

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: P1435949

Luminaire Tested: SQ2W-FB-K-050U-125D-L830-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435949
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-050U-125D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

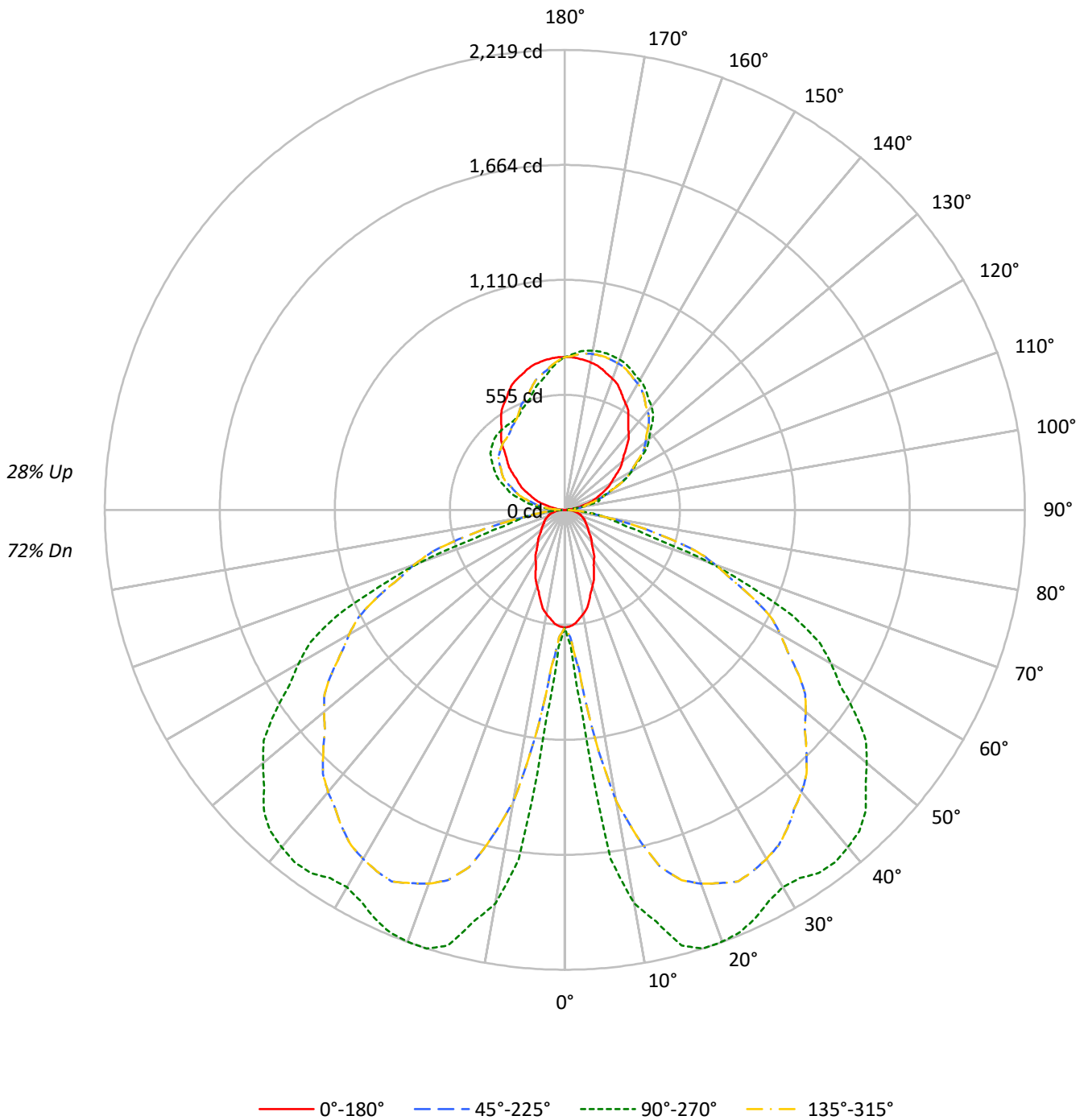
Lumens per Lamp: N/A
Luminaire Lumens: 7761.4 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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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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	112	112	112	112	107	107	107	107	96	96	96	86	86	86	77	77	77	77	77	77	72	
1	103	98	94	90	97	93	89	86	84	81	78	75	73	71	67	66	64	64	64	64	60	
2	93	85	78	73	88	81	75	70	73	68	64	65	62	59	59	56	53	53	53	53	50	
3	84	74	66	60	80	70	63	58	64	58	53	57	53	49	51	48	45	45	45	45	41	
4	77	65	57	50	72	62	54	48	56	50	45	50	45	41	45	41	38	38	38	38	35	
5	70	58	49	42	66	55	47	41	50	43	38	45	39	35	40	36	32	32	32	32	29	
6	65	51	43	36	61	49	41	35	45	38	33	40	35	30	36	32	28	28	28	28	25	
7	60	46	38	32	56	44	36	31	40	33	29	36	31	27	33	28	24	24	24	24	22	
8	55	42	34	28	52	40	32	27	36	30	25	33	27	23	30	25	22	22	22	22	19	
9	51	38	30	25	48	36	29	24	33	27	22	30	25	21	27	23	19	19	19	19	17	
10	48	35	27	22	45	33	26	21	30	24	20	28	22	19	25	21	17	17	17	17	15	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9171	9171	9171	9171
5°	8940	16241	8940	16241
10°	8371	31606	8371	31606
15°	7577	36377	7577	36377
20°	6709	38095	6709	38095
25°	5934	38720	5934	38720
30°	5242	39197	5242	39197
35°	4683	42140	4683	42140
40°	4260	44775	4260	44775
45°	3927	46886	3927	46886
50°	3705	47737	3705	47737
55°	3612	48115	3612	48115
60°	3704	47878	3704	47878
65°	3859	46524	3859	46524
70°	3994	35188	3994	35188
75°	4429	19419	4429	19419
80°	4575	18029	4575	18029
85°	4557	7595	4557	7595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 48551 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	1.2
10°-20°	434.2	5.6
20°-30°	764.0	9.8
30°-40°	989.0	12.7
40°-50°	1090.7	14.1
50°-60°	1018.0	13.1
60°-70°	786.5	10.1
70°-80°	362.5	4.7
80°-90°	72.4	0.9
90°-100°	58.6	0.8
100°-110°	170.8	2.2
110°-120°	278.8	3.6
120°-130°	353.7	4.6
130°-140°	378.5	4.9
140°-150°	353.4	4.6
150°-160°	290.8	3.7
160°-170°	195.1	2.5
170°-180°	69.3	0.9
0°-30°	1293.4	16.7
0°-40°	2282.4	29.4
0°-60°	4391.1	56.6
0°-90°	5612.5	72.3
90°-120°	508.2	6.5
90°-150°	1593.8	20.5
90°-180°	2149.0	27.7
0°-180°	7761.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	552	1002	552	1002	552	51
15°	453	2176	453	2176	453	126
25°	333	2174	333	2174	333	153
35°	238	2138	238	2138	238	149
45°	172	2053	172	2053	172	133
55°	128	1709	128	1709	128	116
65°	101	1218	101	1218	101	99
75°	71	311	71	311	71	73
85°	25	41	25	41	25	26
90°	2	16	2	32	2	3
95°	23	17	23	100	23	28
105°	108	174	108	239	108	115
115°	208	288	208	355	208	205
125°	308	457	308	436	308	275
135°	418	598	418	482	418	323
145°	534	690	534	493	534	334
155°	635	749	635	512	635	292
165°	702	781	702	589	702	198
175°	734	765	734	691	734	70
180°	736	736	736	736	736	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0
2.5°	563.6	574.3	584.9	596.4	608.0	620.6	634.2	645.9	651.7	657.5	651.7
