

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: P1427722

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427722
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-050U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

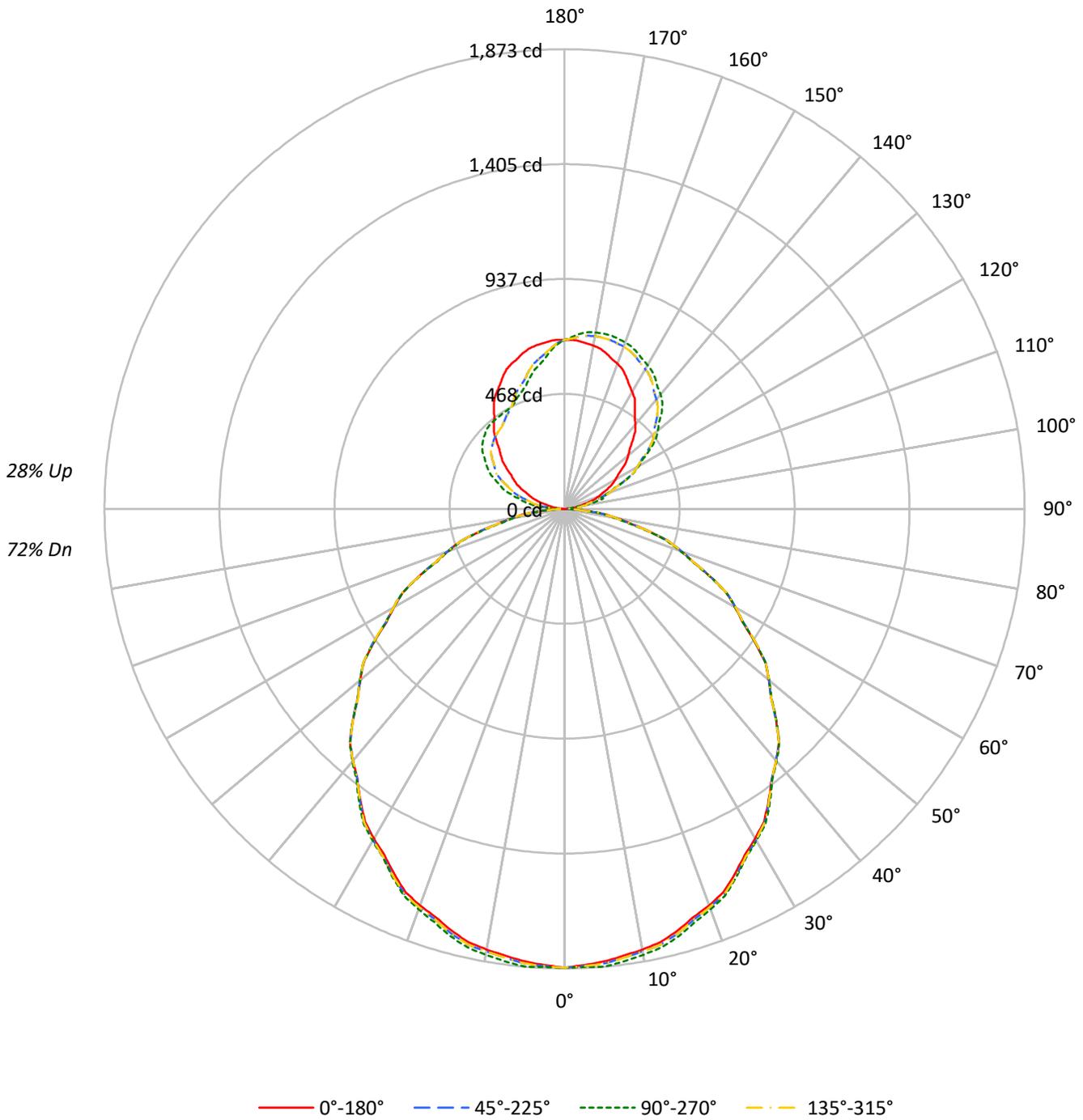
Lumens per Lamp: N/A
Luminaire Lumens: 7276.9 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (A_{in}): 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: P1427722

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

Luminous Intensity Polar Plot





TEST NUMBER: P1427722

CATALOG NUMBER: SQ2W-F-K-050U-125D-L940-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	50	30	10	50	30	10	50	30	10	0				
RCR	0	112	112	112	112	107	107	107	107	96	96	96	86	86	86	77	77	77	77	72					72									
	1	103	98	94	90	97	93	89	86	84	81	78	75	73	71	67	66	64	64	60					60									
	2	93	85	79	73	88	81	75	70	73	69	65	66	62	59	59	56	54	54	50					50									
	3	85	75	67	61	80	71	64	59	64	59	54	58	54	50	52	49	46	46	42					42									
	4	78	66	58	51	73	63	55	50	57	51	46	52	47	42	46	42	39	39	36					36									
	5	71	59	50	44	67	56	48	43	51	45	40	46	41	37	42	37	34	34	31					31									
	6	66	53	44	38	62	51	43	37	46	39	35	42	36	32	38	33	30	30	27					27									
	7	61	48	40	34	57	46	38	33	42	35	30	38	33	28	35	30	26	26	24					24									
	8	57	44	35	30	53	42	34	29	38	32	27	35	29	25	32	27	24	24	21					21									
	9	53	40	32	27	50	38	31	26	35	29	24	32	27	23	29	25	21	21	19					19									
	10	49	37	29	24	47	35	28	23	32	26	22	30	24	21	27	23	19	19	17					17									

