

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: P1428224

Luminaire Tested: SQ2W-PR1-K-050U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428224  
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-050U-125D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE RIPPLE LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

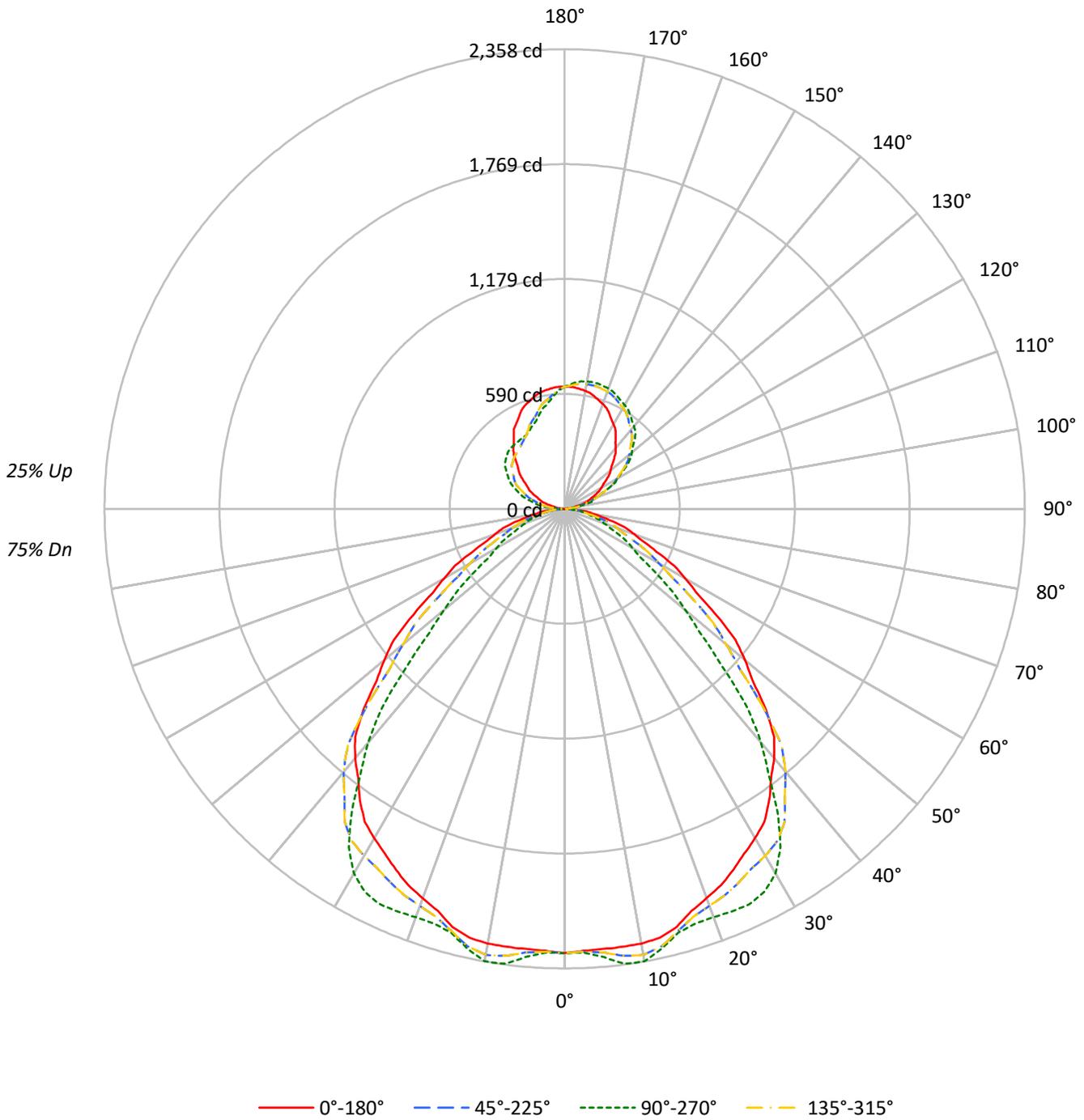
Lumens per Lamp: N/A  
Luminaire Lumens: 7312.6 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 64.1  
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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CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L930-UNV-STD-W-WM-4

