

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: P1435836

Luminaire Tested: SQ2W-FA-K-125U-050D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1435836  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-FA-K-125U-050D-L835-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

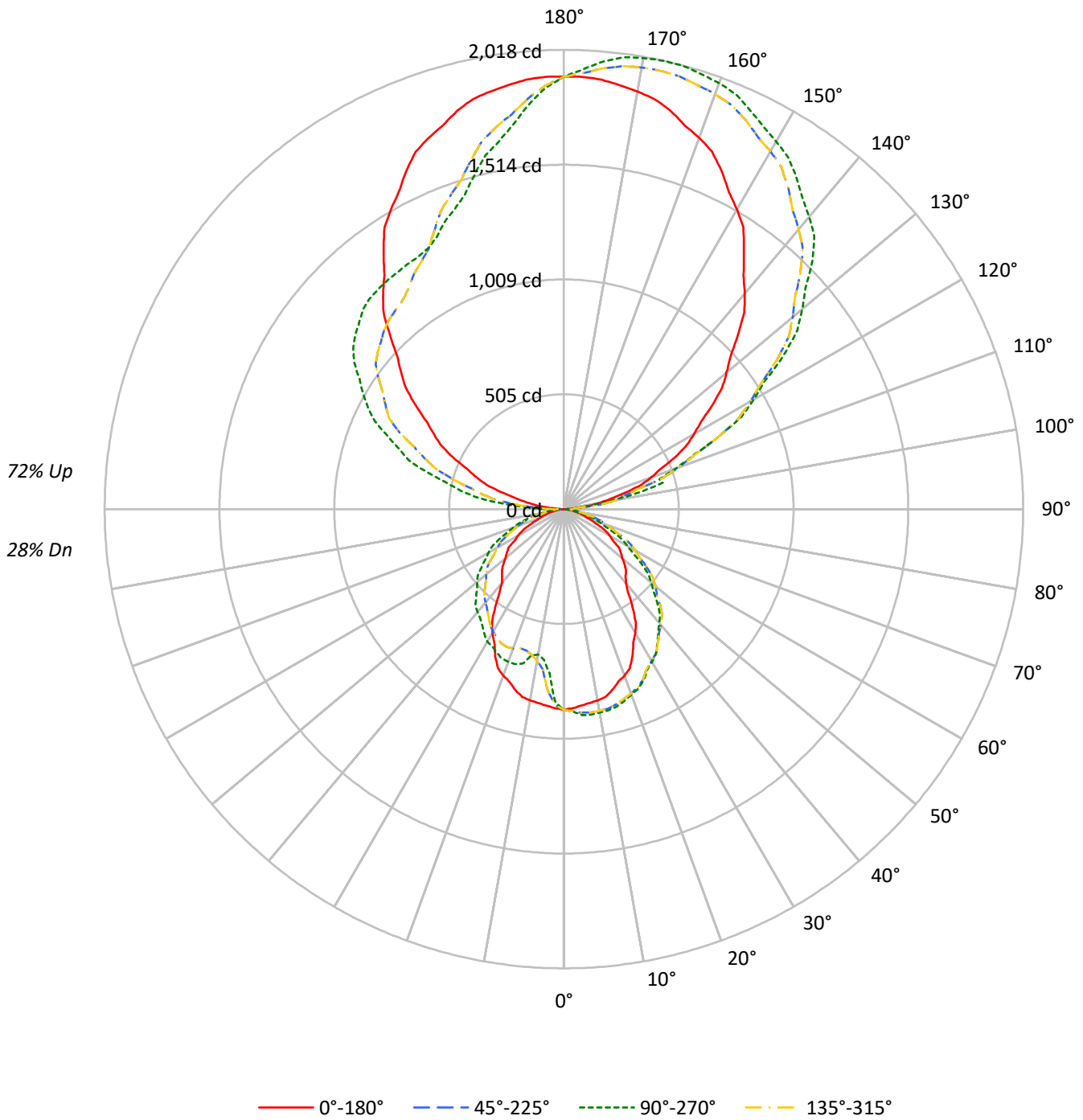
Lumens per Lamp: N/A  
Luminaire Lumens: 7742.9 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 61.8  
Input Voltage (V): 120  
Input Current (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	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36	28
1	93	89	85	82	83	80	77	74	62	60	58	47	45	44	32	31	31	24
2	85	78	72	67	76	70	65	60	55	51	48	41	39	37	28	27	26	20
3	77	68	61	55	69	61	55	50	48	44	41	36	33	31	25	23	22	17
4	71	60	53	47	63	54	48	43	43	38	34	32	29	27	22	20	19	15
5	65	53	46	40	58	48	41	36	38	33	30	29	25	23	20	18	16	13
6	59	48	40	34	53	43	36	31	34	29	26	26	23	20	18	16	14	11
7	55	43	35	30	49	39	32	27	31	26	22	23	20	18	17	14	13	10
8	51	39	31	26	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	35	28	23	42	32	26	21	26	21	18	20	16	14	14	12	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	15	12	13	11	9	7

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

	0°	90°	180°	270°
0°	14223	14223	14223	14223
5°	14055	14719	14055	11731
10°	13994	14890	13994	10635
15°	13755	15010	13755	11757
20°	13376	14900	13376	12261
25°	12713	14781	12713	12408
30°	11712	14450	11712	12539
35°	10364	14132	10364	12315
40°	8924	13744	8924	12450
45°	8809	13252	8809	12474
50°	8404	12607	8404	12521
55°	8363	11628	8363	12400
60°	7498	10365	7498	12348
65°	6391	9131	6391	12000
70°	5160	7737	5160	11122
75°	4473	6388	4473	10224
80°	3812	4760	3812	8256
85°	2538	2538	2538	5057

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 13670 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.3	1.0
10°-20°	221.5	2.9
20°-30°	336.3	4.3
30°-40°	394.9	5.1
40°-50°	400.7	5.2
50°-60°	351.0	4.5
60°-70°	249.0	3.2
70°-80°	128.2	1.7
80°-90°	34.7	0.4
90°-100°	151.2	2.0
100°-110°	440.9	5.7
110°-120°	719.6	9.3
120°-130°	913.1	11.8
130°-140°	977.1	12.6
140°-150°	912.4	11.8
150°-160°	750.8	9.7
160°-170°	503.5	6.5
170°-180°	178.8	2.3
0°-30°	637.1	8.2
0°-40°	1031.9	13.3
0°-60°	1783.7	23.0
0°-90°	2195.5	28.4
90°-120°	1311.8	16.9
90°-150°	4114.3	53.1
90°-180°	5547.0	71.6
0°-180°	7742.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	881	881	881	881	881	
5°	867	908	867	724	867	82
15°	823	898	823	703	823	231
25°	714	830	714	696	714	326
35°	526	717	526	625	526	328
45°	386	580	386	546	386	295
55°	297	413	297	440	297	257
65°	167	239	167	314	167	167
75°	72	102	72	164	72	78
85°	14	14	14	27	14	17
90°	6	42	6	82	6	5
95°	60	44	60	259	60	72
105°	280	449	280	618	280	298
115°	537	745	537	917	537	530
125°	794	1180	794	1125	794	711
135°	1080	1545	1080	1246	1080	835
145°	1380	1781	1380	1272	1380	863
155°	1639	1934	1639	1320	1639	753
