

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: P1436013

Luminaire Tested: SQ2W-FB-K-125U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436013
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-075D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

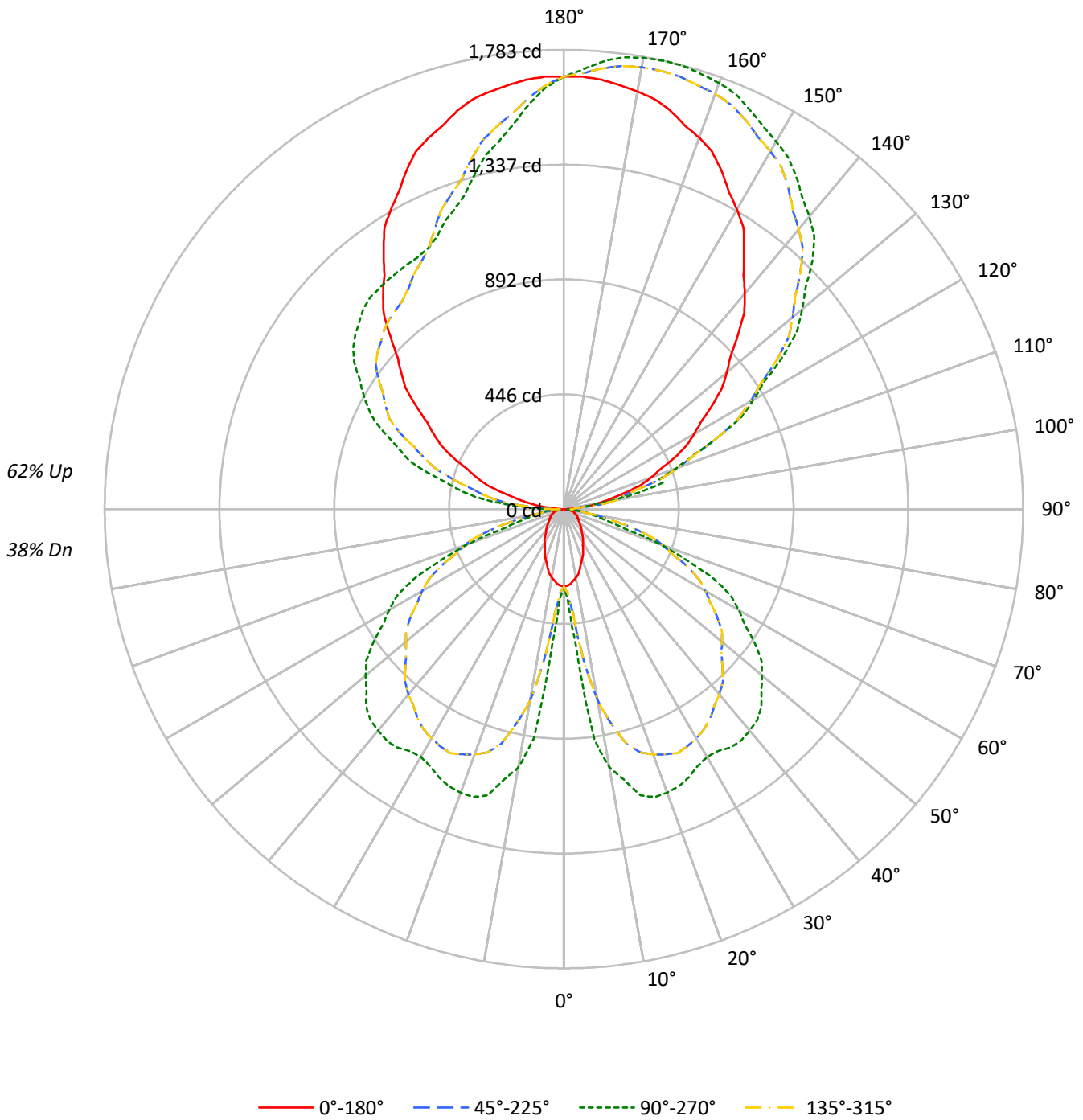
Lumens per Lamp: N/A
Luminaire Lumens: 7872.4 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 70.7
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

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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	95	91	87	83	86	82	79	76	67	64	62	53	51	50	39	38	38	31
2	86	79	73	67	78	72	66	62	58	54	51	46	43	41	34	33	31	26
3	78	69	62	56	71	63	56	51	51	46	43	40	37	34	30	28	26	21
4	71	61	53	47	64	55	48	43	45	40	36	35	32	29	27	24	22	18
5	65	54	45	40	59	49	42	36	40	35	30	31	28	25	24	21	19	15
6	60	48	40	34	54	44	36	31	36	30	26	28	24	21	21	19	16	13
7	55	43	35	29	50	39	32	27	32	27	23	25	21	19	19	16	14	12
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	15	13	10
9	47	35	28	23	43	32	25	21	26	21	18	21	17	14	16	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	16	13	15	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4845	4845	4845	4845
5°	4723	8580	4723	8580
10°	4423	16698	4423	16698
15°	4003	19217	4003	19217
20°	3545	20127	3545	20127
25°	3135	20457	3135	20457
30°	2770	20709	2770	20709
35°	2474	22263	2474	22263
40°	2251	23654	2251	23654
45°	2076	24770	2076	24770
50°	1957	25218	1957	25218
55°	1908	25421	1908	25421
60°	1957	25294	1957	25294
65°	2040	24580	2040	24580
70°	2110	18590	2110	18590
75°	2339	10262	2339	10262
80°	2417	9521	2417	9521
85°	2408	4001	2408	4001

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 25649 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	0.6
10°-20°	229.4	2.9
20°-30°	403.6	5.1
30°-40°	522.5	6.6
40°-50°	576.2	7.3
50°-60°	537.8	6.8
60°-70°	415.5	5.3
70°-80°	191.5	2.4
80°-90°	43.6	0.6
90°-100°	133.6	1.7
100°-110°	389.6	4.9
110°-120°	635.9	8.1
120°-130°	806.9	10.2
130°-140°	863.4	11.0
140°-150°	806.2	10.2
150°-160°	663.4	8.4
160°-170°	444.9	5.7
170°-180°	158.0	2.0
0°-30°	683.3	8.7
0°-40°	1205.8	15.3
0°-60°	2319.8	29.5
0°-90°	2970.5	37.7
90°-120°	1159.2	14.7
90°-150°	3635.7	46.2