5°	551.6	588.0	624.4	677.2	735.4	801.6	875.6	939.0	970.6	1002.1	970.6
7.5°	530.3	604.3	678.3	835.2	1019.7	1211.2	1409.7	1574.4	1637.5	1700.6	1637.5
10°	510.6	613.8	716.9	983.0	1303.4	1549.7	1722.1	1859.8	1893.8	1927.8	1893.8
12.5°	488.8	628.8	768.9	1097.3	1488.6	1744.6	1865.5	1964.9	1999.9	2034.8	1999.9
15°	453.3	653.5	853.8	1225.1	1653.5	1916.9	2015.2	2098.6	2137.4	2176.3	2137.4
17.5°	416.7	683.2	949.7	1328.5	1744.8	2001.6	2098.9	2177.2	2198.3	2219.4	2198.3
20°	390.5	703.6	1016.7	1396.2	1797.9	2040.6	2124.4	2190.5	2203.9	2217.2	2203.9
22.5°	366.4	716.4	1066.4	1446.5	1836.5	2063.2	2126.6	2177.7	2192.0	2206.3	2192.0
25°	333.1	727.5	1122.0	1500.9	1874.7	2081.6	2121.6	2154.1	2163.8	2173.5	2163.8
27.5°	300.9	717.7	1134.4	1508.5	1868.5	2061.6	2087.8	2109.8	2119.3	2128.7	2119.3
30°	281.2	704.8	1128.3	1499.1	1852.2	2038.5	2057.9	2075.8	2089.2	2102.5	2089.2
32.5°	263.8	689.3	1114.7	1480.9	1827.2	2009.6	2028.1	2049.1	2078.0	2106.9	2078.0
35°	237.6	656.2	1074.9	1437.2	1780.6	1966.9	1996.0	2031.2	2084.6	2138.0	2084.6
37.5°	215.2	614.0	1012.7	1371.3	1716.4	1919.5	1980.4	2038.9	2090.4	2141.9	2090.4
40°	202.1	584.3	966.6	1322.5	1669.6	1883.8	1965.1	2037.0	2080.7	2124.4	2080.7
42.5°	189.0	550.8	912.7	1265.7	1615.7	1838.2	1933.1	2015.2	2058.8	2102.5	2058.8
45°	172.0	497.3	822.5	1172.3	1530.3	1765.2	1876.8	1970.9	2012.1	2053.4	2012.1
47.5°	156.2	438.7	721.2	1072.6	1446.8	1693.2	1811.6	1908.0	1938.1	1968.2	1938.1
50°	147.5	399.9	652.3	1004.8	1390.8	1642.0	1758.5	1851.9	1876.2	1900.5	1876.2
52.5°	138.7	362.0	585.3	938.6	1335.2	1588.3	1698.0	1785.9	1808.2	1830.6	1808.2
55°	128.3	310.4	492.4	841.9	1247.3	1497.9	1593.7	1670.5	1689.9	1709.3	1689.9
57.5°	119.1	265.9	412.7	751.3	1153.7	1395.8	1477.6	1542.9	1558.7	1574.4	1558.7
60°	114.7	242.1	369.5	694.5	1085.2	1317.6	1391.7	1451.1	1466.9	1482.7	1466.9
62.5°	108.1	219.1	330.0	637.7	1011.0	1231.7	1299.9	1354.8	1369.6	1384.4	1369.6
65°	101.0	190.8	280.6	557.9	897.7	1096.2	1153.2	1198.4	1208.1	1217.8	1208.1
67.5°	91.2	167.4	243.6	484.9	781.3	947.2	982.6	1004.7	986.5	968.3	986.5
70°	84.6	155.0	225.4	440.5	703.9	841.6	853.8	849.8	797.6	745.4	797.6
72.5°	80.3	142.9	205.5	391.7	619.2	719.5	692.8	648.1	549.3	450.5	549.3
75°	71.0	122.0	172.9	313.1	483.0	509.7	393.2	306.4	308.9	311.3	308.9
77.5°	57.9	96.0	134.1	220.3	322.4	342.7	281.1	235.4	237.6	239.7	237.6
80°	49.2	79.5	109.8	143.8	179.0	195.4	193.0	191.4	192.7	193.9	192.7
82.5°	40.4	63.0	85.6	105.9	125.6	136.6	139.1	140.5	138.8	137.1	138.8
85°	24.6	37.9	51.3	59.2	65.2	63.4	53.7	45.8	43.4	41.0	43.4
87.5°	9.2	14.6	20.2	19.1	15.7	13.9	13.9	14.0	14.2	14.2	14.2
90°	2.2	5.2	8.9	11.9	14.1	14.9	14.9	15.6	16.4	16.4	16.4
92.5°	8.2	12.9	13.1	13.1	15.9	17.2	18.4	18.6	19.3	19.3	19.3
95°	23.0	25.3	37.9	37.2	25.3	20.1	17.1	17.1	17.1	17.1	17.1
97.5°	44.0	47.3	49.4	66.2	69.9	67.5	55.0	46.2	41.3	39.1	41.3
100°	62.4	63.9	68.4	69.1	87.7	105.6	96.6	85.5	81.8	79.5	81.8
102.5°	80.9	81.8	88.6	91.7	96.1	106.2	137.1	133.7	131.1	130.7	131.1
105°	108.5	109.3	121.9	127.9	130.8	130.8	130.1	145.0	168.8	174.0	168.8
107.5°	138.1	141.5	156.4	172.3	175.7	176.6	172.8	170.5	169.6	170.2	169.6
110°	158.3	163.6	181.4	201.5	206.7	208.2	206.7	204.4	203.0	203.0	203.0

