

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: P1436009

Luminaire Tested: SQ2W-FB-K-125U-075D-L830-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436009
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-L830-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

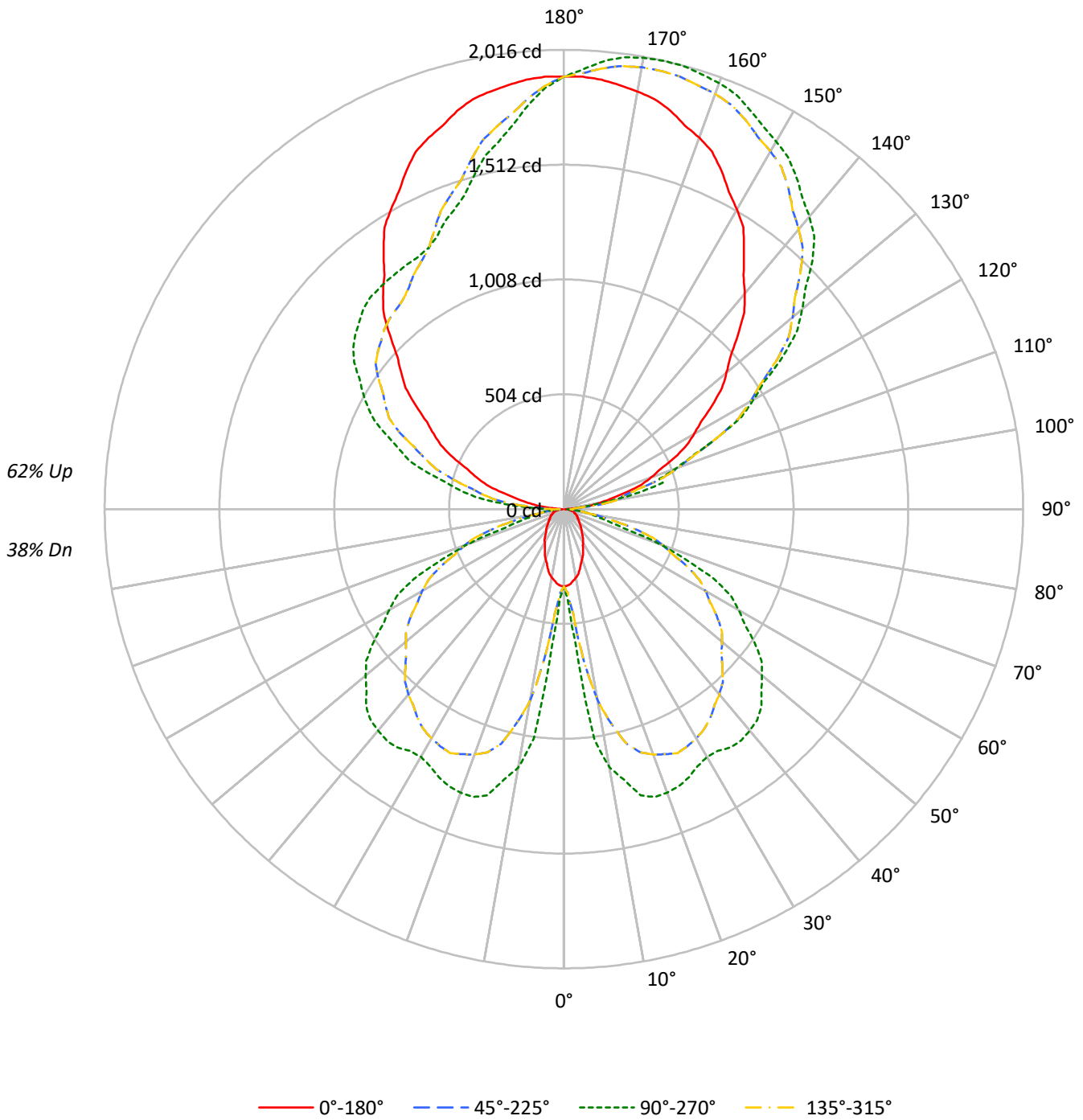
Lumens per Lamp: N/A
Luminaire Lumens: 8900.9 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 70.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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°	5478	5478	5478	5478
5°	5340	9702	5340	9702
10°	5000	18878	5000	18878
15°	4526	21728	4526	21728
20°	4007	22755	4007	22755
25°	3545	23129	3545	23129
30°	3132	23414	3132	23414
35°	2797	25172	2797	25172
40°	2544	26746	2544	26746
45°	2347	28005	2347	28005
50°	2213	28514	2213	28514
55°	2159	28740	2159	28740
60°	2212	28600	2212	28600
65°	2304	27789	2304	27789
70°	2389	21021	2389	21021
75°	2645	11597	2645	11597
80°	2734	10767	2734	10767
85°	2723	4539	2723	4539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 29002 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	0.6
10°-20°	259.3	2.9
20°-30°	456.4	5.1
30°-40°	590.8	6.6
40°-50°	651.5	7.3
50°-60°	608.1	6.8
60°-70°	469.8	5.3
70°-80°	216.6	2.4
80°-90°	49.3	0.6
90°-100°	151.1	1.7
100°-110°	440.5	4.9
110°-120°	719.0	8.1
120°-130°	912.3	10.2
130°-140°	976.2	11.0
140°-150°	911.5	10.2
150°-160°	750.1	8.4
160°-170°	503.1	5.7
170°-180°	178.6	2.0
0°-30°	772.6	8.7
0°-40°	1363.3	15.3
0°-60°	2622.9	29.5
0°-90°	3358.5	37.7
90°-120°	1310.6	14.7
90°-150°	4110.6	46.2
90°-180°	5542.0	62.3
0°-180°	8900.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	339	339	339	339	339	
5°	330	599	330	599	330	31
15°	271	1300	271	1300	271	75
25°	199	1298	199	1298	199	91
35°	142	1277	142	1277	142	89
45°	103	1226	103	1226	103	80
55°	77	1021	77	1021	77	69
65°	60	727	60	727	60	59
75°	42	186	42	186	42	44
85°	15	24	15	24	15	15
90°	6	42	6	82	6	5
95°	59	44	59	259	59	72
105°	280	449	280	617	280	298
115°	537	744	537	916	537	529
125°	794	1179	794	1124	794	710
135°	1080	1544	1080	1244	1080	834
145°	1379	1779	1379	1271	1379	863
155°	1637	1933	1637	1319	1637	753
165°	1810	2015	1810	1519	1810	510
175°	1892	1973	1892	1781	1892	180
180°	1898	1898	1898	1898	1898	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3
2.5°	336.6	343.0	349.4	356.2	363.2	370.7	378.8	385.8	389.3	392.8	389.3
5°	329.5	351.2	373.0	404.5	439.3	478.8	523.0	560.9	579.7	598.6	579.7
7.5°	316.7	361.0	405.2	498.9	609.1	723.5	842.1	940.4	978.1	1015.8	978.1
10°	305.0	366.6	428.2	587.2	778.6	925.7	1028.6	1110.9	1131.2	1151.5	1131.2
12.5°	292.0	375.6	459.3	655.5	889.2	1042.1	1114.3	1173.7	1194.6	1215.5	1194.6
15°	270.8	390.4	510.0	731.8	987.7	1145.0	1203.7	1253.5	1276.7	1299.9	1276.7
17.5°	248.9	408.1	567.3	793.6	1042.2	1195.6	1253.7	1300.5	1313.1	1325.7	1313.1
