562.6	3548.8	3548.3	3560.9	3569.4	3565.5	3561.6	3565.5
5°	3455.3	3446.9	3438.6	3428.5	3417.9	3421.9	3440.6	3454.9	3456.1	3457.2	3456.1
7.5°	3165.8	3168.5	3171.2	3164.3	3154.2	3159.5	3180.2	3195.1	3192.9	3190.6	3192.9
10°	2931.5	2933.5	2935.5	2935.1	2934.0	2936.8	2943.7	2947.0	2939.2	2931.5	2939.2
12.5°	2659.8	2667.8	2675.8	2666.6	2651.7	2649.4	2659.7	2668.3	2671.6	2674.8	2671.6
15°	2231.7	2244.7	2257.6	2239.3	2210.5	2203.1	2216.9	2227.1	2226.8	2226.6	2226.8
17.5°	1830.3	1828.9	1827.6	1816.3	1801.6	1795.6	1798.2	1799.9	1799.1	1798.2	1799.1
20°	1566.9	1564.9	1562.9	1553.1	1540.8	1533.6	1531.6	1530.4	1531.9	1533.3	1531.9
22.5°	1341.4	1338.0	1334.6	1330.5	1326.2	1321.5	1316.5	1313.3	1315.2	1317.1	1315.2
25°	1071.6	1060.6	1049.7	1041.0	1032.9	1032.3	1039.2	1042.9	1036.9	1030.8	1036.9
27.5°	860.1	859.9	859.8	854.6	847.7	844.7	845.4	846.3	847.4	848.6	847.4
30°	761.8	759.8	757.8	752.3	745.7	742.5	742.8	742.2	738.7	735.3	738.7
32.5°	674.4	675.8	677.2	671.4	663.2	658.3	656.8	654.8	651.3	647.9	651.3
35°	560.7	560.7	560.7	555.9	549.6	544.3	540.0	536.5	535.7	534.8	535.7
37.5°	455.3	454.8	454.2	450.7	446.3	441.0	434.9	429.7	427.5	425.3	427.5
40°	388.0	386.6	385.1	382.6	379.8	374.6	367.1	360.7	357.5	354.4	357.5
42.5°	311.4	315.3	319.1	318.0	315.1	309.9	302.4	295.6	290.9	286.1	290.9
45°	183.0	199.1	215.2	221.0	223.3	220.1	211.5	198.6	173.0	147.4	173.0
47.5°	78.6	96.3	114.0	128.9	142.8	138.4	115.7	93.4	72.1	50.8	72.1
50°	36.2	50.0	63.8	82.3	102.5	98.3	69.8	46.1	36.3	26.5	36.3
52.5°	21.2	28.1	35.0	52.3	73.1	71.3	46.7	27.0	21.9	16.7	21.9
55°	9.1	11.4	13.7	23.1	34.8	34.3	21.3	11.1	9.1	7.1	9.1
57.5°	3.4	4.6	5.9	9.3	13.4	13.1	8.5	4.8	3.8	2.7	3.8
60°	1.3	1.9	2.4	4.1	6.1	6.0	3.7	1.8	1.2	0.6	1.2
62.5°	0.3	0.6	0.9	1.9	2.9	2.9	1.8	0.8	0.5	0.1	0.5
65°	0.0	0.0	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	2.3	3.9	5.2	6.2	6.5	6.5	6.9	7.2	7.2	7.2
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



