

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: P1428642

Luminaire Tested: SQ2W-WBN-K-125U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428642  
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-100D-L935-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 1000 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

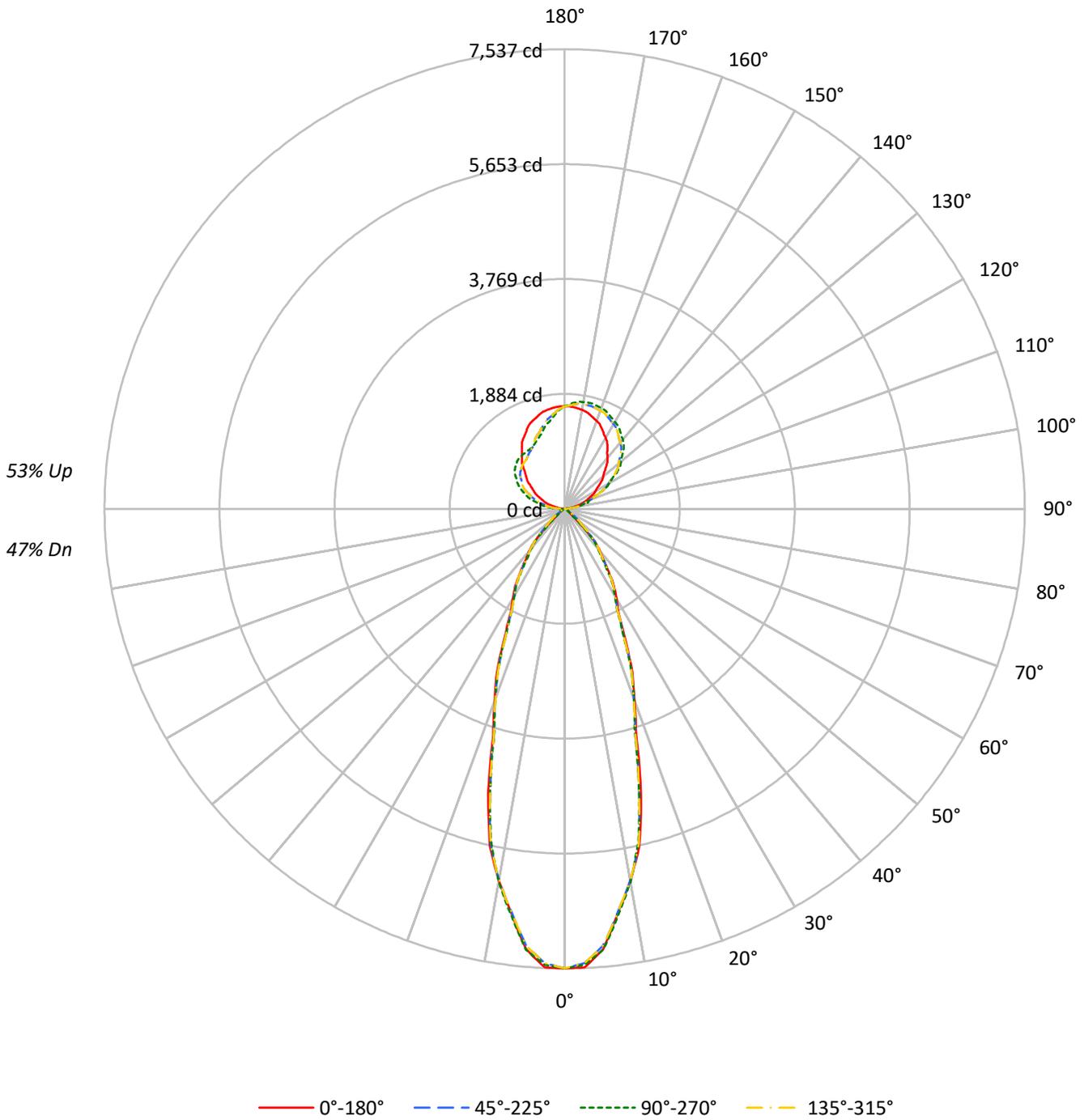
Lumens per Lamp: N/A  
Luminaire Lumens: 9285.5 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.1  
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

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CATALOG NUMBER: SQ2W-WBN-K-125U-100D-L935-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	50	30	10	0	
RCR																						
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	54	54	54	47				47
1	99	96	93	90	91	88	86	84	75	73	71	62	61	60	51	50	49	44				44
2	92	86	82	77	85	80	76	73	68	66	63	58	56	54	48	46	45	41				41
3	86	79	73	68	80	73	68	64	63	59	56	53	51	49	45	43	42	38				38
4	80	72	65	60	74	67	61	57	58	54	51	50	47	45	42	40	39	35				35
5	75	66	59	54	70	62	56	51	54	49	46	46	43	41	40	38	36	33				33
6	70	60	54	49	65	57	51	47	50	46	42	44	40	38	37	35	34	31				31
7	66	56	49	45	62	53	47	43	47	42	39	41	38	35	35	33	32	29				29
8	62	52	45	41	58	49	43	39	44	39	36	38	35	33	34	31	30	28				28
9	59	48	42	38	55	46	40	36	41	37	33	36	33	31	32	30	28	26				26
10	56	45	39	35	52	43	37	34	39	34	31	34	31	29	30	28	26	25				25