### 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	50	30	10	0	
RCR																						
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75				
1	104	100	97	93	99	96	92	89	87	84	82	79	77	75	71	70	69	65				
2	96	89	83	78	91	85	79	75	77	73	69	70	67	64	64	61	59	56				
3	88	79	72	66	84	75	69	64	69	64	59	63	59	55	57	54	51	48				
4	81	70	63	57	77	67	60	55	62	56	51	57	52	48	52	48	45	42				
5	75	63	55	49	71	61	53	48	56	50	45	51	46	42	47	43	40	37				
6	69	57	49	43	66	55	47	42	51	44	40	47	41	38	43	39	35	33				
7	64	52	44	38	61	50	43	37	46	40	35	43	37	33	39	35	32	29				
8	60	47	40	34	57	46	38	33	42	36	32	39	34	30	36	32	28	26				
9	56	43	36	31	53	42	35	30	39	33	29	36	31	27	34	29	26	24				
10	52	40	33	28	50	39	32	27	36	30	26	34	28	25	31	27	24	22				

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

	0°	90°	180°	270°
0°	36791	36791	36791	36791
5°	36742	37421	36742	37421
10°	37129	38652	37129	38652
15°	37118	37622	37118	37622
20°	36518	38314	36518	38314
25°	36415	39891	36415	39891
30°	36375	40273	36375	40273
35°	36030	37496	36030	37496
40°	35200	32997	35200	32997
45°	33307	26094	33307	26094
50°	30280	20245	30280	20245
55°	26612	15758	26612	15758
60°	23027	12975	23027	12975
65°	19877	11358	19877	11358
70°	17872	10088	17872	10088
75°	16375	9276	16375	9276
80°	14254	9075	14254	9075
85°	10318	4298	10318	4298

