

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: P1428638

Luminaire Tested: SQ2W-WBN-K-125U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428638  
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-075D-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 750 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

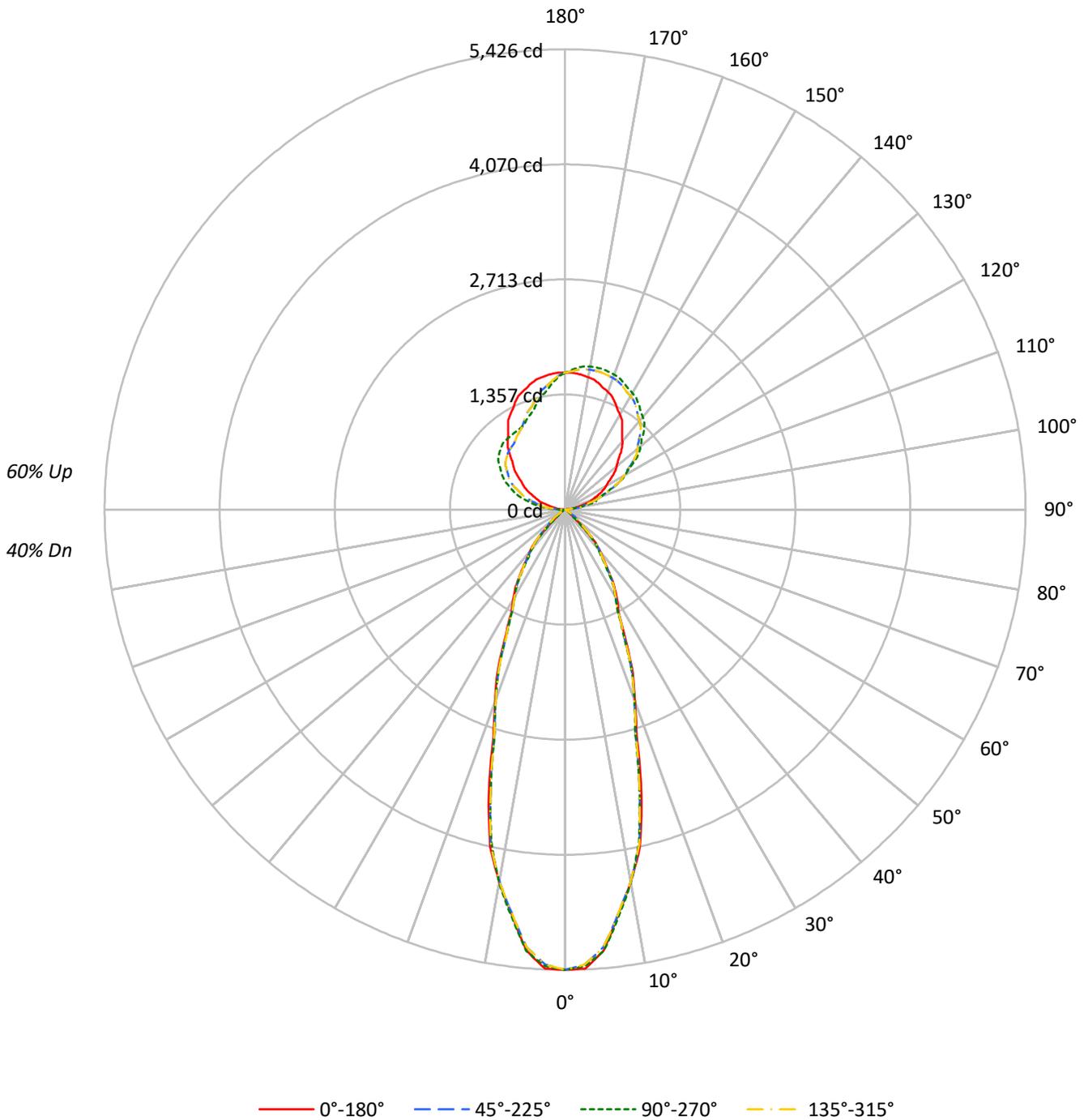
Lumens per Lamp: N/A  
Luminaire Lumens: 7871.8 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 71.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1428638

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L930-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1428638

