

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1435777

Luminaire Tested: SQ2W-FA-K-050U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2024
Report Number: P1435777
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FA-K-050U-100D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

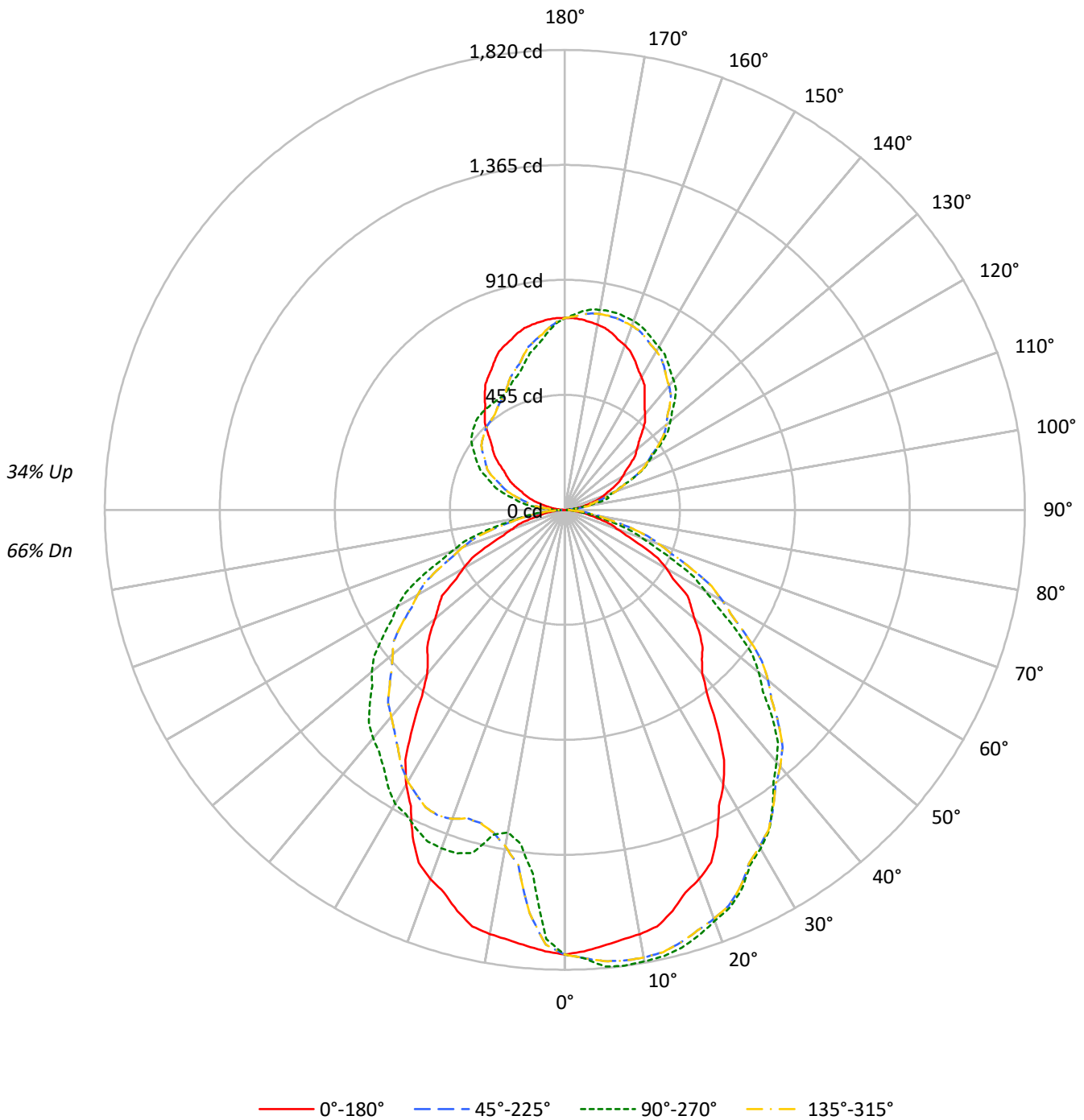
Lumens per Lamp: N/A
Luminaire Lumens: 6587.7 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 52.5
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: P1435777

CATALOG NUMBER: SQ2W-FA-K-050U-100D-L840-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	111	111	111	111	105	105	105	105	92	92	92	81	81	81	71	71	71	66				
1	102	97	93	90	96	92	88	85	81	79	76	72	70	68	63	62	60	56				
2	93	85	79	74	87	80	75	70	71	67	63	63	60	57	56	53	51	47				
3	85	75	67	61	79	71	64	59	63	58	53	56	52	48	49	46	43	40				
4	77	66	58	52	73	63	55	50	56	50	46	50	45	41	44	40	37	34				
5	71	59	51	45	67	56	48	43	50	44	39	45	40	36	40	36	33	30				
6	66	53	45	39	62	50	43	37	45	39	34	41	35	32	36	32	29	26				
7	61	48	40	34	57	46	38	33	41	35	30	37	32	28	33	29	26	23				
8	56	44	36	30	53	42	34	29	38	31	27	34	29	25	30	26	23	21				
9	53	40	32	27	49	38	31	26	34	28	24	31	26	22	28	24	21	19				
10	49	37	29	24	46	35	28	24	32	26	22	29	24	20	26	22	19	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	28408	28408	28408	28408
5°	28074	29402	28074	23432
10°	27951	29741	27951	21244
15°	27473	29980	27473	23483
20°	26716	29762	26716	24489
25°	25391	29522	25391	24784
30°	23394	28862	23394	25047
35°	20700	28229	20700	24598
40°	17824	27454	17824	24866
45°	17595	26473	17595	24916
50°	16786	25181	16786	25010
55°	16701	23228	16701	24763
60°	14973	20702	14973	24664
65°	12768	18238	12768	23969
70°	10300	15451	10300	22215
75°	8933	12763	8933	20418
80°	7606	9512	7606	16485
85°	5057	5057	5057	10115