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 35759 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.1	3.0
10°-20°	637.0	8.7
20°-30°	984.7	13.5
30°-40°	1184.2	16.2
40°-50°	1063.4	14.5
50°-60°	712.6	9.7
60°-70°	414.5	5.7
70°-80°	212.9	2.9
80°-90°	55.1	0.8
90°-100°	49.8	0.7
100°-110°	145.3	2.0
110°-120°	237.1	3.2
120°-130°	300.9	4.1
130°-140°	322.0	4.4
140°-150°	300.7	4.1
150°-160°	247.4	3.4
160°-170°	165.9	2.3
170°-180°	58.9	0.8
0°-30°	1841.8	25.2
0°-40°	3026.1	41.4
0°-60°	4802.1	65.7
0°-90°	5484.6	75.0
90°-120°	432.3	5.9
90°-150°	1355.8	18.5
90°-180°	1828.0	25.0
0°-180°	7312.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2279	2279	2279	2279	2279	
5°	2267	2309	2267	2309	2267	216
15°	2221	2251	2221	2251	2221	624
25°	2044	2239	2044	2239	2044	943
35°	1828	1902	1828	1902	1828	1140
45°	1459	1143	1459	1143	1459	1116
55°	945	560	945	560	945	850
65°	520	297	520	297	520	526
75°	262	149	262	149	262	279
85°	56	23	56	23	56	69
90°	2	14	2	27	2	4
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7
2.5°	2269.4	2281.8	2294.1	2288.6	2277.0	2271.6	2272.5	2273.7	2276.2	2278.7	2276.2
5°	2267.0	2284.6	2302.1	2298.0	2286.7	2282.0	2284.1	2288.2	2298.5	2308.9	2298.5
7.5°	2266.6	2291.6	2316.6	2318.5	2312.7	2312.8	2318.8	2326.7	2340.3	2353.9	2340.3
10°	2264.7	2294.7	2324.6	2329.0	2324.9	2323.3	2324.3	2328.7	2343.2	2357.6	2343.2
12.5°	2253.6	2288.5	2323.4	2319.7	2303.2	2294.2	2292.8	2293.6	2301.5	2309.3	2301.5
15°	2220.6	2261.9	2303.2	2286.4	2250.3	2233.8	2236.9	2240.5	2245.6	2250.8	2245.6
17.5°	2162.5	2205.7	2248.8	2233.8	2199.3	2187.6	2198.8	2209.7	2219.8	2229.9	2219.8
20°	2125.4	2167.7	2210.0	2199.7	2171.8	2165.1	2179.6	2194.8	2212.3	2229.9	2212.3
22.5°	2091.9	2134.2	2176.6	2170.0	2147.0	2145.7	2165.9	2187.1	2211.3	2235.5	2211.3
25°	2044.1	2081.2	2118.4	2119.2	2107.8	2119.2	2153.2	2185.5	2212.3	2239.2	2212.3
27.5°	1993.9	2015.8	2037.7	2052.1	2064.1	2093.1	2139.1	2178.4	2197.2	2215.9	2197.2
30°	1951.1	1965.6	1980.1	2006.9	2037.9	2073.5	2113.7	2145.7	2153.0	2160.2	2153.0
32.5°	1904.7	1913.4	1922.0	1959.8	2007.3	2041.7	2063.0	2076.6	2067.3	2058.0	2067.3
35°	1828.0	1835.3	1842.5	1890.8	1952.7	1975.4	1958.9	1941.6	1922.0	1902.4	1922.0
37.5°	1737.0	1751.9	1766.7	1806.1	1853.5	1853.1	1804.8	1763.0	1740.4	1717.9	1740.4
40°	1670.1	1694.9	1719.6	1746.0	1772.8	1750.1	1677.8	1617.2	1591.4	1565.6	1591.4
42.5°	1588.3	1628.0	1667.6	1673.5	1668.1	1619.4	1527.3	1450.4	1418.8	1387.2	1418.8
45°	1458.7	1512.4	1566.1	1535.4	1476.5	1397.0	1296.9	1213.0	1177.9	1142.8	1177.9
47.5°	1305.9	1361.0	1416.1	1358.2	1262.6	1170.1	1080.7	1005.5	972.6	939.8	972.6
50°	1205.5	1249.9	1294.3	1228.8	1126.6	1033.6	950.0	878.3	842.1	806.0	842.1
52.5°	1103.3	1135.3	1167.3	1102.4	1005.2	914.7	831.1	760.2	727.3	694.5	727.3
55°	945.4	961.9	978.4	918.3	832.6	750.0	670.5	605.2	582.5	559.8	582.5
57.5°	800.4	811.0	821.5	764.5	685.0	611.5	544.0	489.2	472.5	455.7	472.5
60°	713.1	720.3	727.6	669.7	590.2	524.2	471.5	428.7	415.3	401.8	415.3
62.5°	633.2	638.8	644.3	588.6	512.4	453.4	411.4	377.5	367.4	357.2	367.4
65°	520.3	525.5	530.6	483.1	418.1	369.6	337.6	311.8	304.5	297.3	304.5
67.5°	430.6	433.3	436.0	396.9	343.8	304.7	279.5	258.9	252.1	245.3	252.1
70°	378.6	379.6	380.7	346.1	299.6	265.1	242.3	224.0	218.9	213.7	218.9