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L930-UNV-STD-W-WM-4

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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	94	91	88	89	86	83	81	71	69	67	57	56	55	44	44	43	37				
2	90	84	79	75	82	77	73	70	64	62	59	53	51	49	42	41	40	35				
3	84	76	70	65	77	70	65	61	59	55	53	49	46	44	39	38	36	32				
4	78	69	63	58	72	64	58	54	54	50	47	45	42	40	37	35	34	30				
5	73	63	56	51	67	59	53	48	50	46	43	42	39	37	35	33	31	28				
6	68	58	51	46	63	54	48	44	46	42	39	39	36	34	33	31	29	26				
7	64	53	47	42	59	50	44	40	43	39	36	37	34	31	31	29	27	25				
8	60	49	43	38	55	46	40	36	40	36	33	35	31	29	29	27	26	23				
9	56	46	39	35	52	43	37	34	38	33	30	33	29	27	28	26	24	22				
10	53	43	37	32	49	40	35	31	35	31	28	31	28	25	26	24	23	21				

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

	0°	90°	180°	270°
0°	87598	87598	87598	87598
5°	84577	84671	84577	84671
10°	73105	73279	73105	73279
15°	58174	56566	58174	56566
20°	41326	41078	41326	41078
25°	29731	28943	29731	28943
30°	22717	22053	22717	22053
35°	17832	17073	17832	17073
40°	13510	12678	13510	12678
45°	7560	6747	7560	6747
50°	2660	2346	2660	2346
55°	1624	1545	1624	1545
60°	1243	1150	1243	1150
65°	1138	1066	1138	1066
70°	1090	1001	1090	1001
75°	1023	961	1023	961
80°	893	893	893	893
85°	889	704	889	704

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 8964 cd/sqm



TEST NUMBER: P1428638

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L930-UNV-STD-W-WM-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	471.0	6.0
10°-20°	936.0	11.9
20°-30°	775.2	9.8
30°-40°	557.6	7.1
40°-50°	284.1	3.6
50°-60°	73.9	0.9
60°-70°	30.7	0.4
70°-80°	17.0	0.2
80°-90°	11.7	0.1
90°-100°	128.5	1.6
100°-110°	374.8	4.8
110°-120°	611.6	7.8
120°-130°	776.1	9.9
130°-140°	830.4	10.5
140°-150°	775.4	9.9
150°-160°	638.1	8.1
160°-170°	427.9	5.4
170°-180°	151.9	1.9
0°-30°	2182.1	27.7
0°-40°	2739.8	34.8
0°-60°	3097.7	39.4
0°-90°	3157.1	40.1
90°-120°	1114.9	14.2
90°-150°	3496.8	44.4
90°-180°	4715.0	59.9
0°-180°	7871.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5426	5426	5426	5426	5426	
5°	5218	5224	5218	5224	5218	471
15°	3480	3384	3480	3384	3480	945
25°	1669	1625	1669	1625	1669	785
35°	905	866	905	866	905	568
45°	331	296	331	296	331	265
55°	58	55	58	55	58	57
65°	30	28	30	28	30	30
75°	16	15	16	15	16	17
85°	5	4	5	4	5	5
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	