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 27302 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.3	2.4
10°-20°	442.4	6.7
20°-30°	671.8	10.2
30°-40°	788.7	12.0
40°-50°	800.4	12.1
50°-60°	701.1	10.6
60°-70°	497.3	7.5
70°-80°	256.0	3.9
80°-90°	56.8	0.9
90°-100°	60.4	0.9
100°-110°	176.1	2.7
110°-120°	287.3	4.4
120°-130°	364.6	5.5
130°-140°	390.1	5.9
140°-150°	364.3	5.5
150°-160°	299.8	4.6
160°-170°	201.0	3.1
170°-180°	71.4	1.1
0°-30°	1272.5	19.3
0°-40°	2061.2	31.3
0°-60°	3562.6	54.1
0°-90°	4372.7	66.4
90°-120°	523.8	8.0
90°-150°	1642.8	24.9
90°-180°	2215.0	33.6
0°-180°	6587.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1760	1760	1760	1760	1760	
5°	1732	1814	1732	1446	1732	164
15°	1644	1794	1644	1405	1644	462
25°	1425	1657	1425	1391	1425	651
35°	1050	1432	1050	1248	1050	654
45°	771	1159	771	1091	771	589
55°	593	825	593	880	593	513
65°	334	477	334	627	334	334
75°	143	205	143	327	143	155
85°	27	27	27	55	27	34
90°	2	17	2	33	2	3
95°	24	18	24	103	24	29
105°	112	179	112	247	112	119
115°	215	297	215	366	215	211
125°	317	471	317	449	317	284
135°	431	617	431	497	431	333
145°	551	711	551	508	551	345
155°	654	772	654	527	654	301
165°	723	805	723	607	723	204
175°	756	788	756	712	756	72
180°	759	759	759	759	759	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5
2.5°	1748.6	1760.7	1772.8	1775.9	1775.9	1775.9	1775.9	1775.9	1775.9	1775.9	1775.9
5°	1732.2	1753.4	1774.7	1784.5	1790.6	1795.1	1798.1	1801.9	1808.0	1814.1	1808.0
7.5°	1715.9	1744.3	1772.8	1786.8	1795.9	1803.1	1808.6	1813.5	1816.5	1819.5	1816.5
10°	1704.9	1738.3	1771.6	1786.8	1795.9	1801.9	1805.0	1808.0	1811.0	1814.1	1811.0
12.5°	1688.6	1724.3	1760.1	1777.7	1789.2	1796.5	1799.5	1802.5	1805.6	1808.6	1805.6
15°	1643.6	1692.1	1740.6	1759.5	1768.6	1776.2	1782.2	1787.5	1790.6	1793.6	1790.6
17.5°	1587.6	1646.4	1705.2	1729.0	1741.2	1750.0	1755.4	1760.1	1762.5	1765.0	1762.5
20°	1554.9	1618.6	1682.2	1707.2	1719.3	1726.9	1729.9	1732.2	1732.2	1732.2	1732.2
22.5°	1511.3	1582.2	1653.1	1679.9	1692.1	1698.4	1699.0	1700.1	1702.5	1704.9	1702.5
25°	1425.3	1507.2	1589.0	1623.1	1641.3	1648.9	1645.8	1645.1	1651.1	1657.2	1651.1
27.5°	1320.3	1423.4	1526.4	1561.3	1573.4	1581.0	1584.0	1586.3	1586.3	1586.3	1586.3
30°	1254.8	1370.0	1485.2	1523.1	1535.2	1542.8	1545.8	1548.1	1548.1	1548.1	1548.1
32.5°	1173.0	1310.0	1447.0	1488.5	1498.2	1503.4	1504.0	1504.4	1504.4	1504.4	1504.4
35°	1050.2	1216.9	1383.7	1429.9	1435.9	1439.0	1439.0	1438.2	1435.2	1432.2	1435.2
37.5°	927.5	1116.6	1305.8	1359.9	1369.0	1371.4	1367.1	1363.2	1360.2	1357.1	1360.2
40°	845.7	1051.8	1257.9	1316.2	1325.3	1325.3	1316.2	1308.6	1305.6	1302.6	1305.6
42.5°	802.0	1005.7	1209.4	1267.1	1276.2	1275.0	1263.5	1254.1	1251.0	1248.0	1251.0
45°	770.6	952.5	1134.4	1186.6	1195.7	1194.2	1182.1	1171.5	1165.4	1159.4	1165.4
47.5°	722.9	882.9	1043.0	1094.3	1109.5	1108.0	1089.8	1074.6	1068.6	1062.5	1068.6
50°	668.3	825.9	983.6	1034.3	1049.5	1048.0	1029.8	1014.6	1008.6	1002.5	1008.6
52.5°	630.1	778.1	926.0	972.5	985.2	981.3	960.7	943.7	937.6	931.6	937.6
55°	593.3	717.6	841.9	879.7	888.8	882.8	861.6	843.4	834.3	825.2	834.3
57.5°	507.4	625.6	743.8	780.6	790.3	783.1	758.8	738.0	727.7	717.4	727.7
60°	463.7	569.8	675.9	711.5	723.7	717.6	693.3	671.4	656.2	641.1	656.2
62.5°	414.6	508.6	602.6	638.8	655.8	652.1	627.9	605.9	590.7	575.6	590.7
65°	334.2	416.0	497.8	534.2	555.4	553.9	529.7	507.7	492.5	477.4	492.5
67.5°	261.9	332.2	402.5	438.3	462.5	461.3	434.6	411.6	399.5	387.4	399.5
70°	218.2	278.9	339.5	372.8	397.1	397.1	372.8	351.6	339.5	327.3	339.5
72.5°	191.0	237.0	283.1	314.6	341.3	341.3	314.6	292.2	282.5	272.8	282.5
75°	143.2	170.5	197.8	227.3	257.6	260.7	236.4	216.7	210.7	204.6	210.7
77.5°	103.7	116.4	129.1	152.3	179.0	182.0	161.4	145.3	142.9	140.5	142.9
80°	81.8	84.9	87.9	106.8	131.1	134.1	115.9	102.3	102.3	102.3	102.3
82.5°	54.6	57.6	60.6	74.1	91.1	92.9	79.6	69.0	66.5	64.1	66.5
85°	27.3	27.3	27.3	31.8	37.9	37.9	31.8	27.3	27.3	27.3	27.3
87.5°	5.9	6.5	7.3	9.7	12.6	12.8	10.3	8.7	8.8	8.8	8.8
90°	2.3	5.4	9.2	12.3	14.6	15.3	15.3	16.1	16.9	16.9	16.9
92.5°	8.4	13.3	13.5	13.5	16.4	17.8	19.0	19.2	19.9	19.9	19.9
95°	23.8	26.1	39.1	38.3	26.1	20.7	17.6	17.6	17.6	17.6	17.6
97.5°	45.4	48.7	50.9	68.2	72.0	69.6	56.7	47.7	42.6	40.3	42.6
100°	64.4	65.9	70.5	71.3	90.4	108.8	99.6	88.1	84.3	82.0	84.3
102.5°	83.4	84.3	91.3	94.6	99.0	109.4	141.3	137.8	135.2	134.7	135.2
105°	111.9	112.6	125.7	131.8	134.9	134.9	134.1	149.4	173.9	179.3	173.9
107.5°	142.4	145.9	161.2	177.6	181.1	182.1	178.1	175.8	174.9	175.5	174.9
110°	163.2	168.6	187.0	207.7	213.0	214.6	213.0	210.7	209.2	209.2	209.2



