

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: P1435952

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435952
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-L930-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, 90 CRI LEDS
Ballast/Driver: -

Summary

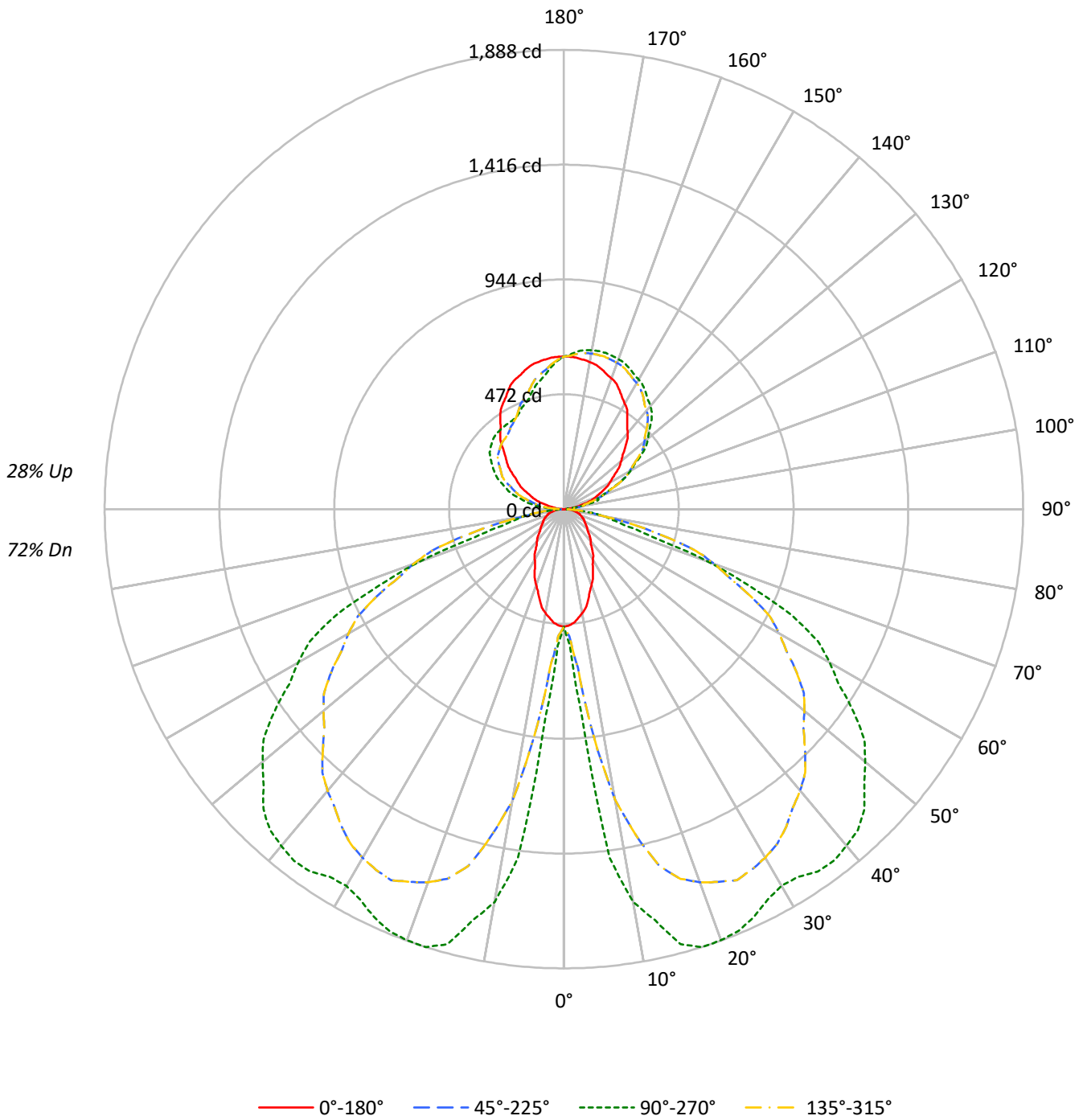
Lumens per Lamp: N/A
Luminaire Lumens: 6602.4 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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	41	41	41	35	
5	70	58	49	42	66	55	47	41	50	43	38	45	39	35	40	36	32	36	36	36	29	
6	65	51	43	36	61	49	41	35	45	38	33	40	35	30	36	32	28	36	36	36	25	
7	60	46	38	32	56	44	36	31	40	33	29	36	31	27	33	28	24	33	33	33	22	
8	55	42	34	28	52	40	32	27	36	30	25	33	27	23	30	25	22	30	30	30	19	
9	51	38	30	25	48	36	29	24	33	27	22	30	25	21	27	23	19	27	27	27	17	
10	48	35	27	22	45	33	26	21	30	24	20	28	22	19	25	21	17	25	25	25	15	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7800	7800	7800	7800
5°	7604	13817	7604	13817
10°	7122	26886	7122	26886
15°	6445	30945	6445	30945
20°	5708	32406	5708	32406
25°	5049	32937	5049	32937
30°	4459	33345	4459	33345
35°	3983	35847	3983	35847
40°	3623	38087	3623	38087
45°	3341	39883	3341	39883
50°	3150	40608	3150	40608
55°	3074	40931	3074	40931
60°	3152	40729	3152	40729
65°	3282	39579	3282	39579
70°	3399	29934	3399	29934
75°	3768	16519	3768	16519
80°	3887	15332	3887	15332
85°	3872	6447	3872	6447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 41300 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	1.2
10°-20°	369.3	5.6
20°-30°	649.9	9.8
30°-40°	841.3	12.7
40°-50°	927.9	14.1
50°-60°	866.0	13.1
60°-70°	669.0	10.1
70°-80°	308.4	4.7
80°-90°	61.5	0.9
90°-100°	49.8	0.8
100°-110°	145.3	2.2