165°	1812	2017	1812	1520	1812	510
175°	1894	1975	1894	1783	1894	180
180°	1900	1900	1900	1900	1900	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	875.4	881.5	887.6	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1
5°	867.2	877.9	888.5	893.4	896.5	898.7	900.3	902.2	905.2	908.2	905.2
7.5°	859.1	873.3	887.6	894.6	899.1	902.8	905.5	907.9	909.4	911.0	909.4
10°	853.6	870.3	887.0	894.6	899.1	902.2	903.7	905.2	906.7	908.2	906.7
12.5°	845.4	863.3	881.2	890.0	895.8	899.4	900.9	902.5	904.0	905.5	904.0
15°	822.9	847.1	871.4	880.9	885.5	889.3	892.3	894.9	896.5	898.0	896.5
17.5°	794.9	824.3	853.7	865.7	871.7	876.1	878.9	881.2	882.4	883.6	882.4
20°	778.5	810.3	842.2	854.7	860.8	864.6	866.1	867.2	867.2	867.2	867.2
22.5°	756.6	792.1	827.6	841.1	847.1	850.3	850.6	851.2	852.4	853.6	852.4
25°	713.6	754.6	795.5	812.6	821.7	825.5	824.0	823.6	826.7	829.7	826.7
27.5°	661.0	712.6	764.2	781.7	787.7	791.5	793.0	794.2	794.2	794.2	794.2
30°	628.2	685.9	743.6	762.5	768.6	772.4	773.9	775.1	775.1	775.1	775.1
32.5°	587.3	655.9	724.5	745.2	750.1	752.7	753.0	753.2	753.2	753.2	753.2
35°	525.8	609.3	692.7	715.9	718.9	720.4	720.4	720.1	718.5	717.0	718.5
37.5°	464.4	559.0	653.7	680.8	685.4	686.6	684.5	682.5	681.0	679.5	681.0
40°	423.4	526.6	629.8	659.0	663.5	663.5	659.0	655.2	653.7	652.1	653.7
42.5°	401.5	503.5	605.5	634.4	638.9	638.3	632.6	627.9	626.3	624.8	626.3
45°	385.8	476.9	567.9	594.1	598.7	597.9	591.8	586.5	583.5	580.4	583.5
47.5°	361.9	442.0	522.2	547.9	555.5	554.7	545.6	538.0	535.0	532.0	535.0
50°	334.6	413.5	492.4	517.8	525.4	524.7	515.6	508.0	504.9	501.9	504.9
52.5°	315.5	389.5	463.6	486.9	493.3	491.3	481.0	472.5	469.4	466.4	469.4
55°	297.1	359.3	421.5	440.5	445.0	442.0	431.3	422.2	417.7	413.1	417.7
57.5°	254.0	313.2	372.4	390.8	395.7	392.0	379.9	369.5	364.4	359.2	364.4
60°	232.2	285.3	338.4	356.2	362.3	359.3	347.1	336.1	328.5	321.0	328.5
62.5°	207.6	254.6	301.7	319.8	328.3	326.5	314.3	303.3	295.8	288.2	295.8
65°	167.3	208.3	249.2	267.5	278.1	277.3	265.2	254.2	246.6	239.0	246.6
67.5°	131.1	166.3	201.5	219.4	231.6	231.0	217.6	206.1	200.0	193.9	200.0
70°	109.3	139.6	170.0	186.7	198.8	198.8	186.7	176.0	170.0	163.9	170.0
72.5°	95.6	118.7	141.7	157.5	170.9	170.9	157.5	146.3	141.4	136.6	141.4
75°	71.7	85.4	99.0	113.8	129.0	130.5	118.4	108.5	105.5	102.4	105.5
77.5°	51.9	58.3	64.6	76.3	89.6	91.1	80.8	72.8	71.5	70.3	71.5
80°	41.0	42.5	44.0	53.5	65.6	67.1	58.0	51.2	51.2	51.2	51.2
82.5°	27.3	28.8	30.3	37.1	45.6	46.5	39.8	34.5	33.3	32.1	33.3
85°	13.7	13.7	13.7	15.9	19.0	19.0	15.9	13.7	13.7	13.7	13.7
87.5°	3.9	5.4	7.3	9.8	12.1	12.5	11.3	10.8	11.2	11.2	11.2
90°	5.8	13.4	23.0	30.7	36.5	38.4	38.4	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.8	33.8	41.1	44.5	47.6	48.0	49.9	49.9	49.9
95°	59.5	65.2	97.9	96.0	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.6	122.1	127.4	170.8	180.4	174.3	142.0	119.4	106.7	100.9	106.7