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30197	30197	30197	30197
5°	30013	30355	30013	30355
10°	29907	30251	29907	30251
15°	29743	30117	29743	30117
20°	29554	29848	29554	29848
25°	29236	29494	29236	29494
30°	28925	29123	28925	29123
35°	28556	28737	28556	28737
40°	28232	28314	28232	28314
45°	27818	27818	27818	27818
50°	27261	27326	27261	27326
55°	26620	26657	26620	26657
60°	25901	25901	25901	25901
65°	25058	24958	25058	24958
70°	23877	23627	23877	23627
75°	22264	21771	22264	21771
80°	19842	18856	19842	18856
85°	15857	13412	15857	13412

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 28005 cd/sqm



TEST NUMBER: P1427722

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.0	2.4
10°-20°	505.6	6.9
20°-30°	761.1	10.5
30°-40°	910.2	12.5
40°-50°	939.9	12.9
50°-60°	847.7	11.6
60°-70°	649.4	8.9
70°-80°	375.3	5.2
80°-90°	100.3	1.4
90°-100°	54.8	0.8
100°-110°	159.8	2.2
110°-120°	260.8	3.6
120°-130°	330.9	4.5
130°-140°	354.1	4.9
140°-150°	330.7	4.5
150°-160°	272.1	3.7
160°-170°	182.5	2.5
170°-180°	64.8	0.9
0°-30°	1443.7	19.8
0°-40°	2353.9	32.3
0°-60°	4141.5	56.9
0°-90°	5266.5	72.4
90°-120°	475.4	6.5
90°-150°	1491.1	20.5
90°-180°	2010.0	27.6
0°-180°	7276.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1870	1870	1870	1870	1870	
5°	1852	1873	1852	1873	1852	176
15°	1779	1802	1779	1802	1779	502
25°	1641	1656	1641	1656	1641	756
35°	1449	1458	1449	1458	1449	907
45°	1218	1218	1218	1218	1218	939
55°	946	947	946	947	946	845
65°	656	653	656	653	656	648
75°	357	349	357	349	357	378
85°	86	72	86	72	86	100
90°	2	15	2	30	2	5
95°	22	16	22	94	22	26
105°	102	163	102	224	102	108
115°	195	270	195	332	195	192
125°	288	428	288	408	288	258
135°	392	560	392	451	392	303
145°	500	645	500	461	500	313
155°	594	701	594	478	594	273
165°	657	731	657	551	657	185
175°	686	716	686	646	686	65
180°	689	689	689	689	689	



