

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: P1428279

Luminaire Tested: SQ2W-PR1-K-125U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428279
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-125U-050D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

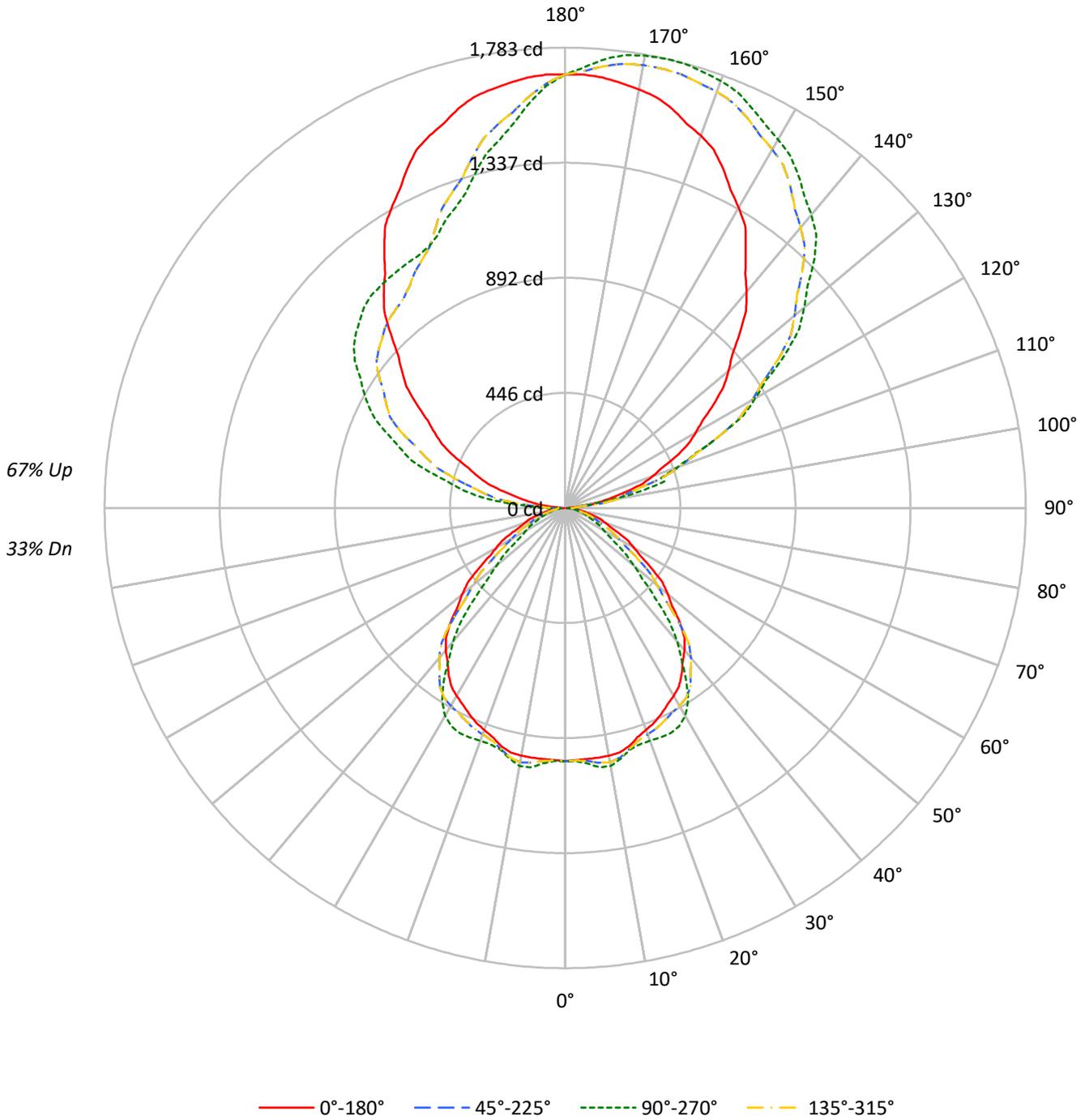
Lumens per Lamp: N/A
Luminaire Lumens: 7269.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 61.8
Input Voltage (V): 120
Input Current (A_{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	103	103	103	103	93	93	93	93	74	74	74	56	56	56	40	40	40	33
1	94	90	87	83	85	81	78	76	65	63	61	50	49	47	36	35	35	28
2	86	79	73	69	77	72	67	63	57	54	51	44	42	40	32	31	30	24
3	79	70	63	58	71	63	57	53	51	47	43	39	37	34	29	27	26	21
4	72	62	55	49	65	56	50	45	45	41	37	35	32	30	26	24	22	18
5	66	55	48	42	60	50	44	39	41	36	32	32	28	26	23	21	20	16
6	61	50	42	36	55	45	38	34	37	32	28	29	25	23	21	19	17	14
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	20	17	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	16	14	11
9	49	37	30	25	44	34	27	23	28	23	20	22	19	16	17	14	13	10
10	45	34	27	22	41	31	25	21	25	21	18	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15839	15839	15839	15839
5°	15818	16110	15818	16110
10°	15985	16641	15985	16641
15°	15980	16197	15980	16197
20°	15721	16494	15721	16494
25°	15677	17173	15677	17173
30°	15660	17338	15660	17338
35°	15512	16143	15512	16143
40°	15154	14206	15154	14206
45°	14339	11234	14339	11234
50°	13036	8716	13036	8716
55°	11457	6784	11457	6784
60°	9913	5586	9913	5586
65°	8558	4890	8558	4890
70°	7695	4343	7695	4343
75°	7049	3992	7049	3992
80°	6137	3905	6137	3905
85°	4446	1852	4446	1852

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 15394 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	1.3
10°-20°	274.3	3.8
20°-30°	423.9	5.8
30°-40°	509.8	7.0
40°-50°	457.8	6.3
50°-60°	306.8	4.2
60°-70°	178.5	2.5
70°-80°	91.7	1.3
80°-90°	29.6	0.4
90°-100°	133.6	1.8
100°-110°	389.6	5.4
110°-120°	635.9	8.7
120°-130°	806.9	11.1
130°-140°	863.4	11.9
140°-150°	806.2	11.1
150°-160°	663.4	9.1
160°-170°	444.9	6.1
170°-180°	158.0	2.2
0°-30°	792.9	10.9
0°-40°	1302.8	17.9
0°-60°	2067.4	28.4
0°-90°	2367.0	32.6
90°-120°	1159.2	15.9
90°-150°	3635.7	50.0
90°-180°	4902.0	67.4