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

	0°	90°	180°	270°
0°	121689	121689	121689	121689
5°	117494	117624	117494	117624
10°	101558	101799	101558	101799
15°	80814	78579	80814	78579
20°	57409	57064	57409	57064
25°	41303	40206	41303	40206
30°	31557	30635	31557	30635
35°	24772	23717	24772	23717
40°	18769	17614	18769	17614
45°	10501	9373	10501	9373
50°	3695	3258	3695	3258
55°	2258	2145	2258	2145
60°	1728	1598	1728	1598
65°	1582	1482	1582	1482
70°	1515	1388	1515	1388
75°	1416	1335	1416	1335
80°	1246	1246	1246	1246
85°	1241	982	1241	982

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 12453 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	654.3	7.0
10°-20°	1300.3	14.0
20°-30°	1076.8	11.6
30°-40°	774.7	8.3
40°-50°	394.6	4.2
50°-60°	102.6	1.1
60°-70°	42.6	0.5
70°-80°	23.7	0.3
80°-90°	14.0	0.2
90°-100°	133.6	1.4
100°-110°	389.6	4.2
110°-120°	635.9	6.8
120°-130°	806.9	8.7
130°-140°	863.4	9.3
140°-150°	806.2	8.7
150°-160°	663.4	7.1
160°-170°	444.9	4.8
170°-180°	158.0	1.7
0°-30°	3031.4	32.6
0°-40°	3806.1	41.0
0°-60°	4303.3	46.3
0°-90°	4383.5	47.2
90°-120°	1159.2	12.5
90°-150°	3635.7	39.2
90°-180°	4902.0	52.8
0°-180°	9285.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7537	7537	7537	7537	7537	
5°	7250	7258	7250	7258	7250	654
15°	4835	4701	4835	4701	4835	1312
25°	2318	2257	2318	2257	2318	1091
35°	1257	1203	1257	1203	1257	789
45°	460	410	460	410	460	368
55°	80	76	80	76	80	79
65°	41	39	41	39	41	41
75°	23	21	23	21	23	24
85°	7	5	7	5	7	7
90°	5	37	5	73	5	4
95°	53	39	53	229	53	63
105°	248	397	248	546	248	263
115°	475	658	475	811	475	468
125°	702	1043	702	994	702	628
135°	955	1365	955	1101	955	738
145°	1219	1574	1219	1124	1219	763
155°	1448	1709	1448	1167	1448	666
165°	1601	1782	1601	1343	1601	451
175°	1674	1745	1674	1575	1674	159
180°	1679	1679	1679	1679	1679	

