

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: P1435950

Luminaire Tested: SQ2W-FB-K-050U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435950
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-L835-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

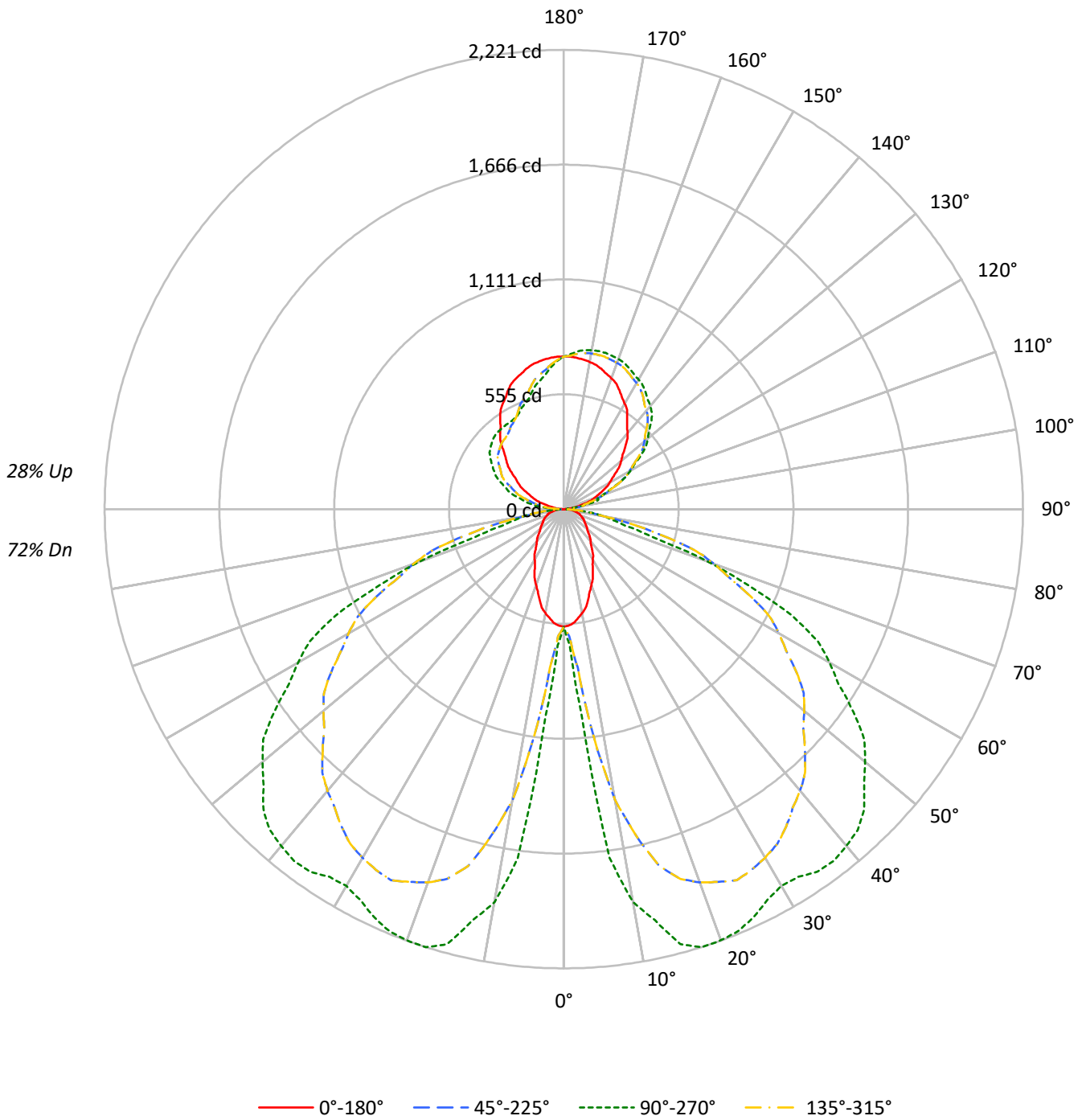
Lumens per Lamp: N/A
Luminaire Lumens: 7768.4 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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

TEST NUMBER: P1435950

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L835-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1435950