110°-120°	237.1	3.6
120°-130°	300.9	4.6
130°-140°	322.0	4.9
140°-150°	300.7	4.6
150°-160°	247.4	3.7
160°-170°	165.9	2.5
170°-180°	58.9	0.9
0°-30°	1100.2	16.7
0°-40°	1941.5	29.4
0°-60°	3735.4	56.6
0°-90°	4774.4	72.3
90°-120°	432.3	6.5
90°-150°	1355.8	20.5
90°-180°	1828.0	27.7
0°-180°	6602.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	483	483	483	483	483	
5°	469	852	469	852	469	44
15°	386	1851	386	1851	386	107
25°	283	1849	283	1849	283	130
35°	202	1819	202	1819	202	127
45°	146	1747	146	1747	146	113
55°	109	1454	109	1454	109	98
65°	86	1036	86	1036	86	84
75°	60	265	60	265	60	62
85°	21	35	21	35	21	22
90°	2	14	2	27	2	3
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°	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1
2.5°	479.4	488.5	497.6	507.3	517.2	527.9	539.5	549.4	554.4	559.3	554.4
5°	469.2	500.2	531.1	576.1	625.6	681.9	744.8	798.8	825.6	852.5	825.6
7.5°	451.1	514.1	577.0	710.5	867.4	1030.3	1199.2	1339.3	1393.0	1446.6	1393.0
10°	434.4	522.1	609.9	836.2	1108.7	1318.3	1464.9	1582.1	1611.0	1639.9	1611.0
12.5°	415.8	534.9	654.0	933.5	1266.3	1484.1	1586.9	1671.5	1701.2	1730.9	1701.2
15°	385.6	555.9	726.3	1042.2	1406.6	1630.6	1714.2	1785.2	1818.2	1851.3	1818.2
17.5°	354.5	581.2	807.9	1130.1	1484.2	1702.7	1785.5	1852.0	1870.0	1888.0	1870.0
20°	332.2	598.5	864.9	1187.7	1529.4	1735.9	1807.1	1863.4	1874.8	1886.1	1874.8
22.5°	311.7	609.4	907.2	1230.5	1562.3	1755.1	1809.0	1852.5	1864.6	1876.8	1864.6
25°	283.4	618.9	954.4	1276.8	1594.7	1770.7	1804.8	1832.4	1840.7	1848.9	1840.7
27.5°	256.0	610.5	965.0	1283.3	1589.5	1753.7	1776.0	1794.7	1802.8	1810.9	1802.8
30°	239.2	599.5	959.8	1275.2	1575.6	1734.1	1750.6	1765.8	1777.2	1788.6	1777.2
32.5°	224.4	586.3	948.3	1259.7	1554.4	1709.5	1725.2	1743.1	1767.7	1792.3	1767.7