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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0
2.5°	7525.2	7519.5	7513.8	7488.5	7456.6	7454.0	7480.6	7498.9	7492.3	7485.6	7492.3
5°	7249.5	7244.8	7240.0	7218.3	7191.0	7200.5	7246.8	7278.9	7268.2	7257.5	7268.2
7.5°	6680.2	6684.2	6688.3	6677.2	6661.0	6673.4	6714.4	6742.3	6730.9	6719.5	6730.9
10°	6194.6	6205.3	6216.0	6200.8	6177.0	6195.2	6255.2	6290.1	6249.7	6209.3	6249.7
12.5°	5658.7	5651.8	5644.9	5631.1	5614.9	5611.6	5621.2	5622.9	5600.5	5578.2	5600.5
15°	4834.8	4809.8	4784.9	4746.5	4703.8	4689.8	4704.7	4714.2	4707.6	4701.1	4707.6
17.5°	3894.3	3903.9	3913.6	3887.6	3849.8	3830.2	3828.8	3825.9	3818.5	3811.1	3818.5
20°	3341.3	3344.3	3347.2	3331.0	3308.5	3303.1	3315.0	3323.6	3322.4	3321.2	3322.4
22.5°	2896.3	2896.9	2897.5	2876.1	2847.3	2841.7	2859.3	2869.9	2859.2	2848.5	2859.2
25°	2318.5	2316.7	2314.9	2300.6	2282.2	2268.5	2259.6	2253.4	2255.2	2256.9	2255.2
27.5°	1901.3	1893.9	1886.6	1874.4	1860.6	1856.7	1862.6	1866.0	1861.6	1857.2	1861.6
30°	1692.7	1686.8	1680.8	1668.6	1654.4	1649.0	1652.6	1653.9	1648.6	1643.2	1648.6
32.5°	1505.5	1505.8	1506.0	1495.0	1480.3	1472.1	1470.4	1468.2	1464.3	1460.3	1464.3
35°	1256.8	1260.4	1264.0	1255.0	1242.0	1231.0	1222.1	1214.0	1208.7	1203.3	1208.7
37.5°	1034.9	1038.2	1041.5	1034.1	1023.0	1011.0	997.9	987.0	982.4	977.9	982.4
40°	890.5	892.9	895.2	890.0	882.3	870.7	855.3	842.8	839.2	835.7	839.2
42.5°	733.2	743.2	753.2	749.9	742.2	731.1	716.6	703.7	695.9	688.0	695.9
45°	459.9	491.4	522.9	537.1	545.4	541.5	525.5	502.0	456.2	410.5	456.2
47.5°	232.6	276.3	319.9	351.2	378.4	369.7	325.2	280.5	235.6	190.7	235.6
50°	147.1	177.4	207.7	246.0	287.0	278.1	219.3	170.1	149.9	129.7	149.9
52.5°	112.8	128.4	144.0	180.4	223.8	219.6	167.9	126.4	115.2	104.0	115.2
55°	80.2	86.2	92.1	112.3	137.3	135.8	107.9	85.7	81.0	76.2	81.0
57.5°	62.0	65.4	68.7	76.2	85.1	84.3	73.7	65.0	62.1	59.1	62.1
60°	53.5	55.9	58.2	62.0	66.1	65.5	60.2	55.4	52.4	49.5	52.4
62.5°	48.1	49.6	51.0	52.7	54.5	53.6	50.2	47.3	46.3	45.2	46.3
65°	41.4	42.0	42.6	42.8	42.8	42.2	41.0	40.0	39.4	38.8	39.4
67.5°	35.3	35.9	36.5	36.5	36.4	36.1	35.5	34.9	34.3	33.7	34.3
70°	32.1	32.7	33.3	33.0	32.4	31.8	31.2	30.6	30.0	29.4	30.0
72.5°	27.8	28.4	29.0	28.7	28.1	27.8	27.6	27.4	26.8	26.2	26.8
75°	22.7	22.7	22.7	22.7	22.7	22.4	21.8	21.4	21.4	21.4	21.4
77.5°	17.6	17.8	17.9	17.5	16.9	16.6	16.6	16.5	16.0	15.5	16.0
80°	13.4	14.0	14.6	14.3	13.7	13.4	13.4	13.4	13.4	13.4	13.4
82.5°	11.2	11.4	11.5	11.1	10.5	10.2	10.2	10.2	10.2	10.2	10.2
85°	6.7	6.7	6.7	6.2	5.6	5.6	6.2	6.5	5.9	5.3	5.9
87.5°	3.2	4.5	6.2	7.6	8.6	8.9	8.9	9.3	9.6	9.6	9.6
90°	5.1	11.9	20.3	27.1	32.2	33.9	33.9	35.6	37.3	37.3	37.3
92.5°	18.7	29.5	29.8	29.8	36.3	39.3	42.1	42.4	44.1	44.1	44.1
95°	52.6	57.7	86.5	84.8	57.7	45.8	39.0	39.0	39.0	39.0	39.0
97.5°	100.4	107.9	112.6	150.9	159.4	154.0	125.5	105.5	94.3	89.2	94.3
100°	142.4	145.8	156.0	157.7	200.1	240.8	220.5	195.0	186.5	181.5	186.5
102.5°	184.5	186.5	202.1	209.3	219.1	242.2	312.7	304.9	299.1	298.1	299.1
105°	247.6	249.3	278.1	291.7	298.5	298.5	296.8	330.7	385.0	396.8	385.0
107.5°	315.1	322.9	356.8	393.1	400.9	402.9	394.1	389.0	387.0	388.3	387.0
110°	361.2	373.1	413.8	459.6	471.4	474.8	471.4	466.3	463.0	463.0	463.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	406.0	423.3	469.4	522.0	542.0	552.2	544.7	541.0	537.6	540.3	537.6
115°	474.8	500.3	561.3	615.6	656.3	661.4	659.7	659.7	658.0	658.0	658.0
117.5°	538.6	579.3	647.8	710.9	758.0	771.6	778.4	776.3	774.3	777.7	774.3
120°	583.4	630.8	708.9	780.1	825.9	846.2	853.0	849.6	853.0	849.6	853.0
122.5°	630.8	689.2	765.8	839.8	893.7	916.8	924.9	925.6	926.3	924.2	926.3
125°	702.1	773.3	863.2	939.5	995.4	1022.6	1029.4	1031.1	1034.4	1042.9	1034.4
127.5°	774.0	854.7	953.4	1027.0	1084.3	1117.2	1127.7	1131.4	1138.6	1142.3	1138.6
130°	824.2	915.7	1015.8	1085.3	1141.3	1176.9	1195.6	1200.6	1209.1	1207.4	1209.1
132.5°	877.1	972.7	1074.1	1146.4	1198.3	1236.6	1252.5	1267.1	1270.2	1272.5	1270.2
135°	954.7	1058.2	1159.9	1231.2	1280.3	1317.7	1338.0	1351.6	1360.0	1365.1	1360.0
137.5°	1036.5	1145.7	1243.4	1306.8	1356.3	1388.5	1411.6	1425.8	1434.7	1438.7	1434.7
140°	1092.1	1197.2	1292.2	1358.3	1402.4	1434.7	1455.0	1472.0	1482.1	1482.1	1482.1
142.5°	1145.0	1248.8	1341.1	1407.2	1445.9	1475.4	1497.1	1510.0	1521.5	1521.5	1521.5
