

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: P1427632

Luminaire Tested: SQ2W-BBN-K-125U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427632  
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-075D-L940-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 750 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

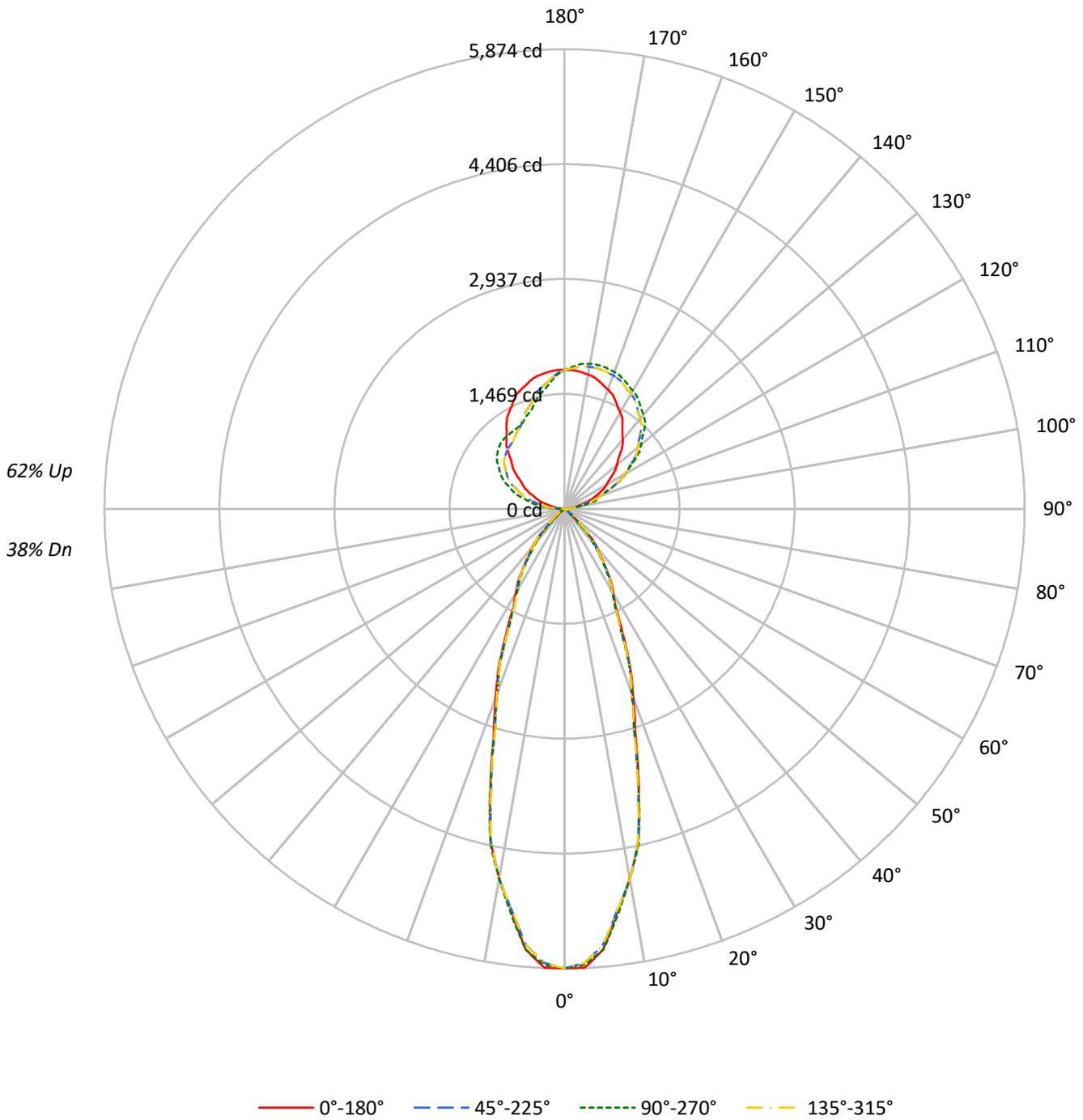
Lumens per Lamp: N/A  
Luminaire Lumens: 8367.6 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 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: P1427632

