

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: P1436008

Luminaire Tested: SQ2W-FB-K-125U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1436008  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-FB-K-125U-050D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

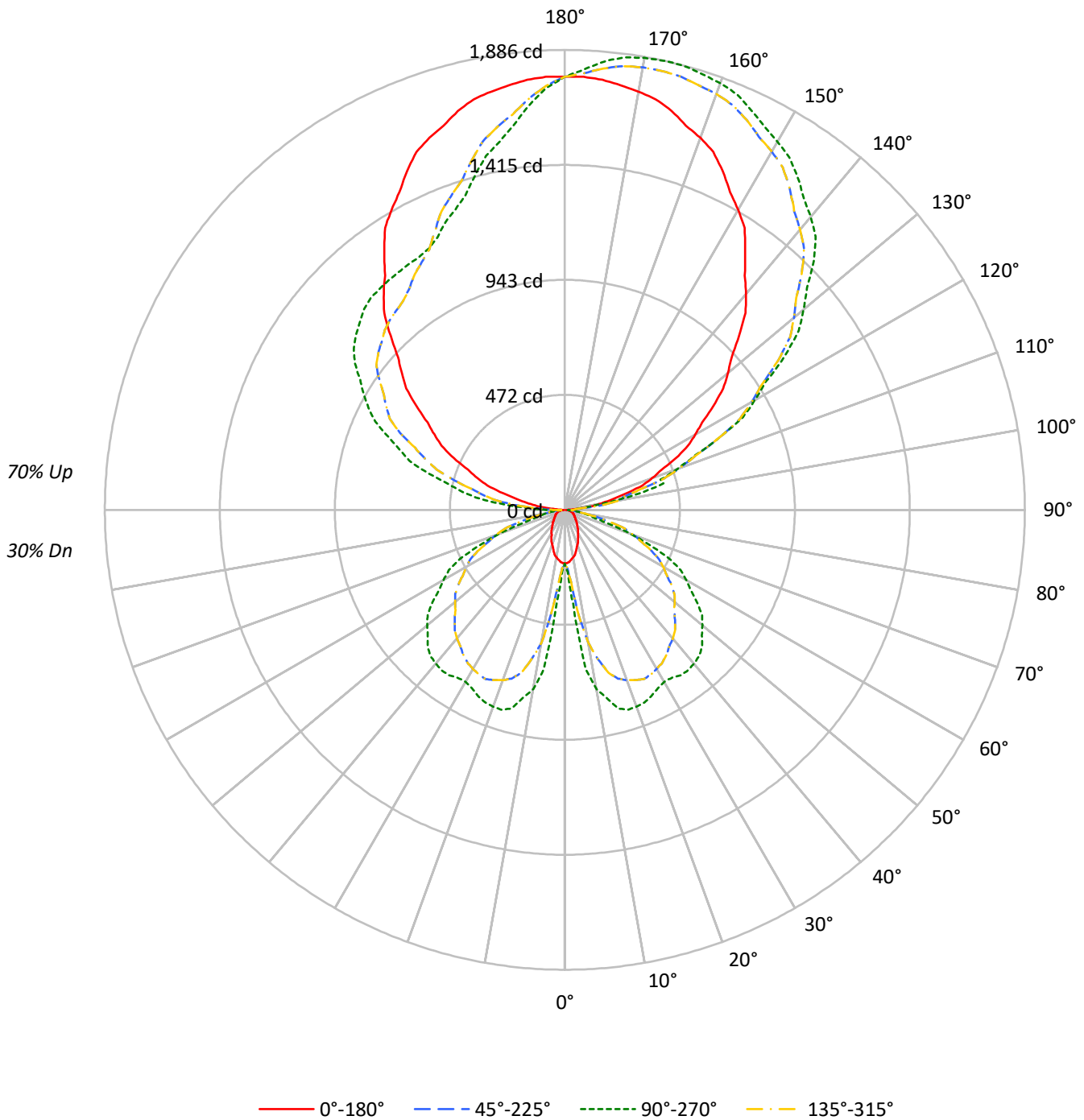
Lumens per Lamp: N/A  
Luminaire Lumens: 7365.5 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 61.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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-FB-K-125U-050D-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	50	30	10	0	
RCR																						
0	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37	30				
1	93	89	85	82	83	80	77	74	63	61	59	47	46	45	33	32	31	25				
2	85	77	71	66	75	69	64	60	55	51	48	41	39	37	29	27	26	20				
3	77	68	60	55	69	61	55	50	48	44	40	36	33	31	25	23	22	17				
4	70	59	52	46	62	54	47	42	42	38	34	32	29	26	22	20	18	14				
5	64	53	45	39	57	47	41	35	38	33	29	28	25	22	20	18	16	12				
6	59	47	39	33	52	42	35	30	34	28	25	25	22	19	18	15	14	10				
7	54	42	34	29	48	38	31	26	30	25	21	23	19	17	16	14	12	9				
8	50	38	30	25	45	34	28	23	27	22	19	21	17	15	15	12	11	8				
9	46	34	27	22	41	31	25	20	25	20	17	19	15	13	13	11	9	7				
10	43	31	24	20	39	28	22	18	23	18	15	17	14	12	12	10	8	6				