90°-180°	4902.0	62.3
0°-180°	7872.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	300	300	300	300	300	
5°	291	529	291	529	291	27
15°	240	1150	240	1150	240	67
25°	176	1148	176	1148	176	81
35°	126	1130	126	1130	126	79
45°	91	1085	91	1085	91	70
55°	68	903	68	903	68	61
65°	53	643	53	643	53	52
75°	38	164	38	164	38	38
85°	13	22	13	22	13	14
90°	5	37	5	73	5	5
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°	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1
2.5°	297.7	303.4	309.0	315.1	321.2	327.9	335.1	341.2	344.3	347.4	344.3
5°	291.4	310.6	329.9	357.8	388.5	423.5	462.6	496.1	512.8	529.4	512.8
7.5°	280.1	319.3	358.4	441.2	538.7	639.9	744.8	831.8	865.1	898.4	865.1
10°	269.8	324.3	378.8	519.3	688.6	818.7	909.8	982.6	1000.5	1018.5	1000.5
12.5°	258.2	332.2	406.2	579.7	786.4	921.7	985.6	1038.1	1056.5	1075.0	1056.5
15°	239.5	345.3	451.0	647.2	873.6	1012.7	1064.6	1108.7	1129.2	1149.7	1129.2
17.5°	220.1	360.9	501.7	701.9	921.8	1057.4	1108.9	1150.2	1161.4	1172.5	1161.4
20°	206.3	371.7	537.1	737.6	949.9	1078.1	1122.3	1157.3	1164.3	1171.4	1164.3
22.5°	193.6	378.5	563.4	764.2	970.2	1090.0	1123.5	1150.5	1158.0	1165.6	1158.0
25°	176.0	384.4	592.7	792.9	990.4	1099.7	1120.9	1138.0	1143.2	1148.3	1143.2
27.5°	159.0	379.1	599.3	797.0	987.1	1089.1	1103.0	1114.6	1119.6	1124.6	1119.6
30°	148.6	372.3	596.1	792.0	978.5	1077.0	1087.2	1096.7	1103.7	1110.8	1103.7
32.5°	139.4	364.1	588.9	782.4	965.3	1061.7	1071.5	1082.6	1097.8	1113.1	1097.8
35°	125.5	346.7	567.9	759.3	940.7	1039.1	1054.5	1073.1	1101.3	1129.5	1101.3
37.5°	113.7	324.4	535.0	724.5	906.8	1014.1	1046.3	1077.2	1104.4	1131.6	1104.4
40°	106.8	308.7	510.7	698.7	882.1	995.2	1038.2	1076.2	1099.2	1122.3	1099.2
42.5°	99.8	291.0	482.2	668.7	853.6	971.1	1021.2	1064.6	1087.7	1110.8	1087.7
45°	90.9	262.7	434.5	619.3	808.5	932.5	991.5	1041.2	1063.0	1084.8	1063.0
47.5°	82.5	231.8	381.0	566.6	764.4	894.5	957.1	1008.0	1023.9	1039.8	1023.9
50°	77.9	211.3	344.6	530.9	734.8	867.5	929.0	978.4	991.2	1004.0	991.2
52.5°	73.3	191.3	309.2	495.9	705.4	839.1	897.1	943.5	955.3	967.1	955.3
55°	67.8	164.0	260.1	444.8	658.9	791.3	842.0	882.5	892.8	903.1	892.8
57.5°	62.9	140.5	218.1	396.9	609.5	737.4	780.6	815.1	823.5	831.8	823.5