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L940-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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	97	93	90	87	88	85	83	80	70	68	67	56	55	54	43	42	42	36
2	90	84	79	75	82	77	73	69	64	61	59	52	50	48	40	39	38	33
3	84	76	70	65	76	70	65	61	58	55	52	48	46	44	38	37	36	31
4	78	69	63	58	71	64	58	54	54	50	47	44	42	40	36	34	33	29
5	73	63	56	51	67	58	53	48	50	46	42	41	39	37	34	32	31	28
6	68	58	51	46	62	54	48	44	46	42	39	39	36	34	32	30	29	26
7	64	53	47	42	59	50	44	40	43	39	35	36	33	31	30	28	27	24
8	60	49	43	38	55	46	40	37	40	36	33	34	31	29	29	27	25	23
9	56	46	40	35	52	43	37	34	37	33	30	32	29	27	27	25	24	22
10	53	43	37	33	49	40	35	31	35	31	28	30	28	25	26	24	23	21

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

	0°	90°	180°	270°
0°	94841	94841	94841	94841
5°	91668	91720	91668	91720
10°	78670	78670	78670	78670
15°	61064	60922	61064	60922
20°	44069	43124	44069	43124
25°	31249	30060	31249	30060
30°	23248	22439	23248	22439
35°	18090	17254	18090	17254
40°	13386	12226	13386	12226
45°	6841	5512	6841	5512
50°	1489	1090	1489	1090
55°	417	327	417	327
60°	68	36	68	36
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: 40°  
 Vertical Angle: 45°  
 Luminance: 8343 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	507.9	6.1
10°-20°	1001.4	12.0
20°-30°	807.8	9.7
30°-40°	561.2	6.7
40°-50°	259.2	3.1
50°-60°	36.3	0.4
60°-70°	1.2	0.0
70°-80°	0.0	0.0
80°-90°	9.4	0.1
90°-100°	141.3	1.7
100°-110°	412.2	4.9
110°-120°	672.6	8.0
120°-130°	853.5	10.2
130°-140°	913.3	10.9
140°-150°	852.8	10.2
150°-160°	701.7	8.4
160°-170°	470.6	5.6
170°-180°	167.1	2.0
0°-30°	2317.2	27.7
0°-40°	2878.4	34.4
0°-60°	3173.9	37.9
0°-90°	3184.6	38.1
90°-120°	1226.1	14.7
90°-150°	3845.7	46.0
90°-180°	5185.0	62.0
0°-180°	8367.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5874	5874	5874	5874	5874	
5°	5656	5659	5656	5659	5656	508
15°	3653	3645	3653	3645	3653	1006
25°	1754	1687	1754	1687	1754	821
35°	918	875	918	875	918	574
45°	300	241	300	241	300	242
55°	15	12	15	12	15	19
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	5	40	5	77	5	4
95°	56	41	56	242	56	67
105°	262	420	262	578	262	279
115°	502	696	502	857	502	495
125°	743	1103	743	1051	743	664
135°	1010	1444	1010	1164	1010	780
145°	1290	1665	1290	1189	1290	807
155°	1532	1808	1532	1234	1532	704
165°	1693	1885	1693	1421	1693	477
175°	1770	1846	1770	1666	1770	168
180°	1776	1776	1776	1776	1776	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1
2.5°	5870.7	5860.9	5851.1	5831.7	5809.1	5808.2	5828.9	5842.8	5836.4	5830.0	5836.4
5°	5656.0	5642.3	5628.7	5612.2	5594.8	5601.4	5632.0	5655.4	5657.3	5659.2	5657.3
7.5°	5182.2	5186.6	5191.0	5179.7	5163.1	5171.8	5205.7	5230.2	5226.5	5222.8	5226.5
10°	4798.5	4801.8	4805.1	4804.5	4802.7	4807.4	4818.6	4823.9	4811.2	4798.5	4811.2
12.5°	4353.9	4367.0	4380.1	4365.0	4340.5	4336.8	4353.7	4367.8	4373.1	4378.5	4373.1
15°	3653.2	3674.3	3695.5	3665.5	3618.5	3606.2	3628.8	3645.6	3645.2	3644.7	3645.2
17.5°	2996.0	2993.8	2991.7	2973.1	2949.1	2939.2	2943.5	2946.3	2944.9	2943.5	2944.9
20°	2564.9	2561.6	2558.3	2542.4	2522.1	2510.4	2507.1	2505.2	2507.5	2509.9	2507.5
22.5°	2195.7	2190.2	2184.6	2177.9	2170.9	2163.2	2155.1	2149.7	2152.8	2155.9	2152.8
25°	1754.1	1736.2	1718.3	1704.0	1690.8	1689.8	1701.1	1707.1	1697.3	1687.4	1697.3
