

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: P1435928

Luminaire Tested: SQ2W-FB-K-025U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435928
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-025U-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 250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

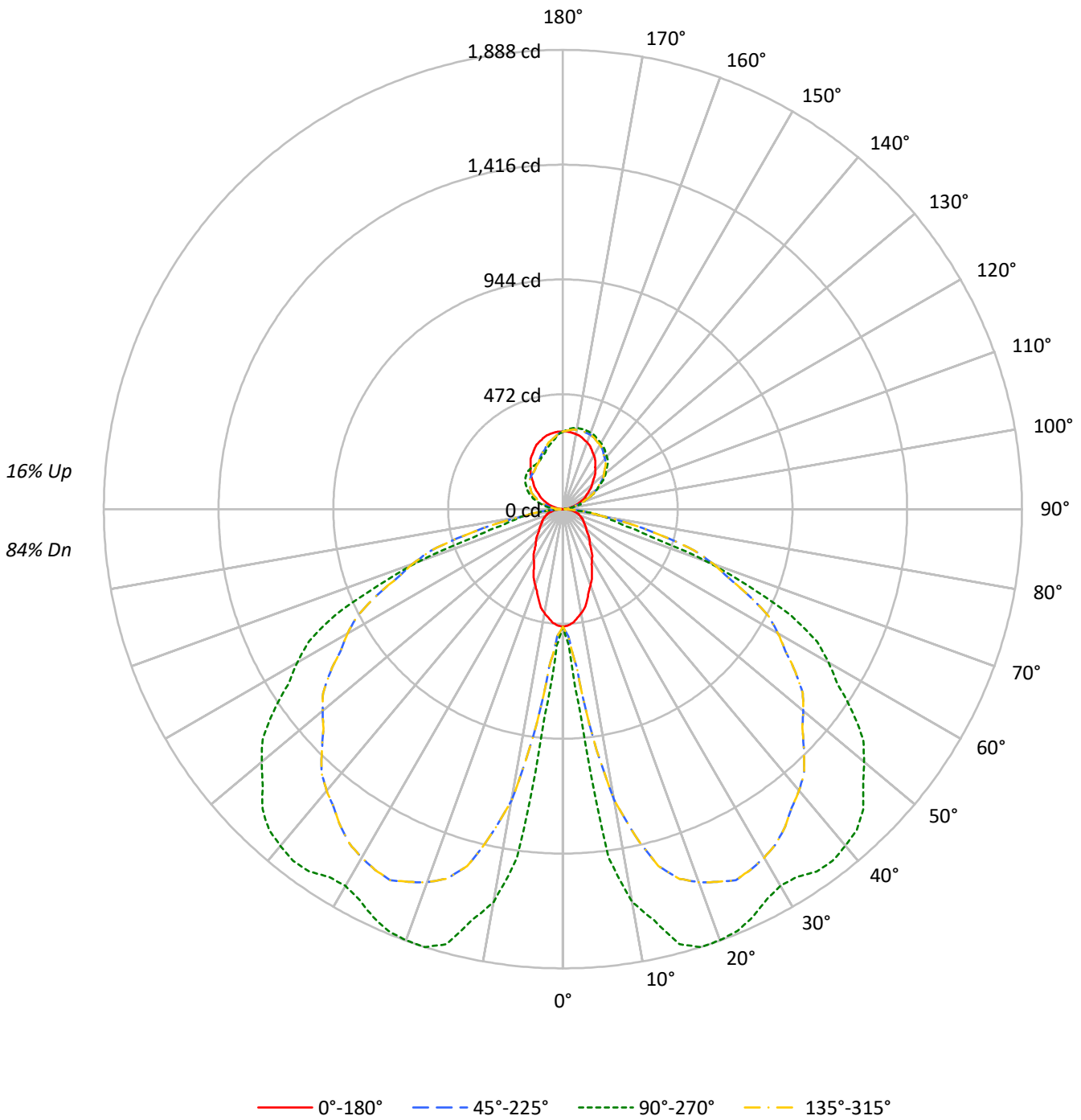
Lumens per Lamp: N/A
Luminaire Lumens: 5704.1 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 56.7
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