TEST NUMBER: P1435777

CATALOG NUMBER: SQ2W-FA-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	183.4	191.3	212.1	235.9	244.9	249.5	246.1	244.4	242.9	244.1	242.9
115°	214.6	226.1	253.6	278.2	296.6	298.8	298.1	298.1	297.3	297.3	297.3
117.5°	243.4	261.8	292.7	321.2	342.5	348.7	351.7	350.8	349.9	351.4	349.9
120°	263.6	285.1	320.3	352.5	373.2	382.4	385.4	383.9	385.4	383.9	385.4
122.5°	285.1	311.4	346.1	379.5	403.8	414.3	417.9	418.2	418.5	417.6	418.5
125°	317.2	349.4	390.0	424.5	449.8	462.1	465.1	465.9	467.4	471.3	467.4
127.5°	349.7	386.2	430.8	464.1	490.0	504.8	509.6	511.3	514.5	516.2	514.5
130°	372.4	413.8	459.0	490.4	515.7	531.8	540.2	542.5	546.4	545.6	546.4
132.5°	396.3	439.5	485.4	518.0	541.5	558.8	566.0	572.6	573.9	575.0	573.9
135°	431.4	478.2	524.1	556.3	578.5	595.4	604.6	610.7	614.6	616.9	614.6
137.5°	468.4	517.7	561.8	590.5	612.9	627.4	637.9	644.3	648.3	650.1	648.3
140°	493.5	541.0	583.9	613.8	633.7	648.3	657.5	665.1	669.7	669.7	669.7
142.5°	517.4	564.3	606.0	635.9	653.3	666.7	676.5	682.3	687.5	687.5	687.5
145°	551.0	597.7	636.0	665.9	680.5	692.7	703.4	708.0	711.1	711.1	711.1
147.5°	586.1	627.4	662.4	691.0	703.3	717.7	726.1	729.8	733.6	732.0	733.6
150°	606.9	645.2	678.9	705.7	718.0	731.8	740.2	743.3	747.1	744.8	747.1
152.5°	627.1	663.6	694.2	719.2	729.7	743.4	753.1	756.2	758.8	757.1	758.8
155°	654.4	686.6	714.9	737.9	747.1	760.1	769.3	773.2	776.2	772.4	776.2
157.5°	678.8	706.5	731.2	752.3	762.1	773.3	781.9	786.7	789.7	788.0	789.7
160°	693.5	718.8	741.0	760.9	770.1	780.1	789.3	794.6	797.7	795.4	797.7
162.5°	705.7	728.6	749.6	767.7	775.6	784.4	795.4	800.1	803.2	800.3	803.2
165°	723.4	741.8	760.1	775.5	782.4	789.3	800.8	806.1	808.4	805.4	808.4
167.5°	736.7	750.8	765.7	778.8	783.9	790.6	802.1	806.6	809.5	805.7	809.5
170°	744.1	756.3	769.3	780.1	783.9	790.0	801.5	805.4	807.7	803.8	807.7
172.5°	750.2	759.4	770.0	779.5	781.5	786.4	797.2	801.1	802.8	799.5	802.8
175°	756.3	761.7	769.3	775.5	774.7	777.8	787.0	790.0	793.1	788.5	793.1
177.5°	759.2	761.7	764.1	767.8	765.4	765.4	772.1	773.9	774.6	772.1	774.6
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5
2.5°	1775.9	1775.9	1775.9	1775.9	1775.9	1772.8	1760.7	1748.6	1748.6	1748.6	1739.5
5°	1801.9	1798.1	1795.1	1790.6	1784.5	1774.7	1753.4	1732.2	1723.1	1714.0	1675.4
7.5°	1813.5	1808.6	1803.1	1795.9	1786.8	1772.8	1744.3	1715.9	1675.2	1634.6	1548.5
10°	1808.0	1805.0	1801.9	1795.9	1786.8	1771.6	1738.3	1704.9	1623.1	1541.3	1459.4
12.5°	1802.5	1799.5	1796.5	1789.2	1777.7	1760.1	1724.3	1688.6	1572.8	1457.0	1383.0
15°	1787.5	1782.2	1776.2	1768.6	1759.5	1740.6	1692.1	1643.6	1513.2	1382.9	1320.8
17.5°	1760.1	1755.4	1750.0	1741.2	1729.0	1705.2	1646.4	1587.6	1451.2	1314.9	1274.8