27.5°	1407.9	1407.6	1407.3	1398.9	1387.7	1382.7	1383.9	1385.3	1387.2	1389.1	1387.2
30°	1247.0	1243.7	1240.4	1231.5	1220.7	1215.5	1216.0	1214.9	1209.2	1203.6	1209.2
32.5°	1103.9	1106.2	1108.6	1099.1	1085.6	1077.6	1075.1	1071.8	1066.1	1060.5	1066.1
35°	917.8	917.8	917.8	910.0	899.7	891.0	883.9	878.3	876.9	875.4	876.9
37.5°	745.2	744.4	743.5	737.8	730.5	721.8	711.9	703.5	699.8	696.1	699.8
40°	635.1	632.8	630.4	626.3	621.6	613.2	600.9	590.5	585.3	580.1	585.3
42.5°	509.8	516.1	522.4	520.5	515.8	507.3	495.1	483.9	476.1	468.3	476.1
45°	299.6	325.9	352.3	361.7	365.4	360.3	346.2	325.1	283.2	241.4	283.2
47.5°	128.7	157.7	186.7	211.0	233.8	226.6	189.4	152.8	118.0	83.2	118.0
50°	59.3	81.9	104.4	134.8	167.7	160.9	114.3	75.4	59.4	43.4	59.4
52.5°	34.7	46.0	57.3	85.7	119.7	116.7	76.5	44.2	35.8	27.3	35.8
55°	14.8	18.6	22.3	37.8	57.0	56.1	34.9	18.2	14.9	11.6	14.9
57.5°	5.5	7.6	9.6	15.2	21.9	21.4	13.9	7.8	6.1	4.4	6.1
60°	2.1	3.1	4.0	6.7	10.0	9.8	6.0	2.9	2.0	1.1	2.0
62.5°	0.4	1.0	1.6	3.0	4.8	4.8	2.9	1.3	0.8	0.2	0.8
65°	0.0	0.0	0.0	0.4	0.8	0.8	0.4	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°	1.1	2.5	4.3	5.7	6.8	7.2	7.2	7.5	7.9	7.9	7.9
90°	5.4	12.6	21.5	28.7	34.1	35.9	35.9	37.7	39.5	39.5	39.5
92.5°	19.7	31.2	31.6	31.6	38.4	41.6	44.5	44.8	46.6	46.6	46.6
95°	55.6	61.0	91.5	89.7	61.0	48.4	41.3	41.3	41.3	41.3	41.3
97.5°	106.2	114.1	119.1	159.6	168.6	162.9	132.7	111.6	99.7	94.4	99.7
100°	150.7	154.3	165.0	166.8	211.7	254.7	233.2	206.3	197.3	191.9	197.3
102.5°	195.2	197.3	213.8	221.4	231.8	256.2	330.8	322.5	316.4	315.3	316.4
105°	261.9	263.7	294.2	308.5	315.7	315.7	313.9	349.8	407.2	419.7	407.2
107.5°	333.3	341.5	377.4	415.8	424.0	426.2	416.9	411.5	409.3	410.8	409.3
110°	382.1	394.6	437.7	486.1	498.7	502.3	498.7	493.3	489.7	489.7	489.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	429.4	447.7	496.5	552.1	573.3	584.1	576.2	572.2	568.6	571.5	568.6
115°	502.3	529.2	593.7	651.1	694.2	699.6	697.8	697.8	696.0	696.0	696.0
117.5°	569.7	612.8	685.2	752.0	801.8	816.2	823.3	821.2	819.0	822.6	819.0
120°	617.1	667.3	749.8	825.1	873.6	895.1	902.3	898.7	902.3	898.7	902.3
122.5°	667.3	729.0	810.1	888.3	945.3	969.7	978.3	979.0	979.8	977.6	979.8
125°	742.6	818.0	913.0	993.8	1052.9	1081.6	1088.8	1090.6	1094.2	1103.2	1094.2
127.5°	818.7	904.1	1008.5	1086.3	1146.9	1181.7	1192.9	1196.8	1204.3	1208.3	1204.3
130°	871.8	968.6	1074.5	1148.0	1207.2	1244.9	1264.6	1270.0	1279.0	1277.2	1279.0
132.5°	927.7	1028.9	1136.2	1212.6	1267.5	1308.0	1324.9	1340.3	1343.5	1346.1	1343.5
135°	1009.9	1119.3	1226.9	1302.3	1354.3	1393.8	1415.3	1429.6	1438.6	1444.0	1438.6
137.5°	1096.4	1211.9	1315.2	1382.3	1434.7	1468.7	1493.1	1508.2	1517.5	1521.8	1517.5
140°	1155.2	1266.4	1366.9	1436.8	1483.5	1517.5	1539.1	1557.0	1567.8	1567.8	1567.8
142.5°	1211.2	1320.9	1418.5	1488.5	1529.4	1560.6	1583.5	1597.2	1609.4	1609.4	1609.4
145°	1289.7	1399.1	1488.8	1558.8	1592.9	1621.6	1646.7	1657.5	1664.6	1664.6	1664.6
147.5°	1371.9	1468.7	1550.5	1617.6	1646.3	1680.1	1699.8	1708.4	1717.4	1713.4	1717.4
150°	1420.7	1510.4	1589.3	1652.1	1680.8	1713.1	1732.8	1740.0	1748.9	1743.6	1748.9
152.5°	1468.0	1553.4	1625.2	1683.6	1708.0	1740.3	1762.9	1770.1	1776.2	1772.3	1776.2
155°	1531.9	1607.2	1673.6	1727.4	1748.9	1779.4	1801.0	1809.9	1817.1	1808.1	1817.1
157.5°	1588.9	1653.9	1711.6	1761.1	1784.1	1810.3	1830.4	1841.5	1848.7	1844.7	1848.7