145°	1219.3	1322.7	1407.5	1473.7	1505.9	1533.0	1556.8	1566.9	1573.7	1573.7	1573.7
147.5°	1297.0	1388.5	1465.9	1529.3	1556.4	1588.3	1607.0	1615.1	1623.6	1619.8	1623.6
150°	1343.1	1427.9	1502.5	1561.8	1589.0	1619.5	1638.2	1644.9	1653.4	1648.3	1653.4
152.5°	1387.9	1468.6	1536.4	1591.7	1614.8	1645.3	1666.6	1673.4	1679.2	1675.5	1679.2
155°	1448.2	1519.5	1582.2	1633.1	1653.4	1682.3	1702.6	1711.1	1717.9	1709.4	1717.9
157.5°	1502.2	1563.5	1618.1	1665.0	1686.7	1711.4	1730.4	1740.9	1747.7	1744.0	1747.7
160°	1534.7	1590.7	1639.9	1683.9	1704.3	1726.3	1746.7	1758.6	1765.3	1760.3	1765.3
162.5°	1561.8	1612.4	1658.8	1698.9	1716.5	1735.8	1760.3	1770.8	1777.6	1771.1	1777.6
165°	1600.9	1641.6	1682.3	1716.2	1731.4	1746.7	1772.1	1784.0	1789.1	1782.3	1789.1
167.5°	1630.4	1661.6	1694.5	1723.6	1734.8	1749.7	1775.2	1785.0	1791.5	1783.0	1791.5
170°	1646.6	1673.8	1702.6	1726.3	1734.8	1748.4	1773.8	1782.3	1787.4	1778.9	1787.4
172.5°	1660.2	1680.6	1704.0	1725.0	1729.4	1740.2	1764.3	1772.8	1776.5	1769.4	1776.5
175°	1673.8	1685.6	1702.6	1716.2	1714.5	1721.3	1741.6	1748.4	1755.2	1745.0	1755.2
177.5°	1680.2	1685.6	1691.1	1699.2	1693.8	1693.8	1708.7	1712.8	1714.1	1708.7	1714.1
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0
2.5°	7498.9	7480.6	7454.0	7456.6	7488.5	7513.8	7519.5	7525.2	7519.5	7513.8	7488.5
5°	7278.9	7246.8	7200.5	7191.0	7218.3	7240.0	7244.8	7249.5	7244.8	7240.0	7218.3
7.5°	6742.3	6714.4	6673.4	6661.0	6677.2	6688.3	6684.2	6680.2	6684.2	6688.3	6677.2
10°	6290.1	6255.2	6195.2	6177.0	6200.8	6216.0	6205.3	6194.6	6205.3	6216.0	6200.8
12.5°	5622.9	5621.2	5611.6	5614.9	5631.1	5644.9	5651.8	5658.7	5651.8	5644.9	5631.1
15°	4714.2	4704.7	4689.8	4703.8	4746.5	4784.9	4809.8	4834.8	4809.8	4784.9	4746.5
17.5°	3825.9	3828.8	3830.2	3849.8	3887.6	3913.6	3903.9	3894.3	3903.9	3913.6	3887.6
20°	3323.6	3315.0	3303.1	3308.5	3331.0	3347.2	3344.3	3341.3	3344.3	3347.2	3331.0
22.5°	2869.9	2859.3	2841.7	2847.3	2876.1	2897.5	2896.9	2896.3	2896.9	2897.5	2876.1
25°	2253.4	2259.6	2268.5	2282.2	2300.6	2314.9	2316.7	2318.5	2316.7	2314.9	2300.6
27.5°	1866.0	1862.6	1856.7	1860.6	1874.4	1886.6	1893.9	1901.3	1893.9	1886.6	1874.4
30°	1653.9	1652.6	1649.0	1654.4	1668.6	1680.8	1686.8	1692.7	1686.8	1680.8	1668.6
32.5°	1468.2	1470.4	1472.1	1480.3	1495.0	1506.0	1505.8	1505.5	1505.8	1506.0	1495.0
35°	1214.0	1222.1	1231.0	1242.0	1255.0	1264.0	1260.4	1256.8	1260.4	1264.0	1255.0
37.5°	987.0	997.9	1011.0	1023.0	1034.1	1041.5	1038.2	1034.9	1038.2	1041.5	1034.1
40°	842.8	855.3	870.7	882.3	890.0	895.2	892.9	890.5	892.9	895.2	890.0
42.5°	703.7	716.6	731.1	742.2	749.9	753.2	743.2	733.2	743.2	753.2	749.9
45°	502.0	525.5	541.5	545.4	537.1	522.9	491.4	459.9	491.4	522.9	537.1
47.5°	280.5	325.2	369.7	378.4	351.2	319.9	276.3	232.6	276.3	319.9	351.2
50°	170.1	219.3	278.1	287.0	246.0	207.7	177.4	147.1	177.4	207.7	246.0
52.5°	126.4	167.9	219.6	223.8	180.4	144.0	128.4	112.8	128.4	144.0	180.4
55°	85.7	107.9	135.8	137.3	112.3	92.1	86.2	80.2	86.2	92.1	112.3
57.5°	65.0	73.7	84.3	85.1	76.2	68.7	65.4	62.0	65.4	68.7	76.2
60°	55.4	60.2	65.5	66.1	62.0	58.2	55.9	53.5	55.9	58.2	62.0
62.5°	47.3	50.2	53.6	54.5	52.7	51.0	49.6	48.1	49.6	51.0	52.7
65°	40.0	41.0	42.2	42.8	42.8	42.6	42.0	41.4	42.0	42.6	42.8
67.5°	34.9	35.5	36.1	36.4	36.5	36.5	35.9	35.3	35.9	36.5	36.5
70°	30.6	31.2	31.8	32.4	33.0	33.3	32.7	32.1	32.7	33.3	33.0
72.5°	27.4	27.6	27.8	28.1	28.7	29.0	28.4	27.8	28.4	29.0	28.7
75°	21.4	21.8	22.4	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
77.5°	16.5	16.6	16.6	16.9	17.5	17.9	17.8	17.6	17.8	17.9	17.5
80°	13.4	13.4	13.4	13.7	14.3	14.6	14.0	13.4	14.0	14.6	14.3
82.5°	10.2	10.2	10.2	10.5	11.1	11.5	11.4	11.2	11.4	11.5	11.1
85°	6.5	6.2	5.6	5.6	6.2	6.7	6.7	6.7	6.7	6.7	6.2
87.5°	9.3	8.9	8.9	8.6	7.6	6.2	4.5	3.2	4.5	5.9	8.2
90°	35.6	33.9	33.9	32.2	27.1	20.3	11.9	5.1	11.9	18.7	30.5
92.5°	42.4	42.1	39.3	36.3	29.8	29.8	29.5	18.7	32.2	45.8	65.8
95°	39.0	39.0	45.8	57.7	84.8	86.5	57.7	52.6	74.6	105.1	132.3
97.5°	105.5	125.5	154.0	159.4	150.9	112.6	107.9	100.4	136.7	166.9	210.6
100°	195.0	220.5	240.8	200.1	157.7	156.0	145.8	142.4	181.5	210.3	252.7
102.5°	304.9	312.7	242.2	219.1	209.3	202.1	186.5	184.5	223.5	263.2	298.8
105°	330.7	296.8	298.5	298.5	291.7	278.1	249.3	247.6	291.7	337.5	381.6
107.5°	389.0	394.1	402.9	400.9	393.1	356.8	322.9	315.1	354.8	409.7	458.2
110°	466.3	471.4	474.8	471.4	459.6	413.8	373.1	361.2	396.8	454.5	507.0