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

	0°	90°	180°	270°
0°	3552	3552	3552	3552
5°	3463	6292	3463	6292
10°	3243	12244	3243	12244
15°	2935	14091	2935	14091
20°	2600	14757	2600	14757
25°	2298	15000	2298	15000
30°	2032	15185	2032	15185
35°	1813	16324	1813	16324
40°	1650	17344	1650	17344
45°	1521	18162	1521	18162
50°	1434	18492	1434	18492
55°	1399	18640	1399	18640
60°	1434	18548	1434	18548
65°	1494	18024	1494	18024
70°	1548	13633	1548	13633
75°	1715	7523	1715	7523
80°	1767	6983	1767	6983
85°	1760	2945	1760	2945

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 52.5°  
 Luminance: 18807 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.9	0.5
10°-20°	168.2	2.3
20°-30°	296.0	4.0
30°-40°	383.1	5.2
40°-50°	422.5	5.7
50°-60°	394.3	5.4
60°-70°	304.7	4.1
70°-80°	140.4	1.9
80°-90°	34.2	0.5
90°-100°	141.3	1.9
100°-110°	412.2	5.6
110°-120°	672.6	9.1
120°-130°	853.5	11.6
130°-140°	913.3	12.4
140°-150°	852.8	11.6
150°-160°	701.7	9.5
160°-170°	470.6	6.4
170°-180°	167.1	2.3
0°-30°	501.0	6.8
0°-40°	884.1	12.0
0°-60°	1701.0	23.1
0°-90°	2180.3	29.6
90°-120°	1226.1	16.6
90°-150°	3845.7	52.2
90°-180°	5185.0	70.4
0°-180°	7365.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	220	220	220	220	220	
5°	214	388	214	388	214	20
15°	176	843	176	843	176	49
25°	129	842	129	842	129	59
35°	92	828	92	828	92	58
45°	67	795	67	795	67	52
55°	50	662	50	662	50	45
65°	39	472	39	472	39	38
75°	28	121	28	121	28	28
85°	10	16	10	16	10	10
90°	5	40	5	77	5	5
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°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	218.3	222.5	226.6	231.0	235.5	240.4	245.7	250.2	252.5	254.7	252.5
5°	213.7	227.8	241.9	262.3	284.9	310.5	339.2	363.8	376.0	388.2	376.0
7.5°	205.4	234.1	262.8	323.5	395.0	469.2	546.1	609.9	634.3	658.8	634.3
10°	197.8	237.8	277.7	380.8	504.9	600.3	667.1	720.5	733.6	746.8	733.6
12.5°	189.3	243.6	297.8	425.1	576.7	675.8	722.7	761.2	774.7	788.3	774.7
15°	175.6	253.2	330.7	474.6	640.5	742.6	780.6	813.0	828.0	843.0	828.0
17.5°	161.4	264.7	367.9	514.6	675.9	775.4	813.1	843.4	851.6	859.8	851.6
20°	151.3	272.6	393.8	540.9	696.5	790.5	822.9	848.6	853.7	858.9	853.7
22.5°	142.0	277.5	413.1	560.3	711.4	799.3	823.8	843.6	849.1	854.7	849.1