TEST NUMBER: P1427627

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-L930-UNV-STD-W-WM-4

**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°	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5
2.5°	3569.4	3560.9	3548.3	3548.8	3562.6	3574.5	3580.4	3586.4	3580.4	3574.5	3562.6
5°	3454.9	3440.6	3421.9	3417.9	3428.5	3438.6	3446.9	3455.3	3446.9	3438.6	3428.5
7.5°	3195.1	3180.2	3159.5	3154.2	3164.3	3171.2	3168.5	3165.8	3168.5	3171.2	3164.3
10°	2947.0	2943.7	2936.8	2934.0	2935.1	2935.5	2933.5	2931.5	2933.5	2935.5	2935.1
12.5°	2668.3	2659.7	2649.4	2651.7	2666.6	2675.8	2667.8	2659.8	2667.8	2675.8	2666.6
15°	2227.1	2216.9	2203.1	2210.5	2239.3	2257.6	2244.7	2231.7	2244.7	2257.6	2239.3
17.5°	1799.9	1798.2	1795.6	1801.6	1816.3	1827.6	1828.9	1830.3	1828.9	1827.6	1816.3
20°	1530.4	1531.6	1533.6	1540.8	1553.1	1562.9	1564.9	1566.9	1564.9	1562.9	1553.1
22.5°	1313.3	1316.5	1321.5	1326.2	1330.5	1334.6	1338.0	1341.4	1338.0	1334.6	1330.5
25°	1042.9	1039.2	1032.3	1032.9	1041.0	1049.7	1060.6	1071.6	1060.6	1049.7	1041.0
27.5°	846.3	845.4	844.7	847.7	854.6	859.8	859.9	860.1	859.9	859.8	854.6
30°	742.2	742.8	742.5	745.7	752.3	757.8	759.8	761.8	759.8	757.8	752.3
32.5°	654.8	656.8	658.3	663.2	671.4	677.2	675.8	674.4	675.8	677.2	671.4
35°	536.5	540.0	544.3	549.6	555.9	560.7	560.7	560.7	560.7	560.7	555.9
37.5°	429.7	434.9	441.0	446.3	450.7	454.2	454.8	455.3	454.8	454.2	450.7
40°	360.7	367.1	374.6	379.8	382.6	385.1	386.6	388.0	386.6	385.1	382.6
42.5°	295.6	302.4	309.9	315.1	318.0	319.1	315.3	311.4	315.3	319.1	318.0
45°	198.6	211.5	220.1	223.3	221.0	215.2	199.1	183.0	199.1	215.2	221.0
47.5°	93.4	115.7	138.4	142.8	128.9	114.0	96.3	78.6	96.3	114.0	128.9
50°	46.1	69.8	98.3	102.5	82.3	63.8	50.0	36.2	50.0	63.8	82.3
52.5°	27.0	46.7	71.3	73.1	52.3	35.0	28.1	21.2	28.1	35.0	52.3
55°	11.1	21.3	34.3	34.8	23.1	13.7	11.4	9.1	11.4	13.7	23.1
57.5°	4.8	8.5	13.1	13.4	9.3	5.9	4.6	3.4	4.6	5.9	9.3
60°	1.8	3.7	6.0	6.1	4.1	2.4	1.9	1.3	1.9	2.4	4.1
62.5°	0.8	1.8	2.9	2.9	1.9	0.9	0.6	0.3	0.6	0.9	1.9
65°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.9	6.5	6.5	6.2	5.2	3.9	2.3	1.0	2.3	3.6	5.9
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: P1427627

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-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: P1427627