TEST NUMBER: P1428642

CATALOG NUMBER: SQ2W-WBN-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	541.0	544.7	552.2	542.0	522.0	469.4	423.3	406.0	441.6	500.6	554.5
115°	659.7	659.7	661.4	656.3	615.6	561.3	500.3	474.8	505.4	559.6	619.0
117.5°	776.3	778.4	771.6	758.0	710.9	647.8	579.3	538.6	562.7	620.0	681.0
120°	849.6	853.0	846.2	825.9	780.1	708.9	630.8	583.4	602.0	658.0	719.0
122.5°	925.6	924.9	916.8	893.7	839.8	765.8	689.2	630.8	638.6	690.5	750.2
125°	1031.1	1029.4	1022.6	995.4	939.5	863.2	773.3	702.1	691.9	736.0	797.0
127.5°	1131.4	1127.7	1117.2	1084.3	1027.0	953.4	854.7	774.0	751.2	779.1	835.0
130°	1200.6	1195.6	1176.9	1141.3	1085.3	1015.8	915.7	824.2	791.9	808.9	858.1
132.5°	1267.1	1252.5	1236.6	1198.3	1146.4	1074.1	972.7	877.1	832.6	840.1	878.4
135°	1351.6	1338.0	1317.7	1280.3	1231.2	1159.9	1058.2	954.7	893.7	886.9	909.0
137.5°	1425.8	1411.6	1388.5	1356.3	1306.8	1243.4	1145.7	1036.5	959.5	936.8	945.2
140°	1472.0	1455.0	1434.7	1402.4	1358.3	1292.2	1197.2	1092.1	1005.6	973.4	968.3
142.5°	1510.0	1497.1	1475.4	1445.9	1407.2	1341.1	1248.8	1145.0	1053.1	1011.4	999.5
145°	1566.9	1556.8	1533.0	1505.9	1473.7	1407.5	1322.7	1219.3	1127.7	1073.5	1048.0
147.5°	1615.1	1607.0	1588.3	1556.4	1529.3	1465.9	1388.5	1297.0	1203.0	1135.9	1103.0
150°	1644.9	1638.2	1619.5	1589.0	1561.8	1502.5	1427.9	1343.1	1253.2	1182.0	1139.6
152.5°	1673.4	1666.6	1645.3	1614.8	1591.7	1536.4	1468.6	1387.9	1296.6	1225.4	1181.6
155°	1711.1	1702.6	1682.3	1653.4	1633.1	1582.2	1519.5	1448.2	1370.2	1295.6	1246.4
157.5°	1740.9	1730.4	1711.4	1686.7	1665.0	1618.1	1563.5	1502.2	1434.0	1362.8	1312.6
160°	1758.6	1746.7	1726.3	1704.3	1683.9	1639.9	1590.7	1534.7	1472.0	1407.5	1353.3
162.5°	1770.8	1760.3	1735.8	1716.5	1698.9	1658.8	1612.4	1561.8	1505.9	1449.6	1399.4
165°	1784.0	1772.1	1746.7	1731.4	1716.2	1682.3	1641.6	1600.9	1553.4	1507.6	1466.9
167.5°	1785.0	1775.2	1749.7	1734.8	1723.6	1694.5	1661.6	1630.4	1593.4	1557.4	1523.5
170°	1782.3	1773.8	1748.4	1734.8	1726.3	1702.6	1673.8	1646.6	1617.8	1587.3	1560.2
172.5°	1772.8	1764.3	1740.2	1729.4	1725.0	1704.0	1680.6	1660.2	1635.4	1613.1	1591.4
175°	1748.4	1741.6	1721.3	1714.5	1716.2	1702.6	1685.6	1673.8	1658.5	1644.9	1633.1
177.5°	1712.8	1708.7	1693.8	1693.8	1699.2	1691.1	1685.6	1680.2	1673.4	1669.4	1665.3
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428642