TEST NUMBER: P1427722

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3
2.5°	1860.8	1869.7	1878.6	1874.8	1866.9	1863.8	1865.7	1867.3	1868.3	1869.2	1868.3
5°	1851.8	1863.5	1875.2	1871.1	1861.8	1857.7	1858.8	1861.2	1867.0	1872.9	1867.0
7.5°	1836.8	1848.5	1860.2	1856.5	1847.6	1843.8	1845.2	1847.8	1853.9	1860.0	1853.9
10°	1824.2	1835.9	1847.6	1843.5	1834.1	1830.6	1832.9	1835.9	1840.5	1845.2	1840.5
12.5°	1808.4	1820.1	1831.8	1828.4	1819.9	1816.4	1817.8	1820.2	1825.3	1830.5	1825.3
15°	1779.4	1791.1	1802.8	1799.6	1791.4	1788.2	1789.9	1792.4	1797.1	1801.8	1797.1
17.5°	1744.3	1755.3	1766.4	1763.4	1755.8	1753.0	1755.0	1757.5	1761.6	1765.7	1761.6
20°	1720.1	1730.6	1741.2	1738.1	1730.5	1727.0	1727.6	1729.0	1733.1	1737.2	1733.1
22.5°	1690.6	1701.1	1711.7	1709.0	1701.8	1697.6	1696.3	1696.6	1701.6	1706.7	1701.6
25°	1641.1	1651.6	1662.2	1660.0	1653.5	1649.4	1647.7	1647.4	1651.5	1655.6	1651.5
27.5°	1589.5	1598.2	1607.0	1605.2	1599.8	1596.5	1595.3	1595.2	1598.1	1601.0	1598.1
30°	1551.5	1560.3	1569.1	1566.9	1561.0	1557.5	1556.4	1556.2	1559.1	1562.1	1559.1
32.5°	1511.5	1519.8	1528.1	1525.1	1518.3	1514.8	1514.6	1515.2	1518.6	1522.0	1518.6
35°	1448.8	1455.8	1462.8	1459.8	1453.3	1450.4	1451.0	1452.2	1455.1	1458.0	1455.1
37.5°	1385.8	1391.2	1396.6	1393.5	1387.5	1384.5	1384.3	1384.9	1387.3	1389.8	1387.3
40°	1339.5	1345.3	1351.2	1347.8	1341.4	1337.9	1337.3	1337.6	1340.5	1343.4	1340.5
42.5°	1292.1	1296.5	1301.0	1297.9	1292.4	1289.9	1290.2	1290.9	1292.4	1293.9	1292.4
45°	1218.3	1222.4	1226.5	1223.6	1218.3	1215.7	1215.7	1216.0	1217.1	1218.3	1217.1
47.5°	1141.1	1144.3	1147.4	1145.2	1141.1	1138.7	1138.0	1137.9	1139.8	1141.6	1139.8
50°	1085.3	1089.4	1093.5	1091.4	1087.3	1084.7	1083.5	1083.2	1085.6	1087.9	1085.6
52.5°	1030.5	1035.1	1039.6	1037.7	1033.6	1030.7	1029.1	1028.3	1030.2	1032.1	1030.2
55°	945.7	950.9	956.2	954.9	951.4	948.4	946.1	944.6	945.8	947.0	945.8
57.5°	859.0	864.2	869.3	868.3	865.3	862.3	859.5	857.8	859.5	861.1	859.5
60°	802.1	806.8	811.5	810.0	806.5	803.6	801.2	799.8	800.9	802.1	800.9
62.5°	744.2	748.8	753.5	751.7	747.7	744.6	742.2	740.8	741.9	743.1	741.9
65°	655.9	660.0	664.1	662.5	659.0	656.1	653.7	652.1	652.7	653.3	652.7
67.5°	566.9	570.4	573.9	572.2	568.8	565.4	562.0	559.7	560.7	561.6	560.7
70°	505.8	509.3	512.8	511.5	508.5	505.6	502.7	500.5	500.5	500.5	500.5
72.5°	446.8	449.8	452.8	451.1	447.7	444.7	442.3	440.4	440.4	440.4	440.4
75°	356.9	358.7	360.4	359.6	357.8	355.5	352.5	350.2	349.6	349.0	349.6
77.5°	270.3	270.3	270.3	268.6	266.4	264.1	261.9	260.1	259.4	258.7	259.4
80°	213.4	213.4	213.4	212.1	210.3	208.5	206.8	205.2	204.0	202.8	204.0
82.5°	160.7	159.7	158.8	157.3	155.5	153.3	150.6	148.9	150.0	151.2	150.0
85°	85.6	84.4	83.3	81.7	79.9	77.9	75.5	73.6	73.0	72.4	73.0
87.5°	26.8	26.4	26.1	25.4	24.4	22.9	21.0	19.7	19.3	18.9	19.3
90°	2.1	4.9	8.3	11.1	13.2	13.9	13.9	14.6	15.3	15.3	15.3
92.5°	7.7	12.1	12.2	12.2	14.9	16.1	17.2	17.4	18.1	18.1	18.1
95°	21.6	23.6	35.5	34.8	23.6	18.8	16.0	16.0	16.0	16.0	16.0
97.5°	41.2	44.2	46.2	61.9	65.4	63.2	51.5	43.3	38.7	36.6	38.7
100°	58.4	59.8	64.0	64.7	82.1	98.8	90.4	80.0	76.5	74.4	76.5
102.5°	75.7	76.5	82.9	85.8	89.9	99.3	128.3	125.1	122.7	122.3	122.7
105°	101.5	102.2	114.1	119.6	122.4	122.4	121.7	135.6	157.9	162.7	157.9
107.5°	129.2	132.4	146.3	161.2	164.4	165.3	161.6	159.5	158.7	159.3	158.7
110°	148.1	153.0	169.7	188.5	193.4	194.7	193.4	191.3	189.9	189.9	189.9

TEST NUMBER: P1427722

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	166.5	173.6	192.5	214.1	222.3	226.5	223.4	221.9	220.5	221.6	220.5
115°	194.7	205.2	230.2	252.5	269.2	271.2	270.6	270.6	269.9	269.9	269.9
117.5°	220.9	237.6	265.7	291.6	310.9	316.5	319.2	318.4	317.6	319.0	317.6
120°	239.3	258.7	290.7	319.9	338.7	347.1	349.8	348.4	349.8	348.4	349.8
122.5°	258.7	282.7	314.1	344.4	366.5	376.0	379.3	379.6	379.9	379.1	379.9
125°	287.9	317.2	354.0	385.3	408.3	419.4	422.2	422.9	424.3	427.7	424.3
127.5°	317.4	350.5	391.0	421.2	444.7	458.2	462.5	464.0	467.0	468.5	467.0
130°	338.0	375.6	416.6	445.1	468.1	482.7	490.3	492.4	495.9	495.2	495.9
132.5°	359.7	398.9	440.5	470.2	491.4	507.2	513.7	519.7	520.9	521.9	520.9
135°	391.6	434.0	475.7	504.9	525.1	540.4	548.8	554.3	557.8	559.9	557.8
137.5°	425.1	469.9	509.9	536.0	556.3	569.5	578.9	584.8	588.4	590.1	588.4
140°	447.9	491.0	530.0	557.1	575.2	588.4	596.7	603.7	607.9	607.9	607.9
142.5°	469.6	512.2	550.0	577.1	593.0	605.1	614.0	619.3	624.0	624.0	624.0
145°	500.1	542.5	577.3	604.4	617.6	628.7	638.5	642.6	645.4	645.4	645.4
147.5°	531.9	569.5	601.2	627.2	638.3	651.4	659.1	662.4	665.9	664.3	665.9
150°	550.8	585.6	616.2	640.6	651.7	664.2	671.9	674.6	678.1	676.0	678.1
152.5°	569.2	602.3	630.1	652.8	662.3	674.8	683.5	686.3	688.7	687.2	688.7
155°	594.0	623.2	648.9	669.8	678.1	689.9	698.3	701.8	704.5	701.1	704.5
157.5°	616.1	641.3	663.7	682.8	691.8	701.9	709.7	714.0	716.8	715.3	716.8
160°	629.4	652.4	672.6	690.6	699.0	708.0	716.4	721.2	724.0	721.9	724.0
162.5°	640.6	661.3	680.3	696.8	704.0	711.9	721.9	726.2	729.0	726.4	729.0
165°	656.6	673.3	689.9	703.9	710.1	716.4	726.8	731.7	733.8	731.0	733.8
167.5°	668.7	681.5	695.0	706.9	711.5	717.6	728.1	732.1	734.7	731.3	734.7
170°	675.3	686.5	698.3	708.0	711.5	717.1	727.5	731.0	733.1	729.6	733.1
172.5°	680.9	689.2	698.8	707.5	709.3	713.7	723.6	727.1	728.6	725.7	728.6
175°	686.5	691.3	698.3	703.9	703.2	705.9	714.3	717.1	719.9	715.7	719.9
177.5°	689.1	691.3	693.6	696.9	694.7	694.7	700.8	702.5	703.0	700.8	703.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1427722