TEST NUMBER: P1435928

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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	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84				
1	105	100	96	92	101	97	93	89	89	86	84	83	80	78	77	75	73	70				
2	95	87	80	75	91	84	78	72	78	73	68	72	68	64	67	63	61	58				
3	86	76	68	61	82	73	66	60	68	62	57	63	58	54	58	54	51	48				
4	79	67	58	51	75	64	56	50	60	53	47	55	50	45	51	47	43	40				
5	72	59	50	43	69	57	49	42	53	46	40	49	43	39	46	41	37	34				
6	66	53	44	37	63	51	43	36	47	40	35	44	38	33	41	36	32	29				
7	61	47	39	32	58	46	38	32	43	36	30	40	34	29	37	32	28	26				
8	56	43	34	29	54	42	34	28	39	32	27	36	30	26	34	29	25	22				
9	53	39	31	25	50	38	30	25	35	29	24	33	27	23	31	26	22	20				
10	49	36	28	23	47	35	27	22	33	26	21	31	25	20	29	23	20	18				

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	1.4
10°-20°	369.3	6.5
20°-30°	649.9	11.4
30°-40°	841.3	14.7
40°-50°	927.9	16.3
50°-60°	866.0	15.2
60°-70°	669.0	11.7
70°-80°	308.4	5.4
80°-90°	60.3	1.1
90°-100°	25.4	0.4
100°-110°	74.0	1.3
110°-120°	120.8	2.1
120°-130°	153.3	2.7
130°-140°	164.0	2.9
140°-150°	153.1	2.7
150°-160°	126.0	2.2
160°-170°	84.5	1.5
170°-180°	30.0	0.5
0°-30°	1100.2	19.3
0°-40°	1941.5	34.0
0°-60°	3735.4	65.5
0°-90°	4773.1	83.7
90°-120°	220.2	3.9
90°-150°	690.5	12.1
90°-180°	931.0	16.3
0°-180°	5704.1	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°	1	7	1	14	1	2
95°	10	7	10	44	10	12
105°	47	75	47	104	47	50
115°	90	125	90	154	90	89
125°	133	198	133	189	133	119
135°	181	259	181	209	181	140
145°	232	299	232	214	232	145
155°	275	325	275	222	275	126
165°	304	338	304	255	304	86
175°	318	331	318	299	318	30
180°	319	319	319	319	319	



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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°	7.6	12.0	16.5	15.3	12.2	10.6	10.6	10.6	10.7	10.7	10.7
90°	1.0	2.3	3.9	5.2	6.1	6.4	6.4	6.8	7.1	7.1	7.1
92.5°	3.5	5.6	5.7	5.7	6.9	7.5	8.0	8.1	8.4	8.4	8.4
95°	10.0	11.0	16.4	16.1	11.0	8.7	7.4	7.4	7.4	7.4	7.4
97.5°	19.1	20.5	21.4	28.7	30.3	29.2	23.8	20.0	17.9	16.9	17.9
100°	27.1	27.7	29.6	30.0	38.0	45.7	41.9	37.0	35.4	34.5	35.4
102.5°	35.0	35.4	38.4	39.7	41.6	46.0	59.4	57.9	56.8	56.6	56.8
105°	47.0	47.3	52.8	55.4	56.7	56.7	56.4	62.8	73.1	75.4	73.1
107.5°	59.8	61.3	67.8	74.7	76.1	76.5	74.9	73.9	73.5	73.8	73.5
110°	68.6	70.9	78.6	87.3	89.5	90.2	89.5	88.6	87.9	87.9	87.9