20°	233.2	420.3	607.3	834.0	1074.0	1218.9	1269.0	1308.5	1316.4	1324.4	1316.4
22.5°	218.9	427.9	637.0	864.0	1097.0	1232.4	1270.3	1300.8	1309.3	1317.9	1309.3
25°	199.0	434.6	670.2	896.5	1119.8	1243.4	1267.3	1286.7	1292.5	1298.3	1292.5
27.5°	179.7	428.7	677.6	901.1	1116.1	1231.4	1247.1	1260.3	1265.9	1271.6	1265.9
30°	168.0	421.0	674.0	895.4	1106.4	1217.7	1229.3	1240.0	1247.9	1255.9	1247.9
32.5°	157.6	411.7	665.9	884.6	1091.5	1200.4	1211.4	1224.0	1241.3	1258.5	1241.3
35°	141.9	392.0	642.1	858.5	1063.6	1174.9	1192.3	1213.3	1245.2	1277.1	1245.2
37.5°	128.5	366.7	604.9	819.1	1025.3	1146.5	1182.9	1217.9	1248.7	1279.4	1248.7
40°	120.7	349.0	577.4	790.0	997.3	1125.2	1173.8	1216.8	1242.9	1269.0	1242.9
42.5°	112.9	329.0	545.2	756.0	965.1	1098.0	1154.7	1203.7	1229.8	1255.9	1229.8
45°	102.8	297.0	491.3	700.3	914.1	1054.4	1121.1	1177.2	1201.9	1226.5	1201.9
47.5°	93.3	262.1	430.8	640.7	864.2	1011.4	1082.1	1139.7	1157.7	1175.7	1157.7
50°	88.1	238.9	389.6	600.2	830.7	980.8	1050.4	1106.2	1120.7	1135.2	1120.7
52.5°	82.9	216.2	349.6	560.6	797.5	948.8	1014.3	1066.8	1080.1	1093.5	1080.1
55°	76.7	185.4	294.1	502.9	745.0	894.7	952.0	997.8	1009.4	1021.0	1009.4
57.5°	71.1	158.8	246.5	448.8	689.1	833.8	882.6	921.6	931.0	940.5	931.0
60°	68.5	144.6	220.7	414.8	648.2	787.1	831.3	866.8	876.2	885.7	876.2
62.5°	64.6	130.8	197.1	380.9	603.9	735.7	776.5	809.3	818.1	826.9	818.1
65°	60.3	114.0	167.6	333.3	536.3	654.8	688.8	715.8	721.6	727.4	721.6
67.5°	54.5	100.0	145.5	289.7	466.7	565.8	587.0	600.1	589.2	578.4	589.2
70°	50.6	92.6	134.7	263.1	420.4	502.7	510.0	507.6	476.4	445.3	476.4
72.5°	48.0	85.4	122.8	234.0	369.8	429.8	413.8	387.1	328.1	269.1	328.1
75°	42.4	72.9	103.3	187.0	288.5	304.5	234.9	183.0	184.5	185.9	184.5
77.5°	34.6	57.3	80.1	131.6	192.6	204.7	167.9	140.6	141.9	143.2	141.9
80°	29.4	47.5	65.6	85.9	106.9	116.7	115.3	114.4	115.1	115.8	115.1
82.5°	24.1	37.6	51.1	63.3	75.0	81.6	83.1	83.9	82.9	81.9	82.9
85°	14.7	22.7	30.6	35.3	39.0	37.9	32.1	27.4	25.9	24.5	25.9
87.5°	6.4	10.8	15.6	16.1	15.0	14.2	14.2	14.6	15.0	15.0	15.0
90°	5.8	13.4	23.0	30.7	36.4	38.3	38.3	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.7	33.7	41.0	44.5	47.6	47.9	49.9	49.9	49.9
95°	59.4	65.2	97.8	95.9	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.5	121.9	127.3	170.6	180.2	174.1	141.9	119.3	106.6	100.9	106.6
100°	161.1	164.9	176.4	178.3	226.2	272.3	249.3	220.5	210.9	205.2	210.9
102.5°	208.6	210.9	228.5	236.6	247.7	273.8	353.6	344.7	338.2	337.1	338.2
105°	279.9	281.9	314.4	329.8	337.5	337.5	335.5	373.9	435.2	448.7	435.2
107.5°	356.2	365.1	403.4	444.4	453.3	455.6	445.6	439.8	437.5	439.1	437.5
110°	408.4	421.8	467.8	519.6	533.0	536.9	533.0	527.3	523.4	523.4	523.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.0	478.6	530.7	590.2	612.8	624.3	615.9	611.6	607.8	610.9	607.8
115°	536.9	565.6	634.6	696.0	742.0	747.8	745.9	745.9	743.9	743.9	743.9