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3
2.5°	1867.3	1865.7	1863.8	1866.9	1874.8	1878.6	1869.7	1860.8	1869.7	1878.6	1874.8
5°	1861.2	1858.8	1857.7	1861.8	1871.1	1875.2	1863.5	1851.8	1863.5	1875.2	1871.1
7.5°	1847.8	1845.2	1843.8	1847.6	1856.5	1860.2	1848.5	1836.8	1848.5	1860.2	1856.5
10°	1835.9	1832.9	1830.6	1834.1	1843.5	1847.6	1835.9	1824.2	1835.9	1847.6	1843.5
12.5°	1820.2	1817.8	1816.4	1819.9	1828.4	1831.8	1820.1	1808.4	1820.1	1831.8	1828.4
15°	1792.4	1789.9	1788.2	1791.4	1799.6	1802.8	1791.1	1779.4	1791.1	1802.8	1799.6
17.5°	1757.5	1755.0	1753.0	1755.8	1763.4	1766.4	1755.3	1744.3	1755.3	1766.4	1763.4
20°	1729.0	1727.6	1727.0	1730.5	1738.1	1741.2	1730.6	1720.1	1730.6	1741.2	1738.1
22.5°	1696.6	1696.3	1697.6	1701.8	1709.0	1711.7	1701.1	1690.6	1701.1	1711.7	1709.0
25°	1647.4	1647.7	1649.4	1653.5	1660.0	1662.2	1651.6	1641.1	1651.6	1662.2	1660.0
27.5°	1595.2	1595.3	1596.5	1599.8	1605.2	1607.0	1598.2	1589.5	1598.2	1607.0	1605.2
30°	1556.2	1556.4	1557.5	1561.0	1566.9	1569.1	1560.3	1551.5	1560.3	1569.1	1566.9
32.5°	1515.2	1514.6	1514.8	1518.3	1525.1	1528.1	1519.8	1511.5	1519.8	1528.1	1525.1
35°	1452.2	1451.0	1450.4	1453.3	1459.8	1462.8	1455.8	1448.8	1455.8	1462.8	1459.8
37.5°	1384.9	1384.3	1384.5	1387.5	1393.5	1396.6	1391.2	1385.8	1391.2	1396.6	1393.5
40°	1337.6	1337.3	1337.9	1341.4	1347.8	1351.2	1345.3	1339.5	1345.3	1351.2	1347.8
42.5°	1290.9	1290.2	1289.9	1292.4	1297.9	1301.0	1296.5	1292.1	1296.5	1301.0	1297.9
45°	1216.0	1215.7	1215.7	1218.3	1223.6	1226.5	1222.4	1218.3	1222.4	1226.5	1223.6
47.5°	1137.9	1138.0	1138.7	1141.1	1145.2	1147.4	1144.3	1141.1	1144.3	1147.4	1145.2
50°	1083.2	1083.5	1084.7	1087.3	1091.4	1093.5	1089.4	1085.3	1089.4	1093.5	1091.4
52.5°	1028.3	1029.1	1030.7	1033.6	1037.7	1039.6	1035.1	1030.5	1035.1	1039.6	1037.7
55°	944.6	946.1	948.4	951.4	954.9	956.2	950.9	945.7	950.9	956.2	954.9
57.5°	857.8	859.5	862.3	865.3	868.3	869.3	864.2	859.0	864.2	869.3	868.3
60°	799.8	801.2	803.6	806.5	810.0	811.5	806.8	802.1	806.8	811.5	810.0
62.5°	740.8	742.2	744.6	747.7	751.7	753.5	748.8	744.2	748.8	753.5	751.7
65°	652.1	653.7	656.1	659.0	662.5	664.1	660.0	655.9	660.0	664.1	662.5
67.5°	559.7	562.0	565.4	568.8	572.2	573.9	570.4	566.9	570.4	573.9	572.2
70°	500.5	502.7	505.6	508.5	511.5	512.8	509.3	505.8	509.3	512.8	511.5
72.5°	440.4	442.3	444.7	447.7	451.1	452.8	449.8	446.8	449.8	452.8	451.1
75°	350.2	352.5	355.5	357.8	359.6	360.4	358.7	356.9	358.7	360.4	359.6
77.5°	260.1	261.9	264.1	266.4	268.6	270.3	270.3	270.3	270.3	270.3	268.6
80°	205.2	206.8	208.5	210.3	212.1	213.4	213.4	213.4	213.4	213.4	212.1
82.5°	148.9	150.6	153.3	155.5	157.3	158.8	159.7	160.7	159.7	158.8	157.3
85°	73.6	75.5	77.9	79.9	81.7	83.3	84.4	85.6	84.4	83.3	81.7
87.5°	19.7	21.0	22.9	24.4	25.4	26.1	26.4	26.8	26.4	26.0	25.7
90°	14.6	13.9	13.9	13.2	11.1	8.3	4.9	2.1	4.9	7.7	12.5
92.5°	17.4	17.2	16.1	14.9	12.2	12.2	12.1	7.7	13.2	18.8	27.0
95°	16.0	16.0	18.8	23.6	34.8	35.5	23.6	21.6	30.6	43.1	54.2
97.5°	43.3	51.5	63.2	65.4	61.9	46.2	44.2	41.2	56.1	68.4	86.4
100°	80.0	90.4	98.8	82.1	64.7	64.0	59.8	58.4	74.4	86.2	103.6
102.5°	125.1	128.3	99.3	89.9	85.8	82.9	76.5	75.7	91.7	107.9	122.5
105°	135.6	121.7	122.4	122.4	119.6	114.1	102.2	101.5	119.6	138.4	156.5
107.5°	159.5	161.6	165.3	164.4	161.2	146.3	132.4	129.2	145.5	168.0	187.9
110°	191.3	193.4	194.7	193.4	188.5	169.7	153.0	148.1	162.7	186.4	208.0