100°	161.2	165.0	176.6	178.5	226.5	272.5	249.5	220.7	211.1	205.3	211.1
102.5°	208.8	211.1	228.8	236.8	247.9	274.0	353.9	345.1	338.5	337.4	338.5
105°	280.2	282.1	314.7	330.1	337.8	337.8	335.8	374.2	435.6	449.1	435.6
107.5°	356.6	365.4	403.8	444.8	453.7	456.0	446.0	440.2	437.9	439.5	437.9
110°	408.8	422.2	468.3	520.1	533.5	537.3	533.5	527.8	523.9	523.9	523.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.4	479.0	531.2	590.7	613.3	624.9	616.4	612.2	608.4	611.4	608.4
115°	537.3	566.1	635.2	696.6	742.7	748.4	746.5	746.5	744.6	744.6	744.6
117.5°	609.5	655.6	733.1	804.5	857.8	873.2	880.9	878.6	876.3	880.1	876.3
120°	660.2	713.9	802.2	882.8	934.6	957.6	965.3	961.5	965.3	961.5	965.3
122.5°	713.9	779.9	866.7	950.3	1011.4	1037.5	1046.7	1047.4	1048.2	1045.9	1048.2
125°	794.5	875.1	976.8	1063.2	1126.5	1157.2	1164.9	1166.8	1170.6	1180.2	1170.6
127.5°	875.9	967.2	1078.9	1162.2	1227.1	1264.3	1276.2	1280.4	1288.5	1292.7	1288.5
130°	932.7	1036.3	1149.5	1228.2	1291.6	1331.9	1353.0	1358.7	1368.3	1366.4	1368.3
132.5°	992.6	1100.8	1215.6	1297.3	1356.0	1399.4	1417.4	1433.9	1437.4	1440.1	1437.4
135°	1080.5	1197.5	1312.7	1393.3	1448.9	1491.1	1514.2	1529.5	1539.1	1544.9	1539.1
137.5°	1173.0	1296.5	1407.1	1478.9	1534.9	1571.4	1597.5	1613.6	1623.6	1628.2	1623.6
140°	1235.9	1354.9	1462.4	1537.2	1587.1	1623.6	1646.6	1665.8	1677.3	1677.3	1677.3
142.5°	1295.8	1413.2	1517.6	1592.5	1636.2	1669.6	1694.2	1708.8	1721.8	1721.8	1721.8
145°	1379.8	1496.9	1592.8	1667.7	1704.2	1734.9	1761.7	1773.2	1780.9	1780.9	1780.9
147.5°	1467.7	1571.4	1658.9	1730.6	1761.3	1797.4	1818.5	1827.7	1837.3	1833.1	1837.3
150°	1519.9	1615.9	1700.3	1767.5	1798.2	1832.7	1853.8	1861.5	1871.1	1865.4	1871.1
152.5°	1570.6	1661.9	1738.7	1801.3	1827.4	1861.9	1886.1	1893.8	1900.3	1896.1	1900.3
155°	1638.9	1719.5	1790.5	1848.1	1871.1	1903.7	1926.8	1936.4	1944.0	1934.4	1944.0
157.5°	1699.9	1769.4	1831.2	1884.2	1908.7	1936.8	1958.2	1970.1	1977.8	1973.6	1977.8
160°	1736.8	1800.1	1855.8	1905.7	1928.7	1953.6	1976.7	1990.1	1997.8	1992.0	1997.8
162.5°	1767.5	1824.7	1877.3	1922.5	1942.5	1964.4	1992.0	2003.9	2011.6	2004.3	2011.6
165°	1811.6	1857.7	1903.7	1942.1	1959.4	1976.7	2005.5	2018.9	2024.6	2017.0	2024.6
167.5°	1845.0	1880.3	1917.6	1950.6	1963.2	1980.1	2008.9	2020.0	2027.3	2017.7	2027.3
170°	1863.4	1894.1	1926.8	1953.6	1963.2	1978.6	2007.4	2017.0	2022.7	2013.1	2022.7
172.5°	1878.8	1901.8	1928.3	1952.1	1957.1	1969.4	1996.6	2006.2	2010.4	2002.4	2010.4
175°	1894.1	1907.6	1926.8	1942.1	1940.2	1947.9	1970.9	1978.6	1986.3	1974.7	1986.3
177.5°	1901.4	1907.6	1913.7	1922.9	1916.8	1916.8	1933.7	1938.3	1939.8	1933.7	1939.8
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	889.1	889.1	889.1	889.1	889.1	887.6	881.5	875.4	875.4	875.4	870.9
5°	902.2	900.3	898.7	896.5	893.4	888.5	877.9	867.2	862.7	858.1	838.8
7.5°	907.9	905.5	902.8	899.1	894.6	887.6	873.3	859.1	838.7	818.4	775.3
10°	905.2	903.7	902.2	899.1	894.6	887.0	870.3	853.6	812.6	771.6	730.7