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CATALOG NUMBER: SQ2W-FB-K-050U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	178.0	185.6	205.8	228.8	237.6	242.1	238.8	237.2	235.7	236.9	235.7
115°	208.2	219.3	246.1	269.9	287.7	289.9	289.2	289.2	288.4	288.4	288.4
117.5°	236.1	254.0	284.0	311.6	332.3	338.3	341.2	340.3	339.4	340.9	339.4
120°	255.7	276.6	310.8	342.0	362.0	371.0	373.9	372.5	373.9	372.5	373.9
122.5°	276.6	302.1	335.7	368.1	391.8	401.9	405.5	405.8	406.1	405.2	406.1
125°	307.8	339.0	378.4	411.9	436.4	448.3	451.3	452.0	453.5	457.2	453.5
127.5°	339.3	374.7	418.0	450.2	475.3	489.8	494.4	496.0	499.1	500.8	499.1
130°	361.3	401.4	445.3	475.8	500.3	515.9	524.1	526.3	530.1	529.3	530.1
132.5°	384.5	426.4	470.9	502.6	525.3	542.1	549.1	555.5	556.8	557.9	556.8
135°	418.5	463.9	508.5	539.7	561.3	577.6	586.6	592.5	596.2	598.5	596.2
137.5°	454.4	502.3	545.1	572.9	594.6	608.7	618.8	625.1	628.9	630.7	628.9
140°	478.8	524.9	566.5	595.5	614.8	628.9	637.9	645.3	649.8	649.8	649.8
142.5°	502.0	547.5	587.9	616.9	633.8	646.8	656.3	661.9	667.0	667.0	667.0
145°	534.5	579.9	617.0	646.0	660.2	672.1	682.5	686.9	689.9	689.9	689.9
147.5°	568.6	608.7	642.6	670.4	682.3	696.3	704.5	708.0	711.8	710.1	711.8
150°	588.8	626.0	658.7	684.7	696.6	710.0	718.1	721.1	724.8	722.6	724.8
152.5°	608.4	643.8	673.5	697.8	707.9	721.3	730.6	733.6	736.1	734.5	736.1
155°	634.9	666.1	693.6	715.9	724.8	737.5	746.4	750.1	753.1	749.4	753.1
157.5°	658.5	685.4	709.4	729.9	739.4	750.3	758.6	763.2	766.2	764.5	766.2
160°	672.8	697.3	718.9	738.2	747.1	756.8	765.7	770.9	773.9	771.7	773.9
162.5°	684.7	706.8	727.2	744.8	752.5	761.0	771.7	776.3	779.3	776.4	779.3
165°	701.8	719.6	737.5	752.3	759.0	765.7	776.9	782.1	784.3	781.3	784.3
167.5°	714.7	728.4	742.8	755.6	760.5	767.1	778.2	782.5	785.4	781.6	785.4
170°	721.9	733.8	746.4	756.8	760.5	766.5	777.6	781.3	783.6	779.9	783.6
172.5°	727.8	736.7	747.0	756.2	758.1	762.9	773.5	777.2	778.8	775.7	778.8
175°	733.8	739.0	746.4	752.3	751.6	754.6	763.5	766.5	769.4	765.0	769.4
177.5°	736.6	739.0	741.3	744.9	742.5	742.5	749.1	750.9	751.5	749.1	751.5
180°	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0
2.5°	645.9	634.2	620.6	608.0	596.4	584.9	574.3	563.6	574.3	584.9	596.4
5°	939.0	875.6	801.6	735.4	677.2	624.4	588.0	551.6	588.0	624.4	677.2
7.5°	1574.4	1409.7	1211.2	1019.7	835.2	678.3	604.3	530.3	604.3	678.3	835.2
10°	1859.8	1722.1	1549.7	1303.4	983.0	716.9	613.8	510.6	613.8	716.9	983.0
12.5°	1964.9	1865.5	1744.6	1488.6	1097.3	768.9	628.8	488.8	628.8	768.9	1097.3
15°	2098.6	2015.2	1916.9	1653.5	1225.1	853.8	653.5	453.3	653.5	853.8	1225.1
17.5°	2177.2	2098.9	2001.6	1744.8	1328.5	949.7	683.2	416.7	683.2	949.7	1328.5