TEST NUMBER: P1427722

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	221.9	223.4	226.5	222.3	214.1	192.5	173.6	166.5	181.1	205.3	227.4
115°	270.6	270.6	271.2	269.2	252.5	230.2	205.2	194.7	207.3	229.5	253.9
117.5°	318.4	319.2	316.5	310.9	291.6	265.7	237.6	220.9	230.8	254.3	279.3
120°	348.4	349.8	347.1	338.7	319.9	290.7	258.7	239.3	246.9	269.9	294.9
122.5°	379.6	379.3	376.0	366.5	344.4	314.1	282.7	258.7	261.9	283.2	307.7
125°	422.9	422.2	419.4	408.3	385.3	354.0	317.2	287.9	283.8	301.9	326.9
127.5°	464.0	462.5	458.2	444.7	421.2	391.0	350.5	317.4	308.1	319.5	342.5
130°	492.4	490.3	482.7	468.1	445.1	416.6	375.6	338.0	324.8	331.8	351.9
132.5°	519.7	513.7	507.2	491.4	470.2	440.5	398.9	359.7	341.5	344.6	360.3
135°	554.3	548.8	540.4	525.1	504.9	475.7	434.0	391.6	366.5	363.8	372.8
137.5°	584.8	578.9	569.5	556.3	536.0	509.9	469.9	425.1	393.5	384.2	387.7
140°	603.7	596.7	588.4	575.2	557.1	530.0	491.0	447.9	412.4	399.2	397.1
142.5°	619.3	614.0	605.1	593.0	577.1	550.0	512.2	469.6	431.9	414.8	409.9
145°	642.6	638.5	628.7	617.6	604.4	577.3	542.5	500.1	462.5	440.3	429.8
147.5°	662.4	659.1	651.4	638.3	627.2	601.2	569.5	531.9	493.4	465.9	452.4
150°	674.6	671.9	664.2	651.7	640.6	616.2	585.6	550.8	514.0	484.8	467.4
152.5°	686.3	683.5	674.8	662.3	652.8	630.1	602.3	569.2	531.8	502.6	484.6
155°	701.8	698.3	689.9	678.1	669.8	648.9	623.2	594.0	562.0	531.4	511.2
157.5°	714.0	709.7	701.9	691.8	682.8	663.7	641.3	616.1	588.1	558.9	538.3
160°	721.2	716.4	708.0	699.0	690.6	672.6	652.4	629.4	603.7	577.3	555.0
162.5°	726.2	721.9	711.9	704.0	696.8	680.3	661.3	640.6	617.6	594.5	573.9
165°	731.7	726.8	716.4	710.1	703.9	689.9	673.3	656.6	637.1	618.3	601.6
167.5°	732.1	728.1	717.6	711.5	706.9	695.0	681.5	668.7	653.5	638.8	624.8
170°	731.0	727.5	717.1	711.5	708.0	698.3	686.5	675.3	663.5	651.0	639.9
172.5°	727.1	723.6	713.7	709.3	707.5	698.8	689.2	680.9	670.7	661.6	652.7
175°	717.1	714.3	705.9	703.2	703.9	698.3	691.3	686.5	680.2	674.6	669.8
177.5°	702.5	700.8	694.7	694.7	696.9	693.6	691.3	689.1	686.3	684.7	683.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1427722