12.5°	902.5	900.9	899.4	895.8	890.0	881.2	863.3	845.4	787.4	729.5	692.4
15°	894.9	892.3	889.3	885.5	880.9	871.4	847.1	822.9	757.6	692.4	661.2
17.5°	881.2	878.9	876.1	871.7	865.7	853.7	824.3	794.9	726.6	658.3	638.3
20°	867.2	866.1	864.6	860.8	854.7	842.2	810.3	778.5	710.2	641.9	632.8
22.5°	851.2	850.6	850.3	847.1	841.1	827.6	792.1	756.6	689.6	622.5	622.8
25°	823.6	824.0	825.5	821.7	812.6	795.5	754.6	713.6	654.4	595.2	605.5
27.5°	794.2	793.0	791.5	787.7	781.7	764.2	712.6	661.0	614.3	567.5	584.5
30°	775.1	773.9	772.4	768.6	762.5	743.6	685.9	628.2	588.8	549.3	569.1
32.5°	753.2	753.0	752.7	750.1	745.2	724.5	655.9	587.3	558.7	530.2	550.9
35°	720.1	720.4	720.4	718.9	715.9	692.7	609.3	525.8	513.7	501.5	525.8
37.5°	682.5	684.5	686.6	685.4	680.8	653.7	559.0	464.4	468.3	472.2	501.7
40°	655.2	659.0	663.5	663.5	659.0	629.8	526.6	423.4	437.0	450.7	482.6
42.5°	627.9	632.6	638.3	638.9	634.4	605.5	503.5	401.5	416.4	431.3	464.4
45°	586.5	591.8	597.9	598.7	594.1	567.9	476.9	385.8	394.9	404.0	435.9
47.5°	538.0	545.6	554.7	555.5	547.9	522.2	442.0	361.9	368.6	375.3	407.9
50°	508.0	515.6	524.7	525.4	517.8	492.4	413.5	334.6	343.7	352.8	387.0
52.5°	472.5	481.0	491.3	493.3	486.9	463.6	389.5	315.5	321.0	326.4	363.3
55°	422.2	431.3	442.0	445.0	440.5	421.5	359.3	297.1	292.5	287.9	325.5
57.5°	369.5	379.9	392.0	395.7	390.8	372.4	313.2	254.0	250.1	246.1	286.8
60°	336.1	347.1	359.3	362.3	356.2	338.4	285.3	232.2	224.6	217.0	259.5
62.5°	303.3	314.3	326.5	328.3	319.8	301.7	254.6	207.6	202.4	197.3	238.6
65°	254.2	265.2	277.3	278.1	267.5	249.2	208.3	167.3	170.3	173.4	210.6
67.5°	206.1	217.6	231.0	231.6	219.4	201.5	166.3	131.1	141.1	151.1	184.6
70°	176.0	186.7	198.8	198.8	186.7	170.0	139.6	109.3	122.9	136.6	167.3
72.5°	146.3	157.5	170.9	170.9	157.5	141.7	118.7	95.6	109.3	122.9	148.2
75°	108.5	118.4	130.5	129.0	113.8	99.0	85.4	71.7	85.4	99.0	118.4
77.5°	72.8	80.8	91.1	89.6	76.3	64.6	58.3	51.9	63.1	74.4	87.9
80°	51.2	58.0	67.1	65.6	53.5	44.0	42.5	41.0	48.6	56.1	66.0
82.5°	34.5	39.8	46.5	45.6	37.1	30.3	28.8	27.3	33.7	40.1	46.9
85°	13.7	15.9	19.0	19.0	15.9	13.7	13.7	13.7	16.7	19.7	22.8
87.5°	10.8	11.3	12.5	12.1	9.8	7.3	5.4	3.9	6.6	9.4	12.4
90°	40.3	38.4	38.4	36.5	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	48.0	47.6	44.5	41.1	33.8	33.8	33.4	21.1	36.5	51.8	74.5
95°	44.1	44.1	51.8	65.2	96.0	97.9	65.2	59.5	84.4	119.0	149.7
97.5°	119.4	142.0	174.3	180.4	170.8	127.4	122.1	113.6	154.7	188.8	238.4
100°	220.7	249.5	272.5	226.5	178.5	176.6	165.0	161.2	205.3	238.0	285.9
102.5°	345.1	353.9	274.0	247.9	236.8	228.8	211.1	208.8	252.9	297.8	338.1
105°	374.2	335.8	337.8	337.8	330.1	314.7	282.1	280.2	330.1	381.9	431.8
107.5°	440.2	446.0	456.0	453.7	444.8	403.8	365.4	356.6	401.5	463.7	518.5
110°	527.8	533.5	537.3	533.5	520.1	468.3	422.2	408.8	449.1	514.3	573.8



TEST NUMBER: P1435836

CATALOG NUMBER: SQ2W-FA-K-125U-050D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	612.2	616.4	624.9	613.3	590.7	531.2	479.0	459.4	499.7	566.5	627.5