20°	2190.5	2124.4	2040.6	1797.9	1396.2	1016.7	703.6	390.5	703.6	1016.7	1396.2
22.5°	2177.7	2126.6	2063.2	1836.5	1446.5	1066.4	716.4	366.4	716.4	1066.4	1446.5
25°	2154.1	2121.6	2081.6	1874.7	1500.9	1122.0	727.5	333.1	727.5	1122.0	1500.9
27.5°	2109.8	2087.8	2061.6	1868.5	1508.5	1134.4	717.7	300.9	717.7	1134.4	1508.5
30°	2075.8	2057.9	2038.5	1852.2	1499.1	1128.3	704.8	281.2	704.8	1128.3	1499.1
32.5°	2049.1	2028.1	2009.6	1827.2	1480.9	1114.7	689.3	263.8	689.3	1114.7	1480.9
35°	2031.2	1996.0	1966.9	1780.6	1437.2	1074.9	656.2	237.6	656.2	1074.9	1437.2
37.5°	2038.9	1980.4	1919.5	1716.4	1371.3	1012.7	614.0	215.2	614.0	1012.7	1371.3
40°	2037.0	1965.1	1883.8	1669.6	1322.5	966.6	584.3	202.1	584.3	966.6	1322.5
42.5°	2015.2	1933.1	1838.2	1615.7	1265.7	912.7	550.8	189.0	550.8	912.7	1265.7
45°	1970.9	1876.8	1765.2	1530.3	1172.3	822.5	497.3	172.0	497.3	822.5	1172.3
47.5°	1908.0	1811.6	1693.2	1446.8	1072.6	721.2	438.7	156.2	438.7	721.2	1072.6
50°	1851.9	1758.5	1642.0	1390.8	1004.8	652.3	399.9	147.5	399.9	652.3	1004.8
52.5°	1785.9	1698.0	1588.3	1335.2	938.6	585.3	362.0	138.7	362.0	585.3	938.6
55°	1670.5	1593.7	1497.9	1247.3	841.9	492.4	310.4	128.3	310.4	492.4	841.9
57.5°	1542.9	1477.6	1395.8	1153.7	751.3	412.7	265.9	119.1	265.9	412.7	751.3
60°	1451.1	1391.7	1317.6	1085.2	694.5	369.5	242.1	114.7	242.1	369.5	694.5
62.5°	1354.8	1299.9	1231.7	1011.0	637.7	330.0	219.1	108.1	219.1	330.0	637.7
65°	1198.4	1153.2	1096.2	897.7	557.9	280.6	190.8	101.0	190.8	280.6	557.9
67.5°	1004.7	982.6	947.2	781.3	484.9	243.6	167.4	91.2	167.4	243.6	484.9
70°	849.8	853.8	841.6	703.9	440.5	225.4	155.0	84.6	155.0	225.4	440.5
72.5°	648.1	692.8	719.5	619.2	391.7	205.5	142.9	80.3	142.9	205.5	391.7
75°	306.4	393.2	509.7	483.0	313.1	172.9	122.0	71.0	122.0	172.9	313.1
77.5°	235.4	281.1	342.7	322.4	220.3	134.1	96.0	57.9	96.0	134.1	220.3
80°	191.4	193.0	195.4	179.0	143.8	109.8	79.5	49.2	79.5	109.8	143.8
82.5°	140.5	139.1	136.6	125.6	105.9	85.6	63.0	40.4	63.0	85.6	105.9
85°	45.8	53.7	63.4	65.2	59.2	51.3	37.9	24.6	37.9	51.3	59.2
87.5°	14.0	13.9	13.9	15.7	19.1	20.2	14.6	9.2	14.6	20.1	19.4
90°	15.6	14.9	14.9	14.1	11.9	8.9	5.2	2.2	5.2	8.2	13.4
92.5°	18.6	18.4	17.2	15.9	13.1	13.1	12.9	8.2	14.1	20.1	28.8
95°	17.1	17.1	20.1	25.3	37.2	37.9	25.3	23.0	32.7	46.1	58.0
97.5°	46.2	55.0	67.5	69.9	66.2	49.4	47.3	44.0	59.9	73.2	92.3
100°	85.5	96.6	105.6	87.7	69.1	68.4	63.9	62.4	79.5	92.2	110.8
102.5°	133.7	137.1	106.2	96.1	91.7	88.6	81.8	80.9	98.0	115.4	131.0
105°	145.0	130.1	130.8	130.8	127.9	121.9	109.3	108.5	127.9	147.9	167.3
107.5°	170.5	172.8	176.6	175.7	172.3	156.4	141.5	138.1	155.5	179.6	200.9
110°	204.4	206.7	208.2	206.7	201.5	181.4	163.6	158.3	174.0	199.2	222.3