TEST NUMBER: P1428638

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5
2.5°	5417.0	5412.9	5408.8	5390.6	5367.6	5365.8	5384.9	5398.1	5393.3	5388.5	5393.3
5°	5218.5	5215.1	5211.7	5196.1	5176.4	5183.3	5216.6	5239.7	5232.0	5224.3	5232.0
7.5°	4808.7	4811.6	4814.5	4806.5	4794.9	4803.8	4833.4	4853.4	4845.2	4837.0	4845.2
10°	4459.1	4466.8	4474.5	4463.6	4446.5	4459.6	4502.8	4527.9	4498.8	4469.7	4498.8
12.5°	4073.4	4068.4	4063.5	4053.5	4041.9	4039.5	4046.4	4047.6	4031.5	4015.4	4031.5
15°	3480.3	3462.3	3444.4	3416.8	3386.0	3375.9	3386.6	3393.5	3388.8	3384.1	3388.8
17.5°	2803.3	2810.2	2817.2	2798.5	2771.3	2757.2	2756.1	2754.0	2748.7	2743.4	2748.7
20°	2405.2	2407.4	2409.5	2397.8	2381.6	2377.7	2386.3	2392.5	2391.6	2390.8	2391.6
22.5°	2084.9	2085.3	2085.8	2070.3	2049.6	2045.6	2058.3	2065.9	2058.2	2050.5	2058.2
25°	1668.9	1667.6	1666.4	1656.1	1642.8	1633.0	1626.6	1622.1	1623.4	1624.7	1623.4
27.5°	1368.6	1363.3	1358.0	1349.3	1339.3	1336.5	1340.8	1343.2	1340.0	1336.9	1340.0
30°	1218.5	1214.2	1209.9	1201.2	1190.9	1187.1	1189.6	1190.6	1186.7	1182.9	1186.7
32.5°	1083.7	1083.9	1084.1	1076.2	1065.6	1059.7	1058.5	1056.9	1054.0	1051.2	1054.0
35°	904.7	907.3	909.9	903.4	894.0	886.1	879.7	873.9	870.1	866.2	870.1
37.5°	745.0	747.4	749.7	744.4	736.4	727.7	718.3	710.5	707.2	704.0	707.2
40°	641.0	642.7	644.4	640.7	635.1	626.8	615.7	606.7	604.1	601.5	604.1
42.5°	527.8	535.0	542.2	539.8	534.3	526.3	515.8	506.6	500.9	495.3	500.9
45°	331.1	353.8	376.4	386.6	392.6	389.8	378.3	361.4	328.4	295.5	328.4
47.5°	167.5	198.9	230.3	252.8	272.4	266.2	234.1	201.9	169.6	137.2	169.6
50°	105.9	127.7	149.5	177.1	206.6	200.2	157.8	122.4	107.9	93.4	107.9
52.5°	81.2	92.4	103.6	129.9	161.1	158.1	120.9	91.0	82.9	74.9	82.9
55°	57.7	62.0	66.3	80.8	98.8	97.7	77.6	61.7	58.3	54.9	58.3
57.5°	44.7	47.1	49.4	54.9	61.3	60.7	53.1	46.8	44.7	42.5	44.7
60°	38.5	40.2	41.9	44.6	47.6	47.2	43.3	39.9	37.8	35.6	37.8
62.5°	34.6	35.7	36.7	37.9	39.2	38.6	36.1	34.1	33.3	32.5	33.3
65°	29.8	30.3	30.7	30.8	30.8	30.4	29.5	28.8	28.3	27.9	28.3
67.5°	25.4	25.8	26.3	26.3	26.2	26.0	25.5	25.1	24.7	24.3	24.7
70°	23.1	23.5	24.0	23.7	23.3	22.9	22.5	22.0	21.6	21.2	21.6
72.5°	20.0	20.4	20.9	20.7	20.2	20.0	19.9	19.7	19.3	18.9	19.3
75°	16.4	16.4	16.4	16.4	16.4	16.1	15.7	15.4	15.4	15.4	15.4
77.5°	12.7	12.8	12.9	12.6	12.1	11.9	11.9	11.8	11.5	11.2	11.5
80°	9.6	10.1	10.5	10.3	9.8	9.6	9.6	9.6	9.6	9.6	9.6
82.5°	8.1	8.2	8.3	8.0	7.5	7.3	7.3	7.3	7.3	7.3	7.3
85°	4.8	4.8	4.8	4.5	4.1	4.1	4.5	4.7	4.3	3.8	4.3
87.5°	2.5	3.8	5.5	6.8	7.7	8.1	8.1	8.4	8.7	8.7	8.7
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: P1428638