CATALOG NUMBER: SQ2W-WBN-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0
2.5°	7456.6	7454.0	7480.6	7498.9	7492.3	7485.6	7492.3	7498.9	7480.6	7454.0	7456.6
5°	7191.0	7200.5	7246.8	7278.9	7268.2	7257.5	7268.2	7278.9	7246.8	7200.5	7191.0
7.5°	6661.0	6673.4	6714.4	6742.3	6730.9	6719.5	6730.9	6742.3	6714.4	6673.4	6661.0
10°	6177.0	6195.2	6255.2	6290.1	6249.7	6209.3	6249.7	6290.1	6255.2	6195.2	6177.0
12.5°	5614.9	5611.6	5621.2	5622.9	5600.5	5578.2	5600.5	5622.9	5621.2	5611.6	5614.9
15°	4703.8	4689.8	4704.7	4714.2	4707.6	4701.1	4707.6	4714.2	4704.7	4689.8	4703.8
17.5°	3849.8	3830.2	3828.8	3825.9	3818.5	3811.1	3818.5	3825.9	3828.8	3830.2	3849.8
20°	3308.5	3303.1	3315.0	3323.6	3322.4	3321.2	3322.4	3323.6	3315.0	3303.1	3308.5
22.5°	2847.3	2841.7	2859.3	2869.9	2859.2	2848.5	2859.2	2869.9	2859.3	2841.7	2847.3
25°	2282.2	2268.5	2259.6	2253.4	2255.2	2256.9	2255.2	2253.4	2259.6	2268.5	2282.2
27.5°	1860.6	1856.7	1862.6	1866.0	1861.6	1857.2	1861.6	1866.0	1862.6	1856.7	1860.6
30°	1654.4	1649.0	1652.6	1653.9	1648.6	1643.2	1648.6	1653.9	1652.6	1649.0	1654.4
32.5°	1480.3	1472.1	1470.4	1468.2	1464.3	1460.3	1464.3	1468.2	1470.4	1472.1	1480.3
35°	1242.0	1231.0	1222.1	1214.0	1208.7	1203.3	1208.7	1214.0	1222.1	1231.0	1242.0
37.5°	1023.0	1011.0	997.9	987.0	982.4	977.9	982.4	987.0	997.9	1011.0	1023.0
40°	882.3	870.7	855.3	842.8	839.2	835.7	839.2	842.8	855.3	870.7	882.3
42.5°	742.2	731.1	716.6	703.7	695.9	688.0	695.9	703.7	716.6	731.1	742.2
45°	545.4	541.5	525.5	502.0	456.2	410.5	456.2	502.0	525.5	541.5	545.4
47.5°	378.4	369.7	325.2	280.5	235.6	190.7	235.6	280.5	325.2	369.7	378.4
50°	287.0	278.1	219.3	170.1	149.9	129.7	149.9	170.1	219.3	278.1	287.0
52.5°	223.8	219.6	167.9	126.4	115.2	104.0	115.2	126.4	167.9	219.6	223.8
55°	137.3	135.8	107.9	85.7	81.0	76.2	81.0	85.7	107.9	135.8	137.3
57.5°	85.1	84.3	73.7	65.0	62.1	59.1	62.1	65.0	73.7	84.3	85.1
60°	66.1	65.5	60.2	55.4	52.4	49.5	52.4	55.4	60.2	65.5	66.1
62.5°	54.5	53.6	50.2	47.3	46.3	45.2	46.3	47.3	50.2	53.6	54.5
65°	42.8	42.2	41.0	40.0	39.4	38.8	39.4	40.0	41.0	42.2	42.8
67.5°	36.4	36.1	35.5	34.9	34.3	33.7	34.3	34.9	35.5	36.1	36.4
70°	32.4	31.8	31.2	30.6	30.0	29.4	30.0	30.6	31.2	31.8	32.4
72.5°	28.1	27.8	27.6	27.4	26.8	26.2	26.8	27.4	27.6	27.8	28.1
75°	22.7	22.4	21.8	21.4	21.4	21.4	21.4	21.4	21.8	22.4	22.7
77.5°	16.9	16.6	16.6	16.5	16.0	15.5	16.0	16.5	16.6	16.6	16.9
80°	13.7	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.7
82.5°	10.5	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.5
85°	5.6	5.6	6.2	6.5	5.9	5.3	5.9	6.5	6.2	5.6	5.6
87.5°	9.9	12.3	14.7	16.0	17.4	16.7	17.4	16.0	14.7	12.3	9.9
90°	39.0	50.9	62.7	69.5	76.3	72.9	76.3	69.5	62.7	50.9	39.0
92.5°	78.3	98.4	112.9	125.2	130.6	129.9	130.6	125.2	112.9	98.4	78.3
95°	157.7	181.5	205.2	222.2	232.3	228.9	232.3	222.2	205.2	181.5	157.7
97.5°	243.2	275.1	301.5	317.5	327.6	334.4	327.6	317.5	301.5	275.1	243.2
100°	300.2	330.7	361.2	379.9	396.8	403.6	396.8	379.9	361.2	330.7	300.2
102.5°	346.3	386.3	419.5	439.6	453.8	460.6	453.8	439.6	419.5	386.3	346.3
105°	422.3	464.7	500.3	525.7	541.0	546.1	541.0	525.7	500.3	464.7	422.3
107.5°	498.2	542.0	574.9	603.0	621.7	632.5	621.7	603.0	574.9	542.0	498.2
110°	557.9	593.5	629.1	654.6	673.2	680.0	673.2	654.6	629.1	593.5	557.9