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3
2.5°	1866.9	1863.8	1865.7	1867.3	1868.3	1869.2	1868.3	1867.3	1865.7	1863.8	1866.9
5°	1861.8	1857.7	1858.8	1861.2	1867.0	1872.9	1867.0	1861.2	1858.8	1857.7	1861.8
7.5°	1847.6	1843.8	1845.2	1847.8	1853.9	1860.0	1853.9	1847.8	1845.2	1843.8	1847.6
10°	1834.1	1830.6	1832.9	1835.9	1840.5	1845.2	1840.5	1835.9	1832.9	1830.6	1834.1
12.5°	1819.9	1816.4	1817.8	1820.2	1825.3	1830.5	1825.3	1820.2	1817.8	1816.4	1819.9
15°	1791.4	1788.2	1789.9	1792.4	1797.1	1801.8	1797.1	1792.4	1789.9	1788.2	1791.4
17.5°	1755.8	1753.0	1755.0	1757.5	1761.6	1765.7	1761.6	1757.5	1755.0	1753.0	1755.8
20°	1730.5	1727.0	1727.6	1729.0	1733.1	1737.2	1733.1	1729.0	1727.6	1727.0	1730.5
22.5°	1701.8	1697.6	1696.3	1696.6	1701.6	1706.7	1701.6	1696.6	1696.3	1697.6	1701.8
25°	1653.5	1649.4	1647.7	1647.4	1651.5	1655.6	1651.5	1647.4	1647.7	1649.4	1653.5
27.5°	1599.8	1596.5	1595.3	1595.2	1598.1	1601.0	1598.1	1595.2	1595.3	1596.5	1599.8
30°	1561.0	1557.5	1556.4	1556.2	1559.1	1562.1	1559.1	1556.2	1556.4	1557.5	1561.0
32.5°	1518.3	1514.8	1514.6	1515.2	1518.6	1522.0	1518.6	1515.2	1514.6	1514.8	1518.3
35°	1453.3	1450.4	1451.0	1452.2	1455.1	1458.0	1455.1	1452.2	1451.0	1450.4	1453.3
37.5°	1387.5	1384.5	1384.3	1384.9	1387.3	1389.8	1387.3	1384.9	1384.3	1384.5	1387.5
40°	1341.4	1337.9	1337.3	1337.6	1340.5	1343.4	1340.5	1337.6	1337.3	1337.9	1341.4
42.5°	1292.4	1289.9	1290.2	1290.9	1292.4	1293.9	1292.4	1290.9	1290.2	1289.9	1292.4
45°	1218.3	1215.7	1215.7	1216.0	1217.1	1218.3	1217.1	1216.0	1215.7	1215.7	1218.3
47.5°	1141.1	1138.7	1138.0	1137.9	1139.8	1141.6	1139.8	1137.9	1138.0	1138.7	1141.1
50°	1087.3	1084.7	1083.5	1083.2	1085.6	1087.9	1085.6	1083.2	1083.5	1084.7	1087.3
52.5°	1033.6	1030.7	1029.1	1028.3	1030.2	1032.1	1030.2	1028.3	1029.1	1030.7	1033.6
55°	951.4	948.4	946.1	944.6	945.8	947.0	945.8	944.6	946.1	948.4	951.4
57.5°	865.3	862.3	859.5	857.8	859.5	861.1	859.5	857.8	859.5	862.3	865.3
60°	806.5	803.6	801.2	799.8	800.9	802.1	800.9	799.8	801.2	803.6	806.5
62.5°	747.7	744.6	742.2	740.8	741.9	743.1	741.9	740.8	742.2	744.6	747.7
65°	659.0	656.1	653.7	652.1	652.7	653.3	652.7	652.1	653.7	656.1	659.0
67.5°	568.8	565.4	562.0	559.7	560.7	561.6	560.7	559.7	562.0	565.4	568.8
70°	508.5	505.6	502.7	500.5	500.5	500.5	500.5	500.5	502.7	505.6	508.5
72.5°	447.7	444.7	442.3	440.4	440.4	440.4	440.4	440.4	442.3	444.7	447.7
75°	357.8	355.5	352.5	350.2	349.6	349.0	349.6	350.2	352.5	355.5	357.8
77.5°	266.4	264.1	261.9	260.1	259.4	258.7	259.4	260.1	261.9	264.1	266.4
80°	210.3	208.5	206.8	205.2	204.0	202.8	204.0	205.2	206.8	208.5	210.3
82.5°	155.5	153.3	150.6	148.9	150.0	151.2	150.0	148.9	150.6	153.3	155.5
85°	79.9	77.9	75.5	73.6	73.0	72.4	73.0	73.6	75.5	77.9	79.9
87.5°	25.0	24.3	23.4	22.4	22.5	21.8	22.5	22.4	23.4	24.3	25.0
90°	16.0	20.9	25.7	28.5	31.3	29.9	31.3	28.5	25.7	20.9	16.0
92.5°	32.1	40.3	46.3	51.3	53.6	53.3	53.6	51.3	46.3	40.3	32.1
95°	64.7	74.4	84.2	91.1	95.3	93.9	95.3	91.1	84.2	74.4	64.7
97.5°	99.7	112.8	123.7	130.2	134.4	137.2	134.4	130.2	123.7	112.8	99.7
100°	123.1	135.6	148.1	155.8	162.7	165.5	162.7	155.8	148.1	135.6	123.1
102.5°	142.0	158.4	172.1	180.3	186.1	188.9	186.1	180.3	172.1	158.4	142.0
105°	173.2	190.6	205.2	215.6	221.9	224.0	221.9	215.6	205.2	190.6	173.2
107.5°	204.3	222.3	235.8	247.3	255.0	259.4	255.0	247.3	235.8	222.3	204.3
110°	228.8	243.4	258.0	268.5	276.1	278.9	276.1	268.5	258.0	243.4	228.8