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



TEST NUMBER: P1428638

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5
2.5°	5398.1	5384.9	5365.8	5367.6	5390.6	5408.8	5412.9	5417.0	5412.9	5408.8	5390.6
5°	5239.7	5216.6	5183.3	5176.4	5196.1	5211.7	5215.1	5218.5	5215.1	5211.7	5196.1
7.5°	4853.4	4833.4	4803.8	4794.9	4806.5	4814.5	4811.6	4808.7	4811.6	4814.5	4806.5
10°	4527.9	4502.8	4459.6	4446.5	4463.6	4474.5	4466.8	4459.1	4466.8	4474.5	4463.6
12.5°	4047.6	4046.4	4039.5	4041.9	4053.5	4063.5	4068.4	4073.4	4068.4	4063.5	4053.5
15°	3393.5	3386.6	3375.9	3386.0	3416.8	3444.4	3462.3	3480.3	3462.3	3444.4	3416.8
17.5°	2754.0	2756.1	2757.2	2771.3	2798.5	2817.2	2810.2	2803.3	2810.2	2817.2	2798.5
20°	2392.5	2386.3	2377.7	2381.6	2397.8	2409.5	2407.4	2405.2	2407.4	2409.5	2397.8
22.5°	2065.9	2058.3	2045.6	2049.6	2070.3	2085.8	2085.3	2084.9	2085.3	2085.8	2070.3
25°	1622.1	1626.6	1633.0	1642.8	1656.1	1666.4	1667.6	1668.9	1667.6	1666.4	1656.1
27.5°	1343.2	1340.8	1336.5	1339.3	1349.3	1358.0	1363.3	1368.6	1363.3	1358.0	1349.3
30°	1190.6	1189.6	1187.1	1190.9	1201.2	1209.9	1214.2	1218.5	1214.2	1209.9	1201.2
32.5°	1056.9	1058.5	1059.7	1065.6	1076.2	1084.1	1083.9	1083.7	1083.9	1084.1	1076.2
35°	873.9	879.7	886.1	894.0	903.4	909.9	907.3	904.7	907.3	909.9	903.4
37.5°	710.5	718.3	727.7	736.4	744.4	749.7	747.4	745.0	747.4	749.7	744.4
40°	606.7	615.7	626.8	635.1	640.7	644.4	642.7	641.0	642.7	644.4	640.7
42.5°	506.6	515.8	526.3	534.3	539.8	542.2	535.0	527.8	535.0	542.2	539.8
45°	361.4	378.3	389.8	392.6	386.6	376.4	353.8	331.1	353.8	376.4	386.6
47.5°	201.9	234.1	266.2	272.4	252.8	230.3	198.9	167.5	198.9	230.3	252.8
50°	122.4	157.8	200.2	206.6	177.1	149.5	127.7	105.9	127.7	149.5	177.1
52.5°	91.0	120.9	158.1	161.1	129.9	103.6	92.4	81.2	92.4	103.6	129.9
55°	61.7	77.6	97.7	98.8	80.8	66.3	62.0	57.7	62.0	66.3	80.8
57.5°	46.8	53.1	60.7	61.3	54.9	49.4	47.1	44.7	47.1	49.4	54.9
60°	39.9	43.3	47.2	47.6	44.6	41.9	40.2	38.5	40.2	41.9	44.6
62.5°	34.1	36.1	38.6	39.2	37.9	36.7	35.7	34.6	35.7	36.7	37.9
65°	28.8	29.5	30.4	30.8	30.8	30.7	30.3	29.8	30.3	30.7	30.8
67.5°	25.1	25.5	26.0	26.2	26.3	26.3	25.8	25.4	25.8	26.3	26.3
70°	22.0	22.5	22.9	23.3	23.7	24.0	23.5	23.1	23.5	24.0	23.7
72.5°	19.7	19.9	20.0	20.2	20.7	20.9	20.4	20.0	20.4	20.9	20.7
75°	15.4	15.7	16.1	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
77.5°	11.8	11.9	11.9	12.1	12.6	12.9	12.8	12.7	12.8	12.9	12.6
80°	9.6	9.6	9.6	9.8	10.3	10.5	10.1	9.6	10.1	10.5	10.3
82.5°	7.3	7.3	7.3	7.5	8.0	8.3	8.2	8.1	8.2	8.3	8.0
85°	4.7	4.5	4.1	4.1	4.5	4.8	4.8	4.8	4.8	4.8	4.5
87.5°	8.4	8.1	8.1	7.7	6.8	5.5	3.8	2.5	3.8	5.1	7.4
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: P1428638

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-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: P1428638