TEST NUMBER: P1435928

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	77.1	80.4	89.2	99.1	102.9	104.9	103.5	102.7	102.1	102.6	102.1
115°	90.2	95.0	106.6	116.9	124.6	125.6	125.3	125.3	125.0	125.0	125.0
117.5°	102.3	110.0	123.0	135.0	144.0	146.5	147.8	147.5	147.1	147.7	147.1
120°	110.8	119.8	134.6	148.2	156.9	160.7	162.0	161.4	162.0	161.4	162.0
122.5°	119.8	130.9	145.5	159.5	169.7	174.1	175.7	175.8	175.9	175.5	175.9
125°	133.3	146.9	163.9	178.4	189.1	194.2	195.5	195.8	196.5	198.1	196.5
127.5°	147.0	162.3	181.1	195.1	205.9	212.2	214.2	214.9	216.2	217.0	216.2
130°	156.5	173.9	192.9	206.1	216.8	223.5	227.1	228.0	229.6	229.3	229.6
132.5°	166.6	184.7	204.0	217.7	227.6	234.9	237.9	240.7	241.2	241.7	241.2
135°	181.3	201.0	220.3	233.8	243.2	250.3	254.1	256.7	258.3	259.3	258.3
137.5°	196.9	217.6	236.2	248.2	257.6	263.7	268.1	270.8	272.5	273.3	272.5
140°	207.4	227.4	245.4	258.0	266.4	272.5	276.3	279.6	281.5	281.5	281.5
142.5°	217.5	237.2	254.7	267.3	274.6	280.2	284.3	286.8	289.0	289.0	289.0
145°	231.6	251.2	267.3	279.9	286.0	291.2	295.7	297.6	298.9	298.9	298.9
147.5°	246.3	263.7	278.4	290.5	295.6	301.7	305.2	306.8	308.4	307.7	308.4
150°	255.1	271.2	285.4	296.6	301.8	307.6	311.1	312.4	314.0	313.1	314.0
152.5°	263.6	278.9	291.8	302.3	306.7	312.5	316.5	317.8	318.9	318.2	318.9
155°	275.1	288.6	300.5	310.2	314.0	319.5	323.4	325.0	326.3	324.7	326.3
157.5°	285.3	297.0	307.3	316.2	320.3	325.0	328.7	330.7	331.9	331.2	331.9
160°	291.5	302.1	311.5	319.8	323.7	327.9	331.7	334.0	335.3	334.3	335.3
162.5°	296.6	306.2	315.1	322.7	326.0	329.7	334.3	336.3	337.6	336.4	337.6
165°	304.0	311.8	319.5	326.0	328.8	331.7	336.6	338.8	339.8	338.5	339.8
167.5°	309.7	315.6	321.8	327.4	329.5	332.3	337.2	339.0	340.3	338.6	340.3
170°	312.7	317.9	323.4	327.9	329.5	332.1	336.9	338.5	339.5	337.9	339.5
172.5°	315.3	319.2	323.6	327.6	328.5	330.5	335.1	336.7	337.4	336.1	337.4
175°	317.9	320.2	323.4	326.0	325.6	326.9	330.8	332.1	333.4	331.4	333.4
177.5°	319.1	320.2	321.2	322.7	321.7	321.7	324.5	325.3	325.6	324.5	325.6
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



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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°	10.6	10.6	10.6	12.2	15.3	16.5	12.0	7.6	12.0	16.4	15.4
90°	6.8	6.4	6.4	6.1	5.2	3.9	2.3	1.0	2.3	3.5	5.8
92.5°	8.1	8.0	7.5	6.9	5.7	5.7	5.6	3.5	6.1	8.7	12.5
95°	7.4	7.4	8.7	11.0	16.1	16.4	11.0	10.0	14.2	20.0	25.1
97.5°	20.0	23.8	29.2	30.3	28.7	21.4	20.5	19.1	26.0	31.7	40.0
100°	37.0	41.9	45.7	38.0	30.0	29.6	27.7	27.1	34.5	39.9	48.0
102.5°	57.9	59.4	46.0	41.6	39.7	38.4	35.4	35.0	42.5	50.0	56.8
105°	62.8	56.4	56.7	56.7	55.4	52.8	47.3	47.0	55.4	64.1	72.5
107.5°	73.9	74.9	76.5	76.1	74.7	67.8	61.3	59.8	67.4	77.8	87.0
110°	88.6	89.5	90.2	89.5	87.3	78.6	70.9	68.6	75.4	86.3	96.3