60°	60.6	127.9	195.2	366.9	573.3	696.1	735.2	766.7	775.0	783.3	775.0
62.5°	57.1	115.7	174.3	336.9	534.1	650.7	686.8	715.7	723.6	731.4	723.6
65°	53.4	100.8	148.3	294.8	474.3	579.1	609.2	633.1	638.3	643.4	638.3
67.5°	48.2	88.4	128.7	256.2	412.8	500.4	519.1	530.8	521.2	511.5	521.2
70°	44.7	81.9	119.1	232.7	371.9	444.6	451.0	449.0	421.4	393.8	421.4
72.5°	42.4	75.5	108.6	207.0	327.1	380.1	366.0	342.4	290.2	238.0	290.2
75°	37.5	64.4	91.4	165.4	255.2	269.3	207.7	161.9	163.2	164.5	163.2
77.5°	30.6	50.7	70.8	116.4	170.4	181.1	148.5	124.4	125.5	126.7	125.5
80°	26.0	42.0	58.0	76.0	94.6	103.2	101.9	101.1	101.8	102.4	101.8
82.5°	21.4	33.3	45.2	56.0	66.4	72.2	73.5	74.2	73.3	72.4	73.3
85°	13.0	20.0	27.1	31.3	34.5	33.5	28.4	24.2	22.9	21.6	22.9
87.5°	5.6	9.6	13.8	14.3	13.2	12.6	12.6	12.9	13.2	13.2	13.2
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°	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1
2.5°	341.2	335.1	327.9	321.2	315.1	309.0	303.4	297.7	303.4	309.0	315.1
5°	496.1	462.6	423.5	388.5	357.8	329.9	310.6	291.4	310.6	329.9	357.8
7.5°	831.8	744.8	639.9	538.7	441.2	358.4	319.3	280.1	319.3	358.4	441.2
10°	982.6	909.8	818.7	688.6	519.3	378.8	324.3	269.8	324.3	378.8	519.3
12.5°	1038.1	985.6	921.7	786.4	579.7	406.2	332.2	258.2	332.2	406.2	579.7
15°	1108.7	1064.6	1012.7	873.6	647.2	451.0	345.3	239.5	345.3	451.0	647.2
17.5°	1150.2	1108.9	1057.4	921.8	701.9	501.7	360.9	220.1	360.9	501.7	701.9
20°	1157.3	1122.3	1078.1	949.9	737.6	537.1	371.7	206.3	371.7	537.1	737.6
22.5°	1150.5	1123.5	1090.0	970.2	764.2	563.4	378.5	193.6	378.5	563.4	764.2
25°	1138.0	1120.9	1099.7	990.4	792.9	592.7	384.4	176.0	384.4	592.7	792.9
27.5°	1114.6	1103.0	1089.1	987.1	797.0	599.3	379.1	159.0	379.1	599.3	797.0
30°	1096.7	1087.2	1077.0	978.5	792.0	596.1	372.3	148.6	372.3	596.1	792.0
32.5°	1082.6	1071.5	1061.7	965.3	782.4	588.9	364.1	139.4	364.1	588.9	782.4
35°	1073.1	1054.5	1039.1	940.7	759.3	567.9	346.7	125.5	346.7	567.9	759.3
37.5°	1077.2	1046.3	1014.1	906.8	724.5	535.0	324.4	113.7	324.4	535.0	724.5
40°	1076.2	1038.2	995.2	882.1	698.7	510.7	308.7	106.8	308.7	510.7	698.7
42.5°	1064.6	1021.2	971.1	853.6	668.7	482.2	291.0	99.8	291.0	482.2	668.7
45°	1041.2	991.5	932.5	808.5	619.3	434.5	262.7	90.9	262.7	434.5	619.3