25°	129.0	281.8	434.6	581.4	726.2	806.4	821.9	834.5	838.2	842.0	838.2
27.5°	116.6	278.0	439.4	584.4	723.8	798.6	808.8	817.3	821.0	824.6	821.0
30°	109.0	273.0	437.1	580.7	717.5	789.7	797.2	804.1	809.3	814.5	809.3
32.5°	102.2	267.0	431.8	573.7	707.8	778.5	785.6	793.8	805.0	816.2	805.0
35°	92.0	254.2	416.4	556.7	689.8	762.0	773.2	786.9	807.6	828.2	807.6
37.5°	83.4	237.8	392.3	531.2	664.9	743.6	767.2	789.9	809.8	829.7	809.8
40°	78.3	226.4	374.5	512.3	646.8	729.7	761.2	789.1	806.0	822.9	806.0
42.5°	73.2	213.4	353.6	490.3	625.9	712.1	748.8	780.6	797.6	814.5	797.6
45°	66.6	192.6	318.6	454.1	592.8	683.8	727.0	763.5	779.5	795.4	779.5
47.5°	60.5	169.9	279.4	415.5	560.5	655.9	701.8	739.1	750.8	762.4	750.8
50°	57.1	154.9	252.7	389.3	538.8	636.1	681.2	717.4	726.8	736.2	726.8
52.5°	53.7	140.2	226.7	363.6	517.2	615.3	657.8	691.8	700.5	709.1	700.5
55°	49.7	120.2	190.8	326.1	483.2	580.2	617.4	647.1	654.6	662.2	654.6
57.5°	46.1	103.0	159.9	291.0	446.9	540.7	572.4	597.7	603.8	609.9	603.8
60°	44.4	93.8	143.2	269.0	420.4	510.4	539.1	562.1	568.3	574.4	568.3
62.5°	41.9	84.9	127.8	247.0	391.6	477.2	503.6	524.8	530.6	536.3	530.6
65°	39.1	73.9	108.7	216.1	347.8	424.6	446.7	464.2	468.0	471.8	468.0
67.5°	35.3	64.9	94.4	187.9	302.7	366.9	380.7	389.2	382.1	375.1	382.1
70°	32.8	60.1	87.3	170.7	272.7	326.0	330.7	329.2	309.0	288.8	309.0
72.5°	31.1	55.4	79.6	151.8	239.9	278.7	268.4	251.1	212.8	174.5	212.8
75°	27.5	47.2	67.0	121.3	187.1	197.5	152.3	118.7	119.6	120.6	119.6
77.5°	22.4	37.2	51.9	85.3	124.9	132.8	108.9	91.2	92.0	92.9	92.0
80°	19.0	30.8	42.5	55.7	69.3	75.7	74.7	74.2	74.6	75.1	74.6
82.5°	15.7	24.4	33.1	41.0	48.7	52.9	53.9	54.4	53.8	53.1	53.8
85°	9.5	14.7	19.9	22.9	25.3	24.6	20.8	17.7	16.8	15.9	16.8
87.5°	4.5	7.8	11.5	12.2	11.8	11.4	11.4	11.8	12.1	12.1	12.1
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°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	250.2	245.7	240.4	235.5	231.0	226.6	222.5	218.3	222.5	226.6	231.0
5°	363.8	339.2	310.5	284.9	262.3	241.9	227.8	213.7	227.8	241.9	262.3
7.5°	609.9	546.1	469.2	395.0	323.5	262.8	234.1	205.4	234.1	262.8	323.5
10°	720.5	667.1	600.3	504.9	380.8	277.7	237.8	197.8	237.8	277.7	380.8