TEST NUMBER: P1435949

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	237.2	238.8	242.1	237.6	228.8	205.8	185.6	178.0	193.6	219.5	243.1
115°	289.2	289.2	289.9	287.7	269.9	246.1	219.3	208.2	221.5	245.3	271.4
117.5°	340.3	341.2	338.3	332.3	311.6	284.0	254.0	236.1	246.7	271.8	298.6
120°	372.5	373.9	371.0	362.0	342.0	310.8	276.6	255.7	263.9	288.4	315.2
122.5°	405.8	405.5	401.9	391.8	368.1	335.7	302.1	276.6	280.0	302.7	328.9
125°	452.0	451.3	448.3	436.4	411.9	378.4	339.0	307.8	303.3	322.6	349.4
127.5°	496.0	494.4	489.8	475.3	450.2	418.0	374.7	339.3	329.3	341.5	366.1
130°	526.3	524.1	515.9	500.3	475.8	445.3	401.4	361.3	347.2	354.6	376.2
132.5°	555.5	549.1	542.1	525.3	502.6	470.9	426.4	384.5	365.0	368.3	385.1
135°	592.5	586.6	577.6	561.3	539.7	508.5	463.9	418.5	391.8	388.8	398.5
137.5°	625.1	618.8	608.7	594.6	572.9	545.1	502.3	454.4	420.6	410.7	414.4
140°	645.3	637.9	628.9	614.8	595.5	566.5	524.9	478.8	440.9	426.7	424.5
142.5°	661.9	656.3	646.8	633.8	616.9	587.9	547.5	502.0	461.7	443.4	438.2
145°	686.9	682.5	672.1	660.2	646.0	617.0	579.9	534.5	494.4	470.6	459.4
147.5°	708.0	704.5	696.3	682.3	670.4	642.6	608.7	568.6	527.4	497.9	483.5
150°	721.1	718.1	710.0	696.6	684.7	658.7	626.0	588.8	549.4	518.2	499.6
152.5°	733.6	730.6	721.3	707.9	697.8	673.5	643.8	608.4	568.4	537.2	518.0
155°	750.1	746.4	737.5	724.8	715.9	693.6	666.1	634.9	600.7	568.0	546.4
157.5°	763.2	758.6	750.3	739.4	729.9	709.4	685.4	658.5	628.6	597.4	575.4
160°	770.9	765.7	756.8	747.1	738.2	718.9	697.3	672.8	645.3	617.0	593.3
162.5°	776.3	771.7	761.0	752.5	744.8	727.2	706.8	684.7	660.2	635.5	613.5
165°	782.1	776.9	765.7	759.0	752.3	737.5	719.6	701.8	681.0	660.9	643.1
167.5°	782.5	778.2	767.1	760.5	755.6	742.8	728.4	714.7	698.5	682.8	667.9
170°	781.3	777.6	766.5	760.5	756.8	746.4	733.8	721.9	709.2	695.8	684.0
172.5°	777.2	773.5	762.9	758.1	756.2	747.0	736.7	727.8	717.0	707.1	697.6
175°	766.5	763.5	754.6	751.6	752.3	746.4	739.0	733.8	727.1	721.1	715.9
177.5°	750.9	749.1	742.5	742.5	744.9	741.3	739.0	736.6	733.6	731.8	730.0
180°	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0