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5	5425.5
2.5°	5367.6	5365.8	5384.9	5398.1	5393.3	5388.5	5393.3	5398.1	5384.9	5365.8	5367.6
5°	5176.4	5183.3	5216.6	5239.7	5232.0	5224.3	5232.0	5239.7	5216.6	5183.3	5176.4
7.5°	4794.9	4803.8	4833.4	4853.4	4845.2	4837.0	4845.2	4853.4	4833.4	4803.8	4794.9
10°	4446.5	4459.6	4502.8	4527.9	4498.8	4469.7	4498.8	4527.9	4502.8	4459.6	4446.5
12.5°	4041.9	4039.5	4046.4	4047.6	4031.5	4015.4	4031.5	4047.6	4046.4	4039.5	4041.9
15°	3386.0	3375.9	3386.6	3393.5	3388.8	3384.1	3388.8	3393.5	3386.6	3375.9	3386.0
17.5°	2771.3	2757.2	2756.1	2754.0	2748.7	2743.4	2748.7	2754.0	2756.1	2757.2	2771.3
20°	2381.6	2377.7	2386.3	2392.5	2391.6	2390.8	2391.6	2392.5	2386.3	2377.7	2381.6
22.5°	2049.6	2045.6	2058.3	2065.9	2058.2	2050.5	2058.2	2065.9	2058.3	2045.6	2049.6
25°	1642.8	1633.0	1626.6	1622.1	1623.4	1624.7	1623.4	1622.1	1626.6	1633.0	1642.8
27.5°	1339.3	1336.5	1340.8	1343.2	1340.0	1336.9	1340.0	1343.2	1340.8	1336.5	1339.3
30°	1190.9	1187.1	1189.6	1190.6	1186.7	1182.9	1186.7	1190.6	1189.6	1187.1	1190.9
32.5°	1065.6	1059.7	1058.5	1056.9	1054.0	1051.2	1054.0	1056.9	1058.5	1059.7	1065.6
35°	894.0	886.1	879.7	873.9	870.1	866.2	870.1	873.9	879.7	886.1	894.0
37.5°	736.4	727.7	718.3	710.5	707.2	704.0	707.2	710.5	718.3	727.7	736.4
40°	635.1	626.8	615.7	606.7	604.1	601.5	604.1	606.7	615.7	626.8	635.1
42.5°	534.3	526.3	515.8	506.6	500.9	495.3	500.9	506.6	515.8	526.3	534.3
45°	392.6	389.8	378.3	361.4	328.4	295.5	328.4	361.4	378.3	389.8	392.6
47.5°	272.4	266.2	234.1	201.9	169.6	137.2	169.6	201.9	234.1	266.2	272.4
50°	206.6	200.2	157.8	122.4	107.9	93.4	107.9	122.4	157.8	200.2	206.6
52.5°	161.1	158.1	120.9	91.0	82.9	74.9	82.9	91.0	120.9	158.1	161.1
55°	98.8	97.7	77.6	61.7	58.3	54.9	58.3	61.7	77.6	97.7	98.8
57.5°	61.3	60.7	53.1	46.8	44.7	42.5	44.7	46.8	53.1	60.7	61.3
60°	47.6	47.2	43.3	39.9	37.8	35.6	37.8	39.9	43.3	47.2	47.6
62.5°	39.2	38.6	36.1	34.1	33.3	32.5	33.3	34.1	36.1	38.6	39.2
65°	30.8	30.4	29.5	28.8	28.3	27.9	28.3	28.8	29.5	30.4	30.8
67.5°	26.2	26.0	25.5	25.1	24.7	24.3	24.7	25.1	25.5	26.0	26.2
70°	23.3	22.9	22.5	22.0	21.6	21.2	21.6	22.0	22.5	22.9	23.3
72.5°	20.2	20.0	19.9	19.7	19.3	18.9	19.3	19.7	19.9	20.0	20.2
75°	16.4	16.1	15.7	15.4	15.4	15.4	15.4	15.4	15.7	16.1	16.4
77.5°	12.1	11.9	11.9	11.8	11.5	11.2	11.5	11.8	11.9	11.9	12.1
80°	9.8	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.8
82.5°	7.5	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5
85°	4.1	4.1	4.5	4.7	4.3	3.8	4.3	4.7	4.5	4.1	4.1
87.5°	9.0	11.3	13.6	14.9	16.2	15.6	16.2	14.9	13.6	11.3	9.0
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: P1428638

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-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: P1428638