12.5°	761.2	722.7	675.8	576.7	425.1	297.8	243.6	189.3	243.6	297.8	425.1
15°	813.0	780.6	742.6	640.5	474.6	330.7	253.2	175.6	253.2	330.7	474.6
17.5°	843.4	813.1	775.4	675.9	514.6	367.9	264.7	161.4	264.7	367.9	514.6
20°	848.6	822.9	790.5	696.5	540.9	393.8	272.6	151.3	272.6	393.8	540.9
22.5°	843.6	823.8	799.3	711.4	560.3	413.1	277.5	142.0	277.5	413.1	560.3
25°	834.5	821.9	806.4	726.2	581.4	434.6	281.8	129.0	281.8	434.6	581.4
27.5°	817.3	808.8	798.6	723.8	584.4	439.4	278.0	116.6	278.0	439.4	584.4
30°	804.1	797.2	789.7	717.5	580.7	437.1	273.0	109.0	273.0	437.1	580.7
32.5°	793.8	785.6	778.5	707.8	573.7	431.8	267.0	102.2	267.0	431.8	573.7
35°	786.9	773.2	762.0	689.8	556.7	416.4	254.2	92.0	254.2	416.4	556.7
37.5°	789.9	767.2	743.6	664.9	531.2	392.3	237.8	83.4	237.8	392.3	531.2
40°	789.1	761.2	729.7	646.8	512.3	374.5	226.4	78.3	226.4	374.5	512.3
42.5°	780.6	748.8	712.1	625.9	490.3	353.6	213.4	73.2	213.4	353.6	490.3
45°	763.5	727.0	683.8	592.8	454.1	318.6	192.6	66.6	192.6	318.6	454.1
47.5°	739.1	701.8	655.9	560.5	415.5	279.4	169.9	60.5	169.9	279.4	415.5
50°	717.4	681.2	636.1	538.8	389.3	252.7	154.9	57.1	154.9	252.7	389.3
52.5°	691.8	657.8	615.3	517.2	363.6	226.7	140.2	53.7	140.2	226.7	363.6
55°	647.1	617.4	580.2	483.2	326.1	190.8	120.2	49.7	120.2	190.8	326.1
57.5°	597.7	572.4	540.7	446.9	291.0	159.9	103.0	46.1	103.0	159.9	291.0
60°	562.1	539.1	510.4	420.4	269.0	143.2	93.8	44.4	93.8	143.2	269.0
62.5°	524.8	503.6	477.2	391.6	247.0	127.8	84.9	41.9	84.9	127.8	247.0
65°	464.2	446.7	424.6	347.8	216.1	108.7	73.9	39.1	73.9	108.7	216.1
67.5°	389.2	380.7	366.9	302.7	187.9	94.4	64.9	35.3	64.9	94.4	187.9
70°	329.2	330.7	326.0	272.7	170.7	87.3	60.1	32.8	60.1	87.3	170.7
72.5°	251.1	268.4	278.7	239.9	151.8	79.6	55.4	31.1	55.4	79.6	151.8
75°	118.7	152.3	197.5	187.1	121.3	67.0	47.2	27.5	47.2	67.0	121.3
77.5°	91.2	108.9	132.8	124.9	85.3	51.9	37.2	22.4	37.2	51.9	85.3
80°	74.2	74.7	75.7	69.3	55.7	42.5	30.8	19.0	30.8	42.5	55.7
82.5°	54.4	53.9	52.9	48.7	41.0	33.1	24.4	15.7	24.4	33.1	41.0
85°	17.7	20.8	24.6	25.3	22.9	19.9	14.7	9.5	14.7	19.9	22.9
87.5°	11.8	11.4	11.4	11.8	12.2	11.5	7.8	4.5	7.8	11.1	12.9
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: P1436008