TEST NUMBER: P1435949

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0
2.5°	608.0	620.6	634.2	645.9	651.7	657.5	651.7	645.9	634.2	620.6	608.0
5°	735.4	801.6	875.6	939.0	970.6	1002.1	970.6	939.0	875.6	801.6	735.4
7.5°	1019.7	1211.2	1409.7	1574.4	1637.5	1700.6	1637.5	1574.4	1409.7	1211.2	1019.7
10°	1303.4	1549.7	1722.1	1859.8	1893.8	1927.8	1893.8	1859.8	1722.1	1549.7	1303.4
12.5°	1488.6	1744.6	1865.5	1964.9	1999.9	2034.8	1999.9	1964.9	1865.5	1744.6	1488.6
15°	1653.5	1916.9	2015.2	2098.6	2137.4	2176.3	2137.4	2098.6	2015.2	1916.9	1653.5
17.5°	1744.8	2001.6	2098.9	2177.2	2198.3	2219.4	2198.3	2177.2	2098.9	2001.6	1744.8
20°	1797.9	2040.6	2124.4	2190.5	2203.9	2217.2	2203.9	2190.5	2124.4	2040.6	1797.9
22.5°	1836.5	2063.2	2126.6	2177.7	2192.0	2206.3	2192.0	2177.7	2126.6	2063.2	1836.5
25°	1874.7	2081.6	2121.6	2154.1	2163.8	2173.5	2163.8	2154.1	2121.6	2081.6	1874.7
27.5°	1868.5	2061.6	2087.8	2109.8	2119.3	2128.7	2119.3	2109.8	2087.8	2061.6	1868.5
30°	1852.2	2038.5	2057.9	2075.8	2089.2	2102.5	2089.2	2075.8	2057.9	2038.5	1852.2
32.5°	1827.2	2009.6	2028.1	2049.1	2078.0	2106.9	2078.0	2049.1	2028.1	2009.6	1827.2
35°	1780.6	1966.9	1996.0	2031.2	2084.6	2138.0	2084.6	2031.2	1996.0	1966.9	1780.6
37.5°	1716.4	1919.5	1980.4	2038.9	2090.4	2141.9	2090.4	2038.9	1980.4	1919.5	1716.4
40°	1669.6	1883.8	1965.1	2037.0	2080.7	2124.4	2080.7	2037.0	1965.1	1883.8	1669.6
42.5°	1615.7	1838.2	1933.1	2015.2	2058.8	2102.5	2058.8	2015.2	1933.1	1838.2	1615.7
45°	1530.3	1765.2	1876.8	1970.9	2012.1	2053.4	2012.1	1970.9	1876.8	1765.2	1530.3
47.5°	1446.8	1693.2	1811.6	1908.0	1938.1	1968.2	1938.1	1908.0	1811.6	1693.2	1446.8
50°	1390.8	1642.0	1758.5	1851.9	1876.2	1900.5	1876.2	1851.9	1758.5	1642.0	1390.8
52.5°	1335.2	1588.3	1698.0	1785.9	1808.2	1830.6	1808.2	1785.9	1698.0	1588.3	1335.2
55°	1247.3	1497.9	1593.7	1670.5	1689.9	1709.3	1689.9	1670.5	1593.7	1497.9	1247.3
57.5°	1153.7	1395.8	1477.6	1542.9	1558.7	1574.4	1558.7	1542.9	1477.6	1395.8	1153.7
60°	1085.2	1317.6	1391.7	1451.1	1466.9	1482.7	1466.9	1451.1	1391.7	1317.6	1085.2
62.5°	1011.0	1231.7	1299.9	1354.8	1369.6	1384.4	1369.6	1354.8	1299.9	1231.7	1011.0
65°	897.7	1096.2	1153.2	1198.4	1208.1	1217.8	1208.1	1198.4	1153.2	1096.2	897.7
67.5°	781.3	947.2	982.6	1004.7	986.5	968.3	986.5	1004.7	982.6	947.2	781.3
70°	703.9	841.6	853.8	849.8	797.6	745.4	797.6	849.8	853.8	841.6	703.9
72.5°	619.2	719.5	692.8	648.1	549.3	450.5	549.3	648.1	692.8	719.5	619.2
75°	483.0	509.7	393.2	306.4	308.9	311.3	308.9	306.4	393.2	509.7	483.0
77.5°	322.4	342.7	281.1	235.4	237.6	239.7	237.6	235.4	281.1	342.7	322.4
80°	179.0	195.4	193.0	191.4	192.7	193.9	192.7	191.4	193.0	195.4	179.0
82.5°	125.6	136.6	139.1	140.5	138.8	137.1	138.8	140.5	139.1	136.6	125.6
85°	65.2	63.4	53.7	45.8	43.4	41.0	43.4	45.8	53.7	63.4	65.2
87.5°	16.3	15.4	16.4	17.0	17.6	17.3	17.6	17.0	15.4	16.4	16.3
90°	17.1	22.3	27.5	30.5	33.5	32.0	33.5	30.5	22.3	27.5	17.1
92.5°	34.3	43.1	49.5	54.9	57.2	56.9	57.2	49.5	43.1	43.1	34.3
95°	69.1	79.5	90.0	97.4	101.8	100.4	101.8	97.4	90.0	79.5	69.1
97.5°	106.6	120.6	132.2	139.2	143.6	146.6	143.6	139.2	132.2	120.6	106.6
100°	131.6	145.0	158.3	166.5	174.0	176.9	174.0	166.5	158.3	145.0	131.6
102.5°	151.8	169.4	183.9	192.7	198.9	201.9	198.9	192.7	183.9	169.4	151.8
105°	185.1	203.7	219.3	230.5	237.2	239.4	237.2	230.5	219.3	203.7	185.1
107.5°	218.4	237.6	252.0	264.4	272.5	277.3	272.5	264.4	252.0	237.6	218.4
110°	244.6	260.2	275.8	287.0	295.1	298.1	295.1	287.0	275.8	260.2	244.6