20°	1732.2	1729.9	1726.9	1719.3	1707.2	1682.2	1618.6	1554.9	1418.5	1282.1	1263.9
22.5°	1700.1	1699.0	1698.4	1692.1	1679.9	1653.1	1582.2	1511.3	1377.3	1243.3	1243.9
25°	1645.1	1645.8	1648.9	1641.3	1623.1	1589.0	1507.2	1425.3	1307.1	1188.9	1209.4
27.5°	1586.3	1584.0	1581.0	1573.4	1561.3	1526.4	1423.4	1320.3	1227.0	1133.6	1167.5
30°	1548.1	1545.8	1542.8	1535.2	1523.1	1485.2	1370.0	1254.8	1176.0	1097.2	1136.6
32.5°	1504.4	1504.0	1503.4	1498.2	1488.5	1447.0	1310.0	1173.0	1116.0	1059.0	1100.3
35°	1438.2	1439.0	1439.0	1435.9	1429.9	1383.7	1216.9	1050.2	1026.0	1001.7	1050.2
37.5°	1363.2	1367.1	1371.4	1369.0	1359.9	1305.8	1116.6	927.5	935.4	943.2	1002.1
40°	1308.6	1316.2	1325.3	1325.3	1316.2	1257.9	1051.8	845.7	872.9	900.2	963.9
42.5°	1254.1	1263.5	1275.0	1276.2	1267.1	1209.4	1005.7	802.0	831.7	861.4	927.5
45°	1171.5	1182.1	1194.2	1195.7	1186.6	1134.4	952.5	770.6	788.8	807.0	870.7
47.5°	1074.6	1089.8	1108.0	1109.5	1094.3	1043.0	882.9	722.9	736.2	749.6	814.7
50°	1014.6	1029.8	1048.0	1049.5	1034.3	983.6	825.9	668.3	686.5	704.7	772.9
52.5°	943.7	960.7	981.3	985.2	972.5	926.0	778.1	630.1	641.1	652.0	725.6
55°	843.4	861.6	882.8	888.8	879.7	841.9	717.6	593.3	584.2	575.1	650.2
57.5°	738.0	758.8	783.1	790.3	780.6	743.8	625.6	507.4	499.5	491.6	572.9
60°	671.4	693.3	717.6	723.7	711.5	675.9	569.8	463.7	448.6	433.4	518.3
62.5°	605.9	627.9	652.1	655.8	638.8	602.6	508.6	414.6	404.3	394.0	476.5
65°	507.7	529.7	553.9	555.4	534.2	497.8	416.0	334.2	340.2	346.3	420.6
67.5°	411.6	434.6	461.3	462.5	438.3	402.5	332.2	261.9	281.9	301.9	368.7
70°	351.6	372.8	397.1	397.1	372.8	339.5	278.9	218.2	245.5	272.8	334.2
72.5°	292.2	314.6	341.3	341.3	314.6	283.1	237.0	191.0	218.2	245.5	296.0
75°	216.7	236.4	260.7	257.6	227.3	197.8	170.5	143.2	170.5	197.8	236.4
77.5°	145.3	161.4	182.0	179.0	152.3	129.1	116.4	103.7	126.1	148.5	175.5
80°	102.3	115.9	134.1	131.1	106.8	87.9	84.9	81.8	97.0	112.1	131.8
82.5°	69.0	79.6	92.9	91.1	74.1	60.6	57.6	54.6	67.3	80.0	93.7
85°	27.3	31.8	37.9	37.9	31.8	27.3	27.3	27.3	33.3	39.4	45.5
87.5°	8.7	10.3	12.8	12.6	9.7	7.3	6.5	5.9	9.0	12.0	13.7
90°	16.1	15.3	15.3	14.6	12.3	9.2	5.4	2.3	5.4	8.4	13.8
92.5°	19.2	19.0	17.8	16.4	13.5	13.5	13.3	8.4	14.6	20.7	29.7
95°	17.6	17.6	20.7	26.1	38.3	39.1	26.1	23.8	33.7	47.5	59.8
97.5°	47.7	56.7	69.6	72.0	68.2	50.9	48.7	45.4	61.8	75.4	95.2
100°	88.1	99.6	108.8	90.4	71.3	70.5	65.9	64.4	82.0	95.0	114.2
102.5°	137.8	141.3	109.4	99.0	94.6	91.3	84.3	83.4	101.0	118.9	135.0
105°	149.4	134.1	134.9	134.9	131.8	125.7	112.6	111.9	131.8	152.5	172.4
107.5°	175.8	178.1	182.1	181.1	177.6	161.2	145.9	142.4	160.3	185.1	207.0
110°	210.7	213.0	214.6	213.0	207.7	187.0	168.6	163.2	179.3	205.4	229.1