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	5425.5	5425.5	5425.5	5425.5
2.5°	5390.6	5408.8	5412.9	5417.0
5°	5196.1	5211.7	5215.1	5218.5
7.5°	4806.5	4814.5	4811.6	4808.7
10°	4463.6	4474.5	4466.8	4459.1
12.5°	4053.5	4063.5	4068.4	4073.4
15°	3416.8	3444.4	3462.3	3480.3
17.5°	2798.5	2817.2	2810.2	2803.3
20°	2397.8	2409.5	2407.4	2405.2
22.5°	2070.3	2085.8	2085.3	2084.9
25°	1656.1	1666.4	1667.6	1668.9
27.5°	1349.3	1358.0	1363.3	1368.6
30°	1201.2	1209.9	1214.2	1218.5
32.5°	1076.2	1084.1	1083.9	1083.7
35°	903.4	909.9	907.3	904.7
37.5°	744.4	749.7	747.4	745.0
40°	640.7	644.4	642.7	641.0
42.5°	539.8	542.2	535.0	527.8
45°	386.6	376.4	353.8	331.1
47.5°	252.8	230.3	198.9	167.5
50°	177.1	149.5	127.7	105.9
52.5°	129.9	103.6	92.4	81.2
55°	80.8	66.3	62.0	57.7
57.5°	54.9	49.4	47.1	44.7
60°	44.6	41.9	40.2	38.5
62.5°	37.9	36.7	35.7	34.6
65°	30.8	30.7	30.3	29.8
67.5°	26.3	26.3	25.8	25.4
70°	23.7	24.0	23.5	23.1
72.5°	20.7	20.9	20.4	20.0
75°	16.4	16.4	16.4	16.4
77.5°	12.6	12.9	12.8	12.7
80°	10.3	10.5	10.1	9.6
82.5°	8.0	8.3	8.2	8.1
85°	4.5	4.8	4.8	4.8
87.5°	7.4	5.1	3.8	2.5
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: P1428638

CATALOG NUMBER: SQ2W-WBN-K-125U-075D-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: P1428638  
 CATALOG NUMBER: SQ2W-WBN-K-125U-075D-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	0.65	1.30	1.72	2.35	3.77	0.28	0.93	1.35	1.98	3.39
	3H	1.87	2.45	2.95	3.51	4.95	1.49	2.06	2.57	3.12	4.56
	4H	2.39	2.94	3.48	4.00	5.44	2.00	2.54	3.09	3.60	5.05
	6H	2.74	3.24	3.84	4.31	5.76	2.33	2.83	3.43	3.89	5.34
	8H	2.89	3.36	3.99	4.44	5.89	2.46	2.94	3.57	4.02	5.46
	12H	2.98	3.43	4.08	4.50	5.97	2.53	2.98	3.64	4.05	5.52
4H	2H	0.97	1.51	2.07	2.57	4.02	0.66	1.20	1.76	2.26	3.71
	3H	2.46	2.91	3.56	4.00	5.45	2.12	2.57	3.22	3.66	5.12
	4H	3.11	3.52	4.21	4.60	6.08	2.76	3.17	3.86	4.25	5.73
	6H	3.60	3.95	4.71	5.05	6.52	3.21	3.56	4.32	4.66	6.14
	8H	3.81	4.14	4.92	5.23	6.72	3.41	3.73	4.52	4.83	6.31
	12H	3.94	4.24	5.07	5.35	6.83	3.51	3.81	4.64	4.91	6.40
8H	4H	3.27	3.60	4.38	4.69	6.17	2.95	3.28	4.06	4.37	5.86
	6H	3.91	4.17	5.04	5.31	6.79	3.55	3.82	4.68	4.95	6.43
	8H	4.23	4.46	5.36	5.58	7.08	3.84	4.07	4.97	5.19	6.69
	12H	4.45	4.66	5.59	5.77	7.31	4.04	4.24	5.18	5.35	6.90
12H	4H	3.24	3.54	4.37	4.65	6.13	2.94	3.24	4.07	4.34	5.83
	6H	3.94	4.17	5.08	5.29	6.79	3.60	3.83	4.73	4.95	6.45
	8H	4.29	4.49	5.43	5.61	7.15	3.92	4.12	5.05	5.23	6.77