TEST NUMBER: P1435949

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	266.6	284.0	299.6	310.8	320.1	324.3	320.1	310.8	299.6	284.0	266.6
115°	297.4	320.4	334.5	344.9	351.6	355.4	351.6	344.9	334.5	320.4	297.4
117.5°	322.9	347.0	362.5	370.5	373.6	376.3	373.6	370.5	362.5	347.0	322.9
120°	339.0	361.3	379.1	389.6	393.3	394.8	393.3	389.6	379.1	361.3	339.0
122.5°	353.9	375.0	392.2	405.0	411.1	412.6	411.1	405.0	392.2	375.0	353.9
125°	374.7	394.8	412.6	425.2	431.9	435.6	431.9	425.2	412.6	394.8	374.7
127.5°	392.8	414.5	430.9	442.3	448.9	451.9	448.9	442.3	430.9	414.5	392.8
130°	402.9	425.2	441.6	454.2	460.2	463.2	460.2	454.2	441.6	425.2	402.9
132.5°	410.7	434.2	451.1	462.6	469.1	472.1	469.1	462.6	451.1	434.2	410.7
135°	420.0	444.6	462.4	473.6	479.5	482.5	479.5	473.6	462.4	444.6	420.0
137.5°	428.2	450.5	469.1	480.8	486.2	488.1	486.2	480.8	469.1	450.5	428.2
140°	434.2	453.5	472.1	483.2	489.2	489.9	489.2	483.2	472.1	453.5	434.2
142.5°	441.9	457.1	473.3	484.4	490.4	491.7	490.4	484.4	473.3	457.1	441.9
145°	455.7	464.6	475.8	486.2	491.4	492.9	491.4	486.2	475.8	464.6	455.7
147.5°	473.1	475.9	481.7	488.6	493.6	494.7	493.6	488.6	481.7	475.9	473.1
150°	486.2	485.5	487.7	492.1	496.6	495.9	496.6	492.1	487.7	485.5	486.2
152.5°	501.1	496.8	496.6	498.7	500.8	500.6	500.8	498.7	496.6	496.8	501.1
155°	526.3	518.2	513.7	512.2	512.2	511.5	512.2	512.2	513.7	518.2	526.3
157.5°	554.1	542.7	536.0	532.4	531.4	529.8	531.4	532.4	536.0	542.7	554.1
160°	573.2	560.5	553.9	547.9	545.7	543.4	545.7	547.9	553.9	560.5	573.2
162.5°	591.0	579.0	571.7	566.3	564.1	560.7	564.1	566.3	571.7	579.0	591.0
165°	620.0	607.4	599.2	594.7	591.8	588.8	591.8	594.7	599.2	607.4	620.0
167.5°	649.0	635.2	629.8	624.8	621.9	616.6	621.9	624.8	629.8	635.2	649.0
170°	666.9	654.2	651.2	646.8	641.6	635.6	641.6	646.8	651.2	654.2	666.9
172.5°	682.3	673.8	670.9	666.4	664.8	660.0	664.8	666.4	670.9	673.8	682.3
175°	704.8	698.1	698.1	697.3	695.1	690.6	695.1	697.3	698.1	698.1	704.8
177.5°	723.5	719.9	722.3	722.3	721.7	717.6	721.7	722.3	722.3	719.9	723.5
180°	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0