72.5°	332.2	330.7	329.3	298.4	257.7	228.1	209.5	194.7	191.2	187.7	191.2
75°	262.5	259.4	256.3	230.7	197.7	175.0	162.6	152.8	150.7	148.7	150.7
77.5°	196.0	192.7	189.4	168.2	140.9	125.2	121.1	118.0	118.0	118.0	118.0
80°	153.3	149.2	145.0	128.5	107.9	97.6	97.6	97.6	97.6	97.6	97.6
82.5°	114.3	108.5	102.7	92.6	81.0	75.3	75.3	75.1	74.2	73.4	74.2
85°	55.7	50.6	45.4	44.1	44.1	41.0	34.8	29.4	26.3	23.2	26.3
87.5°	15.2	15.8	16.4	13.8	10.0	8.1	8.1	8.2	8.4	8.4	8.4
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7
2.5°	2273.7	2272.5	2271.6	2277.0	2288.6	2294.1	2281.8	2269.4	2281.8	2294.1	2288.6
5°	2288.2	2284.1	2282.0	2286.7	2298.0	2302.1	2284.6	2267.0	2284.6	2302.1	2298.0
7.5°	2326.7	2318.8	2312.8	2312.7	2318.5	2316.6	2291.6	2266.6	2291.6	2316.6	2318.5
10°	2328.7	2324.3	2323.3	2324.9	2329.0	2324.6	2294.7	2264.7	2294.7	2324.6	2329.0
12.5°	2293.6	2292.8	2294.2	2303.2	2319.7	2323.4	2288.5	2253.6	2288.5	2323.4	2319.7
15°	2240.5	2236.9	2233.8	2250.3	2286.4	2303.2	2261.9	2220.6	2261.9	2303.2	2286.4
17.5°	2209.7	2198.8	2187.6	2199.3	2233.8	2248.8	2205.7	2162.5	2205.7	2248.8	2233.8
20°	2194.8	2179.6	2165.1	2171.8	2199.7	2210.0	2167.7	2125.4	2167.7	2210.0	2199.7
22.5°	2187.1	2165.9	2145.7	2147.0	2170.0	2176.6	2134.2	2091.9	2134.2	2176.6	2170.0
25°	2185.5	2153.2	2119.2	2107.8	2119.2	2118.4	2081.2	2044.1	2081.2	2118.4	2119.2
27.5°	2178.4	2139.1	2093.1	2064.1	2052.1	2037.7	2015.8	1993.9	2015.8	2037.7	2052.1
30°	2145.7	2113.7	2073.5	2037.9	2006.9	1980.1	1965.6	1951.1	1965.6	1980.1	2006.9
32.5°	2076.6	2063.0	2041.7	2007.3	1959.8	1922.0	1913.4	1904.7	1913.4	1922.0	1959.8
35°	1941.6	1958.9	1975.4	1952.7	1890.8	1842.5	1835.3	1828.0	1835.3	1842.5	1890.8
37.5°	1763.0	1804.8	1853.1	1853.5	1806.1	1766.7	1751.9	1737.0	1751.9	1766.7	1806.1
40°	1617.2	1677.8	1750.1	1772.8	1746.0	1719.6	1694.9	1670.1	1694.9	1719.6	1746.0
42.5°	1450.4	1527.3	1619.4	1668.1	1673.5	1667.6	1628.0	1588.3	1628.0	1667.6	1673.5
45°	1213.0	1296.9	1397.0	1476.5	1535.4	1566.1	1512.4	1458.7	1512.4	1566.1	1535.4
47.5°	1005.5	1080.7	1170.1	1262.6	1358.2	1416.1	1361.0	1305.9	1361.0	1416.1	1358.2
50°	878.3	950.0	1033.6	1126.6	1228.8	1294.3	1249.9	1205.5	1249.9	1294.3	1228.8
52.5°	760.2	831.1	914.7	1005.2	1102.4	1167.3	1135.3	1103.3	1135.3	1167.3	1102.4
55°	605.2	670.5	750.0	832.6	918.3	978.4	961.9	945.4	961.9	978.4	918.3
57.5°	489.2	544.0	611.5	685.0	764.5	821.5	811.0	800.4	811.0	821.5	764.5
60°	428.7	471.5	524.2	590.2	669.7	727.6	720.3	713.1	720.3	727.6	669.7
62.5°	377.5	411.4	453.4	512.4	588.6	644.3	638.8	633.2	638.8	644.3	588.6
65°	311.8	337.6	369.6	418.1	483.1	530.6	525.5	520.3	525.5	530.6	483.1
67.5°	258.9	279.5	304.7	343.8	396.9	436.0	433.3	430.6	433.3	436.0	396.9
70°	224.0	242.3	265.1	299.6	346.1	380.7	379.6	378.6	379.6	380.7	346.1
72.5°	194.7	209.5	228.1	257.7	298.4	329.3	330.7	332.2	330.7	329.3	298.4
75°	152.8	162.6	175.0	197.7	230.7	256.3	259.4	262.5	259.4	256.3	230.7
77.5°	118.0	121.1	125.2	140.9	168.2	189.4	192.7	196.0	192.7	189.4	168.2
80°	97.6	97.6	97.6	107.9	128.5	145.0	149.2	153.3	149.2	145.0	128.5
82.5°	75.1	75.3	75.3	81.0	92.6	102.7	108.5	114.3	108.5	102.7	92.6
85°	29.4	34.8	41.0	44.1	44.1	45.4	50.6	55.7	50.6	45.4	44.1
87.5°	8.2	8.1	8.1	10.0	13.8	16.4	15.8	15.2	15.8	16.3	14.0
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1428224