35°	202.1	558.2	914.4	1222.6	1514.7	1673.2	1698.0	1727.9	1773.3	1818.7	1773.3
37.5°	183.0	522.3	861.5	1166.5	1460.1	1632.8	1684.6	1734.5	1778.2	1822.0	1778.2
40°	171.9	497.1	822.3	1125.0	1420.3	1602.5	1671.6	1732.8	1770.0	1807.1	1770.0
42.5°	160.7	468.6	776.4	1076.7	1374.4	1563.7	1644.4	1714.2	1751.4	1788.6	1751.4
45°	146.3	423.0	699.7	997.3	1301.8	1501.6	1596.5	1676.5	1711.6	1746.7	1711.6
47.5°	132.9	373.2	613.5	912.4	1230.8	1440.3	1541.1	1623.1	1648.7	1674.3	1648.7
50°	125.4	340.2	554.9	854.8	1183.1	1396.8	1495.9	1575.4	1596.0	1616.7	1596.0
52.5°	118.0	308.0	497.9	798.4	1135.8	1351.1	1444.5	1519.2	1538.2	1557.2	1538.2
55°	109.2	264.0	418.9	716.2	1061.0	1274.2	1355.7	1421.0	1437.6	1454.1	1437.6
57.5°	101.3	226.2	351.1	639.1	981.4	1187.4	1256.9	1312.5	1325.9	1339.3	1325.9
60°	97.6	206.0	314.4	590.8	923.2	1120.9	1183.9	1234.4	1247.9	1261.3	1247.9
62.5°	92.0	186.3	280.7	542.4	860.0	1047.8	1105.8	1152.5	1165.1	1177.7	1165.1
65°	85.9	162.3	238.7	474.6	763.7	932.5	981.0	1019.4	1027.7	1036.0	1027.7
67.5°	77.6	142.4	207.2	412.5	664.6	805.8	835.9	854.6	839.1	823.7	839.1
70°	72.0	131.9	191.8	374.7	598.8	715.9	726.3	722.9	678.5	634.1	678.5
72.5°	68.3	121.6	174.8	333.2	526.7	612.1	589.4	551.3	467.3	383.3	467.3
75°	60.4	103.8	147.1	266.3	410.9	433.6	334.5	260.7	262.7	264.8	262.7
77.5°	49.2	81.7	114.1	187.4	274.3	291.5	239.1	200.2	202.1	203.9	202.1
80°	41.8	67.6	93.4	122.3	152.3	166.2	164.1	162.9	163.9	164.9	163.9
82.5°	34.4	53.6	72.8	90.1	106.8	116.2	118.3	119.5	118.0	116.6	118.0
85°	20.9	32.3	43.6	50.3	55.5	53.9	45.7	39.0	36.9	34.8	36.9
87.5°	7.8	12.4	17.2	16.3	13.3	11.8	11.8	11.9	12.1	12.1	12.1
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