117.5°	609.0	655.0	732.4	803.8	857.1	872.4	880.1	877.8	875.5	879.3	875.5
120°	659.6	713.3	801.5	882.0	933.8	956.8	964.4	960.6	964.4	960.6	964.4
122.5°	713.3	779.2	865.9	949.5	1010.5	1036.5	1045.7	1046.5	1047.3	1045.0	1047.3
125°	793.8	874.3	975.9	1062.2	1125.5	1156.2	1163.8	1165.8	1169.6	1179.2	1169.6
127.5°	875.1	966.4	1077.9	1161.2	1226.0	1263.2	1275.0	1279.3	1287.3	1291.5	1287.3
130°	931.8	1035.4	1148.5	1227.1	1290.4	1330.7	1351.7	1357.5	1367.1	1365.2	1367.1
132.5°	991.7	1099.8	1214.5	1296.1	1354.8	1398.1	1416.2	1432.7	1436.1	1438.8	1436.1
135°	1079.5	1196.4	1311.5	1392.0	1447.6	1489.8	1512.8	1528.1	1537.7	1543.5	1537.7
137.5°	1171.9	1295.4	1405.8	1477.5	1533.5	1569.9	1596.0	1612.1	1622.1	1626.7	1622.1
140°	1234.8	1353.7	1461.0	1535.8	1585.7	1622.1	1645.1	1664.3	1675.8	1675.8	1675.8
142.5°	1294.6	1411.9	1516.3	1591.0	1634.7	1668.1	1692.6	1707.2	1720.3	1720.3	1720.3
145°	1378.6	1495.5	1591.4	1666.2	1702.6	1733.3	1760.1	1771.6	1779.3	1779.3	1779.3
147.5°	1466.4	1569.9	1657.4	1729.1	1759.8	1795.8	1816.9	1826.1	1835.7	1831.5	1835.7
150°	1518.6	1614.4	1698.8	1765.9	1796.6	1831.1	1852.2	1859.8	1869.4	1863.7	1869.4
152.5°	1569.2	1660.4	1737.1	1799.6	1825.7	1860.2	1884.4	1892.1	1898.6	1894.4	1898.6
155°	1637.4	1718.0	1788.9	1846.4	1869.4	1902.0	1925.0	1934.6	1942.3	1932.7	1942.3
157.5°	1698.4	1767.8	1829.5	1882.5	1907.0	1935.0	1956.5	1968.4	1976.0	1971.8	1976.0
160°	1735.2	1798.5	1854.1	1903.9	1927.0	1951.9	1974.9	1988.3	1996.0	1990.2	1996.0
162.5°	1765.9	1823.0	1875.6	1920.8	1940.8	1962.6	1990.2	2002.1	2009.8	2002.5	2009.8
165°	1810.0	1856.0	1902.0	1940.4	1957.6	1974.9	2003.6	2017.1	2022.8	2015.1	2022.8
167.5°	1843.4	1878.6	1915.8	1948.8	1961.5	1978.3	2007.1	2018.2	2025.5	2015.9	2025.5
170°	1861.8	1892.4	1925.0	1951.9	1961.5	1976.8	2005.6	2015.1	2020.9	2011.3	2020.9
172.5°	1877.1	1900.1	1926.6	1950.3	1955.3	1967.6	1994.8	2004.4	2008.6	2000.6	2008.6
175°	1892.4	1905.9	1925.0	1940.4	1938.5	1946.1	1969.1	1976.8	1984.5	1973.0	1984.5
177.5°	1899.7	1905.9	1912.0	1921.2	1915.1	1915.1	1931.9	1936.5	1938.1	1931.9	1938.1
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3
2.5°	385.8	378.8	370.7	363.2	356.2	349.4	343.0	336.6	343.0	349.4	356.2
5°	560.9	523.0	478.8	439.3	404.5	373.0	351.2	329.5	351.2	373.0	404.5
7.5°	940.4	842.1	723.5	609.1	498.9	405.2	361.0	316.7	361.0	405.2	498.9
10°	1110.9	1028.6	925.7	778.6	587.2	428.2	366.6	305.0	366.6	428.2	587.2
12.5°	1173.7	1114.3	1042.1	889.2	655.5	459.3	375.6	292.0	375.6	459.3	655.5
15°	1253.5	1203.7	1145.0	987.7	731.8	510.0	390.4	270.8	390.4	510.0	731.8
17.5°	1300.5	1253.7	1195.6	1042.2	793.6	567.3	408.1	248.9	408.1	567.3	793.6
20°	1308.5	1269.0	1218.9	1074.0	834.0	607.3	420.3	233.2	420.3	607.3	834.0
22.5°	1300.8	1270.3	1232.4	1097.0	864.0	637.0	427.9	218.9	427.9	637.0	864.0