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1428224

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7
2.5°	2277.0	2271.6	2272.5	2273.7	2276.2	2278.7	2276.2	2273.7	2272.5	2271.6	2277.0
5°	2286.7	2282.0	2284.1	2288.2	2298.5	2308.9	2298.5	2288.2	2284.1	2282.0	2286.7
7.5°	2312.7	2312.8	2318.8	2326.7	2340.3	2353.9	2340.3	2326.7	2318.8	2312.8	2312.7
10°	2324.9	2323.3	2324.3	2328.7	2343.2	2357.6	2343.2	2328.7	2324.3	2323.3	2324.9
12.5°	2303.2	2294.2	2292.8	2293.6	2301.5	2309.3	2301.5	2293.6	2292.8	2294.2	2303.2
15°	2250.3	2233.8	2236.9	2240.5	2245.6	2250.8	2245.6	2240.5	2236.9	2233.8	2250.3
17.5°	2199.3	2187.6	2198.8	2209.7	2219.8	2229.9	2219.8	2209.7	2198.8	2187.6	2199.3
20°	2171.8	2165.1	2179.6	2194.8	2212.3	2229.9	2212.3	2194.8	2179.6	2165.1	2171.8
22.5°	2147.0	2145.7	2165.9	2187.1	2211.3	2235.5	2211.3	2187.1	2165.9	2145.7	2147.0
25°	2107.8	2119.2	2153.2	2185.5	2212.3	2239.2	2212.3	2185.5	2153.2	2119.2	2107.8
27.5°	2064.1	2093.1	2139.1	2178.4	2197.2	2215.9	2197.2	2178.4	2139.1	2093.1	2064.1
30°	2037.9	2073.5	2113.7	2145.7	2153.0	2160.2	2153.0	2145.7	2113.7	2073.5	2037.9
32.5°	2007.3	2041.7	2063.0	2076.6	2067.3	2058.0	2067.3	2076.6	2063.0	2041.7	2007.3
35°	1952.7	1975.4	1958.9	1941.6	1922.0	1902.4	1922.0	1941.6	1958.9	1975.4	1952.7
37.5°	1853.5	1853.1	1804.8	1763.0	1740.4	1717.9	1740.4	1763.0	1804.8	1853.1	1853.5
40°	1772.8	1750.1	1677.8	1617.2	1591.4	1565.6	1591.4	1617.2	1677.8	1750.1	1772.8
42.5°	1668.1	1619.4	1527.3	1450.4	1418.8	1387.2	1418.8	1450.4	1527.3	1619.4	1668.1
45°	1476.5	1397.0	1296.9	1213.0	1177.9	1142.8	1177.9	1213.0	1296.9	1397.0	1476.5
47.5°	1262.6	1170.1	1080.7	1005.5	972.6	939.8	972.6	1005.5	1080.7	1170.1	1262.6
50°	1126.6	1033.6	950.0	878.3	842.1	806.0	842.1	878.3	950.0	1033.6	1126.6
52.5°	1005.2	914.7	831.1	760.2	727.3	694.5	727.3	760.2	831.1	914.7	1005.2
55°	832.6	750.0	670.5	605.2	582.5	559.8	582.5	605.2	670.5	750.0	832.6
57.5°	685.0	611.5	544.0	489.2	472.5	455.7	472.5	489.2	544.0	611.5	685.0
60°	590.2	524.2	471.5	428.7	415.3	401.8	415.3	428.7	471.5	524.2	590.2
62.5°	512.4	453.4	411.4	377.5	367.4	357.2	367.4	377.5	411.4	453.4	512.4
65°	418.1	369.6	337.6	311.8	304.5	297.3	304.5	311.8	337.6	369.6	418.1
67.5°	343.8	304.7	279.5	258.9	252.1	245.3	252.1	258.9	279.5	304.7	343.8
70°	299.6	265.1	242.3	224.0	218.9	213.7	218.9	224.0	242.3	265.1	299.6
72.5°	257.7	228.1	209.5	194.7	191.2	187.7	191.2	194.7	209.5	228.1	257.7
75°	197.7	175.0	162.6	152.8	150.7	148.7	150.7	152.8	162.6	175.0	197.7
77.5°	140.9	125.2	121.1	118.0	118.0	118.0	118.0	118.0	121.1	125.2	140.9
80°	107.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	107.9
82.5°	81.0	75.3	75.3	75.1	74.2	73.4	74.2	75.1	75.3	75.3	81.0
85°	44.1	41.0	34.8	29.4	26.3	23.2	26.3	29.4	34.8	41.0	44.1
87.5°	10.5	9.4	10.3	10.8	11.3	11.0	11.3	10.8	10.3	9.4	10.5
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1428224