160°	1623.4	1682.6	1734.6	1781.2	1802.7	1826.1	1847.6	1860.1	1867.3	1861.9	1867.3
162.5°	1652.1	1705.5	1754.7	1797.0	1815.7	1836.1	1861.9	1873.1	1880.2	1873.4	1880.2
165°	1693.3	1736.4	1779.4	1815.3	1831.4	1847.6	1874.5	1887.1	1892.4	1885.3	1892.4
167.5°	1724.5	1757.5	1792.3	1823.2	1835.0	1850.8	1877.7	1888.1	1894.9	1886.0	1894.9
170°	1741.8	1770.5	1801.0	1826.1	1835.0	1849.4	1876.3	1885.3	1890.6	1881.7	1890.6
172.5°	1756.1	1777.6	1802.4	1824.6	1829.3	1840.8	1866.2	1875.2	1879.2	1871.6	1879.2
175°	1770.5	1783.0	1801.0	1815.3	1813.5	1820.7	1842.2	1849.4	1856.6	1845.8	1856.6
177.5°	1777.3	1783.0	1788.8	1797.4	1791.6	1791.6	1807.4	1811.7	1813.2	1807.4	1813.2
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1
2.5°	5842.8	5828.9	5808.2	5809.1	5831.7	5851.1	5860.9	5870.7	5860.9	5851.1	5831.7
5°	5655.4	5632.0	5601.4	5594.8	5612.2	5628.7	5642.3	5656.0	5642.3	5628.7	5612.2
7.5°	5230.2	5205.7	5171.8	5163.1	5179.7	5191.0	5186.6	5182.2	5186.6	5191.0	5179.7
10°	4823.9	4818.6	4807.4	4802.7	4804.5	4805.1	4801.8	4798.5	4801.8	4805.1	4804.5
12.5°	4367.8	4353.7	4336.8	4340.5	4365.0	4380.1	4367.0	4353.9	4367.0	4380.1	4365.0
15°	3645.6	3628.8	3606.2	3618.5	3665.5	3695.5	3674.3	3653.2	3674.3	3695.5	3665.5
17.5°	2946.3	2943.5	2939.2	2949.1	2973.1	2991.7	2993.8	2996.0	2993.8	2991.7	2973.1
20°	2505.2	2507.1	2510.4	2522.1	2542.4	2558.3	2561.6	2564.9	2561.6	2558.3	2542.4
22.5°	2149.7	2155.1	2163.2	2170.9	2177.9	2184.6	2190.2	2195.7	2190.2	2184.6	2177.9
25°	1707.1	1701.1	1689.8	1690.8	1704.0	1718.3	1736.2	1754.1	1736.2	1718.3	1704.0
27.5°	1385.3	1383.9	1382.7	1387.7	1398.9	1407.3	1407.6	1407.9	1407.6	1407.3	1398.9
30°	1214.9	1216.0	1215.5	1220.7	1231.5	1240.4	1243.7	1247.0	1243.7	1240.4	1231.5
32.5°	1071.8	1075.1	1077.6	1085.6	1099.1	1108.6	1106.2	1103.9	1106.2	1108.6	1099.1
35°	878.3	883.9	891.0	899.7	910.0	917.8	917.8	917.8	917.8	917.8	910.0
37.5°	703.5	711.9	721.8	730.5	737.8	743.5	744.4	745.2	744.4	743.5	737.8
40°	590.5	600.9	613.2	621.6	626.3	630.4	632.8	635.1	632.8	630.4	626.3
42.5°	483.9	495.1	507.3	515.8	520.5	522.4	516.1	509.8	516.1	522.4	520.5
45°	325.1	346.2	360.3	365.4	361.7	352.3	325.9	299.6	325.9	352.3	361.7
47.5°	152.8	189.4	226.6	233.8	211.0	186.7	157.7	128.7	157.7	186.7	211.0
50°	75.4	114.3	160.9	167.7	134.8	104.4	81.9	59.3	81.9	104.4	134.8
52.5°	44.2	76.5	116.7	119.7	85.7	57.3	46.0	34.7	46.0	57.3	85.7
55°	18.2	34.9	56.1	57.0	37.8	22.3	18.6	14.8	18.6	22.3	37.8
57.5°	7.8	13.9	21.4	21.9	15.2	9.6	7.6	5.5	7.6	9.6	15.2
60°	2.9	6.0	9.8	10.0	6.7	4.0	3.1	2.1	3.1	4.0	6.7
62.5°	1.3	2.9	4.8	4.8	3.0	1.6	1.0	0.4	1.0	1.6	3.0
65°	0.0	0.4	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.4
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	7.2	7.2	6.8	5.7	4.3	2.5	1.1	2.5	3.9	6.5
90°	37.7	35.9	35.9	34.1	28.7	21.5	12.6	5.4	12.6	19.7	32.3
92.5°	44.8	44.5	41.6	38.4	31.6	31.6	31.2	19.7	34.1	48.4	69.6
95°	41.3	41.3	48.4	61.0	89.7	91.5	61.0	55.6	78.9	111.2	139.9
97.5°	111.6	132.7	162.9	168.6	159.6	119.1	114.1	106.2	144.6	176.5	222.8
100°	206.3	233.2	254.7	211.7	166.8	165.0	154.3	150.7	191.9	222.4	267.3
102.5°	322.5	330.8	256.2	231.8	221.4	213.8	197.3	195.2	236.4	278.4	316.1
105°	349.8	313.9	315.7	315.7	308.5	294.2	263.7	261.9	308.5	357.0	403.6
107.5°	411.5	416.9	426.2	424.0	415.8	377.4	341.5	333.3	375.3	433.4	484.7
110°	493.3	498.7	502.3	498.7	486.1	437.7	394.6	382.1	419.7	480.7	536.3