TEST NUMBER: P1428642

CATALOG NUMBER: SQ2W-WBN-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	608.1	647.8	683.4	708.9	730.2	739.7	730.2	708.9	683.4	647.8	608.1
115°	678.3	730.9	763.1	786.9	802.1	810.6	802.1	786.9	763.1	730.9	678.3
117.5°	736.7	791.6	826.9	845.2	852.3	858.4	852.3	845.2	826.9	791.6	736.7
120°	773.3	824.2	864.9	888.6	897.1	900.5	897.1	888.6	864.9	824.2	773.3
122.5°	807.2	855.4	894.7	923.9	937.8	941.2	937.8	923.9	894.7	855.4	807.2
125°	854.7	900.5	941.2	970.0	985.3	993.7	985.3	970.0	941.2	900.5	854.7
127.5°	896.1	945.6	982.9	1009.0	1023.9	1030.7	1023.9	1009.0	982.9	945.6	896.1
130°	919.1	970.0	1007.3	1036.1	1049.7	1056.5	1049.7	1036.1	1007.3	970.0	919.1
132.5°	936.8	990.4	1029.0	1055.1	1070.1	1076.8	1070.1	1055.1	1029.0	990.4	936.8
135°	958.1	1014.1	1054.8	1080.2	1093.8	1100.6	1093.8	1080.2	1054.8	1014.1	958.1
137.5°	976.8	1027.7	1070.1	1096.9	1109.1	1113.5	1109.1	1096.9	1070.1	1027.7	976.8
140°	990.4	1034.4	1076.8	1102.3	1115.8	1117.5	1115.8	1102.3	1076.8	1034.4	990.4
142.5°	1008.0	1042.6	1079.6	1105.0	1118.6	1121.6	1118.6	1105.0	1079.6	1042.6	1008.0
145°	1039.5	1059.9	1085.3	1109.1	1120.9	1124.3	1120.9	1109.1	1085.3	1059.9	1039.5
147.5°	1079.2	1085.7	1098.9	1114.5	1126.0	1128.4	1126.0	1114.5	1098.9	1085.7	1079.2
150°	1109.1	1107.4	1112.5	1122.6	1132.8	1131.1	1132.8	1122.6	1112.5	1107.4	1109.1
152.5°	1143.0	1133.1	1132.8	1137.6	1142.3	1142.0	1142.3	1137.6	1132.8	1133.1	1143.0
155°	1200.6	1182.0	1171.8	1168.4	1168.4	1166.7	1168.4	1168.4	1171.8	1182.0	1200.6
157.5°	1264.1	1237.9	1222.7	1214.5	1212.2	1208.4	1212.2	1214.5	1222.7	1237.9	1264.1
160°	1307.5	1278.6	1263.4	1249.8	1244.7	1239.6	1244.7	1249.8	1263.4	1278.6	1307.5
162.5°	1348.2	1320.7	1304.1	1291.9	1286.8	1279.0	1286.8	1291.9	1304.1	1320.7	1348.2
165°	1414.3	1385.5	1366.8	1356.7	1349.9	1343.1	1349.9	1356.7	1366.8	1385.5	1414.3
167.5°	1480.4	1448.9	1436.7	1425.2	1418.7	1406.5	1418.7	1425.2	1436.7	1448.9	1480.4
170°	1521.1	1492.3	1485.5	1475.4	1463.5	1449.9	1463.5	1475.4	1485.5	1492.3	1521.1
172.5°	1556.4	1537.1	1530.3	1520.1	1516.4	1505.5	1516.4	1520.1	1530.3	1537.1	1556.4
175°	1607.6	1592.4	1592.4	1590.7	1585.6	1575.4	1585.6	1590.7	1592.4	1592.4	1607.6
177.5°	1650.4	1642.2	1647.7	1647.7	1646.3	1636.8	1646.3	1647.7	1647.7	1642.2	1650.4
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428642