115°	746.5	746.5	748.4	742.7	696.6	635.2	566.1	537.3	571.9	633.3	700.5
117.5°	878.6	880.9	873.2	857.8	804.5	733.1	655.6	609.5	636.8	701.6	770.7
120°	961.5	965.3	957.6	934.6	882.8	802.2	713.9	660.2	681.3	744.6	813.7
122.5°	1047.4	1046.7	1037.5	1011.4	950.3	866.7	779.9	713.9	722.7	781.5	849.0
125°	1166.8	1164.9	1157.2	1126.5	1063.2	976.8	875.1	794.5	783.0	832.9	902.0
127.5°	1280.4	1276.2	1264.3	1227.1	1162.2	1078.9	967.2	875.9	850.2	881.6	945.0
130°	1358.7	1353.0	1331.9	1291.6	1228.2	1149.5	1036.3	932.7	896.2	915.4	971.1
132.5°	1433.9	1417.4	1399.4	1356.0	1297.3	1215.6	1100.8	992.6	942.3	950.7	994.1
135°	1529.5	1514.2	1491.1	1448.9	1393.3	1312.7	1197.5	1080.5	1011.4	1003.7	1028.6
137.5°	1613.6	1597.5	1571.4	1534.9	1478.9	1407.1	1296.5	1173.0	1085.8	1060.1	1069.7
140°	1665.8	1646.6	1623.6	1587.1	1537.2	1462.4	1354.9	1235.9	1138.0	1101.6	1095.8
142.5°	1708.8	1694.2	1669.6	1636.2	1592.5	1517.6	1413.2	1295.8	1191.8	1144.5	1131.1
145°	1773.2	1761.7	1734.9	1704.2	1667.7	1592.8	1496.9	1379.8	1276.2	1214.8	1186.0
147.5°	1827.7	1818.5	1797.4	1761.3	1730.6	1658.9	1571.4	1467.7	1361.4	1285.4	1248.2
150°	1861.5	1853.8	1832.7	1798.2	1767.5	1700.3	1615.9	1519.9	1418.2	1337.6	1289.6
152.5°	1893.8	1886.1	1861.9	1827.4	1801.3	1738.7	1661.9	1570.6	1467.3	1386.7	1337.2
155°	1936.4	1926.8	1903.7	1871.1	1848.1	1790.5	1719.5	1638.9	1550.6	1466.2	1410.5
157.5°	1970.1	1958.2	1936.8	1908.7	1884.2	1831.2	1769.4	1699.9	1622.8	1542.2	1485.4
160°	1990.1	1976.7	1953.6	1928.7	1905.7	1855.8	1800.1	1736.8	1665.8	1592.8	1531.4
162.5°	2003.9	1992.0	1964.4	1942.5	1922.5	1877.3	1824.7	1767.5	1704.2	1640.4	1583.6
165°	2018.9	2005.5	1976.7	1959.4	1942.1	1903.7	1857.7	1811.6	1757.9	1706.1	1660.0
167.5°	2020.0	2008.9	1980.1	1963.2	1950.6	1917.6	1880.3	1845.0	1803.2	1762.5	1724.1
170°	2017.0	2007.4	1978.6	1963.2	1953.6	1926.8	1894.1	1863.4	1830.8	1796.3	1765.6
172.5°	2006.2	1996.6	1969.4	1957.1	1952.1	1928.3	1901.8	1878.8	1850.8	1825.4	1800.9
175°	1978.6	1970.9	1947.9	1940.2	1942.1	1926.8	1907.6	1894.1	1876.9	1861.5	1848.1
177.5°	1938.3	1933.7	1916.8	1916.8	1922.9	1913.7	1907.6	1901.4	1893.8	1889.2	1884.6
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1435836

CATALOG NUMBER: SQ2W-FA-K-125U-050D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	864.8	860.0	856.3	853.3	852.1	850.9	852.1	853.3	856.3	860.0	864.8
5°	814.5	788.7	761.4	739.0	731.4	723.8	731.4	739.0	761.4	788.7	814.5
7.5°	724.6	693.5	682.0	672.7	670.3	667.9	670.3	672.7	682.0	693.5	724.6
10°	689.7	664.7	655.6	648.7	648.7	648.7	648.7	648.7	655.6	664.7	689.7
12.5°	662.4	647.1	646.5	647.5	653.6	659.7	653.6	647.5	646.5	647.1	662.4
15°	641.5	643.8	668.1	688.2	695.8	703.4	695.8	688.2	668.1	643.8	641.5
17.5°	634.3	647.4	677.4	701.5	707.5	713.6	707.5	701.5	677.4	647.4	634.3
20°	643.4	660.1	682.9	701.5	707.5	713.6	707.5	701.5	682.9	660.1	643.4