25°	1286.7	1267.3	1243.4	1119.8	896.5	670.2	434.6	199.0	434.6	670.2	896.5
27.5°	1260.3	1247.1	1231.4	1116.1	901.1	677.6	428.7	179.7	428.7	677.6	901.1
30°	1240.0	1229.3	1217.7	1106.4	895.4	674.0	421.0	168.0	421.0	674.0	895.4
32.5°	1224.0	1211.4	1200.4	1091.5	884.6	665.9	411.7	157.6	411.7	665.9	884.6
35°	1213.3	1192.3	1174.9	1063.6	858.5	642.1	392.0	141.9	392.0	642.1	858.5
37.5°	1217.9	1182.9	1146.5	1025.3	819.1	604.9	366.7	128.5	366.7	604.9	819.1
40°	1216.8	1173.8	1125.2	997.3	790.0	577.4	349.0	120.7	349.0	577.4	790.0
42.5°	1203.7	1154.7	1098.0	965.1	756.0	545.2	329.0	112.9	329.0	545.2	756.0
45°	1177.2	1121.1	1054.4	914.1	700.3	491.3	297.0	102.8	297.0	491.3	700.3
47.5°	1139.7	1082.1	1011.4	864.2	640.7	430.8	262.1	93.3	262.1	430.8	640.7
50°	1106.2	1050.4	980.8	830.7	600.2	389.6	238.9	88.1	238.9	389.6	600.2
52.5°	1066.8	1014.3	948.8	797.5	560.6	349.6	216.2	82.9	216.2	349.6	560.6
55°	997.8	952.0	894.7	745.0	502.9	294.1	185.4	76.7	185.4	294.1	502.9
57.5°	921.6	882.6	833.8	689.1	448.8	246.5	158.8	71.1	158.8	246.5	448.8
60°	866.8	831.3	787.1	648.2	414.8	220.7	144.6	68.5	144.6	220.7	414.8
62.5°	809.3	776.5	735.7	603.9	380.9	197.1	130.8	64.6	130.8	197.1	380.9
65°	715.8	688.8	654.8	536.3	333.3	167.6	114.0	60.3	114.0	167.6	333.3
67.5°	600.1	587.0	565.8	466.7	289.7	145.5	100.0	54.5	100.0	145.5	289.7
70°	507.6	510.0	502.7	420.4	263.1	134.7	92.6	50.6	92.6	134.7	263.1
72.5°	387.1	413.8	429.8	369.8	234.0	122.8	85.4	48.0	85.4	122.8	234.0
75°	183.0	234.9	304.5	288.5	187.0	103.3	72.9	42.4	72.9	103.3	187.0
77.5°	140.6	167.9	204.7	192.6	131.6	80.1	57.3	34.6	57.3	80.1	131.6
80°	114.4	115.3	116.7	106.9	85.9	65.6	47.5	29.4	47.5	65.6	85.9
82.5°	83.9	83.1	81.6	75.0	63.3	51.1	37.6	24.1	37.6	51.1	63.3
85°	27.4	32.1	37.9	39.0	35.3	30.6	22.7	14.7	22.7	30.6	35.3
87.5°	14.6	14.2	14.2	15.0	16.1	15.6	10.8	6.4	10.8	15.2	16.9
90°	40.3	38.3	38.3	36.4	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	47.9	47.6	44.5	41.0	33.7	33.7	33.4	21.1	36.4	51.8	74.4
95°	44.1	44.1	51.8	65.2	95.9	97.8	65.2	59.4	84.4	118.9	149.6
97.5°	119.3	141.9	174.1	180.2	170.6	127.3	121.9	113.5	154.5	188.7	238.1
100°	220.5	249.3	272.3	226.2	178.3	176.4	164.9	161.1	205.2	237.8	285.7
102.5°	344.7	353.6	273.8	247.7	236.6	228.5	210.9	208.6	252.7	297.6	337.8
105°	373.9	335.5	337.5	337.5	329.8	314.4	281.9	279.9	329.8	381.6	431.4
107.5°	439.8	445.6	455.6	453.3	444.4	403.4	365.1	356.2	401.1	463.2	518.1
110°	527.3	533.0	536.9	533.0	519.6	467.8	421.8	408.4	448.7	513.9	573.3



TEST NUMBER: P1436009

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	611.6	615.9	624.3	612.8	590.2	530.7	478.6	459.0	499.3	566.0	627.0
115°	745.9	745.9	747.8	742.0	696.0	634.6	565.6	536.9	571.4	632.7	699.8
117.5°	877.8	880.1	872.4	857.1	803.8	732.4	655.0	609.0	636.2	701.0	770.0
120°	960.6	964.4	956.8	933.8	882.0	801.5	713.3	659.6	680.7	743.9	813.0