CATALOG NUMBER: SQ2W-WBN-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	7537.0	7537.0	7537.0	7537.0
2.5°	7488.5	7513.8	7519.5	7525.2
5°	7218.3	7240.0	7244.8	7249.5
7.5°	6677.2	6688.3	6684.2	6680.2
10°	6200.8	6216.0	6205.3	6194.6
12.5°	5631.1	5644.9	5651.8	5658.7
15°	4746.5	4784.9	4809.8	4834.8
17.5°	3887.6	3913.6	3903.9	3894.3
20°	3331.0	3347.2	3344.3	3341.3
22.5°	2876.1	2897.5	2896.9	2896.3
25°	2300.6	2314.9	2316.7	2318.5
27.5°	1874.4	1886.6	1893.9	1901.3
30°	1668.6	1680.8	1686.8	1692.7
32.5°	1495.0	1506.0	1505.8	1505.5
35°	1255.0	1264.0	1260.4	1256.8
37.5°	1034.1	1041.5	1038.2	1034.9
40°	890.0	895.2	892.9	890.5
42.5°	749.9	753.2	743.2	733.2
45°	537.1	522.9	491.4	459.9
47.5°	351.2	319.9	276.3	232.6
50°	246.0	207.7	177.4	147.1
52.5°	180.4	144.0	128.4	112.8
55°	112.3	92.1	86.2	80.2
57.5°	76.2	68.7	65.4	62.0
60°	62.0	58.2	55.9	53.5
62.5°	52.7	51.0	49.6	48.1
65°	42.8	42.6	42.0	41.4
67.5°	36.5	36.5	35.9	35.3
70°	33.0	33.3	32.7	32.1
72.5°	28.7	29.0	28.4	27.8
75°	22.7	22.7	22.7	22.7
77.5°	17.5	17.9	17.8	17.6
80°	14.3	14.6	14.0	13.4
82.5°	11.1	11.5	11.4	11.2
85°	6.2	6.7	6.7	6.7
87.5°	8.2	5.9	4.5	3.2
90°	30.5	18.7	11.9	5.1
92.5°	65.8	45.8	32.2	18.7
95°	132.3	105.1	74.6	52.6
97.5°	210.6	166.9	136.7	100.4
100°	252.7	210.3	181.5	142.4
102.5°	298.8	263.2	223.5	184.5
105°	381.6	337.5	291.7	247.6
107.5°	458.2	409.7	354.8	315.1
110°	507.0	454.5	396.8	361.2



TEST NUMBER: P1428642

CATALOG NUMBER: SQ2W-WBN-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	554.5	500.6	441.6	406.0
115°	619.0	559.6	505.4	474.8
117.5°	681.0	620.0	562.7	538.6
120°	719.0	658.0	602.0	583.4
122.5°	750.2	690.5	638.6	630.8
125°	797.0	736.0	691.9	702.1
127.5°	835.0	779.1	751.2	774.0
130°	858.1	808.9	791.9	824.2
132.5°	878.4	840.1	832.6	877.1
135°	909.0	886.9	893.7	954.7
137.5°	945.2	936.8	959.5	1036.5
140°	968.3	973.4	1005.6	1092.1
142.5°	999.5	1011.4	1053.1	1145.0
145°	1048.0	1073.5	1127.7	1219.3
147.5°	1103.0	1135.9	1203.0	1297.0
150°	1139.6	1182.0	1253.2	1343.1
152.5°	1181.6	1225.4	1296.6	1387.9
155°	1246.4	1295.6	1370.2	1448.2
157.5°	1312.6	1362.8	1434.0	1502.2
160°	1353.3	1407.5	1472.0	1534.7
162.5°	1399.4	1449.6	1505.9	1561.8
165°	1466.9	1507.6	1553.4	1600.9
167.5°	1523.5	1557.4	1593.4	1630.4
170°	1560.2	1587.3	1617.8	1646.6
172.5°	1591.4	1613.1	1635.4	1660.2
175°	1633.1	1644.9	1658.5	1673.8
177.5°	1665.3	1669.4	1673.4	1680.2
180°	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428642  
 CATALOG NUMBER: SQ2W-WBN-K-125U-100D-L935-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	2.56	3.24	3.59	4.24	5.56	2.18	2.86	3.21	3.86	5.18
	3H	3.79	4.39	4.82	5.40	6.74	3.39	3.99	4.42	5.00	6.35
	4H	4.30	4.87	5.35	5.88	7.24	3.91	4.47	4.95	5.48	6.84
	6H	4.66	5.17	5.70	6.19	7.56	4.24	4.75	5.29	5.77	7.14
	8H	4.80	5.29	5.85	6.32	7.68	4.38	4.87	5.43	5.90	7.26
	12H	4.89	5.36	5.95	6.38	7.76	4.45	4.91	5.50	5.94	7.32
4H	2H	2.88	3.45	3.93	4.46	5.81	2.57	3.13	3.61	4.14	5.50
	3H	4.38	4.84	5.43	5.88	7.25	4.03	4.50	5.08	5.54	6.90
	4H	5.02	5.45	6.08	6.48	7.87	4.67	5.09	5.72	6.13	7.51
	6H	5.51	5.87	6.57	6.93	8.32	5.12	5.49	6.19	6.54	7.93
	8H	5.72	6.06	6.78	7.11	8.51	5.32	5.66	6.38	6.71	8.10
	12H	5.86	6.16	6.94	7.22	8.62	5.43	5.73	6.51	6.79	8.19
8H	4H	5.18	5.52	6.24	6.57	7.97	4.86	5.20	5.93	6.25	7.65
	6H	5.82	6.09	6.90	7.19	8.58	5.46	5.74	6.55	6.83	8.22
	8H	6.14	6.38	7.23	7.45	8.87	5.75	5.99	6.85	7.07	8.49
	12H	6.36	6.58	7.46	7.64	9.10	5.95	6.16	7.05	7.23	8.69
12H	4H	5.16	5.46	6.24	6.52	7.93	4.85	5.16	5.93	6.22	7.62
	6H	5.85	6.09	6.95	7.17	8.58	5.51	5.75	6.60	6.83	8.24
	8H	6.20	6.41	7.29	7.48	8.94	5.83	6.05	6.93	7.11	8.57