0°-180°	7269.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	981	981	981	981	981	
5°	976	994	976	994	976	93
15°	956	969	956	969	956	268
25°	880	964	880	964	880	406
35°	787	819	787	819	787	491
45°	628	492	628	492	628	480
55°	407	241	407	241	407	366
65°	224	128	224	128	224	227
75°	113	64	113	64	113	120
85°	24	10	24	10	24	30
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°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	977.0	982.3	987.7	985.3	980.3	978.0	978.3	978.9	979.9	981.0	979.9
5°	976.0	983.6	991.1	989.3	984.5	982.5	983.3	985.1	989.6	994.0	989.6
7.5°	975.8	986.6	997.3	998.1	995.7	995.7	998.3	1001.7	1007.5	1013.4	1007.5
10°	975.0	987.9	1000.8	1002.7	1000.9	1000.2	1000.7	1002.6	1008.8	1015.0	1008.8
12.5°	970.2	985.2	1000.3	998.7	991.6	987.7	987.1	987.5	990.8	994.2	990.8
15°	956.0	973.8	991.6	984.3	968.8	961.7	963.0	964.6	966.8	969.0	966.8
17.5°	931.0	949.6	968.2	961.7	946.8	941.8	946.6	951.3	955.7	960.0	955.7
20°	915.0	933.2	951.5	947.0	935.0	932.1	938.3	944.9	952.5	960.0	952.5
22.5°	900.6	918.8	937.1	934.2	924.3	923.8	932.5	941.6	952.0	962.4	952.0
25°	880.0	896.0	912.0	912.3	907.5	912.3	927.0	940.9	952.5	964.0	952.5
27.5°	858.4	867.8	877.3	883.5	888.6	901.1	920.9	937.8	945.9	954.0	945.9
30°	840.0	846.2	852.5	864.0	877.3	892.7	910.0	923.8	926.9	930.0	926.9
32.5°	820.0	823.7	827.5	843.7	864.2	879.0	888.1	894.0	890.0	886.0	890.0
35°	787.0	790.1	793.2	814.0	840.7	850.5	843.3	835.9	827.5	819.0	827.5
37.5°	747.8	754.2	760.6	777.5	798.0	797.8	777.0	759.0	749.3	739.6	749.3
40°	719.0	729.7	740.3	751.7	763.2	753.5	722.3	696.2	685.1	674.0	685.1
42.5°	683.8	700.9	717.9	720.5	718.2	697.2	657.5	624.4	610.8	597.2	610.8
45°	628.0	651.1	674.2	661.0	635.7	601.4	558.3	522.2	507.1	492.0	507.1
47.5°	562.2	585.9	609.7	584.7	543.6	503.8	465.3	432.9	418.7	404.6	418.7
50°	519.0	538.1	557.2	529.0	485.0	445.0	409.0	378.1	362.6	347.0	362.6
52.5°	475.0	488.8	502.6	474.6	432.7	393.8	357.8	327.3	313.1	299.0	313.1
55°	407.0	414.1	421.2	395.3	358.4	322.9	288.7	260.6	250.8	241.0	250.8
57.5°	344.6	349.1	353.7	329.1	294.9	263.3	234.2	210.6	203.4	196.2	203.4
60°	307.0	310.1	313.2	288.3	254.1	225.7	203.0	184.6	178.8	173.0	178.8
62.5°	272.6	275.0	277.4	253.4	220.6	195.2	177.1	162.5	158.2	153.8	158.2
65°	224.0	226.2	228.4	208.0	180.0	159.1	145.3	134.2	131.1	128.0	131.1