TEST NUMBER: P1427722

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	249.4	265.7	280.3	290.7	299.5	303.4	299.5	290.7	280.3	265.7	249.4
115°	278.2	299.8	313.0	322.7	329.0	332.5	329.0	322.7	313.0	299.8	278.2
117.5°	302.1	324.7	339.1	346.6	349.6	352.1	349.6	346.6	339.1	324.7	302.1
120°	317.2	338.0	354.7	364.4	367.9	369.3	367.9	364.4	354.7	338.0	317.2
122.5°	331.1	350.8	366.9	378.9	384.6	386.0	384.6	378.9	366.9	350.8	331.1
125°	350.5	369.3	386.0	397.8	404.1	407.6	404.1	397.8	386.0	369.3	350.5
127.5°	367.5	387.8	403.1	413.8	419.9	422.7	419.9	413.8	403.1	387.8	367.5
130°	377.0	397.8	413.1	425.0	430.5	433.3	430.5	425.0	413.1	397.8	377.0
132.5°	384.2	406.2	422.0	432.7	438.9	441.6	438.9	432.7	422.0	406.2	384.2
135°	393.0	415.9	432.6	443.0	448.6	451.4	448.6	443.0	432.6	415.9	393.0
137.5°	400.6	421.5	438.9	449.9	454.9	456.7	454.9	449.9	438.9	421.5	400.6
140°	406.2	424.3	441.6	452.1	457.6	458.3	457.6	452.1	441.6	424.3	406.2
142.5°	413.4	427.6	442.8	453.2	458.8	460.0	458.8	453.2	442.8	427.6	413.4
145°	426.3	434.7	445.1	454.9	459.7	461.1	459.7	454.9	445.1	434.7	426.3
147.5°	442.6	445.3	450.7	457.1	461.8	462.8	461.8	457.1	445.3	442.6	442.6
150°	454.9	454.2	456.3	460.4	464.6	463.9	464.6	460.4	456.3	454.2	454.9
152.5°	468.8	464.7	464.6	466.5	468.5	468.4	468.5	466.5	464.6	464.7	468.8
155°	492.4	484.8	480.6	479.2	479.2	478.5	479.2	479.2	480.6	484.8	492.4
157.5°	518.4	507.7	501.5	498.1	497.1	495.6	497.1	498.1	501.5	507.7	518.4
160°	536.2	524.4	518.2	512.6	510.5	508.4	510.5	512.6	518.2	524.4	536.2
162.5°	552.9	541.7	534.8	529.8	527.8	524.6	527.8	529.8	534.8	541.7	552.9
165°	580.1	568.2	560.6	556.4	553.6	550.8	553.6	556.4	560.6	568.2	580.1
167.5°	607.2	594.2	589.2	584.5	581.9	576.9	581.9	584.5	589.2	594.2	607.2
170°	623.9	612.0	609.3	605.1	600.2	594.7	600.2	605.1	609.3	612.0	623.9
172.5°	638.3	630.4	627.6	623.5	621.9	617.5	621.9	623.5	627.6	630.4	638.3
175°	659.3	653.1	653.1	652.4	650.3	646.1	650.3	652.4	653.1	653.1	659.3
177.5°	676.9	673.5	675.8	675.8	675.2	671.3	675.2	675.8	675.8	673.5	676.9
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1427722