TEST NUMBER: P1427632

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	572.2	576.2	584.1	573.3	552.1	496.5	447.7	429.4	467.1	529.5	586.6
115°	697.8	697.8	699.6	694.2	651.1	593.7	529.2	502.3	534.5	591.9	654.7
117.5°	821.2	823.3	816.2	801.8	752.0	685.2	612.8	569.7	595.2	655.8	720.4
120°	898.7	902.3	895.1	873.6	825.1	749.8	667.3	617.1	636.8	696.0	760.6
122.5°	979.0	978.3	969.7	945.3	888.3	810.1	729.0	667.3	675.5	730.4	793.6
125°	1090.6	1088.8	1081.6	1052.9	993.8	913.0	818.0	742.6	731.9	778.5	843.1
127.5°	1196.8	1192.9	1181.7	1146.9	1086.3	1008.5	904.1	818.7	794.6	824.1	883.3
130°	1270.0	1264.6	1244.9	1207.2	1148.0	1074.5	968.6	871.8	837.7	855.6	907.7
132.5°	1340.3	1324.9	1308.0	1267.5	1212.6	1136.2	1028.9	927.7	880.7	888.6	929.2
135°	1429.6	1415.3	1393.8	1354.3	1302.3	1226.9	1119.3	1009.9	945.3	938.1	961.5
137.5°	1508.2	1493.1	1468.7	1434.7	1382.3	1315.2	1211.9	1096.4	1014.9	990.9	999.9
140°	1557.0	1539.1	1517.5	1483.5	1436.8	1366.9	1266.4	1155.2	1063.7	1029.6	1024.2
142.5°	1597.2	1583.5	1560.6	1529.4	1488.5	1418.5	1320.9	1211.2	1113.9	1069.8	1057.3
145°	1657.5	1646.7	1621.6	1592.9	1558.8	1488.8	1399.1	1289.7	1192.9	1135.5	1108.6
147.5°	1708.4	1699.8	1680.1	1646.3	1617.6	1550.5	1468.7	1371.9	1272.5	1201.5	1166.7
150°	1740.0	1732.8	1713.1	1680.8	1652.1	1589.3	1510.4	1420.7	1325.6	1250.3	1205.4
152.5°	1770.1	1762.9	1740.3	1708.0	1683.6	1625.2	1553.4	1468.0	1371.5	1296.2	1249.9
155°	1809.9	1801.0	1779.4	1748.9	1727.4	1673.6	1607.2	1531.9	1449.4	1370.4	1318.4
157.5°	1841.5	1830.4	1810.3	1784.1	1761.1	1711.6	1653.9	1588.9	1516.8	1441.5	1388.4
160°	1860.1	1847.6	1826.1	1802.7	1781.2	1734.6	1682.6	1623.4	1557.0	1488.8	1431.4
162.5°	1873.1	1861.9	1836.1	1815.7	1797.0	1754.7	1705.5	1652.1	1592.9	1533.3	1480.2
165°	1887.1	1874.5	1847.6	1831.4	1815.3	1779.4	1736.4	1693.3	1643.1	1594.7	1551.6
167.5°	1888.1	1877.7	1850.8	1835.0	1823.2	1792.3	1757.5	1724.5	1685.4	1647.4	1611.5
170°	1885.3	1876.3	1849.4	1835.0	1826.1	1801.0	1770.5	1741.8	1711.3	1679.0	1650.3
172.5°	1875.2	1866.2	1840.8	1829.3	1824.6	1802.4	1777.6	1756.1	1729.9	1706.2	1683.3
175°	1849.4	1842.2	1820.7	1813.5	1815.3	1801.0	1783.0	1770.5	1754.3	1740.0	1727.4
177.5°	1811.7	1807.4	1791.6	1791.6	1797.4	1788.8	1783.0	1777.3	1770.1	1765.8	1761.5
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427632