122.5°	1046.5	1045.7	1036.5	1010.5	949.5	865.9	779.2	713.3	722.1	780.8	848.2
125°	1165.8	1163.8	1156.2	1125.5	1062.2	975.9	874.3	793.8	782.3	832.1	901.2
127.5°	1279.3	1275.0	1263.2	1226.0	1161.2	1077.9	966.4	875.1	849.4	880.8	944.1
130°	1357.5	1351.7	1330.7	1290.4	1227.1	1148.5	1035.4	931.8	895.4	914.6	970.2
132.5°	1432.7	1416.2	1398.1	1354.8	1296.1	1214.5	1099.8	991.7	941.4	949.9	993.2
135°	1528.1	1512.8	1489.8	1447.6	1392.0	1311.5	1196.4	1079.5	1010.5	1002.8	1027.7
137.5°	1612.1	1596.0	1569.9	1533.5	1477.5	1405.8	1295.4	1171.9	1084.8	1059.2	1068.7
140°	1664.3	1645.1	1622.1	1585.7	1535.8	1461.0	1353.7	1234.8	1137.0	1100.6	1094.8
142.5°	1707.2	1692.6	1668.1	1634.7	1591.0	1516.3	1411.9	1294.6	1190.7	1143.5	1130.1
145°	1771.6	1760.1	1733.3	1702.6	1666.2	1591.4	1495.5	1378.6	1275.0	1213.7	1184.9
147.5°	1826.1	1816.9	1795.8	1759.8	1729.1	1657.4	1569.9	1466.4	1360.2	1284.3	1247.1
150°	1859.8	1852.2	1831.1	1796.6	1765.9	1698.8	1614.4	1518.6	1416.9	1336.4	1288.5
152.5°	1892.1	1884.4	1860.2	1825.7	1799.6	1737.1	1660.4	1569.2	1466.0	1385.5	1336.0
155°	1934.6	1925.0	1902.0	1869.4	1846.4	1788.9	1718.0	1637.4	1549.2	1464.9	1409.3
157.5°	1968.4	1956.5	1935.0	1907.0	1882.5	1829.5	1767.8	1698.4	1621.3	1540.8	1484.0
160°	1988.3	1974.9	1951.9	1927.0	1903.9	1854.1	1798.5	1735.2	1664.3	1591.4	1530.1
162.5°	2002.1	1990.2	1962.6	1940.8	1920.8	1875.6	1823.0	1765.9	1702.6	1639.0	1582.2
165°	2017.1	2003.6	1974.9	1957.6	1940.4	1902.0	1856.0	1810.0	1756.3	1704.5	1658.5
167.5°	2018.2	2007.1	1978.3	1961.5	1948.8	1915.8	1878.6	1843.4	1801.6	1760.9	1722.6
170°	2015.1	2005.6	1976.8	1961.5	1951.9	1925.0	1892.4	1861.8	1829.2	1794.7	1764.0
172.5°	2004.4	1994.8	1967.6	1955.3	1950.3	1926.6	1900.1	1877.1	1849.1	1823.8	1799.3
175°	1976.8	1969.1	1946.1	1938.5	1940.4	1925.0	1905.9	1892.4	1875.2	1859.8	1846.4
177.5°	1936.5	1931.9	1915.1	1915.1	1921.2	1912.0	1905.9	1899.7	1892.1	1887.5	1882.9
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1436009

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3
2.5°	363.2	370.7	378.8	385.8	389.3	392.8	389.3	385.8	378.8	370.7	363.2
5°	439.3	478.8	523.0	560.9	579.7	598.6	579.7	560.9	523.0	478.8	439.3
7.5°	609.1	723.5	842.1	940.4	978.1	1015.8	978.1	940.4	842.1	723.5	609.1
10°	778.6	925.7	1028.6	1110.9	1131.2	1151.5	1131.2	1110.9	1028.6	925.7	778.6
12.5°	889.2	1042.1	1114.3	1173.7	1194.6	1215.5	1194.6	1173.7	1114.3	1042.1	889.2
15°	987.7	1145.0	1203.7	1253.5	1276.7	1299.9	1276.7	1253.5	1203.7	1145.0	987.7
17.5°	1042.2	1195.6	1253.7	1300.5	1313.1	1325.7	1313.1	1300.5	1253.7	1195.6	1042.2
20°	1074.0	1218.9	1269.0	1308.5	1316.4	1324.4	1316.4	1308.5	1269.0	1218.9	1074.0
22.5°	1097.0	1232.4	1270.3	1300.8	1309.3	1317.9	1309.3	1300.8	1270.3	1232.4	1097.0
25°	1119.8	1243.4	1267.3	1286.7	1292.5	1298.3	1292.5	1286.7	1267.3	1243.4	1119.8
27.5°	1116.1	1231.4	1247.1	1260.3	1265.9	1271.6	1265.9	1260.3	1247.1	1231.4	1116.1