67.5°	185.4	186.6	187.7	170.9	148.0	131.2	120.3	111.5	108.5	105.6	108.5
70°	163.0	163.4	163.9	149.0	129.0	114.1	104.3	96.4	94.2	92.0	94.2
72.5°	143.0	142.4	141.8	128.5	111.0	98.2	90.2	83.8	82.3	80.8	82.3
75°	113.0	111.7	110.3	99.3	85.1	75.3	70.0	65.8	64.9	64.0	64.9
77.5°	84.4	83.0	81.6	72.4	60.7	53.9	52.1	50.8	50.8	50.8	50.8
80°	66.0	64.2	62.4	55.3	46.4	42.0	42.0	42.0	42.0	42.0	42.0
82.5°	49.2	46.7	44.2	39.9	34.9	32.4	32.4	32.3	32.0	31.6	32.0
85°	24.0	21.8	19.6	19.0	19.0	17.7	15.0	12.7	11.3	10.0	11.3
87.5°	7.4	8.8	10.5	10.5	9.7	9.2	9.2	9.5	9.9	9.9	9.9
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°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	978.9	978.3	978.0	980.3	985.3	987.7	982.3	977.0	982.3	987.7	985.3
5°	985.1	983.3	982.5	984.5	989.3	991.1	983.6	976.0	983.6	991.1	989.3
7.5°	1001.7	998.3	995.7	995.7	998.1	997.3	986.6	975.8	986.6	997.3	998.1
10°	1002.6	1000.7	1000.2	1000.9	1002.7	1000.8	987.9	975.0	987.9	1000.8	1002.7
12.5°	987.5	987.1	987.7	991.6	998.7	1000.3	985.2	970.2	985.2	1000.3	998.7
15°	964.6	963.0	961.7	968.8	984.3	991.6	973.8	956.0	973.8	991.6	984.3
17.5°	951.3	946.6	941.8	946.8	961.7	968.2	949.6	931.0	949.6	968.2	961.7
20°	944.9	938.3	932.1	935.0	947.0	951.5	933.2	915.0	933.2	951.5	947.0
22.5°	941.6	932.5	923.8	924.3	934.2	937.1	918.8	900.6	918.8	937.1	934.2
25°	940.9	927.0	912.3	907.5	912.3	912.0	896.0	880.0	896.0	912.0	912.3
27.5°	937.8	920.9	901.1	888.6	883.5	877.3	867.8	858.4	867.8	877.3	883.5
30°	923.8	910.0	892.7	877.3	864.0	852.5	846.2	840.0	846.2	852.5	864.0
32.5°	894.0	888.1	879.0	864.2	843.7	827.5	823.7	820.0	823.7	827.5	843.7
35°	835.9	843.3	850.5	840.7	814.0	793.2	790.1	787.0	790.1	793.2	814.0
37.5°	759.0	777.0	797.8	798.0	777.5	760.6	754.2	747.8	754.2	760.6	777.5
40°	696.2	722.3	753.5	763.2	751.7	740.3	729.7	719.0	729.7	740.3	751.7
42.5°	624.4	657.5	697.2	718.2	720.5	717.9	700.9	683.8	700.9	717.9	720.5
45°	522.2	558.3	601.4	635.7	661.0	674.2	651.1	628.0	651.1	674.2	661.0
47.5°	432.9	465.3	503.8	543.6	584.7	609.7	585.9	562.2	585.9	609.7	584.7
50°	378.1	409.0	445.0	485.0	529.0	557.2	538.1	519.0	538.1	557.2	529.0
52.5°	327.3	357.8	393.8	432.7	474.6	502.6	488.8	475.0	488.8	502.6	474.6
55°	260.6	288.7	322.9	358.4	395.3	421.2	414.1	407.0	414.1	421.2	395.3
57.5°	210.6	234.2	263.3	294.9	329.1	353.7	349.1	344.6	349.1	353.7	329.1