CATALOG NUMBER: SQ2W-FB-K-125U-050D-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: P1436008

CATALOG NUMBER: SQ2W-FB-K-125U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	235.5	240.4	245.7	250.2	252.5	254.7	252.5	250.2	245.7	240.4	235.5
5°	284.9	310.5	339.2	363.8	376.0	388.2	376.0	363.8	339.2	310.5	284.9
7.5°	395.0	469.2	546.1	609.9	634.3	658.8	634.3	609.9	546.1	469.2	395.0
10°	504.9	600.3	667.1	720.5	733.6	746.8	733.6	720.5	667.1	600.3	504.9
12.5°	576.7	675.8	722.7	761.2	774.7	788.3	774.7	761.2	722.7	675.8	576.7
15°	640.5	742.6	780.6	813.0	828.0	843.0	828.0	813.0	780.6	742.6	640.5
17.5°	675.9	775.4	813.1	843.4	851.6	859.8	851.6	843.4	813.1	775.4	675.9
20°	696.5	790.5	822.9	848.6	853.7	858.9	853.7	848.6	822.9	790.5	696.5
22.5°	711.4	799.3	823.8	843.6	849.1	854.7	849.1	843.6	823.8	799.3	711.4
25°	726.2	806.4	821.9	834.5	838.2	842.0	838.2	834.5	821.9	806.4	726.2
27.5°	723.8	798.6	808.8	817.3	821.0	824.6	821.0	817.3	808.8	798.6	723.8
30°	717.5	789.7	797.2	804.1	809.3	814.5	809.3	804.1	797.2	789.7	717.5
32.5°	707.8	778.5	785.6	793.8	805.0	816.2	805.0	793.8	785.6	778.5	707.8
35°	689.8	762.0	773.2	786.9	807.6	828.2	807.6	786.9	773.2	762.0	689.8
37.5°	664.9	743.6	767.2	789.9	809.8	829.7	809.8	789.9	767.2	743.6	664.9
40°	646.8	729.7	761.2	789.1	806.0	822.9	806.0	789.1	761.2	729.7	646.8
42.5°	625.9	712.1	748.8	780.6	797.6	814.5	797.6	780.6	748.8	712.1	625.9
45°	592.8	683.8	727.0	763.5	779.5	795.4	779.5	763.5	727.0	683.8	592.8
47.5°	560.5	655.9	701.8	739.1	750.8	762.4	750.8	739.1	701.8	655.9	560.5
50°	538.8	636.1	681.2	717.4	726.8	736.2	726.8	717.4	681.2	636.1	538.8
52.5°	517.2	615.3	657.8	691.8	700.5	709.1	700.5	691.8	657.8	615.3	517.2
55°	483.2	580.2	617.4	647.1	654.6	662.2	654.6	647.1	617.4	580.2	483.2
57.5°	446.9	540.7	572.4	597.7	603.8	609.9	603.8	597.7	572.4	540.7	446.9
60°	420.4	510.4	539.1	562.1	568.3	574.4	568.3	562.1	539.1	510.4	420.4
62.5°	391.6	477.2	503.6	524.8	530.6	536.3	530.6	524.8	503.6	477.2	391.6
65°	347.8	424.6	446.7	464.2	468.0	471.8	468.0	464.2	446.7	424.6	347.8
67.5°	302.7	366.9	380.7	389.2	382.1	375.1	382.1	389.2	380.7	366.9	302.7
70°	272.7	326.0	330.7	329.2	309.0	288.8	309.0	329.2	330.7	326.0	272.7
72.5°	239.9	278.7	268.4	251.1	212.8	174.5	212.8	251.1	268.4	278.7	239.9
75°	187.1	197.5	152.3	118.7	119.6	120.6	119.6	118.7	152.3	197.5	187.1
77.5°	124.9	132.8	108.9	91.2	92.0	92.9	92.0	91.2	108.9	132.8	124.9
80°	69.3	75.7	74.7	74.2	74.6	75.1	74.6	74.2	74.7	75.7	69.3
82.5°	48.7	52.9	53.9	54.4	53.8	53.1	53.8	54.4	53.9	52.9	48.7
85°	25.3	24.6	20.8	17.7	16.8	15.9	16.8	17.7	20.8	24.6	25.3
87.5°	13.2	15.0	17.5	18.9	20.4	19.7	20.4	18.9	17.5	15.0	13.2
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	637.9	608.1	573.3	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: P1436008

CATALOG NUMBER: SQ2W-FB-K-125U-050D-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: P1436008