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1428224

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2278.7	2278.7	2278.7	2278.7
2.5°	2288.6	2294.1	2281.8	2269.4
5°	2298.0	2302.1	2284.6	2267.0
7.5°	2318.5	2316.6	2291.6	2266.6
10°	2329.0	2324.6	2294.7	2264.7
12.5°	2319.7	2323.4	2288.5	2253.6
15°	2286.4	2303.2	2261.9	2220.6
17.5°	2233.8	2248.8	2205.7	2162.5
20°	2199.7	2210.0	2167.7	2125.4
22.5°	2170.0	2176.6	2134.2	2091.9
25°	2119.2	2118.4	2081.2	2044.1
27.5°	2052.1	2037.7	2015.8	1993.9
30°	2006.9	1980.1	1965.6	1951.1
32.5°	1959.8	1922.0	1913.4	1904.7
35°	1890.8	1842.5	1835.3	1828.0
37.5°	1806.1	1766.7	1751.9	1737.0
40°	1746.0	1719.6	1694.9	1670.1
42.5°	1673.5	1667.6	1628.0	1588.3
45°	1535.4	1566.1	1512.4	1458.7
47.5°	1358.2	1416.1	1361.0	1305.9
50°	1228.8	1294.3	1249.9	1205.5
52.5°	1102.4	1167.3	1135.3	1103.3
55°	918.3	978.4	961.9	945.4
57.5°	764.5	821.5	811.0	800.4
60°	669.7	727.6	720.3	713.1
62.5°	588.6	644.3	638.8	633.2
65°	483.1	530.6	525.5	520.3
67.5°	396.9	436.0	433.3	430.6
70°	346.1	380.7	379.6	378.6
72.5°	298.4	329.3	330.7	332.2
75°	230.7	256.3	259.4	262.5
77.5°	168.2	189.4	192.7	196.0
80°	128.5	145.0	149.2	153.3
82.5°	92.6	102.7	108.5	114.3
85°	44.1	45.4	50.6	55.7
87.5°	14.0	16.3	15.8	15.2
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7

TEST NUMBER: P1428224

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1



TEST NUMBER: P1428224  
 CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L930-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	21.28	22.35	22.00	23.08	23.95	17.65	18.72	18.37	19.45	20.32
	3H	22.51	23.46	23.24	24.20	25.10	18.83	19.79	19.56	20.53	21.43
	4H	23.00	23.90	23.75	24.65	25.56	19.31	20.20	20.06	20.95	21.87
	6H	23.31	24.14	24.07	24.90	25.82	19.66	20.49	20.42	21.25	22.17
	8H	23.42	24.21	24.19	24.98	25.91	19.80	20.59	20.57	21.37	22.29
	12H	23.47	24.22	24.24	24.99	25.94	19.84	20.59	20.62	21.36	22.31
4H	2H	21.41	22.31	22.17	23.06	23.98	18.39	19.29	19.14	20.04	20.95
	3H	22.89	23.64	23.66	24.42	25.35	19.77	20.51	20.53	21.30	22.22
	4H	23.53	24.20	24.31	24.99	25.95	20.32	20.99	21.10	21.78	22.74
	6H	23.97	24.55	24.77	25.36	26.33	20.76	21.34	21.56	22.16	23.12
	8H	24.13	24.68	24.94	25.48	26.46	20.95	21.49	21.75	22.30	23.28
	12H	24.21	24.70	25.03	25.53	26.51	21.01	21.49	21.83	22.32	23.30
8H	4H	23.57	24.11	24.37	24.92	25.90	20.66	21.20	21.46	22.01	22.99
	6H	24.11	24.56	24.94	25.41	26.38	21.21	21.66	22.04	22.51	23.48
	8H	24.34	24.74	25.19	25.59	26.58	21.47	21.87	22.31	22.72	23.71
	12H	24.47	24.82	25.31	25.66	26.71	21.57	21.92	22.41	22.76	23.81
12H	4H	23.54	24.02	24.36	24.85	25.83	20.69	21.18	21.51	22.01	22.99
	6H	24.10	24.50	24.94	25.35	26.34	21.28	21.68	22.12	22.53	23.52
	8H	24.36	24.71	25.20	25.55	26.60	21.58	21.93	22.42	22.77	23.82