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1
2.5°	5809.1	5808.2	5828.9	5842.8	5836.4	5830.0	5836.4	5842.8	5828.9	5808.2	5809.1
5°	5594.8	5601.4	5632.0	5655.4	5657.3	5659.2	5657.3	5655.4	5632.0	5601.4	5594.8
7.5°	5163.1	5171.8	5205.7	5230.2	5226.5	5222.8	5226.5	5230.2	5205.7	5171.8	5163.1
10°	4802.7	4807.4	4818.6	4823.9	4811.2	4798.5	4811.2	4823.9	4818.6	4807.4	4802.7
12.5°	4340.5	4336.8	4353.7	4367.8	4373.1	4378.5	4373.1	4367.8	4353.7	4336.8	4340.5
15°	3618.5	3606.2	3628.8	3645.6	3645.2	3644.7	3645.2	3645.6	3628.8	3606.2	3618.5
17.5°	2949.1	2939.2	2943.5	2946.3	2944.9	2943.5	2944.9	2946.3	2943.5	2939.2	2949.1
20°	2522.1	2510.4	2507.1	2505.2	2507.5	2509.9	2507.5	2505.2	2507.1	2510.4	2522.1
22.5°	2170.9	2163.2	2155.1	2149.7	2152.8	2155.9	2152.8	2149.7	2155.1	2163.2	2170.9
25°	1690.8	1689.8	1701.1	1707.1	1697.3	1687.4	1697.3	1707.1	1701.1	1689.8	1690.8
27.5°	1387.7	1382.7	1383.9	1385.3	1387.2	1389.1	1387.2	1385.3	1383.9	1382.7	1387.7
30°	1220.7	1215.5	1216.0	1214.9	1209.2	1203.6	1209.2	1214.9	1216.0	1215.5	1220.7
32.5°	1085.6	1077.6	1075.1	1071.8	1066.1	1060.5	1066.1	1071.8	1075.1	1077.6	1085.6
35°	899.7	891.0	883.9	878.3	876.9	875.4	876.9	878.3	883.9	891.0	899.7
37.5°	730.5	721.8	711.9	703.5	699.8	696.1	699.8	703.5	711.9	721.8	730.5
40°	621.6	613.2	600.9	590.5	585.3	580.1	585.3	590.5	600.9	613.2	621.6
42.5°	515.8	507.3	495.1	483.9	476.1	468.3	476.1	483.9	495.1	507.3	515.8
45°	365.4	360.3	346.2	325.1	283.2	241.4	283.2	325.1	346.2	360.3	365.4
47.5°	233.8	226.6	189.4	152.8	118.0	83.2	118.0	152.8	189.4	226.6	233.8
50°	167.7	160.9	114.3	75.4	59.4	43.4	59.4	75.4	114.3	160.9	167.7
52.5°	119.7	116.7	76.5	44.2	35.8	27.3	35.8	44.2	76.5	116.7	119.7
55°	57.0	56.1	34.9	18.2	14.9	11.6	14.9	18.2	34.9	56.1	57.0
57.5°	21.9	21.4	13.9	7.8	6.1	4.4	6.1	7.8	13.9	21.4	21.9
60°	10.0	9.8	6.0	2.9	2.0	1.1	2.0	2.9	6.0	9.8	10.0
62.5°	4.8	4.8	2.9	1.3	0.8	0.2	0.8	1.3	2.9	4.8	4.8
65°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.8
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°	8.3	10.8	13.3	14.7	16.1	15.4	16.1	14.7	13.3	10.8	8.3
90°	41.3	53.8	66.4	73.5	80.7	77.1	80.7	73.5	66.4	53.8	41.3
92.5°	82.9	104.0	119.5	132.4	138.1	137.4	138.1	132.4	119.5	104.0	82.9
95°	166.8	191.9	217.0	235.0	245.7	242.2	245.7	235.0	217.0	191.9	166.8
97.5°	257.2	291.0	318.9	335.8	346.6	353.7	346.6	335.8	318.9	291.0	257.2
100°	317.5	349.8	382.1	401.8	419.7	426.9	419.7	401.8	382.1	349.8	317.5
102.5°	366.3	408.6	443.8	464.9	480.0	487.2	480.0	464.9	443.8	408.6	366.3
105°	446.7	491.5	529.2	556.1	572.2	577.6	572.2	556.1	529.2	491.5	446.7
107.5°	527.0	573.3	608.1	637.9	657.6	669.1	657.6	608.1	573.3	527.0	527.0
110°	590.2	627.8	665.5	692.4	712.1	719.3	712.1	692.4	665.5	627.8	590.2