TEST NUMBER: P1435777

CATALOG NUMBER: SQ2W-FA-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	244.4	246.1	249.5	244.9	235.9	212.1	191.3	183.4	199.5	226.2	250.6
115°	298.1	298.1	298.8	296.6	278.2	253.6	226.1	214.6	228.4	252.9	279.7
117.5°	350.8	351.7	348.7	342.5	321.2	292.7	261.8	243.4	254.3	280.2	307.7
120°	383.9	385.4	382.4	373.2	352.5	320.3	285.1	263.6	272.0	297.3	324.9
122.5°	418.2	417.9	414.3	403.8	379.5	346.1	311.4	285.1	288.6	312.0	339.0
125°	465.9	465.1	462.1	449.8	424.5	390.0	349.4	317.2	312.6	332.6	360.2
127.5°	511.3	509.6	504.8	490.0	464.1	430.8	386.2	349.7	339.5	352.0	377.3
130°	542.5	540.2	531.8	515.7	490.4	459.0	413.8	372.4	357.9	365.5	387.7
132.5°	572.6	566.0	558.8	541.5	518.0	485.4	439.5	396.3	376.2	379.6	396.9
135°	610.7	604.6	595.4	578.5	556.3	524.1	478.2	431.4	403.8	400.8	410.7
137.5°	644.3	637.9	627.4	612.9	590.5	561.8	517.7	468.4	433.6	423.3	427.1
140°	665.1	657.5	648.3	633.7	613.8	583.9	541.0	493.5	454.4	439.8	437.5
142.5°	682.3	676.5	666.7	653.3	635.9	606.0	564.3	517.4	475.9	457.0	451.6
145°	708.0	703.4	692.7	680.5	665.9	636.0	597.7	551.0	509.6	485.1	473.6
147.5°	729.8	726.1	717.7	703.3	691.0	662.4	627.4	586.1	543.6	513.3	498.4
150°	743.3	740.2	731.8	718.0	705.7	678.9	645.2	606.9	566.3	534.1	514.9
152.5°	756.2	753.1	743.4	729.7	719.2	694.2	663.6	627.1	585.9	553.7	533.9
155°	773.2	769.3	760.1	747.1	737.9	714.9	686.6	654.4	619.2	585.4	563.2
157.5°	786.7	781.9	773.3	762.1	752.3	731.2	706.5	678.8	648.0	615.8	593.1
160°	794.6	789.3	780.1	770.1	760.9	741.0	718.8	693.5	665.1	636.0	611.5
162.5°	800.1	795.4	784.4	775.6	767.7	749.6	728.6	705.7	680.5	655.0	632.3
165°	806.1	800.8	789.3	782.4	775.5	760.1	741.8	723.4	701.9	681.2	662.8
167.5°	806.6	802.1	790.6	783.9	778.8	765.7	750.8	736.7	720.0	703.8	688.4
170°	805.4	801.5	790.0	783.9	780.1	769.3	756.3	744.1	731.0	717.2	705.0
172.5°	801.1	797.2	786.4	781.5	779.5	770.0	759.4	750.2	739.0	728.9	719.1
175°	790.0	787.0	777.8	774.7	775.5	769.3	761.7	756.3	749.4	743.3	737.9
177.5°	773.9	772.1	765.4	765.4	767.8	764.1	761.7	759.2	756.2	754.3	752.5
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