60°	184.6	203.0	225.7	254.1	288.3	313.2	310.1	307.0	310.1	313.2	288.3
62.5°	162.5	177.1	195.2	220.6	253.4	277.4	275.0	272.6	275.0	277.4	253.4
65°	134.2	145.3	159.1	180.0	208.0	228.4	226.2	224.0	226.2	228.4	208.0
67.5°	111.5	120.3	131.2	148.0	170.9	187.7	186.6	185.4	186.6	187.7	170.9
70°	96.4	104.3	114.1	129.0	149.0	163.9	163.4	163.0	163.4	163.9	149.0
72.5°	83.8	90.2	98.2	111.0	128.5	141.8	142.4	143.0	142.4	141.8	128.5
75°	65.8	70.0	75.3	85.1	99.3	110.3	111.7	113.0	111.7	110.3	99.3
77.5°	50.8	52.1	53.9	60.7	72.4	81.6	83.0	84.4	83.0	81.6	72.4
80°	42.0	42.0	42.0	46.4	55.3	62.4	64.2	66.0	64.2	62.4	55.3
82.5°	32.3	32.4	32.4	34.9	39.9	44.2	46.7	49.2	46.7	44.2	39.9
85°	12.7	15.0	17.7	19.0	19.0	19.6	21.8	24.0	21.8	19.6	19.0
87.5°	9.5	9.2	9.2	9.7	10.5	10.5	8.8	7.4	8.8	10.1	11.2
90°	35.6	33.9	33.9	32.2	27.1	20.3	11.9	5.1	11.9	18.7	30.5
92.5°	42.4	42.1	39.3	36.3	29.8	29.8	29.5	18.7	32.2	45.8	65.8
95°	39.0	39.0	45.8	57.7	84.8	86.5	57.7	52.6	74.6	105.1	132.3
97.5°	105.5	125.5	154.0	159.4	150.9	112.6	107.9	100.4	136.7	166.9	210.6
100°	195.0	220.5	240.8	200.1	157.7	156.0	145.8	142.4	181.5	210.3	252.7
102.5°	304.9	312.7	242.2	219.1	209.3	202.1	186.5	184.5	223.5	263.2	298.8
105°	330.7	296.8	298.5	298.5	291.7	278.1	249.3	247.6	291.7	337.5	381.6
107.5°	389.0	394.1	402.9	400.9	393.1	356.8	322.9	315.1	354.8	409.7	458.2
110°	466.3	471.4	474.8	471.4	459.6	413.8	373.1	361.2	396.8	454.5	507.0



TEST NUMBER: P1428279

CATALOG NUMBER: SQ2W-PR1-K-125U-050D-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: P1428279

CATALOG NUMBER: SQ2W-PR1-K-125U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	980.3	978.0	978.3	978.9	979.9	981.0	979.9	978.9	978.3	978.0	980.3
5°	984.5	982.5	983.3	985.1	989.6	994.0	989.6	985.1	983.3	982.5	984.5
7.5°	995.7	995.7	998.3	1001.7	1007.5	1013.4	1007.5	1001.7	998.3	995.7	995.7
10°	1000.9	1000.2	1000.7	1002.6	1008.8	1015.0	1008.8	1002.6	1000.7	1000.2	1000.9
12.5°	991.6	987.7	987.1	987.5	990.8	994.2	990.8	987.5	987.1	987.7	991.6
15°	968.8	961.7	963.0	964.6	966.8	969.0	966.8	964.6	963.0	961.7	968.8
17.5°	946.8	941.8	946.6	951.3	955.7	960.0	955.7	951.3	946.6	941.8	946.8
20°	935.0	932.1	938.3	944.9	952.5	960.0	952.5	944.9	938.3	932.1	935.0
22.5°	924.3	923.8	932.5	941.6	952.0	962.4	952.0	941.6	932.5	923.8	924.3