CATALOG NUMBER: SQ2W-FB-K-125U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	220.0	220.0	220.0	220.0
2.5°	231.0	226.6	222.5	218.3
5°	262.3	241.9	227.8	213.7
7.5°	323.5	262.8	234.1	205.4
10°	380.8	277.7	237.8	197.8
12.5°	425.1	297.8	243.6	189.3
15°	474.6	330.7	253.2	175.6
17.5°	514.6	367.9	264.7	161.4
20°	540.9	393.8	272.6	151.3
22.5°	560.3	413.1	277.5	142.0
25°	581.4	434.6	281.8	129.0
27.5°	584.4	439.4	278.0	116.6
30°	580.7	437.1	273.0	109.0
32.5°	573.7	431.8	267.0	102.2
35°	556.7	416.4	254.2	92.0
37.5°	531.2	392.3	237.8	83.4
40°	512.3	374.5	226.4	78.3
42.5°	490.3	353.6	213.4	73.2
45°	454.1	318.6	192.6	66.6
47.5°	415.5	279.4	169.9	60.5
50°	389.3	252.7	154.9	57.1
52.5°	363.6	226.7	140.2	53.7
55°	326.1	190.8	120.2	49.7
57.5°	291.0	159.9	103.0	46.1
60°	269.0	143.2	93.8	44.4
62.5°	247.0	127.8	84.9	41.9
65°	216.1	108.7	73.9	39.1
67.5°	187.9	94.4	64.9	35.3
70°	170.7	87.3	60.1	32.8
72.5°	151.8	79.6	55.4	31.1
75°	121.3	67.0	47.2	27.5
77.5°	85.3	51.9	37.2	22.4
80°	55.7	42.5	30.8	19.0
82.5°	41.0	33.1	24.4	15.7
85°	22.9	19.9	14.7	9.5
87.5°	12.9	11.1	7.8	4.5
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: P1436008

CATALOG NUMBER: SQ2W-FB-K-125U-050D-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: P1436008  
 CATALOG NUMBER: SQ2W-FB-K-125U-050D-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	8.32	9.04	9.43	10.15	11.68	17.92	18.64	19.03	19.74	21.28
	3H	9.25	9.89	10.37	11.01	12.56	19.51	20.16	20.63	21.27	22.82
	4H	9.64	10.25	10.77	11.37	12.92	19.68	20.29	20.81	21.41	22.97
	6H	9.89	10.45	11.02	11.57	13.14	19.75	20.31	20.89	21.43	23.00
	8H	9.97	10.51	11.12	11.64	13.21	19.76	20.30	20.90	21.43	22.99
	12H	10.02	10.53	11.16	11.66	13.24	19.74	20.24	20.88	21.37	22.96
4H	2H	13.02	13.63	14.16	14.75	16.31	18.26	18.88	19.40	19.99	21.55
	3H	14.14	14.65	15.28	15.79	17.36	20.14	20.65	21.28	21.79	23.36
	4H	14.41	14.88	15.56	16.01	17.60	20.35	20.82	21.50	21.95	23.54
	6H	14.54	14.94	15.69	16.09	17.67	20.48	20.88	21.63	22.03	23.61
	8H	14.57	14.95	15.73	16.09	17.69	20.52	20.89	21.67	22.04	23.63
	12H	14.57	14.91	15.74	16.07	17.67	20.49	20.83	21.66	21.99	23.59
8H	4H	15.59	15.97	16.74	17.11	18.71	20.43	20.80	21.58	21.95	23.55
	6H	15.84	16.15	17.02	17.34	18.93	20.62	20.93	21.79	22.12	23.71
	8H	15.94	16.21	17.12	17.38	18.99	20.71	20.98	21.89	22.15	23.76
	12H	15.97	16.21	17.16	17.38	19.02	20.71	20.94	21.89	22.11	23.76
12H	4H	15.61	15.95	16.78	17.11	18.71	20.38	20.71	21.54	21.87	23.47
	6H	15.95	16.22	17.13	17.39	19.00	20.60	20.87	21.78	22.04	23.65
	8H	16.08	16.31	17.26	17.48	19.13	20.70	20.93	21.88	22.10	23.74