TEST NUMBER: P1427632

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	643.2	685.2	722.9	749.8	772.4	782.4	772.4	749.8	722.9	685.2	643.2
115°	717.5	773.1	807.2	832.3	848.5	857.4	848.5	832.3	807.2	773.1	717.5
117.5°	779.2	837.3	874.6	894.0	901.6	908.0	901.6	894.0	874.6	837.3	779.2
120°	818.0	871.8	914.8	939.9	948.9	952.5	948.9	939.9	914.8	871.8	818.0
122.5°	853.8	904.8	946.4	977.3	992.0	995.5	992.0	977.3	946.4	904.8	853.8
125°	904.1	952.5	995.5	1026.0	1042.2	1051.2	1042.2	1026.0	995.5	952.5	904.1
127.5°	947.8	1000.2	1039.7	1067.3	1083.1	1090.3	1083.1	1067.3	1039.7	1000.2	947.8
130°	972.2	1026.0	1065.5	1096.0	1110.3	1117.5	1110.3	1096.0	1065.5	1026.0	972.2
132.5°	990.9	1047.6	1088.5	1116.1	1131.9	1139.0	1131.9	1116.1	1088.5	1047.6	990.9
135°	1013.5	1072.7	1115.7	1142.6	1157.0	1164.2	1157.0	1142.6	1115.7	1072.7	1013.5
137.5°	1033.2	1087.0	1131.9	1160.2	1173.1	1177.8	1173.1	1160.2	1131.9	1087.0	1033.2
140°	1047.6	1094.2	1139.0	1166.0	1180.3	1182.1	1180.3	1166.0	1139.0	1094.2	1047.6
142.5°	1066.2	1102.8	1141.9	1168.8	1183.2	1186.4	1183.2	1168.8	1141.9	1102.8	1066.2
145°	1099.6	1121.1	1148.0	1173.1	1185.7	1189.3	1185.7	1173.1	1148.0	1121.1	1099.6
147.5°	1141.6	1148.4	1162.4	1178.9	1191.1	1193.6	1191.1	1178.9	1162.4	1148.4	1141.6
150°	1173.1	1171.3	1176.7	1187.5	1198.2	1196.5	1198.2	1187.5	1176.7	1171.3	1173.1
152.5°	1209.0	1198.6	1198.2	1203.3	1208.3	1207.9	1208.3	1203.3	1198.2	1198.6	1209.0
155°	1270.0	1250.3	1239.5	1235.9	1235.9	1234.1	1235.9	1235.9	1239.5	1250.3	1270.0
157.5°	1337.1	1309.5	1293.3	1284.7	1282.2	1278.2	1282.2	1284.7	1293.3	1309.5	1337.1
160°	1383.0	1352.5	1336.4	1322.0	1316.6	1311.3	1316.6	1322.0	1336.4	1352.5	1383.0
162.5°	1426.1	1397.0	1379.4	1366.5	1361.1	1352.9	1361.1	1366.5	1379.4	1397.0	1426.1
165°	1496.0	1465.5	1445.8	1435.0	1427.8	1420.7	1427.8	1435.0	1445.8	1465.5	1496.0
167.5°	1566.0	1532.6	1519.7	1507.5	1500.7	1487.8	1500.7	1507.5	1519.7	1532.6	1566.0
170°	1609.0	1578.5	1571.4	1560.6	1548.0	1533.7	1548.0	1560.6	1571.4	1578.5	1609.0
172.5°	1646.3	1625.9	1618.7	1607.9	1604.0	1592.5	1604.0	1607.9	1618.7	1625.9	1646.3
175°	1700.5	1684.4	1684.4	1682.6	1677.2	1666.4	1677.2	1682.6	1684.4	1684.4	1700.5
177.5°	1745.7	1737.1	1742.8	1742.8	1741.4	1731.4	1741.4	1742.8	1742.8	1737.1	1745.7
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427632