25°	907.5	912.3	927.0	940.9	952.5	964.0	952.5	940.9	927.0	912.3	907.5
27.5°	888.6	901.1	920.9	937.8	945.9	954.0	945.9	937.8	920.9	901.1	888.6
30°	877.3	892.7	910.0	923.8	926.9	930.0	926.9	923.8	910.0	892.7	877.3
32.5°	864.2	879.0	888.1	894.0	890.0	886.0	890.0	894.0	888.1	879.0	864.2
35°	840.7	850.5	843.3	835.9	827.5	819.0	827.5	835.9	843.3	850.5	840.7
37.5°	798.0	797.8	777.0	759.0	749.3	739.6	749.3	759.0	777.0	797.8	798.0
40°	763.2	753.5	722.3	696.2	685.1	674.0	685.1	696.2	722.3	753.5	763.2
42.5°	718.2	697.2	657.5	624.4	610.8	597.2	610.8	624.4	657.5	697.2	718.2
45°	635.7	601.4	558.3	522.2	507.1	492.0	507.1	522.2	558.3	601.4	635.7
47.5°	543.6	503.8	465.3	432.9	418.7	404.6	418.7	432.9	465.3	503.8	543.6
50°	485.0	445.0	409.0	378.1	362.6	347.0	362.6	378.1	409.0	445.0	485.0
52.5°	432.7	393.8	357.8	327.3	313.1	299.0	313.1	327.3	357.8	393.8	432.7
55°	358.4	322.9	288.7	260.6	250.8	241.0	250.8	260.6	288.7	322.9	358.4
57.5°	294.9	263.3	234.2	210.6	203.4	196.2	203.4	210.6	234.2	263.3	294.9
60°	254.1	225.7	203.0	184.6	178.8	173.0	178.8	184.6	203.0	225.7	254.1
62.5°	220.6	195.2	177.1	162.5	158.2	153.8	158.2	162.5	177.1	195.2	220.6
65°	180.0	159.1	145.3	134.2	131.1	128.0	131.1	134.2	145.3	159.1	180.0
67.5°	148.0	131.2	120.3	111.5	108.5	105.6	108.5	111.5	120.3	131.2	148.0
70°	129.0	114.1	104.3	96.4	94.2	92.0	94.2	96.4	104.3	114.1	129.0
72.5°	111.0	98.2	90.2	83.8	82.3	80.8	82.3	83.8	90.2	98.2	111.0
75°	85.1	75.3	70.0	65.8	64.9	64.0	64.9	65.8	70.0	75.3	85.1
77.5°	60.7	53.9	52.1	50.8	50.8	50.8	50.8	50.8	52.1	53.9	60.7
80°	46.4	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	46.4
82.5°	34.9	32.4	32.4	32.3	32.0	31.6	32.0	32.3	32.4	32.4	34.9
85°	19.0	17.7	15.0	12.7	11.3	10.0	11.3	12.7	15.0	17.7	19.0
87.5°	11.1	12.6	14.9	16.3	17.7	17.0	17.7	16.3	14.9	12.6	11.1
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: P1428279

CATALOG NUMBER: SQ2W-PR1-K-125U-050D-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: P1428279

CATALOG NUMBER: SQ2W-PR1-K-125U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	981.0	981.0	981.0	981.0
2.5°	985.3	987.7	982.3	977.0
5°	989.3	991.1	983.6	976.0
7.5°	998.1	997.3	986.6	975.8
10°	1002.7	1000.8	987.9	975.0
12.5°	998.7	1000.3	985.2	970.2
15°	984.3	991.6	973.8	956.0
17.5°	961.7	968.2	949.6	931.0