TEST NUMBER: P1435928

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	102.7	103.5	104.9	102.9	99.1	89.2	80.4	77.1	83.9	95.1	105.3
115°	125.3	125.3	125.6	124.6	116.9	106.6	95.0	90.2	96.0	106.3	117.6
117.5°	147.5	147.8	146.5	144.0	135.0	123.0	110.0	102.3	106.9	117.8	129.3
120°	161.4	162.0	160.7	156.9	148.2	134.6	119.8	110.8	114.3	125.0	136.6
122.5°	175.8	175.7	174.1	169.7	159.5	145.5	130.9	119.8	121.3	131.2	142.5
125°	195.8	195.5	194.2	189.1	178.4	163.9	146.9	133.3	131.4	139.8	151.4
127.5°	214.9	214.2	212.2	205.9	195.1	181.1	162.3	147.0	142.7	148.0	158.6
130°	228.0	227.1	223.5	216.8	206.1	192.9	173.9	156.5	150.4	153.6	163.0
132.5°	240.7	237.9	234.9	227.6	217.7	204.0	184.7	166.6	158.1	159.6	166.8
135°	256.7	254.1	250.3	243.2	233.8	220.3	201.0	181.3	169.7	168.5	172.6
137.5°	270.8	268.1	263.7	257.6	248.2	236.2	217.6	196.9	182.2	177.9	179.5
140°	279.6	276.3	272.5	266.4	258.0	245.4	227.4	207.4	191.0	184.9	183.9
142.5°	286.8	284.3	280.2	274.6	267.3	254.7	237.2	217.5	200.0	192.1	189.8
145°	297.6	295.7	291.2	286.0	279.9	267.3	251.2	231.6	214.2	203.9	199.0
147.5°	306.8	305.2	301.7	295.6	290.5	278.4	263.7	246.3	228.5	215.7	209.5
150°	312.4	311.1	307.6	301.8	296.6	285.4	271.2	255.1	238.0	224.5	216.4
152.5°	317.8	316.5	312.5	306.7	302.3	291.8	278.9	263.6	246.3	232.7	224.4
155°	325.0	323.4	319.5	314.0	310.2	300.5	288.6	275.1	260.2	246.1	236.7
157.5°	330.7	328.7	325.0	320.3	316.2	307.3	297.0	285.3	272.4	258.8	249.3
160°	334.0	331.7	327.9	323.7	319.8	311.5	302.1	291.5	279.6	267.3	257.0
162.5°	336.3	334.3	329.7	326.0	322.7	315.1	306.2	296.6	286.0	275.3	265.8
165°	338.8	336.6	331.7	328.8	326.0	319.5	311.8	304.0	295.0	286.3	278.6
167.5°	339.0	337.2	332.3	329.5	327.4	321.8	315.6	309.7	302.6	295.8	289.4
170°	338.5	336.9	332.1	329.5	327.9	323.4	317.9	312.7	307.3	301.5	296.3
172.5°	336.7	335.1	330.5	328.5	327.6	323.6	319.2	315.3	310.6	306.4	302.2
175°	332.1	330.8	326.9	325.6	326.0	323.4	320.2	317.9	315.0	312.4	310.2
177.5°	325.3	324.5	321.7	321.7	322.7	321.2	320.2	319.1	317.8	317.1	316.3
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1435928

CATALOG NUMBER: SQ2W-FB-K-025U-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°	12.4	11.2	11.7	11.9	12.2	12.1	12.2	11.9	11.7	11.2	12.4
90°	7.4	9.7	11.9	13.2	14.5	13.8	14.5	13.2	11.9	9.7	7.4
92.5°	14.9	18.7	21.5	23.8	24.8	24.7	24.8	23.8	21.5	18.7	14.9
95°	30.0	34.5	39.0	42.2	44.1	43.5	44.1	42.2	39.0	34.5	30.0
97.5°	46.2	52.2	57.3	60.3	62.2	63.5	62.2	60.3	57.3	52.2	46.2
100°	57.0	62.8	68.6	72.1	75.4	76.7	75.4	72.1	68.6	62.8	57.0
102.5°	65.8	73.4	79.7	83.5	86.2	87.5	86.2	83.5	79.7	73.4	65.8
105°	80.2	88.3	95.0	99.8	102.7	103.7	102.7	99.8	95.0	88.3	80.2
107.5°	94.6	102.9	109.2	114.5	118.1	120.1	118.1	114.5	109.2	102.9	94.6
110°	106.0	112.7	119.5	124.3	127.9	129.2	127.9	124.3	119.5	112.7	106.0