TEST NUMBER: P1435777

CATALOG NUMBER: SQ2W-FA-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5
2.5°	1727.4	1717.7	1710.4	1704.3	1701.9	1699.5	1701.9	1704.3	1710.4	1717.7	1727.4
5°	1626.9	1575.4	1520.8	1476.1	1460.9	1445.8	1460.9	1476.1	1520.8	1575.4	1626.9
7.5°	1447.3	1385.2	1362.1	1343.6	1338.8	1333.9	1338.8	1343.6	1362.1	1385.2	1447.3
10°	1377.6	1327.6	1309.4	1295.8	1295.8	1295.8	1295.8	1295.8	1309.4	1327.6	1377.6
12.5°	1323.0	1292.4	1291.2	1293.3	1305.5	1317.6	1305.5	1293.3	1291.2	1292.4	1323.0
15°	1281.4	1285.9	1334.4	1374.6	1389.7	1404.9	1389.7	1374.6	1334.4	1285.9	1281.4
17.5°	1267.0	1293.0	1353.0	1401.1	1413.2	1425.3	1413.2	1401.1	1353.0	1293.0	1267.0
20°	1285.1	1318.5	1364.0	1401.1	1413.2	1425.3	1413.2	1401.1	1364.0	1318.5	1285.1
22.5°	1289.4	1330.0	1365.8	1395.6	1407.8	1419.9	1407.8	1395.6	1365.8	1330.0	1289.4
25°	1276.1	1324.5	1354.9	1379.1	1385.2	1391.2	1385.2	1379.1	1354.9	1324.5	1276.1
27.5°	1243.9	1297.3	1327.6	1351.4	1355.6	1359.9	1355.6	1351.4	1327.6	1297.3	1243.9
30°	1215.4	1270.0	1300.3	1325.3	1334.4	1343.5	1334.4	1325.3	1300.3	1270.0	1215.4
32.5°	1174.2	1230.0	1267.6	1296.2	1298.0	1299.8	1298.0	1296.2	1267.6	1230.0	1174.2
35°	1123.0	1180.6	1223.0	1254.1	1251.0	1248.0	1251.0	1254.1	1223.0	1180.6	1123.0
37.5°	1077.8	1134.2	1171.2	1199.8	1203.5	1207.1	1203.5	1199.8	1171.2	1134.2	1077.8
40°	1039.6	1097.2	1136.6	1167.7	1173.8	1179.8	1173.8	1167.7	1136.6	1097.2	1039.6
42.5°	1005.7	1064.5	1103.9	1135.0	1141.0	1147.1	1141.0	1135.0	1103.9	1064.5	1005.7
45°	949.5	1010.1	1052.5	1085.1	1088.1	1091.2	1088.1	1085.1	1052.5	1010.1	949.5
47.5°	897.2	958.1	997.5	1027.8	1030.8	1033.9	1030.8	1027.8	997.5	958.1	897.2
50°	857.8	919.9	959.3	989.6	992.7	995.7	992.7	989.6	959.3	919.9	857.8
52.5°	820.2	884.8	919.3	946.0	949.0	952.0	949.0	946.0	919.3	884.8	820.2
55°	753.2	821.4	854.7	879.7	879.7	879.7	879.7	854.7	821.4	753.2	753.2
57.5°	683.8	753.8	782.9	805.6	809.3	812.9	809.3	805.6	782.9	753.8	683.8
60°	636.5	707.7	732.0	751.7	757.8	763.8	757.8	751.7	732.0	707.7	636.5
62.5°	589.8	658.6	682.9	702.0	705.6	709.3	705.6	702.0	682.9	658.6	589.8
65°	517.5	578.2	602.4	621.4	624.4	627.4	624.4	621.4	602.4	578.2	517.5
67.5°	451.2	500.9	517.8	531.2	533.6	536.0	533.6	531.2	517.8	500.9	451.2
70°	406.9	449.3	461.5	470.6	470.6	470.6	470.6	470.6	461.5	449.3	406.9
72.5°	354.2	389.3	401.5	411.2	413.6	416.0	413.6	411.2	401.5	389.3	354.2
75°	278.9	304.6	313.7	321.3	324.3	327.3	324.3	321.3	313.7	304.6	278.9
77.5°	204.0	221.0	226.4	231.3	234.3	237.3	234.3	231.3	226.4	221.0	204.0
80°	153.1	165.2	168.2	171.3	174.3	177.3	174.3	171.3	168.2	165.2	153.1
82.5°	107.6	116.1	119.1	121.5	122.1	122.8	122.1	121.5	119.1	116.1	107.6
85°	51.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	51.5
87.5°	14.4	15.5	16.6	17.2	17.8	17.5	17.8	17.2	16.6	15.5	14.4
90°	17.6	23.0	28.4	31.4	34.5	33.0	34.5	31.4	28.4	23.0	17.6
92.5°	35.4	44.4	51.0	56.6	59.0	58.7	59.0	56.6	51.0	44.4	35.4
95°	71.3	82.0	92.7	100.4	105.0	103.4	105.0	100.4	92.7	82.0	71.3
97.5°	109.9	124.3	136.2	143.4	148.0	151.1	148.0	143.4	136.2	124.3	109.9
100°	135.6	149.4	163.2	171.6	179.3	182.4	179.3	171.6	163.2	149.4	135.6
102.5°	156.5	174.6	189.6	198.6	205.1	208.1	205.1	198.6	189.6	174.6	156.5
105°	190.8	210.0	226.1	237.5	244.4	246.7	244.4	237.5	226.1	210.0	190.8
107.5°	225.1	244.9	259.8	272.5	280.9	285.8	280.9	272.5	259.8	244.9	225.1
110°	252.1	268.2	284.3	295.8	304.2	307.3	304.2	295.8	284.3	268.2	252.1