47.5°	1008.0	957.1	894.5	764.4	566.6	381.0	231.8	82.5	231.8	381.0	566.6
50°	978.4	929.0	867.5	734.8	530.9	344.6	211.3	77.9	211.3	344.6	530.9
52.5°	943.5	897.1	839.1	705.4	495.9	309.2	191.3	73.3	191.3	309.2	495.9
55°	882.5	842.0	791.3	658.9	444.8	260.1	164.0	67.8	164.0	260.1	444.8
57.5°	815.1	780.6	737.4	609.5	396.9	218.1	140.5	62.9	140.5	218.1	396.9
60°	766.7	735.2	696.1	573.3	366.9	195.2	127.9	60.6	127.9	195.2	366.9
62.5°	715.7	686.8	650.7	534.1	336.9	174.3	115.7	57.1	115.7	174.3	336.9
65°	633.1	609.2	579.1	474.3	294.8	148.3	100.8	53.4	100.8	148.3	294.8
67.5°	530.8	519.1	500.4	412.8	256.2	128.7	88.4	48.2	88.4	128.7	256.2
70°	449.0	451.0	444.6	371.9	232.7	119.1	81.9	44.7	81.9	119.1	232.7
72.5°	342.4	366.0	380.1	327.1	207.0	108.6	75.5	42.4	75.5	108.6	207.0
75°	161.9	207.7	269.3	255.2	165.4	91.4	64.4	37.5	64.4	91.4	165.4
77.5°	124.4	148.5	181.1	170.4	116.4	70.8	50.7	30.6	50.7	70.8	116.4
80°	101.1	101.9	103.2	94.6	76.0	58.0	42.0	26.0	42.0	58.0	76.0
82.5°	74.2	73.5	72.2	66.4	56.0	45.2	33.3	21.4	33.3	45.2	56.0
85°	24.2	28.4	33.5	34.5	31.3	27.1	20.0	13.0	20.0	27.1	31.3
87.5°	12.9	12.6	12.6	13.2	14.3	13.8	9.6	5.6	9.6	13.5	15.0
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: P1436013

CATALOG NUMBER: SQ2W-FB-K-125U-075D-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: P1436013

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1
2.5°	321.2	327.9	335.1	341.2	344.3	347.4	344.3	341.2	335.1	327.9	321.2
5°	388.5	423.5	462.6	496.1	512.8	529.4	512.8	496.1	462.6	423.5	388.5
7.5°	538.7	639.9	744.8	831.8	865.1	898.4	865.1	831.8	744.8	639.9	538.7
10°	688.6	818.7	909.8	982.6	1000.5	1018.5	1000.5	982.6	909.8	818.7	688.6
12.5°	786.4	921.7	985.6	1038.1	1056.5	1075.0	1056.5	1038.1	985.6	921.7	786.4
15°	873.6	1012.7	1064.6	1108.7	1129.2	1149.7	1129.2	1108.7	1064.6	1012.7	873.6
17.5°	921.8	1057.4	1108.9	1150.2	1161.4	1172.5	1161.4	1150.2	1108.9	1057.4	921.8
20°	949.9	1078.1	1122.3	1157.3	1164.3	1171.4	1164.3	1157.3	1122.3	1078.1	949.9
22.5°	970.2	1090.0	1123.5	1150.5	1158.0	1165.6	1158.0	1150.5	1123.5	1090.0	970.2
25°	990.4	1099.7	1120.9	1138.0	1143.2	1148.3	1143.2	1138.0	1120.9	1099.7	990.4
27.5°	987.1	1089.1	1103.0	1114.6	1119.6	1124.6	1119.6	1114.6	1103.0	1089.1	987.1