TEST NUMBER: P1435952

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

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°	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1
2.5°	549.4	539.5	527.9	517.2	507.3	497.6	488.5	479.4	488.5	497.6	507.3
5°	798.8	744.8	681.9	625.6	576.1	531.1	500.2	469.2	500.2	531.1	576.1
7.5°	1339.3	1199.2	1030.3	867.4	710.5	577.0	514.1	451.1	514.1	577.0	710.5
10°	1582.1	1464.9	1318.3	1108.7	836.2	609.9	522.1	434.4	522.1	609.9	836.2
12.5°	1671.5	1586.9	1484.1	1266.3	933.5	654.0	534.9	415.8	534.9	654.0	933.5
15°	1785.2	1714.2	1630.6	1406.6	1042.2	726.3	555.9	385.6	555.9	726.3	1042.2
17.5°	1852.0	1785.5	1702.7	1484.2	1130.1	807.9	581.2	354.5	581.2	807.9	1130.1
20°	1863.4	1807.1	1735.9	1529.4	1187.7	864.9	598.5	332.2	598.5	864.9	1187.7
22.5°	1852.5	1809.0	1755.1	1562.3	1230.5	907.2	609.4	311.7	609.4	907.2	1230.5
25°	1832.4	1804.8	1770.7	1594.7	1276.8	954.4	618.9	283.4	618.9	954.4	1276.8
27.5°	1794.7	1776.0	1753.7	1589.5	1283.3	965.0	610.5	256.0	610.5	965.0	1283.3
30°	1765.8	1750.6	1734.1	1575.6	1275.2	959.8	599.5	239.2	599.5	959.8	1275.2
32.5°	1743.1	1725.2	1709.5	1554.4	1259.7	948.3	586.3	224.4	586.3	948.3	1259.7
35°	1727.9	1698.0	1673.2	1514.7	1222.6	914.4	558.2	202.1	558.2	914.4	1222.6
37.5°	1734.5	1684.6	1632.8	1460.1	1166.5	861.5	522.3	183.0	522.3	861.5	1166.5
40°	1732.8	1671.6	1602.5	1420.3	1125.0	822.3	497.1	171.9	497.1	822.3	1125.0
42.5°	1714.2	1644.4	1563.7	1374.4	1076.7	776.4	468.6	160.7	468.6	776.4	1076.7
45°	1676.5	1596.5	1501.6	1301.8	997.3	699.7	423.0	146.3	423.0	699.7	997.3
47.5°	1623.1	1541.1	1440.3	1230.8	912.4	613.5	373.2	132.9	373.2	613.5	912.4
50°	1575.4	1495.9	1396.8	1183.1	854.8	554.9	340.2	125.4	340.2	554.9	854.8
52.5°	1519.2	1444.5	1351.1	1135.8	798.4	497.9	308.0	118.0	308.0	497.9	798.4
55°	1421.0	1355.7	1274.2	1061.0	716.2	418.9	264.0	109.2	264.0	418.9	716.2
57.5°	1312.5	1256.9	1187.4	981.4	639.1	351.1	226.2	101.3	226.2	351.1	639.1
60°	1234.4	1183.9	1120.9	923.2	590.8	314.4	206.0	97.6	206.0	314.4	590.8
62.5°	1152.5	1105.8	1047.8	860.0	542.4	280.7	186.3	92.0	186.3	280.7	542.4
65°	1019.4	981.0	932.5	763.7	474.6	238.7	162.3	85.9	162.3	238.7	474.6
67.5°	854.6	835.9	805.8	664.6	412.5	207.2	142.4	77.6	142.4	207.2	412.5
70°	722.9	726.3	715.9	598.8	374.7	191.8	131.9	72.0	131.9	191.8	374.7
72.5°	551.3	589.4	612.1	526.7	333.2	174.8	121.6	68.3	121.6	174.8	333.2
75°	260.7	334.5	433.6	410.9	266.3	147.1	103.8	60.4	103.8	147.1	266.3
77.5°	200.2	239.1	291.5	274.3	187.4	114.1	81.7	49.2	81.7	114.1	187.4
80°	162.9	164.1	166.2	152.3	122.3	93.4	67.6	41.8	67.6	93.4	122.3
82.5°	119.5	118.3	116.2	106.8	90.1	72.8	53.6	34.4	53.6	72.8	90.1
85°	39.0	45.7	53.9	55.5	50.3	43.6	32.3	20.9	32.3	43.6	50.3
87.5°	11.9	11.8	11.8	13.3	16.3	17.2	12.4	7.8	12.4	17.1	16.5
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: P1435952

CATALOG NUMBER: SQ2W-FB-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: P1435952