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1870.3	1870.3	1870.3	1870.3
2.5°	1874.8	1878.6	1869.7	1860.8
5°	1871.1	1875.2	1863.5	1851.8
7.5°	1856.5	1860.2	1848.5	1836.8
10°	1843.5	1847.6	1835.9	1824.2
12.5°	1828.4	1831.8	1820.1	1808.4
15°	1799.6	1802.8	1791.1	1779.4
17.5°	1763.4	1766.4	1755.3	1744.3
20°	1738.1	1741.2	1730.6	1720.1
22.5°	1709.0	1711.7	1701.1	1690.6
25°	1660.0	1662.2	1651.6	1641.1
27.5°	1605.2	1607.0	1598.2	1589.5
30°	1566.9	1569.1	1560.3	1551.5
32.5°	1525.1	1528.1	1519.8	1511.5
35°	1459.8	1462.8	1455.8	1448.8
37.5°	1393.5	1396.6	1391.2	1385.8
40°	1347.8	1351.2	1345.3	1339.5
42.5°	1297.9	1301.0	1296.5	1292.1
45°	1223.6	1226.5	1222.4	1218.3
47.5°	1145.2	1147.4	1144.3	1141.1
50°	1091.4	1093.5	1089.4	1085.3
52.5°	1037.7	1039.6	1035.1	1030.5
55°	954.9	956.2	950.9	945.7
57.5°	868.3	869.3	864.2	859.0
60°	810.0	811.5	806.8	802.1
62.5°	751.7	753.5	748.8	744.2
65°	662.5	664.1	660.0	655.9
67.5°	572.2	573.9	570.4	566.9
70°	511.5	512.8	509.3	505.8
72.5°	451.1	452.8	449.8	446.8
75°	359.6	360.4	358.7	356.9
77.5°	268.6	270.3	270.3	270.3
80°	212.1	213.4	213.4	213.4
82.5°	157.3	158.8	159.7	160.7
85°	81.7	83.3	84.4	85.6
87.5°	25.7	26.0	26.4	26.8
90°	12.5	7.7	4.9	2.1
92.5°	27.0	18.8	13.2	7.7
95°	54.2	43.1	30.6	21.6
97.5°	86.4	68.4	56.1	41.2
100°	103.6	86.2	74.4	58.4
102.5°	122.5	107.9	91.7	75.7
105°	156.5	138.4	119.6	101.5
107.5°	187.9	168.0	145.5	129.2
110°	208.0	186.4	162.7	148.1

TEST NUMBER: P1427722

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	227.4	205.3	181.1	166.5
115°	253.9	229.5	207.3	194.7
117.5°	279.3	254.3	230.8	220.9
120°	294.9	269.9	246.9	239.3
122.5°	307.7	283.2	261.9	258.7
125°	326.9	301.9	283.8	287.9
127.5°	342.5	319.5	308.1	317.4
130°	351.9	331.8	324.8	338.0
132.5°	360.3	344.6	341.5	359.7
135°	372.8	363.8	366.5	391.6
137.5°	387.7	384.2	393.5	425.1
140°	397.1	399.2	412.4	447.9
142.5°	409.9	414.8	431.9	469.6
145°	429.8	440.3	462.5	500.1
147.5°	452.4	465.9	493.4	531.9
150°	467.4	484.8	514.0	550.8
152.5°	484.6	502.6	531.8	569.2
155°	511.2	531.4	562.0	594.0
157.5°	538.3	558.9	588.1	616.1
160°	555.0	577.3	603.7	629.4
162.5°	573.9	594.5	617.6	640.6
165°	601.6	618.3	637.1	656.6
167.5°	624.8	638.8	653.5	668.7
170°	639.9	651.0	663.5	675.3
172.5°	652.7	661.6	670.7	680.9
175°	669.8	674.6	680.2	686.5
177.5°	683.0	684.7	686.3	689.1
180°	688.6	688.6	688.6	688.6



TEST NUMBER: P1427722
 CATALOG NUMBER: SQ2W-F-K-050U-125D-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	21.54	22.67	22.28	23.43	24.34	21.46	22.58	22.19	23.34	24.25
	3H	23.35	24.36	24.10	25.13	26.07	23.25	24.26	24.00	25.03	25.97
	4H	24.06	25.02	24.83	25.79	26.75	23.94	24.90	24.71	25.68	26.63
	6H	24.51	25.39	25.29	26.18	27.15	24.37	25.25	25.15	26.04	27.01
	8H	24.68	25.52	25.47	26.33	27.30	24.52	25.36	25.31	26.17	27.14
	12H	24.77	25.57	25.57	26.37	27.37	24.59	25.40	25.39	26.20	27.19
4H	2H	22.15	23.11	22.92	23.89	24.84	22.09	23.04	22.86	23.82	24.77
	3H	24.20	25.00	24.98	25.81	26.78	24.11	24.91	24.89	25.72	26.69
	4H	25.02	25.75	25.82	26.56	27.56	24.91	25.64	25.71	26.45	27.45
	6H	25.59	26.22	26.41	27.06	28.06	25.45	26.08	26.27	26.92	27.92
	8H	25.81	26.40	26.63	27.24	28.25	25.65	26.24	26.47	27.08	28.09
	12H	25.94	26.47	26.78	27.32	28.35	25.75	26.29	26.59	27.14	28.16
8H	4H	25.29	25.88	26.11	26.71	27.73	25.19	25.78	26.01	26.62	27.63
	6H	25.99	26.48	26.84	27.35	28.37	25.86	26.35	26.71	27.22	28.24
	8H	26.30	26.73	27.16	27.60	28.64	26.14	26.58	27.00	27.45	28.48
	12H	26.49	26.88	27.36	27.74	28.83	26.30	26.69	27.16	27.55	28.64
12H	4H	25.30	25.83	26.14	26.68	27.71	25.20	25.74	26.04	26.59	27.61
	6H	26.04	26.48	26.90	27.35	28.38	25.92	26.35	26.78	27.22	28.26
	8H	26.39	26.77	27.25	27.64	28.72	26.24	26.62	27.10	27.48	28.57