22.5°	645.5	665.9	683.8	698.7	704.8	710.9	704.8	698.7	683.8	665.9	645.5
25°	638.9	663.1	678.3	690.5	693.5	696.5	693.5	690.5	678.3	663.1	638.9
27.5°	622.8	649.5	664.7	676.6	678.7	680.8	678.7	676.6	664.7	649.5	622.8
30°	608.5	635.8	651.0	663.5	668.1	672.6	668.1	663.5	651.0	635.8	608.5
32.5°	587.9	615.8	634.6	649.0	649.9	650.8	649.9	649.0	634.6	615.8	587.9
35°	562.2	591.1	612.3	627.9	626.3	624.8	626.3	627.9	612.3	591.1	562.2
37.5°	539.6	567.8	586.4	600.7	602.5	604.3	602.5	600.7	586.4	567.8	539.6
40°	520.5	549.3	569.1	584.6	587.7	590.7	587.7	584.6	569.1	549.3	520.5
42.5°	503.5	532.9	552.7	568.2	571.3	574.3	571.3	568.2	552.7	532.9	503.5
45°	475.4	505.7	527.0	543.3	544.8	546.3	544.8	543.3	527.0	505.7	475.4
47.5°	449.2	479.7	499.4	514.6	516.1	517.6	516.1	514.6	499.4	479.7	449.2
50°	429.5	460.6	480.3	495.5	497.0	498.5	497.0	495.5	480.3	460.6	429.5
52.5°	410.6	443.0	460.3	473.6	475.1	476.6	475.1	473.6	460.3	443.0	410.6
55°	377.1	411.2	427.9	440.5	440.5	440.5	440.5	427.9	411.2	377.1	377.1
57.5°	342.3	377.4	392.0	403.4	405.2	407.0	405.2	403.4	392.0	377.4	342.3
60°	318.7	354.3	366.5	376.3	379.4	382.4	379.4	376.3	366.5	354.3	318.7
62.5°	295.3	329.8	341.9	351.5	353.3	355.1	353.3	351.5	341.9	329.8	295.3
65°	259.1	289.5	301.6	311.1	312.6	314.1	312.6	311.1	301.6	289.5	259.1
67.5°	225.9	250.8	259.3	265.9	267.2	268.4	267.2	265.9	259.3	250.8	225.9
70°	203.7	225.0	231.0	235.6	235.6	235.6	235.6	235.6	231.0	225.0	203.7
72.5°	177.3	194.9	201.0	205.8	207.1	208.3	207.1	205.8	201.0	194.9	177.3
75°	139.6	152.5	157.1	160.9	162.4	163.9	162.4	160.9	157.1	152.5	139.6
77.5°	102.1	110.6	113.4	115.8	117.3	118.8	117.3	115.8	113.4	110.6	102.1
80°	76.6	82.7	84.2	85.7	87.3	88.8	87.3	85.7	84.2	82.7	76.6
82.5°	53.9	58.1	59.6	60.9	61.2	61.5	61.2	60.9	59.6	58.1	53.9
85°	25.8	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	25.8
87.5°	14.3	17.0	19.7	21.2	22.7	22.0	22.7	21.2	19.7	17.0	14.3
90°	44.1	57.6	71.0	78.7	86.4	82.5	86.4	78.7	71.0	57.6	44.1
92.5°	88.7	111.3	127.8	141.6	147.8	147.0	147.8	141.6	127.8	111.3	88.7
95°	178.5	205.3	232.2	251.4	262.9	259.1	262.9	251.4	232.2	205.3	178.5
97.5°	275.2	311.3	341.2	359.3	370.8	378.4	370.8	359.3	341.2	311.3	275.2
100°	339.7	374.2	408.8	429.9	449.1	456.7	449.1	429.9	408.8	374.2	339.7
102.5°	391.9	437.2	474.8	497.4	513.5	521.2	513.5	497.4	474.8	437.2	391.9
105°	477.9	525.8	566.1	594.9	612.2	617.9	612.2	594.9	566.1	525.8	477.9
107.5°	563.8	613.3	650.6	682.4	703.5	715.8	703.5	682.4	650.6	613.3	563.8
110°	631.4	671.7	712.0	740.8	761.9	769.6	761.9	740.8	712.0	671.7	631.4



TEST NUMBER: P1435836

CATALOG NUMBER: SQ2W-FA-K-125U-050D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	688.2	733.1	773.4	802.2	826.4	837.1	826.4	802.2	773.4	733.1	688.2
115°	767.6	827.1	863.6	890.5	907.7	917.3	907.7	890.5	863.6	827.1	767.6
117.5°	833.7	895.8	935.8	956.5	964.5	971.4	964.5	956.5	935.8	895.8	833.7