TEST NUMBER: P1435777

CATALOG NUMBER: SQ2W-FA-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	274.8	292.7	308.8	320.3	330.0	334.3	330.0	320.3	308.8	292.7	274.8
115°	306.5	330.3	344.8	355.6	362.5	366.3	362.5	355.6	344.8	330.3	306.5
117.5°	332.9	357.7	373.6	381.9	385.1	387.9	385.1	381.9	373.6	357.7	332.9
120°	349.4	372.4	390.8	401.5	405.4	406.9	405.4	401.5	390.8	372.4	349.4
122.5°	364.7	386.5	404.3	417.5	423.8	425.3	423.8	417.5	404.3	386.5	364.7
125°	386.2	406.9	425.3	438.3	445.2	449.0	445.2	438.3	425.3	406.9	386.2
127.5°	404.9	427.3	444.1	455.9	462.7	465.7	462.7	455.9	444.1	427.3	404.9
130°	415.3	438.3	455.2	468.2	474.3	477.4	474.3	468.2	455.2	438.3	415.3
132.5°	423.3	447.5	465.0	476.8	483.5	486.6	483.5	476.8	465.0	447.5	423.3
135°	432.9	458.2	476.6	488.1	494.3	497.3	494.3	488.1	476.6	458.2	432.9
137.5°	441.4	464.4	483.5	495.6	501.1	503.1	501.1	495.6	483.5	464.4	441.4
140°	447.5	467.4	486.6	498.1	504.2	505.0	504.2	498.1	486.6	467.4	447.5
142.5°	455.5	471.1	487.8	499.3	505.4	506.8	505.4	499.3	487.8	471.1	455.5
145°	469.7	478.9	490.4	501.1	506.5	508.0	506.5	501.1	490.4	478.9	469.7
147.5°	487.7	490.6	496.5	503.6	508.8	509.9	508.8	503.6	496.5	490.6	487.7
150°	501.1	500.4	502.7	507.3	511.9	511.1	511.9	507.3	502.7	500.4	501.1
152.5°	516.5	512.0	511.9	514.0	516.2	516.0	516.2	514.0	511.9	512.0	516.5
155°	542.5	534.1	529.5	528.0	528.0	527.2	528.0	528.0	529.5	534.1	542.5
157.5°	571.2	559.4	552.5	548.8	547.7	546.1	547.7	548.8	552.5	559.4	571.2
160°	590.8	577.8	570.9	564.7	562.4	560.2	562.4	564.7	570.9	577.8	590.8
162.5°	609.2	596.8	589.3	583.8	581.5	577.9	581.5	583.8	589.3	596.8	609.2
165°	639.1	626.1	617.6	613.0	610.0	606.9	610.0	613.0	617.6	626.1	639.1
167.5°	669.0	654.7	649.2	644.0	641.1	635.6	641.1	644.0	649.2	654.7	669.0
170°	687.4	674.3	671.3	666.7	661.3	655.2	661.3	666.7	671.3	674.3	687.4
172.5°	703.3	694.6	691.5	686.9	685.2	680.3	685.2	686.9	691.5	694.6	703.3
175°	726.4	719.5	719.5	718.8	716.5	711.9	716.5	718.8	719.5	719.5	726.4
177.5°	745.7	742.1	744.5	744.5	743.9	739.6	743.9	744.5	744.5	742.1	745.7
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