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	5874.1	5874.1	5874.1	5874.1
2.5°	5831.7	5851.1	5860.9	5870.7
5°	5612.2	5628.7	5642.3	5656.0
7.5°	5179.7	5191.0	5186.6	5182.2
10°	4804.5	4805.1	4801.8	4798.5
12.5°	4365.0	4380.1	4367.0	4353.9
15°	3665.5	3695.5	3674.3	3653.2
17.5°	2973.1	2991.7	2993.8	2996.0
20°	2542.4	2558.3	2561.6	2564.9
22.5°	2177.9	2184.6	2190.2	2195.7
25°	1704.0	1718.3	1736.2	1754.1
27.5°	1398.9	1407.3	1407.6	1407.9
30°	1231.5	1240.4	1243.7	1247.0
32.5°	1099.1	1108.6	1106.2	1103.9
35°	910.0	917.8	917.8	917.8
37.5°	737.8	743.5	744.4	745.2
40°	626.3	630.4	632.8	635.1
42.5°	520.5	522.4	516.1	509.8
45°	361.7	352.3	325.9	299.6
47.5°	211.0	186.7	157.7	128.7
50°	134.8	104.4	81.9	59.3
52.5°	85.7	57.3	46.0	34.7
55°	37.8	22.3	18.6	14.8
57.5°	15.2	9.6	7.6	5.5
60°	6.7	4.0	3.1	2.1
62.5°	3.0	1.6	1.0	0.4
65°	0.4	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°	6.5	3.9	2.5	1.1
90°	32.3	19.7	12.6	5.4
92.5°	69.6	48.4	34.1	19.7
95°	139.9	111.2	78.9	55.6
97.5°	222.8	176.5	144.6	106.2
100°	267.3	222.4	191.9	150.7
102.5°	316.1	278.4	236.4	195.2
105°	403.6	357.0	308.5	261.9
107.5°	484.7	433.4	375.3	333.3
110°	536.3	480.7	419.7	382.1



TEST NUMBER: P1427632

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	586.6	529.5	467.1	429.4
115°	654.7	591.9	534.5	502.3
117.5°	720.4	655.8	595.2	569.7
120°	760.6	696.0	636.8	617.1
122.5°	793.6	730.4	675.5	667.3
125°	843.1	778.5	731.9	742.6
127.5°	883.3	824.1	794.6	818.7
130°	907.7	855.6	837.7	871.8
132.5°	929.2	888.6	880.7	927.7
135°	961.5	938.1	945.3	1009.9
137.5°	999.9	990.9	1014.9	1096.4
140°	1024.2	1029.6	1063.7	1155.2
142.5°	1057.3	1069.8	1113.9	1211.2
145°	1108.6	1135.5	1192.9	1289.7
147.5°	1166.7	1201.5	1272.5	1371.9
150°	1205.4	1250.3	1325.6	1420.7
152.5°	1249.9	1296.2	1371.5	1468.0
155°	1318.4	1370.4	1449.4	1531.9
157.5°	1388.4	1441.5	1516.8	1588.9
160°	1431.4	1488.8	1557.0	1623.4
162.5°	1480.2	1533.3	1592.9	1652.1
165°	1551.6	1594.7	1643.1	1693.3
167.5°	1611.5	1647.4	1685.4	1724.5
170°	1650.3	1679.0	1711.3	1741.8
172.5°	1683.3	1706.2	1729.9	1756.1
175°	1727.4	1740.0	1754.3	1770.5
177.5°	1761.5	1765.8	1770.1	1777.3
180°	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427632  
 CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L940-UNV-STD-W-WM-4

**CIE UGR TABLE:**

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