TEST NUMBER: P1435928

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	115.5	123.0	129.8	134.6	138.7	140.5	138.7	134.6	129.8	123.0	115.5
115°	128.8	138.8	144.9	149.4	152.3	154.0	152.3	149.4	144.9	138.8	128.8
117.5°	139.9	150.3	157.0	160.5	161.9	163.0	161.9	160.5	157.0	150.3	139.9
120°	146.9	156.5	164.3	168.8	170.4	171.0	170.4	168.8	164.3	156.5	146.9
122.5°	153.3	162.5	169.9	175.5	178.1	178.8	178.1	175.5	169.9	162.5	153.3
125°	162.3	171.0	178.8	184.2	187.1	188.7	187.1	184.2	178.8	171.0	162.3
127.5°	170.2	179.6	186.7	191.6	194.5	195.8	194.5	191.6	186.7	179.6	170.2
130°	174.6	184.2	191.3	196.8	199.4	200.7	199.4	196.8	191.3	184.2	174.6
132.5°	177.9	188.1	195.4	200.4	203.2	204.5	203.2	200.4	195.4	188.1	177.9
135°	182.0	192.6	200.3	205.2	207.7	209.0	207.7	205.2	200.3	192.6	182.0
137.5°	185.5	195.2	203.2	208.3	210.6	211.5	210.6	208.3	203.2	195.2	185.5
140°	188.1	196.5	204.5	209.4	211.9	212.3	211.9	209.4	204.5	196.5	188.1
142.5°	191.4	198.0	205.0	209.9	212.4	213.0	212.4	209.9	205.0	198.0	191.4
145°	197.4	201.3	206.1	210.6	212.9	213.5	212.9	210.6	206.1	201.3	197.4
147.5°	205.0	206.2	208.7	211.7	213.9	214.3	213.9	211.7	208.7	206.2	205.0
150°	210.6	210.3	211.3	213.2	215.2	214.8	215.2	213.2	211.3	210.3	210.6
152.5°	217.1	215.2	215.2	216.1	217.0	216.9	217.0	216.1	215.2	215.2	217.1
155°	228.0	224.5	222.6	221.9	221.9	221.6	221.9	221.9	222.6	224.5	228.0
157.5°	240.1	235.1	232.2	230.7	230.2	229.5	230.2	230.7	232.2	235.1	240.1
160°	248.3	242.9	240.0	237.4	236.4	235.4	236.4	237.4	240.0	242.9	248.3
162.5°	256.1	250.8	247.7	245.4	244.4	242.9	244.4	245.4	247.7	250.8	256.1
165°	268.6	263.1	259.6	257.7	256.4	255.1	256.4	257.7	259.6	263.1	268.6
167.5°	281.2	275.2	272.9	270.7	269.5	267.1	269.5	270.7	272.9	275.2	281.2
170°	288.9	283.4	282.1	280.2	278.0	275.4	278.0	280.2	282.1	283.4	288.9
172.5°	295.6	291.9	290.6	288.7	288.0	285.9	288.0	288.7	290.6	291.9	295.6
175°	305.3	302.4	302.4	302.1	301.1	299.2	301.1	302.1	302.4	302.4	305.3
177.5°	313.5	311.9	312.9	312.9	312.7	310.9	312.7	312.9	312.9	311.9	313.5
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1435928