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5
2.5°	3548.8	3548.3	3560.9	3569.4	3565.5	3561.6	3565.5	3569.4	3560.9	3548.3	3548.8
5°	3417.9	3421.9	3440.6	3454.9	3456.1	3457.2	3456.1	3454.9	3440.6	3421.9	3417.9
7.5°	3154.2	3159.5	3180.2	3195.1	3192.9	3190.6	3192.9	3195.1	3180.2	3159.5	3154.2
10°	2934.0	2936.8	2943.7	2947.0	2939.2	2931.5	2939.2	2947.0	2943.7	2936.8	2934.0
12.5°	2651.7	2649.4	2659.7	2668.3	2671.6	2674.8	2671.6	2668.3	2659.7	2649.4	2651.7
15°	2210.5	2203.1	2216.9	2227.1	2226.8	2226.6	2226.8	2227.1	2216.9	2203.1	2210.5
17.5°	1801.6	1795.6	1798.2	1799.9	1799.1	1798.2	1799.1	1799.9	1798.2	1795.6	1801.6
20°	1540.8	1533.6	1531.6	1530.4	1531.9	1533.3	1531.9	1530.4	1531.6	1533.6	1540.8
22.5°	1326.2	1321.5	1316.5	1313.3	1315.2	1317.1	1315.2	1313.3	1316.5	1321.5	1326.2
25°	1032.9	1032.3	1039.2	1042.9	1036.9	1030.8	1036.9	1042.9	1039.2	1032.3	1032.9
27.5°	847.7	844.7	845.4	846.3	847.4	848.6	847.4	846.3	845.4	844.7	847.7
30°	745.7	742.5	742.8	742.2	738.7	735.3	738.7	742.2	742.8	742.5	745.7
32.5°	663.2	658.3	656.8	654.8	651.3	647.9	651.3	654.8	656.8	658.3	663.2
35°	549.6	544.3	540.0	536.5	535.7	534.8	535.7	536.5	540.0	544.3	549.6
37.5°	446.3	441.0	434.9	429.7	427.5	425.3	427.5	429.7	434.9	441.0	446.3
40°	379.8	374.6	367.1	360.7	357.5	354.4	357.5	360.7	367.1	374.6	379.8
42.5°	315.1	309.9	302.4	295.6	290.9	286.1	290.9	295.6	302.4	309.9	315.1
45°	223.3	220.1	211.5	198.6	173.0	147.4	173.0	198.6	211.5	220.1	223.3
47.5°	142.8	138.4	115.7	93.4	72.1	50.8	72.1	93.4	115.7	138.4	142.8
50°	102.5	98.3	69.8	46.1	36.3	26.5	36.3	46.1	69.8	98.3	102.5
52.5°	73.1	71.3	46.7	27.0	21.9	16.7	21.9	27.0	46.7	71.3	73.1
55°	34.8	34.3	21.3	11.1	9.1	7.1	9.1	11.1	21.3	34.3	34.8
57.5°	13.4	13.1	8.5	4.8	3.8	2.7	3.8	4.8	8.5	13.1	13.4
60°	6.1	6.0	3.7	1.8	1.2	0.6	1.2	1.8	3.7	6.0	6.1
62.5°	2.9	2.9	1.8	0.8	0.5	0.1	0.5	0.8	1.8	2.9	2.9
65°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.5	9.8	12.1	13.4	14.7	14.0	14.7	13.4	12.1	9.8	7.5
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: P1427627

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-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: P1427627

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	3588.5	3588.5	3588.5	3588.5
2.5°	3562.6	3574.5	3580.4	3586.4
5°	3428.5	3438.6	3446.9	3455.3
7.5°	3164.3	3171.2	3168.5	3165.8
10°	2935.1	2935.5	2933.5	2931.5
12.5°	2666.6	2675.8	2667.8	2659.8
15°	2239.3	2257.6	2244.7	2231.7
17.5°	1816.3	1827.6	1828.9	1830.3
20°	1553.1	1562.9	1564.9	1566.9
22.5°	1330.5	1334.6	1338.0	1341.4
25°	1041.0	1049.7	1060.6	1071.6
27.5°	854.6	859.8	859.9	860.1
30°	752.3	757.8	759.8	761.8
32.5°	671.4	677.2	675.8	674.4
35°	555.9	560.7	560.7	560.7
37.5°	450.7	454.2	454.8	455.3
40°	382.6	385.1	386.6	388.0
42.5°	318.0	319.1	315.3	311.4
45°	221.0	215.2	199.1	183.0
47.5°	128.9	114.0	96.3	78.6
50°	82.3	63.8	50.0	36.2
52.5°	52.3	35.0	28.1	21.2
55°	23.1	13.7	11.4	9.1
57.5°	9.3	5.9	4.6	3.4
60°	4.1	2.4	1.9	1.3
62.5°	1.9	0.9	0.6	0.3
65°	0.2	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	5.9	3.6	2.3	1.0
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: P1427627

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-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: P1427627

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-L930-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00