TEST NUMBER: P1435949

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	568.0	568.0	568.0	568.0
2.5°	596.4	584.9	574.3	563.6
5°	677.2	624.4	588.0	551.6
7.5°	835.2	678.3	604.3	530.3
10°	983.0	716.9	613.8	510.6
12.5°	1097.3	768.9	628.8	488.8
15°	1225.1	853.8	653.5	453.3
17.5°	1328.5	949.7	683.2	416.7
20°	1396.2	1016.7	703.6	390.5
22.5°	1446.5	1066.4	716.4	366.4
25°	1500.9	1122.0	727.5	333.1
27.5°	1508.5	1134.4	717.7	300.9
30°	1499.1	1128.3	704.8	281.2
32.5°	1480.9	1114.7	689.3	263.8
35°	1437.2	1074.9	656.2	237.6
37.5°	1371.3	1012.7	614.0	215.2
40°	1322.5	966.6	584.3	202.1
42.5°	1265.7	912.7	550.8	189.0
45°	1172.3	822.5	497.3	172.0
47.5°	1072.6	721.2	438.7	156.2
50°	1004.8	652.3	399.9	147.5
52.5°	938.6	585.3	362.0	138.7
55°	841.9	492.4	310.4	128.3
57.5°	751.3	412.7	265.9	119.1
60°	694.5	369.5	242.1	114.7
62.5°	637.7	330.0	219.1	108.1
65°	557.9	280.6	190.8	101.0
67.5°	484.9	243.6	167.4	91.2
70°	440.5	225.4	155.0	84.6
72.5°	391.7	205.5	142.9	80.3
75°	313.1	172.9	122.0	71.0
77.5°	220.3	134.1	96.0	57.9
80°	143.8	109.8	79.5	49.2
82.5°	105.9	85.6	63.0	40.4
85°	59.2	51.3	37.9	24.6
87.5°	19.4	20.1	14.6	9.2
90°	13.4	8.2	5.2	2.2
92.5°	28.8	20.1	14.1	8.2
95°	58.0	46.1	32.7	23.0
97.5°	92.3	73.2	59.9	44.0
100°	110.8	92.2	79.5	62.4
102.5°	131.0	115.4	98.0	80.9
105°	167.3	147.9	127.9	108.5
107.5°	200.9	179.6	155.5	138.1
110°	222.3	199.2	174.0	158.3



TEST NUMBER: P1435949

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	243.1	219.5	193.6	178.0
115°	271.4	245.3	221.5	208.2
117.5°	298.6	271.8	246.7	236.1
120°	315.2	288.4	263.9	255.7
122.5°	328.9	302.7	280.0	276.6
125°	349.4	322.6	303.3	307.8
127.5°	366.1	341.5	329.3	339.3
130°	376.2	354.6	347.2	361.3
132.5°	385.1	368.3	365.0	384.5
135°	398.5	388.8	391.8	418.5
137.5°	414.4	410.7	420.6	454.4
140°	424.5	426.7	440.9	478.8
142.5°	438.2	443.4	461.7	502.0
145°	459.4	470.6	494.4	534.5
147.5°	483.5	497.9	527.4	568.6
150°	499.6	518.2	549.4	588.8
152.5°	518.0	537.2	568.4	608.4
155°	546.4	568.0	600.7	634.9
157.5°	575.4	597.4	628.6	658.5
160°	593.3	617.0	645.3	672.8
162.5°	613.5	635.5	660.2	684.7
165°	643.1	660.9	681.0	701.8
167.5°	667.9	682.8	698.5	714.7
170°	684.0	695.8	709.2	721.9
172.5°	697.6	707.1	717.0	727.8
175°	715.9	721.1	727.1	733.8
177.5°	730.0	731.8	733.6	736.6
180°	736.0	736.0	736.0	736.0



TEST NUMBER: P1435949
 CATALOG NUMBER: SQ2W-FB-K-050U-125D-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	15.70	16.85	16.43	17.60	18.51	25.29	26.44	26.03	27.20	28.11
	3H	16.66	17.69	17.40	18.46	19.40	26.92	27.96	27.67	28.72	29.67
	4H	17.07	18.04	17.83	18.82	19.78	27.11	28.09	27.88	28.87	29.82
	6H	17.34	18.24	18.12	19.03	19.99	27.20	28.10	27.98	28.89	29.86
	8H	17.44	18.30	18.23	19.11	20.07	27.23	28.09	28.02	28.90	29.86
	12H	17.50	18.32	18.29	19.12	20.11	27.22	28.04	28.01	28.84	29.83
4H	2H	20.45	21.43	21.22	22.21	23.16	25.70	26.67	26.46	27.45	28.40
	3H	21.61	22.42	22.39	23.24	24.21	27.61	28.42	28.39	29.24	30.21
	4H	21.90	22.64	22.70	23.46	24.45	27.85	28.58	28.64	29.40	30.40
	6H	22.06	22.70	22.87	23.53	24.54	27.99	28.63	28.81	29.47	30.48
	8H	22.10	22.70	22.92	23.53	24.55	28.05	28.64	28.87	29.48	30.49
	12H	22.12	22.66	22.96	23.51	24.53	28.04	28.58	28.88	29.44	30.46
8H	4H	23.12	23.72	23.94	24.55	25.57	27.96	28.56	28.78	29.39	30.41
	6H	23.39	23.89	24.24	24.76	25.78	28.17	28.67	29.02	29.54	30.56
	8H	23.49	23.93	24.35	24.80	25.84	28.27	28.71	29.13	29.58	30.61
	12H	23.55	23.94	24.41	24.80	25.89	28.29	28.67	29.15	29.53	30.62
12H	4H	23.16	23.70	24.00	24.55	25.58	27.93	28.47	28.77	29.32	30.34
	6H	23.50	23.94	24.36	24.81	25.85	28.16	28.60	29.02	29.47	30.50
	8H	23.66	24.04	24.52	24.90	25.99	28.27	28.66	29.13	29.52	30.61