120°	875.1	932.7	978.7	1005.6	1015.2	1019.0	1015.2	1005.6	978.7	932.7	875.1
122.5°	913.5	968.0	1012.5	1045.5	1061.3	1065.1	1061.3	1045.5	1012.5	968.0	913.5
125°	967.2	1019.0	1065.1	1097.7	1115.0	1124.6	1115.0	1097.7	1065.1	1019.0	967.2
127.5°	1014.1	1070.1	1112.3	1141.9	1158.7	1166.4	1158.7	1141.9	1112.3	1070.1	1014.1
130°	1040.1	1097.7	1139.9	1172.6	1187.9	1195.6	1187.9	1172.6	1139.9	1097.7	1040.1
132.5°	1060.1	1120.8	1164.5	1194.1	1210.9	1218.6	1210.9	1194.1	1164.5	1120.8	1060.1
135°	1084.3	1147.6	1193.7	1222.5	1237.8	1245.5	1237.8	1222.5	1193.7	1147.6	1084.3
137.5°	1105.4	1163.0	1210.9	1241.3	1255.1	1260.1	1255.1	1241.3	1210.9	1163.0	1105.4
140°	1120.8	1170.6	1218.6	1247.4	1262.8	1264.7	1262.8	1247.4	1218.6	1170.6	1120.8
142.5°	1140.7	1179.9	1221.7	1250.5	1265.8	1269.3	1265.8	1250.5	1221.7	1179.9	1140.7
145°	1176.4	1199.4	1228.2	1255.1	1268.5	1272.4	1268.5	1255.1	1228.2	1199.4	1176.4
147.5°	1221.3	1228.6	1243.6	1261.2	1274.3	1277.0	1274.3	1261.2	1243.6	1228.6	1221.3
150°	1255.1	1253.2	1258.9	1270.4	1282.0	1280.0	1282.0	1270.4	1258.9	1253.2	1255.1
152.5°	1293.5	1282.3	1282.0	1287.3	1292.7	1292.3	1292.7	1287.3	1282.0	1282.3	1293.5
155°	1358.7	1337.6	1326.1	1322.3	1322.3	1320.3	1322.3	1322.3	1326.1	1337.6	1358.7
157.5°	1430.5	1400.9	1383.7	1374.5	1371.8	1367.5	1371.8	1374.5	1383.7	1400.9	1430.5
160°	1479.6	1447.0	1429.7	1414.4	1408.6	1402.9	1408.6	1414.4	1429.7	1447.0	1479.6
162.5°	1525.7	1494.6	1475.8	1462.0	1456.2	1447.4	1456.2	1462.0	1475.8	1494.6	1525.7
165°	1600.5	1567.9	1546.8	1535.3	1527.6	1519.9	1527.6	1535.3	1546.8	1567.9	1600.5
167.5°	1675.4	1639.7	1625.9	1612.8	1605.5	1591.7	1605.5	1612.8	1625.9	1639.7	1675.4
170°	1721.4	1688.8	1681.1	1669.6	1656.2	1640.8	1656.2	1669.6	1681.1	1688.8	1721.4
172.5°	1761.3	1739.5	1731.8	1720.3	1716.1	1703.8	1716.1	1720.3	1731.8	1739.5	1761.3
175°	1819.3	1802.0	1802.0	1800.1	1794.4	1782.8	1794.4	1800.1	1802.0	1802.0	1819.3
177.5°	1867.7	1858.5	1864.6	1864.6	1863.1	1852.3	1863.1	1864.6	1864.6	1858.5	1867.7
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1435836

CATALOG NUMBER: SQ2W-FA-K-125U-050D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	880.9	880.9	880.9	880.9
2.5°	870.9	875.4	875.4	875.4
5°	838.8	858.1	862.7	867.2
7.5°	775.3	818.4	838.7	859.1
10°	730.7	771.6	812.6	853.6
12.5°	692.4	729.5	787.4	845.4
15°	661.2	692.4	757.6	822.9
17.5°	638.3	658.3	726.6	794.9
20°	632.8	641.9	710.2	778.5
22.5°	622.8	622.5	689.6	756.6
25°	605.5	595.2	654.4	713.6
27.5°	584.5	567.5	614.3	661.0
30°	569.1	549.3	588.8	628.2
32.5°	550.9	530.2	558.7	587.3
35°	525.8	501.5	513.7	525.8
37.5°	501.7	472.2	468.3	464.4
40°	482.6	450.7	437.0	423.4
42.5°	464.4	431.3	416.4	401.5
45°	435.9	404.0	394.9	385.8
47.5°	407.9	375.3	368.6	361.9
50°	387.0	352.8	343.7	334.6
52.5°	363.3	326.4	321.0	315.5
55°	325.5	287.9	292.5	297.1
57.5°	286.8	246.1	250.1	254.0
60°	259.5	217.0	224.6	232.2
62.5°	238.6	197.3	202.4	207.6
65°	210.6	173.4	170.3	167.3