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1
2.5°	517.2	527.9	539.5	549.4	554.4	559.3	554.4	549.4	539.5	527.9	517.2
5°	625.6	681.9	744.8	798.8	825.6	852.5	825.6	798.8	744.8	681.9	625.6
7.5°	867.4	1030.3	1199.2	1339.3	1393.0	1446.6	1393.0	1339.3	1199.2	1030.3	867.4
10°	1108.7	1318.3	1464.9	1582.1	1611.0	1639.9	1611.0	1582.1	1464.9	1318.3	1108.7
12.5°	1266.3	1484.1	1586.9	1671.5	1701.2	1730.9	1701.2	1671.5	1586.9	1484.1	1266.3
15°	1406.6	1630.6	1714.2	1785.2	1818.2	1851.3	1818.2	1785.2	1714.2	1630.6	1406.6
17.5°	1484.2	1702.7	1785.5	1852.0	1870.0	1888.0	1870.0	1852.0	1785.5	1702.7	1484.2
20°	1529.4	1735.9	1807.1	1863.4	1874.8	1886.1	1874.8	1863.4	1807.1	1735.9	1529.4
22.5°	1562.3	1755.1	1809.0	1852.5	1864.6	1876.8	1864.6	1852.5	1809.0	1755.1	1562.3
25°	1594.7	1770.7	1804.8	1832.4	1840.7	1848.9	1840.7	1832.4	1804.8	1770.7	1594.7
27.5°	1589.5	1753.7	1776.0	1794.7	1802.8	1810.9	1802.8	1794.7	1776.0	1753.7	1589.5
30°	1575.6	1734.1	1750.6	1765.8	1777.2	1788.6	1777.2	1765.8	1750.6	1734.1	1575.6
32.5°	1554.4	1709.5	1725.2	1743.1	1767.7	1792.3	1767.7	1743.1	1725.2	1709.5	1554.4
35°	1514.7	1673.2	1698.0	1727.9	1773.3	1818.7	1773.3	1727.9	1698.0	1673.2	1514.7
37.5°	1460.1	1632.8	1684.6	1734.5	1778.2	1822.0	1778.2	1734.5	1684.6	1632.8	1460.1
40°	1420.3	1602.5	1671.6	1732.8	1770.0	1807.1	1770.0	1732.8	1671.6	1602.5	1420.3
42.5°	1374.4	1563.7	1644.4	1714.2	1751.4	1788.6	1751.4	1714.2	1644.4	1563.7	1374.4
45°	1301.8	1501.6	1596.5	1676.5	1711.6	1746.7	1711.6	1676.5	1596.5	1501.6	1301.8
47.5°	1230.8	1440.3	1541.1	1623.1	1648.7	1674.3	1648.7	1623.1	1541.1	1440.3	1230.8
50°	1183.1	1396.8	1495.9	1575.4	1596.0	1616.7	1596.0	1575.4	1495.9	1396.8	1183.1
52.5°	1135.8	1351.1	1444.5	1519.2	1538.2	1557.2	1538.2	1519.2	1444.5	1351.1	1135.8
55°	1061.0	1274.2	1355.7	1421.0	1437.6	1454.1	1437.6	1421.0	1355.7	1274.2	1061.0
57.5°	981.4	1187.4	1256.9	1312.5	1325.9	1339.3	1325.9	1312.5	1256.9	1187.4	981.4
60°	923.2	1120.9	1183.9	1234.4	1247.9	1261.3	1247.9	1234.4	1183.9	1120.9	923.2
62.5°	860.0	1047.8	1105.8	1152.5	1165.1	1177.7	1165.1	1152.5	1105.8	1047.8	860.0
65°	763.7	932.5	981.0	1019.4	1027.7	1036.0	1027.7	1019.4	981.0	932.5	763.7
67.5°	664.6	805.8	835.9	854.6	839.1	823.7	839.1	854.6	835.9	805.8	664.6
70°	598.8	715.9	726.3	722.9	678.5	634.1	678.5	722.9	726.3	715.9	598.8
72.5°	526.7	612.1	589.4	551.3	467.3	383.3	467.3	551.3	589.4	612.1	526.7
75°	410.9	433.6	334.5	260.7	262.7	264.8	262.7	260.7	334.5	433.6	410.9
77.5°	274.3	291.5	239.1	200.2	202.1	203.9	202.1	200.2	239.1	291.5	274.3
80°	152.3	166.2	164.1	162.9	163.9	164.9	163.9	162.9	164.1	166.2	152.3
82.5°	106.8	116.2	118.3	119.5	118.0	116.6	118.0	119.5	118.3	116.2	106.8
85°	55.5	53.9	45.7	39.0	36.9	34.8	36.9	39.0	45.7	53.9	55.5
87.5°	13.9	13.1	14.0	14.5	15.0	14.7	15.0	14.5	14.0	13.1	13.9
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: P1435952