TEST NUMBER: P1435777

CATALOG NUMBER: SQ2W-FA-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1759.5	1759.5	1759.5	1759.5
2.5°	1739.5	1748.6	1748.6	1748.6
5°	1675.4	1714.0	1723.1	1732.2
7.5°	1548.5	1634.6	1675.2	1715.9
10°	1459.4	1541.3	1623.1	1704.9
12.5°	1383.0	1457.0	1572.8	1688.6
15°	1320.8	1382.9	1513.2	1643.6
17.5°	1274.8	1314.9	1451.2	1587.6
20°	1263.9	1282.1	1418.5	1554.9
22.5°	1243.9	1243.3	1377.3	1511.3
25°	1209.4	1188.9	1307.1	1425.3
27.5°	1167.5	1133.6	1227.0	1320.3
30°	1136.6	1097.2	1176.0	1254.8
32.5°	1100.3	1059.0	1116.0	1173.0
35°	1050.2	1001.7	1026.0	1050.2
37.5°	1002.1	943.2	935.4	927.5
40°	963.9	900.2	872.9	845.7
42.5°	927.5	861.4	831.7	802.0
45°	870.7	807.0	788.8	770.6
47.5°	814.7	749.6	736.2	722.9
50°	772.9	704.7	686.5	668.3
52.5°	725.6	652.0	641.1	630.1
55°	650.2	575.1	584.2	593.3
57.5°	572.9	491.6	499.5	507.4
60°	518.3	433.4	448.6	463.7
62.5°	476.5	394.0	404.3	414.6
65°	420.6	346.3	340.2	334.2
67.5°	368.7	301.9	281.9	261.9
70°	334.2	272.8	245.5	218.2
72.5°	296.0	245.5	218.2	191.0
75°	236.4	197.8	170.5	143.2
77.5°	175.5	148.5	126.1	103.7
80°	131.8	112.1	97.0	81.8
82.5°	93.7	80.0	67.3	54.6
85°	45.5	39.4	33.3	27.3
87.5°	13.7	12.0	9.0	5.9
90°	13.8	8.4	5.4	2.3
92.5°	29.7	20.7	14.6	8.4
95°	59.8	47.5	33.7	23.8
97.5°	95.2	75.4	61.8	45.4
100°	114.2	95.0	82.0	64.4
102.5°	135.0	118.9	101.0	83.4
105°	172.4	152.5	131.8	111.9
107.5°	207.0	185.1	160.3	142.4
110°	229.1	205.4	179.3	163.2

TEST NUMBER: P1435777

CATALOG NUMBER: SQ2W-FA-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	250.6	226.2	199.5	183.4
115°	279.7	252.9	228.4	214.6
117.5°	307.7	280.2	254.3	243.4
120°	324.9	297.3	272.0	263.6
122.5°	339.0	312.0	288.6	285.1
125°	360.2	332.6	312.6	317.2
127.5°	377.3	352.0	339.5	349.7
130°	387.7	365.5	357.9	372.4
132.5°	396.9	379.6	376.2	396.3
135°	410.7	400.8	403.8	431.4
137.5°	427.1	423.3	433.6	468.4
140°	437.5	439.8	454.4	493.5
142.5°	451.6	457.0	475.9	517.4
145°	473.6	485.1	509.6	551.0
147.5°	498.4	513.3	543.6	586.1
150°	514.9	534.1	566.3	606.9
152.5°	533.9	553.7	585.9	627.1
155°	563.2	585.4	619.2	654.4
157.5°	593.1	615.8	648.0	678.8
160°	611.5	636.0	665.1	693.5
162.5°	632.3	655.0	680.5	705.7
165°	662.8	681.2	701.9	723.4
167.5°	688.4	703.8	720.0	736.7
170°	705.0	717.2	731.0	744.1
172.5°	719.1	728.9	739.0	750.2
175°	737.9	743.3	749.4	756.3
177.5°	752.5	754.3	756.2	759.2
180°	758.6	758.6	758.6	758.6



TEST NUMBER: P1435777
 CATALOG NUMBER: SQ2W-FA-K-050U-100D-L840-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	19.40	20.42	20.20	21.25	22.27	20.59	21.62	21.40	22.45	23.46
	3H	20.50	21.42	21.31	22.25	23.30	21.85	22.77	22.67	23.61	24.65
	4H	20.86	21.73	21.69	22.57	23.63	22.25	23.12	23.08	23.96	25.02
	6H	21.03	21.83	21.87	22.68	23.75	22.42	23.22	23.26	24.07	25.14
	8H	21.07	21.83	21.92	22.70	23.77	22.45	23.21	23.30	24.08	25.15
	12H	21.07	21.80	21.93	22.66	23.76	22.44	23.17	23.30	24.03	25.12
4H	2H	20.28	21.15	21.12	22.00	23.05	21.20	22.07	22.04	22.91	23.97
	3H	21.69	22.41	22.54	23.29	24.36	22.68	23.40	23.53	24.28	25.35
	4H	22.15	22.81	23.01	23.68	24.78	23.16	23.82	24.02	24.69	25.79
	6H	22.39	22.96	23.27	23.86	24.96	23.39	23.96	24.27	24.86	25.96
	8H	22.45	22.98	23.33	23.87	24.99	23.44	23.98	24.33	24.87	25.98
	12H	22.46	22.94	23.36	23.85	24.97	23.44	23.92	24.34	24.83	25.95
8H	4H	22.55	23.08	23.43	23.97	25.09	23.37	23.90	24.25	24.79	25.91
	6H	22.90	23.34	23.81	24.28	25.39	23.69	24.13	24.60	25.06	26.18
	8H	23.02	23.41	23.94	24.34	25.47	23.79	24.18	24.71	25.10	26.24
	12H	23.07	23.41	23.99	24.33	25.51	23.81	24.15	24.73	25.07	26.26
12H	4H	22.56	23.04	23.46	23.95	25.07	23.35	23.83	24.25	24.74	25.86
	6H	22.98	23.37	23.89	24.29	25.43	23.71	24.10	24.63	25.03	26.16
	8H	23.13	23.47	24.05	24.39	25.58	23.83	24.17	24.75	25.09	26.28