30°	1106.4	1217.7	1229.3	1240.0	1247.9	1255.9	1247.9	1240.0	1229.3	1217.7	1106.4
32.5°	1091.5	1200.4	1211.4	1224.0	1241.3	1258.5	1241.3	1224.0	1211.4	1200.4	1091.5
35°	1063.6	1174.9	1192.3	1213.3	1245.2	1277.1	1245.2	1213.3	1192.3	1174.9	1063.6
37.5°	1025.3	1146.5	1182.9	1217.9	1248.7	1279.4	1248.7	1217.9	1182.9	1146.5	1025.3
40°	997.3	1125.2	1173.8	1216.8	1242.9	1269.0	1242.9	1216.8	1173.8	1125.2	997.3
42.5°	965.1	1098.0	1154.7	1203.7	1229.8	1255.9	1229.8	1203.7	1154.7	1098.0	965.1
45°	914.1	1054.4	1121.1	1177.2	1201.9	1226.5	1201.9	1177.2	1121.1	1054.4	914.1
47.5°	864.2	1011.4	1082.1	1139.7	1157.7	1175.7	1157.7	1139.7	1082.1	1011.4	864.2
50°	830.7	980.8	1050.4	1106.2	1120.7	1135.2	1120.7	1106.2	1050.4	980.8	830.7
52.5°	797.5	948.8	1014.3	1066.8	1080.1	1093.5	1080.1	1066.8	1014.3	948.8	797.5
55°	745.0	894.7	952.0	997.8	1009.4	1021.0	1009.4	997.8	952.0	894.7	745.0
57.5°	689.1	833.8	882.6	921.6	931.0	940.5	931.0	921.6	882.6	833.8	689.1
60°	648.2	787.1	831.3	866.8	876.2	885.7	876.2	866.8	831.3	787.1	648.2
62.5°	603.9	735.7	776.5	809.3	818.1	826.9	818.1	809.3	776.5	735.7	603.9
65°	536.3	654.8	688.8	715.8	721.6	727.4	721.6	715.8	688.8	654.8	536.3
67.5°	466.7	565.8	587.0	600.1	589.2	578.4	589.2	600.1	587.0	565.8	466.7
70°	420.4	502.7	510.0	507.6	476.4	445.3	476.4	507.6	510.0	502.7	420.4
72.5°	369.8	429.8	413.8	387.1	328.1	269.1	328.1	413.8	429.8	429.8	369.8
75°	288.5	304.5	234.9	183.0	184.5	185.9	184.5	183.0	234.9	304.5	288.5
77.5°	192.6	204.7	167.9	140.6	141.9	143.2	141.9	140.6	167.9	204.7	192.6
80°	106.9	116.7	115.3	114.4	115.1	115.8	115.1	114.4	115.3	116.7	106.9
82.5°	75.0	81.6	83.1	83.9	82.9	81.9	82.9	83.9	83.1	81.6	75.0
85°	39.0	37.9	32.1	27.4	25.9	24.5	25.9	27.4	32.1	37.9	39.0
87.5°	16.5	18.0	20.7	22.2	23.8	23.0	23.8	22.2	20.7	18.0	16.5
90°	44.1	57.5	70.9	78.6	86.3	82.4	86.3	78.6	70.9	57.5	44.1
92.5°	88.6	111.2	127.7	141.5	147.6	146.9	147.6	141.5	127.7	111.2	88.6
95°	178.3	205.2	232.0	251.2	262.7	258.8	262.7	251.2	232.0	205.2	178.3
97.5°	275.0	311.0	340.9	358.9	370.4	378.1	370.4	358.9	340.9	311.0	275.0
100°	339.4	373.9	408.4	429.5	448.7	456.3	448.7	429.5	408.4	373.9	339.4
102.5°	391.5	436.8	474.4	497.0	513.1	520.8	513.1	497.0	474.4	436.8	391.5
105°	477.4	525.4	565.6	594.4	611.6	617.4	611.6	594.4	565.6	525.4	477.4
107.5°	563.3	612.8	650.0	681.8	702.9	715.2	702.9	681.8	650.0	612.8	563.3
110°	630.8	671.1	711.3	740.1	761.2	768.9	761.2	740.1	711.3	671.1	630.8



TEST NUMBER: P1436009

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	687.6	732.4	772.7	801.5	825.6	836.4	825.6	801.5	772.7	732.4	687.6
115°	766.9	826.4	862.8	889.7	906.9	916.5	906.9	889.7	862.8	826.4	766.9
117.5°	832.9	895.0	934.9	955.6	963.7	970.6	963.7	955.6	934.9	895.0	832.9
120°	874.3	931.8	977.9	1004.7	1014.3	1018.1	1014.3	1004.7	977.9	931.8	874.3