30°	978.5	1077.0	1087.2	1096.7	1103.7	1110.8	1103.7	1096.7	1087.2	1077.0	978.5
32.5°	965.3	1061.7	1071.5	1082.6	1097.8	1113.1	1097.8	1082.6	1071.5	1061.7	965.3
35°	940.7	1039.1	1054.5	1073.1	1101.3	1129.5	1101.3	1073.1	1054.5	1039.1	940.7
37.5°	906.8	1014.1	1046.3	1077.2	1104.4	1131.6	1104.4	1077.2	1046.3	1014.1	906.8
40°	882.1	995.2	1038.2	1076.2	1099.2	1122.3	1099.2	1076.2	1038.2	995.2	882.1
42.5°	853.6	971.1	1021.2	1064.6	1087.7	1110.8	1087.7	1064.6	1021.2	971.1	853.6
45°	808.5	932.5	991.5	1041.2	1063.0	1084.8	1063.0	1041.2	991.5	932.5	808.5
47.5°	764.4	894.5	957.1	1008.0	1023.9	1039.8	1023.9	1008.0	957.1	894.5	764.4
50°	734.8	867.5	929.0	978.4	991.2	1004.0	991.2	978.4	929.0	867.5	734.8
52.5°	705.4	839.1	897.1	943.5	955.3	967.1	955.3	943.5	897.1	839.1	705.4
55°	658.9	791.3	842.0	882.5	892.8	903.1	892.8	882.5	842.0	791.3	658.9
57.5°	609.5	737.4	780.6	815.1	823.5	831.8	823.5	815.1	780.6	737.4	609.5
60°	573.3	696.1	735.2	766.7	775.0	783.3	775.0	766.7	735.2	696.1	573.3
62.5°	534.1	650.7	686.8	715.7	723.6	731.4	723.6	715.7	686.8	650.7	534.1
65°	474.3	579.1	609.2	633.1	638.3	643.4	638.3	633.1	609.2	579.1	474.3
67.5°	412.8	500.4	519.1	530.8	521.2	511.5	521.2	530.8	519.1	500.4	412.8
70°	371.9	444.6	451.0	449.0	421.4	393.8	421.4	449.0	451.0	444.6	371.9
72.5°	327.1	380.1	366.0	342.4	290.2	238.0	290.2	342.4	366.0	380.1	327.1
75°	255.2	269.3	207.7	161.9	163.2	164.5	163.2	161.9	207.7	269.3	255.2
77.5°	170.4	181.1	148.5	124.4	125.5	126.7	125.5	124.4	148.5	181.1	170.4
80°	94.6	103.2	101.9	101.1	101.8	102.4	101.8	101.1	101.9	103.2	94.6
82.5°	66.4	72.2	73.5	74.2	73.3	72.4	73.3	74.2	73.5	72.2	66.4
85°	34.5	33.5	28.4	24.2	22.9	21.6	22.9	24.2	28.4	33.5	34.5
87.5°	14.6	15.9	18.3	19.7	21.0	20.4	21.0	19.7	18.3	15.9	14.6
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: P1436013

CATALOG NUMBER: SQ2W-FB-K-125U-075D-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: P1436013

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	300.1	300.1	300.1	300.1
2.5°	315.1	309.0	303.4	297.7
5°	357.8	329.9	310.6	291.4
7.5°	441.2	358.4	319.3	280.1
10°	519.3	378.8	324.3	269.8
12.5°	579.7	406.2	332.2	258.2
15°	647.2	451.0	345.3	239.5
17.5°	701.9	501.7	360.9	220.1
20°	737.6	537.1	371.7	206.3
22.5°	764.2	563.4	378.5	193.6