CATALOG NUMBER: SQ2W-FB-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: P1435952

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	483.1	483.1	483.1	483.1
2.5°	507.3	497.6	488.5	479.4
5°	576.1	531.1	500.2	469.2
7.5°	710.5	577.0	514.1	451.1
10°	836.2	609.9	522.1	434.4
12.5°	933.5	654.0	534.9	415.8
15°	1042.2	726.3	555.9	385.6
17.5°	1130.1	807.9	581.2	354.5
20°	1187.7	864.9	598.5	332.2
22.5°	1230.5	907.2	609.4	311.7
25°	1276.8	954.4	618.9	283.4
27.5°	1283.3	965.0	610.5	256.0
30°	1275.2	959.8	599.5	239.2
32.5°	1259.7	948.3	586.3	224.4
35°	1222.6	914.4	558.2	202.1
37.5°	1166.5	861.5	522.3	183.0
40°	1125.0	822.3	497.1	171.9
42.5°	1076.7	776.4	468.6	160.7
45°	997.3	699.7	423.0	146.3
47.5°	912.4	613.5	373.2	132.9
50°	854.8	554.9	340.2	125.4
52.5°	798.4	497.9	308.0	118.0
55°	716.2	418.9	264.0	109.2
57.5°	639.1	351.1	226.2	101.3
60°	590.8	314.4	206.0	97.6
62.5°	542.4	280.7	186.3	92.0
65°	474.6	238.7	162.3	85.9
67.5°	412.5	207.2	142.4	77.6
70°	374.7	191.8	131.9	72.0
72.5°	333.2	174.8	121.6	68.3
75°	266.3	147.1	103.8	60.4
77.5°	187.4	114.1	81.7	49.2
80°	122.3	93.4	67.6	41.8
82.5°	90.1	72.8	53.6	34.4
85°	50.3	43.6	32.3	20.9
87.5°	16.5	17.1	12.4	7.8
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: P1435952

CATALOG NUMBER: SQ2W-FB-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: P1435952
 CATALOG NUMBER: SQ2W-FB-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	15.14	16.28	15.87	17.04	17.95	24.73	25.88	25.46	26.64	27.55
	3H	16.10	17.13	16.84	17.90	18.84	26.36	27.39	27.11	28.16	29.10
	4H	16.51	17.48	17.27	18.26	19.21	26.55	27.53	27.31	28.30	29.26
	6H	16.78	17.68	17.56	18.47	19.43	26.64	27.54	27.42	28.33	29.30
	8H	16.88	17.74	17.67	18.54	19.51	26.67	27.53	27.46	28.33	29.30
	12H	16.94	17.76	17.73	18.56	19.55	26.66	27.47	27.45	28.27	29.27
4H	2H	19.89	20.87	20.66	21.64	22.60	25.13	26.11	25.90	26.89	27.84
	3H	21.05	21.86	21.83	22.67	23.64	27.05	27.86	27.83	28.68	29.65
	4H	21.34	22.08	22.14	22.89	23.89	27.28	28.02	28.08	28.84	29.83
	6H	21.49	22.13	22.31	22.97	23.98	27.43	28.07	28.25	28.91	29.91
	8H	21.54	22.14	22.36	22.97	23.99	27.48	28.08	28.30	28.92	29.93
	12H	21.56	22.10	22.40	22.95	23.97	27.48	28.02	28.32	28.87	29.90
8H	4H	22.56	23.16	23.38	23.99	25.01	27.40	28.00	28.22	28.83	29.85
	6H	22.83	23.33	23.68	24.20	25.22	27.61	28.10	28.46	28.98	30.00
	8H	22.93	23.37	23.79	24.24	25.28	27.70	28.14	28.56	29.01	30.05
	12H	22.99	23.37	23.85	24.24	25.33	27.72	28.11	28.59	28.97	30.06
12H	4H	22.60	23.14	23.44	23.99	25.01	27.37	27.90	28.20	28.76	29.78
	6H	22.94	23.38	23.80	24.25	25.29	27.60	28.04	28.45	28.91	29.94
	8H	23.09	23.48	23.96	24.34	25.43	27.71	28.10	28.57	28.96	30.05