122.5°	912.7	967.1	1011.6	1044.6	1060.3	1064.1	1060.3	1044.6	1011.6	967.1	912.7
125°	966.4	1018.1	1064.1	1096.7	1114.0	1123.6	1114.0	1096.7	1064.1	1018.1	966.4
127.5°	1013.1	1069.1	1111.3	1140.8	1157.7	1165.4	1157.7	1140.8	1111.3	1069.1	1013.1
130°	1039.2	1096.7	1138.9	1171.5	1186.8	1194.5	1186.8	1171.5	1138.9	1096.7	1039.2
132.5°	1059.2	1119.7	1163.5	1193.0	1209.9	1217.5	1209.9	1193.0	1163.5	1119.7	1059.2
135°	1083.3	1146.6	1192.6	1221.4	1236.7	1244.4	1236.7	1221.4	1192.6	1146.6	1083.3
137.5°	1104.4	1161.9	1209.9	1240.2	1254.0	1258.9	1254.0	1240.2	1209.9	1161.9	1104.4
140°	1119.7	1169.6	1217.5	1246.3	1261.6	1263.5	1261.6	1246.3	1217.5	1169.6	1119.7
142.5°	1139.7	1178.8	1220.6	1249.4	1264.7	1268.1	1264.7	1249.4	1220.6	1178.8	1139.7
145°	1175.3	1198.4	1227.1	1254.0	1267.4	1271.2	1267.4	1254.0	1227.1	1198.4	1175.3
147.5°	1220.2	1227.5	1242.5	1260.1	1273.1	1275.8	1273.1	1260.1	1242.5	1227.5	1220.2
150°	1254.0	1252.0	1257.8	1269.3	1280.8	1278.9	1280.8	1269.3	1257.8	1252.0	1254.0
152.5°	1292.3	1281.2	1280.8	1286.2	1291.5	1291.2	1291.5	1286.2	1280.8	1281.2	1292.3
155°	1357.5	1336.4	1324.9	1321.1	1321.1	1319.1	1321.1	1321.1	1324.9	1336.4	1357.5
157.5°	1429.2	1399.7	1382.4	1373.2	1370.5	1366.3	1370.5	1373.2	1382.4	1399.7	1429.2
160°	1478.3	1445.7	1428.4	1413.1	1407.3	1401.6	1407.3	1413.1	1428.4	1445.7	1478.3
162.5°	1524.3	1493.2	1474.5	1460.6	1454.9	1446.1	1454.9	1460.6	1474.5	1493.2	1524.3
165°	1599.1	1566.5	1545.4	1533.9	1526.2	1518.6	1526.2	1533.9	1545.4	1566.5	1599.1
167.5°	1673.9	1638.2	1624.4	1611.4	1604.1	1590.3	1604.1	1611.4	1624.4	1638.2	1673.9
170°	1719.9	1687.3	1679.6	1668.1	1654.7	1639.3	1654.7	1668.1	1679.6	1687.3	1719.9
172.5°	1759.8	1737.9	1730.2	1718.7	1714.5	1702.2	1714.5	1718.7	1730.2	1737.9	1759.8
175°	1817.7	1800.4	1800.4	1798.5	1792.7	1781.2	1792.7	1798.5	1800.4	1800.4	1817.7
177.5°	1866.0	1856.8	1862.9	1862.9	1861.4	1850.6	1861.4	1862.9	1862.9	1856.8	1866.0
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1436009

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	339.3	339.3	339.3	339.3
2.5°	356.2	349.4	343.0	336.6
5°	404.5	373.0	351.2	329.5
7.5°	498.9	405.2	361.0	316.7
10°	587.2	428.2	366.6	305.0
12.5°	655.5	459.3	375.6	292.0
15°	731.8	510.0	390.4	270.8
17.5°	793.6	567.3	408.1	248.9
20°	834.0	607.3	420.3	233.2
22.5°	864.0	637.0	427.9	218.9
25°	896.5	670.2	434.6	199.0
27.5°	901.1	677.6	428.7	179.7
30°	895.4	674.0	421.0	168.0
32.5°	884.6	665.9	411.7	157.6
35°	858.5	642.1	392.0	141.9
37.5°	819.1	604.9	366.7	128.5
40°	790.0	577.4	349.0	120.7
42.5°	756.0	545.2	329.0	112.9
45°	700.3	491.3	297.0	102.8
47.5°	640.7	430.8	262.1	93.3
50°	600.2	389.6	238.9	88.1
52.5°	560.6	349.6	216.2	82.9
55°	502.9	294.1	185.4	76.7
57.5°	448.8	246.5	158.8	71.1
60°	414.8	220.7	144.6	68.5
62.5°	380.9	197.1	130.8	64.6
65°	333.3	167.6	114.0	60.3
67.5°	289.7	145.5	100.0	54.5