CATALOG NUMBER: SQ2W-FB-K-025U-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°	15.4	16.4	12.0	7.6
90°	5.8	3.5	2.3	1.0
92.5°	12.5	8.7	6.1	3.5
95°	25.1	20.0	14.2	10.0
97.5°	40.0	31.7	26.0	19.1
100°	48.0	39.9	34.5	27.1
102.5°	56.8	50.0	42.5	35.0
105°	72.5	64.1	55.4	47.0
107.5°	87.0	77.8	67.4	59.8
110°	96.3	86.3	75.4	68.6



TEST NUMBER: P1435928

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	105.3	95.1	83.9	77.1
115°	117.6	106.3	96.0	90.2
117.5°	129.3	117.8	106.9	102.3
120°	136.6	125.0	114.3	110.8
122.5°	142.5	131.2	121.3	119.8
125°	151.4	139.8	131.4	133.3
127.5°	158.6	148.0	142.7	147.0
130°	163.0	153.6	150.4	156.5
132.5°	166.8	159.6	158.1	166.6
135°	172.6	168.5	169.7	181.3
137.5°	179.5	177.9	182.2	196.9
140°	183.9	184.9	191.0	207.4
142.5°	189.8	192.1	200.0	217.5
145°	199.0	203.9	214.2	231.6
147.5°	209.5	215.7	228.5	246.3
150°	216.4	224.5	238.0	255.1
152.5°	224.4	232.7	246.3	263.6
155°	236.7	246.1	260.2	275.1
157.5°	249.3	258.8	272.4	285.3
160°	257.0	267.3	279.6	291.5
162.5°	265.8	275.3	286.0	296.6
165°	278.6	286.3	295.0	304.0
167.5°	289.4	295.8	302.6	309.7
170°	296.3	301.5	307.3	312.7
172.5°	302.2	306.4	310.6	315.3
175°	310.2	312.4	315.0	317.9
177.5°	316.3	317.1	317.8	319.1
180°	318.9	318.9	318.9	318.9



TEST NUMBER: P1435928
 CATALOG NUMBER: SQ2W-FB-K-025U-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	15.95	17.28	16.55	17.89	18.58	25.55	26.88	26.15	27.49	28.18
	3H	16.93	18.13	17.54	18.75	19.47	27.19	28.39	27.80	29.01	29.74
	4H	17.35	18.48	17.98	19.11	19.85	27.39	28.52	28.02	29.15	29.89
	6H	17.63	18.67	18.27	19.32	20.07	27.49	28.54	28.14	29.18	29.93
	8H	17.73	18.73	18.39	19.40	20.15	27.52	28.52	28.18	29.19	29.94
	12H	17.80	18.75	18.46	19.41	20.20	27.52	28.47	28.18	29.13	29.92
4H	2H	20.73	21.86	21.36	22.49	23.23	25.97	27.10	26.61	27.74	28.48
	3H	21.90	22.85	22.55	23.52	24.28	27.90	28.85	28.55	29.52	30.28
	4H	22.21	23.06	22.87	23.74	24.53	28.15	29.00	28.81	29.68	30.47
	6H	22.37	23.11	23.05	23.82	24.62	28.31	29.05	28.99	29.75	30.55
	8H	22.42	23.11	23.11	23.82	24.63	28.36	29.06	29.06	29.76	30.57
	12H	22.45	23.07	23.16	23.80	24.61	28.37	28.99	29.08	29.72	30.54
8H	4H	23.44	24.13	24.13	24.83	25.65	28.28	28.97	28.97	29.67	30.49
	6H	23.72	24.29	24.44	25.04	25.85	28.50	29.07	29.22	29.82	30.63
	8H	23.82	24.34	24.56	25.08	25.91	28.60	29.11	29.33	29.85	30.68
	12H	23.89	24.34	24.63	25.07	25.97	28.62	29.07	29.36	29.81	30.70
12H	4H	23.49	24.11	24.20	24.84	25.65	28.25	28.88	28.97	29.60	30.42
	6H	23.83	24.34	24.57	25.09	25.92	28.49	29.00	29.22	29.75	30.58
	8H	23.99	24.44	24.73	25.18	26.07	28.61	29.06	29.35	29.80	30.69