67.5°	184.6	151.1	141.1	131.1
70°	167.3	136.6	122.9	109.3
72.5°	148.2	122.9	109.3	95.6
75°	118.4	99.0	85.4	71.7
77.5°	87.9	74.4	63.1	51.9
80°	66.0	56.1	48.6	41.0
82.5°	46.9	40.1	33.7	27.3
85°	22.8	19.7	16.7	13.7
87.5°	12.4	9.4	6.6	3.9
90°	34.5	21.1	13.4	5.8
92.5°	74.5	51.8	36.5	21.1
95°	149.7	119.0	84.4	59.5
97.5°	238.4	188.8	154.7	113.6
100°	285.9	238.0	205.3	161.2
102.5°	338.1	297.8	252.9	208.8
105°	431.8	381.9	330.1	280.2
107.5°	518.5	463.7	401.5	356.6
110°	573.8	514.3	449.1	408.8



TEST NUMBER: P1435836

CATALOG NUMBER: SQ2W-FA-K-125U-050D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	627.5	566.5	499.7	459.4
115°	700.5	633.3	571.9	537.3
117.5°	770.7	701.6	636.8	609.5
120°	813.7	744.6	681.3	660.2
122.5°	849.0	781.5	722.7	713.9
125°	902.0	832.9	783.0	794.5
127.5°	945.0	881.6	850.2	875.9
130°	971.1	915.4	896.2	932.7
132.5°	994.1	950.7	942.3	992.6
135°	1028.6	1003.7	1011.4	1080.5
137.5°	1069.7	1060.1	1085.8	1173.0
140°	1095.8	1101.6	1138.0	1235.9
142.5°	1131.1	1144.5	1191.8	1295.8
145°	1186.0	1214.8	1276.2	1379.8
147.5°	1248.2	1285.4	1361.4	1467.7
150°	1289.6	1337.6	1418.2	1519.9
152.5°	1337.2	1386.7	1467.3	1570.6
155°	1410.5	1466.2	1550.6	1638.9
157.5°	1485.4	1542.2	1622.8	1699.9
160°	1531.4	1592.8	1665.8	1736.8
162.5°	1583.6	1640.4	1704.2	1767.5
165°	1660.0	1706.1	1757.9	1811.6
167.5°	1724.1	1762.5	1803.2	1845.0
170°	1765.6	1796.3	1830.8	1863.4
172.5°	1800.9	1825.4	1850.8	1878.8
175°	1848.1	1861.5	1876.9	1894.1
177.5°	1884.6	1889.2	1893.8	1901.4
180°	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1435836  
 CATALOG NUMBER: SQ2W-FA-K-125U-050D-L835-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	13.15	13.85	14.28	14.96	16.51	14.35	15.05	15.47	16.16	17.71
	3H	14.23	14.85	15.36	15.97	17.54	15.58	16.20	16.71	17.33	18.89
	4H	14.57	15.16	15.71	16.29	17.86	15.96	16.55	17.10	17.68	19.25
	6H	14.72	15.27	15.87	16.40	17.98	16.11	16.66	17.26	17.79	19.37
	8H	14.75	15.27	15.91	16.41	17.99	16.13	16.65	17.29	17.79	19.37
	12H	14.74	15.23	15.90	16.37	17.97	16.11	16.60	17.27	17.74	19.34
4H	2H	14.00	14.59	15.15	15.71	17.29	14.91	15.50	16.06	16.63	18.20
	3H	15.37	15.86	16.52	17.01	18.60	16.36	16.85	17.52	18.00	19.59
	4H	15.82	16.27	16.98	17.41	19.01	16.83	17.28	17.99	18.42	20.03
	6H	16.04	16.43	17.20	17.59	19.18	17.04	17.43	18.20	18.59	20.19
	8H	16.09	16.45	17.25	17.61	19.22	17.09	17.45	18.25	18.60	20.21
	12H	16.09	16.41	17.26	17.58	19.19	17.07	17.40	18.25	18.56	20.18
8H	4H	16.19	16.55	17.35	17.70	19.31	17.01	17.37	18.17	18.53	20.14
	6H	16.53	16.83	17.71	18.03	19.63	17.32	17.62	18.50	18.81	20.42
	8H	16.65	16.91	17.84	18.08	19.71	17.41	17.67	18.60	18.85	20.47
	12H	16.68	16.91	17.87	18.08	19.74	17.42	17.65	18.61	18.82	20.48
12H	4H	16.18	16.51	17.36	17.68	19.29	16.97	17.30	18.15	18.47	20.08
	6H	16.60	16.86	17.79	18.04	19.66	17.33	17.60	18.52	18.77	20.40
	8H	16.74	16.97	17.93	18.14	19.80	17.44	17.67	18.63	18.84	20.50