70°	263.1	134.7	92.6	50.6
72.5°	234.0	122.8	85.4	48.0
75°	187.0	103.3	72.9	42.4
77.5°	131.6	80.1	57.3	34.6
80°	85.9	65.6	47.5	29.4
82.5°	63.3	51.1	37.6	24.1
85°	35.3	30.6	22.7	14.7
87.5°	16.9	15.2	10.8	6.4
90°	34.5	21.1	13.4	5.8
92.5°	74.4	51.8	36.4	21.1
95°	149.6	118.9	84.4	59.4
97.5°	238.1	188.7	154.5	113.5
100°	285.7	237.8	205.2	161.1
102.5°	337.8	297.6	252.7	208.6
105°	431.4	381.6	329.8	279.9
107.5°	518.1	463.2	401.1	356.2
110°	573.3	513.9	448.7	408.4



TEST NUMBER: P1436009

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	627.0	566.0	499.3	459.0
115°	699.8	632.7	571.4	536.9
117.5°	770.0	701.0	636.2	609.0
120°	813.0	743.9	680.7	659.6
122.5°	848.2	780.8	722.1	713.3
125°	901.2	832.1	782.3	793.8
127.5°	944.1	880.8	849.4	875.1
130°	970.2	914.6	895.4	931.8
132.5°	993.2	949.9	941.4	991.7
135°	1027.7	1002.8	1010.5	1079.5
137.5°	1068.7	1059.2	1084.8	1171.9
140°	1094.8	1100.6	1137.0	1234.8
142.5°	1130.1	1143.5	1190.7	1294.6
145°	1184.9	1213.7	1275.0	1378.6
147.5°	1247.1	1284.3	1360.2	1466.4
150°	1288.5	1336.4	1416.9	1518.6
152.5°	1336.0	1385.5	1466.0	1569.2
155°	1409.3	1464.9	1549.2	1637.4
157.5°	1484.0	1540.8	1621.3	1698.4
160°	1530.1	1591.4	1664.3	1735.2
162.5°	1582.2	1639.0	1702.6	1765.9
165°	1658.5	1704.5	1756.3	1810.0
167.5°	1722.6	1760.9	1801.6	1843.4
170°	1764.0	1794.7	1829.2	1861.8
172.5°	1799.3	1823.8	1849.1	1877.1
175°	1846.4	1859.8	1875.2	1892.4
177.5°	1882.9	1887.5	1892.1	1899.7
180°	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1436009
 CATALOG NUMBER: SQ2W-FB-K-125U-075D-L830-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	10.84	11.62	11.89	12.67	14.11	20.43	21.21	21.48	22.27	23.71
	3H	11.77	12.47	12.83	13.53	14.99	22.03	22.73	23.09	23.80	25.25
	4H	12.16	12.83	13.24	13.89	15.35	22.21	22.87	23.28	23.94	25.40
	6H	12.41	13.02	13.49	14.10	15.57	22.28	22.89	23.36	23.96	25.43
	8H	12.50	13.08	13.59	14.17	15.64	22.29	22.87	23.38	23.96	25.43
	12H	12.55	13.10	13.64	14.18	15.67	22.27	22.82	23.36	23.90	25.39
4H	2H	15.55	16.21	16.63	17.28	18.74	20.79	21.45	21.87	22.52	23.98
	3H	16.67	17.22	17.75	18.32	19.79	22.67	23.22	23.75	24.32	25.79
	4H	16.94	17.45	18.04	18.54	20.03	22.89	23.39	23.98	24.48	25.97
	6H	17.07	17.51	18.18	18.62	20.11	23.01	23.45	24.11	24.56	26.04
	8H	17.11	17.52	18.21	18.62	20.12	23.06	23.46	24.16	24.56	26.07
	12H	17.11	17.48	18.23	18.59	20.10	23.03	23.40	24.15	24.52	26.02
8H	4H	18.13	18.54	19.23	19.64	21.14	22.97	23.38	24.07	24.48	25.98
	6H	18.38	18.72	19.51	19.86	21.36	23.16	23.50	24.29	24.64	26.14
	8H	18.48	18.77	19.61	19.90	21.42	23.25	23.55	24.38	24.67	26.19
	12H	18.52	18.78	19.65	19.90	21.46	23.25	23.51	24.39	24.63	26.19
12H	4H	18.15	18.52	19.27	19.63	21.14	22.92	23.28	24.04	24.40	25.91
	6H	18.49	18.78	19.62	19.91	21.43	23.14	23.44	24.28	24.56	26.08
	8H	18.62	18.88	19.76	20.00	21.56	23.24	23.50	24.38	24.62	26.18