25°	792.9	592.7	384.4	176.0
27.5°	797.0	599.3	379.1	159.0
30°	792.0	596.1	372.3	148.6
32.5°	782.4	588.9	364.1	139.4
35°	759.3	567.9	346.7	125.5
37.5°	724.5	535.0	324.4	113.7
40°	698.7	510.7	308.7	106.8
42.5°	668.7	482.2	291.0	99.8
45°	619.3	434.5	262.7	90.9
47.5°	566.6	381.0	231.8	82.5
50°	530.9	344.6	211.3	77.9
52.5°	495.9	309.2	191.3	73.3
55°	444.8	260.1	164.0	67.8
57.5°	396.9	218.1	140.5	62.9
60°	366.9	195.2	127.9	60.6
62.5°	336.9	174.3	115.7	57.1
65°	294.8	148.3	100.8	53.4
67.5°	256.2	128.7	88.4	48.2
70°	232.7	119.1	81.9	44.7
72.5°	207.0	108.6	75.5	42.4
75°	165.4	91.4	64.4	37.5
77.5°	116.4	70.8	50.7	30.6
80°	76.0	58.0	42.0	26.0
82.5°	56.0	45.2	33.3	21.4
85°	31.3	27.1	20.0	13.0
87.5°	15.0	13.5	9.6	5.6
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: P1436013

CATALOG NUMBER: SQ2W-FB-K-125U-075D-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: P1436013
 CATALOG NUMBER: SQ2W-FB-K-125U-075D-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	10.41	11.19	11.46	12.25	13.68	20.01	20.79	21.06	21.84	23.28
	3H	11.34	12.04	12.40	13.11	14.56	21.61	22.31	22.67	23.37	24.83
	4H	11.74	12.40	12.81	13.47	14.93	21.78	22.44	22.85	23.51	24.97
	6H	11.99	12.60	13.07	13.67	15.14	21.85	22.46	22.93	23.53	25.01
	8H	12.08	12.66	13.16	13.75	15.21	21.87	22.45	22.95	23.54	25.00
	12H	12.12	12.67	13.21	13.76	15.25	21.84	22.39	22.93	23.47	24.97
4H	2H	15.12	15.78	16.20	16.85	18.31	20.36	21.02	21.44	22.09	23.55
	3H	16.24	16.79	17.33	17.89	19.36	22.24	22.79	23.33	23.89	25.36
	4H	16.52	17.02	17.61	18.11	19.61	22.46	22.97	23.55	24.05	25.55
	6H	16.65	17.08	17.75	18.19	19.68	22.59	23.02	23.69	24.13	25.62
	8H	16.69	17.09	17.79	18.19	19.70	22.63	23.03	23.73	24.14	25.64
	12H	16.68	17.05	17.80	18.17	19.67	22.61	22.97	23.73	24.09	25.60
8H	4H	17.70	18.11	18.80	19.21	20.71	22.54	22.95	23.64	24.05	25.55
	6H	17.96	18.29	19.08	19.44	20.94	22.74	23.07	23.86	24.22	25.72
	8H	18.05	18.35	19.19	19.47	20.99	22.83	23.12	23.96	24.24	25.76
	12H	18.09	18.35	19.23	19.47	21.03	22.83	23.08	23.96	24.21	25.76
12H	4H	17.72	18.09	18.84	19.21	20.71	22.49	22.86	23.61	23.97	25.48
	6H	18.06	18.36	19.19	19.48	21.00	22.72	23.01	23.85	24.14	25.66
	8H	18.20	18.45	19.33	19.58	21.13	22.81	23.07	23.95	24.19	25.75