20°	947.0	951.5	933.2	915.0
22.5°	934.2	937.1	918.8	900.6
25°	912.3	912.0	896.0	880.0
27.5°	883.5	877.3	867.8	858.4
30°	864.0	852.5	846.2	840.0
32.5°	843.7	827.5	823.7	820.0
35°	814.0	793.2	790.1	787.0
37.5°	777.5	760.6	754.2	747.8
40°	751.7	740.3	729.7	719.0
42.5°	720.5	717.9	700.9	683.8
45°	661.0	674.2	651.1	628.0
47.5°	584.7	609.7	585.9	562.2
50°	529.0	557.2	538.1	519.0
52.5°	474.6	502.6	488.8	475.0
55°	395.3	421.2	414.1	407.0
57.5°	329.1	353.7	349.1	344.6
60°	288.3	313.2	310.1	307.0
62.5°	253.4	277.4	275.0	272.6
65°	208.0	228.4	226.2	224.0
67.5°	170.9	187.7	186.6	185.4
70°	149.0	163.9	163.4	163.0
72.5°	128.5	141.8	142.4	143.0
75°	99.3	110.3	111.7	113.0
77.5°	72.4	81.6	83.0	84.4
80°	55.3	62.4	64.2	66.0
82.5°	39.9	44.2	46.7	49.2
85°	19.0	19.6	21.8	24.0
87.5°	11.2	10.1	8.8	7.4
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: P1428279

CATALOG NUMBER: SQ2W-PR1-K-125U-050D-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: P1428279
 CATALOG NUMBER: SQ2W-PR1-K-125U-050D-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	14.37	15.07	15.47	16.16	17.67	10.74	11.44	11.84	12.53	14.04
	3H	15.56	16.19	16.67	17.29	18.81	11.89	12.51	13.00	13.61	15.13
	4H	16.04	16.63	17.16	17.74	19.26	12.34	12.94	13.46	14.04	15.56
	6H	16.33	16.88	17.46	17.98	19.52	12.68	13.22	13.80	14.33	15.86
	8H	16.43	16.95	17.56	18.07	19.60	12.81	13.33	13.94	14.45	15.98
	12H	16.46	16.96	17.60	18.07	19.62	12.84	13.33	13.97	14.44	16.00
4H	2H	14.45	15.05	15.58	16.15	17.67	11.43	12.02	12.56	13.12	14.65
	3H	15.90	16.39	17.03	17.52	19.06	12.77	13.26	13.90	14.39	15.93
	4H	16.52	16.97	17.66	18.09	19.65	13.31	13.76	14.44	14.88	16.44
	6H	16.94	17.33	18.09	18.47	20.02	13.73	14.12	14.87	15.26	16.81
	8H	17.10	17.46	18.24	18.59	20.16	13.91	14.28	15.05	15.41	16.97
	12H	17.16	17.49	18.32	18.63	20.20	13.95	14.28	15.11	15.43	17.00
8H	4H	16.53	16.90	17.68	18.03	19.59	13.62	13.99	14.77	15.12	16.68
	6H	17.06	17.36	18.22	18.53	20.10	14.16	14.46	15.32	15.63	17.20
	8H	17.30	17.56	18.46	18.71	20.29	14.42	14.68	15.59	15.84	17.42
	12H	17.41	17.64	18.58	18.79	20.41	14.51	14.74	15.68	15.89	17.51
12H	4H	16.49	16.81	17.64	17.96	19.53	13.64	13.96	14.79	15.11	16.68
	6H	17.05	17.31	18.22	18.47	20.05	14.23	14.49	15.40	15.65	17.23
	8H	17.30	17.52	18.47	18.68	20.29	14.51	14.74	15.68	15.89	17.51