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L835-UNV-STD-W-WM-4

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	0
RCR																		
0	112	112	112	112	107	107	107	107	96	96	96	86	86	86	77	77	77	72
1	103	98	94	90	97	93	89	86	84	81	78	75	73	71	67	66	64	60
2	93	85	78	73	88	81	75	70	73	68	64	65	62	59	59	56	53	50
3	84	74	66	60	80	70	63	58	64	58	53	57	53	49	51	48	45	41
4	77	65	57	50	72	62	54	48	56	50	45	50	45	41	45	41	38	35
5	70	58	49	42	66	55	47	41	50	43	38	45	39	35	40	36	32	29
6	65	51	43	36	61	49	41	35	45	38	33	40	35	30	36	32	28	25
7	60	46	38	32	56	44	36	31	40	33	29	36	31	27	33	28	24	22
8	55	42	34	28	52	40	32	27	36	30	25	33	27	23	30	25	22	19
9	51	38	30	25	48	36	29	24	33	27	22	30	25	21	27	23	19	17
10	48	35	27	22	45	33	26	21	30	24	20	28	22	19	25	21	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9179	9179	9179	9179
5°	8948	16256	8948	16256
10°	8379	31633	8379	31633
15°	7584	36409	7584	36409
20°	6715	38130	6715	38130
25°	5939	38756	5939	38756
30°	5248	39233	5248	39233
35°	4687	42180	4687	42180
40°	4262	44815	4262	44815
45°	3932	46927	3932	46927
50°	3707	47779	3707	47779
55°	3617	48160	3617	48160
60°	3707	47920	3707	47920
65°	3862	46566	3862	46566
70°	3998	35221	3998	35221
75°	4435	19438	4435	19438
80°	4575	18038	4575	18038
85°	4557	7595	4557	7595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 48594 cd/sqm



TEST NUMBER: P1435950

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L835-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	1.2
10°-20°	434.6	5.6
20°-30°	764.7	9.8
30°-40°	989.9	12.7
40°-50°	1091.7	14.1
50°-60°	1018.9	13.1
60°-70°	787.2	10.1
70°-80°	362.9	4.7
80°-90°	72.4	0.9
90°-100°	58.6	0.8
100°-110°	171.0	2.2
110°-120°	279.0	3.6
120°-130°	354.0	4.6
130°-140°	378.8	4.9
140°-150°	353.8	4.6
150°-160°	291.1	3.7
160°-170°	195.2	2.5
170°-180°	69.3	0.9
0°-30°	1294.5	16.7
0°-40°	2284.4	29.4
0°-60°	4395.1	56.6
0°-90°	5617.5	72.3
90°-120°	508.6	6.5
90°-150°	1595.3	20.5
90°-180°	2151.0	27.7
0°-180°	7768.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	552	1003	552	1003	552	51
15°	454	2178	454	2178	454	126
25°	333	2176	333	2176	333	153
35°	238	2140	238	2140	238	150
45°	172	2055	172	2055	172	133
55°	128	1711	128	1711	128	116
65°	101	1219	101	1219	101	99
75°	71	312	71	312	71	73
85°	25	41	25	41	25	26
90°	2	16	2	32	2	3
95°	23	17	23	100	23	28
105°	109	174	109	240	109	116
115°	208	289	208	356	208	205
125°	308	458	308	436	308	276
135°	419	599	419	483	419	324
145°	535	690	535	493	535	335
155°	636	750	636	512	636	292
165°	702	782	702	589	702	198
175°	734	766	734	691	734	70
180°	737	737	737	737	737	



TEST NUMBER: P1435950

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	564.1	574.8	585.5	596.9	608.6	621.2	634.8	646.5	652.3	658.1	652.3
5°	552.1	588.5	625.0	677.8	736.1	802.3	876.4	939.9	971.4	1003.0	971.4
7.5°	530.8	604.8	678.9	835.9	1020.6	1212.3	1411.0	1575.8	1639.0	1702.1	1639.0
10°	511.1	614.3	717.6	983.9	1304.6	1551.1	1723.6	1861.5	1895.5	1929.5	1895.5
12.5°	489.2	629.4	769.6	1098.3	1489.9	1746.2	1867.2	1966.7	2001.7	2036.7	2001.7
15°	453.7	654.1	854.5	1226.2	1655.0	1918.6	2017.0	2100.5	2139.4	2178.2	2139.4
17.5°	417.1	683.8	950.5	1329.7	1746.3	2003.4	2100.8	2179.1	2200.3	2221.4	2200.3
20°	390.8	704.2	1017.6	1397.5	1799.5	2042.5	2126.3	2192.5	2205.9	2219.2	2205.9
22.5°	366.8	717.1	1067.4	1447.8	1838.2	2065.1	2128.5	2179.6	2194.0	2208.3	2194.0
25°	333.4	728.2	1123.0	1502.3	1876.4	2083.5	2123.6	2156.1	2165.8	2175.5	2165.8
27.5°	301.2	718.3	1135.4	1509.9	1870.2	2063.4	2089.7	2111.7	2121.2	2130.7	2121.2
30°	281.5	705.4	1129.3	1500.4	1853.9	2040.4	2059.8	2077.7	2091.1	2104.4	2091.1
32.5°	264.0	689.9	1115.7	1482.2	1828.9	2011.4	2029.9	2051.0	2079.9	2108.8	2079.9
35°	237.8	656.8	1075.9	1438.5	1782.2	1968.7	1997.8	2033.1	2086.5	2140.0	2086.5
37.5°	215.4	614.5	1013.7	1372.5	1718.0	1921.2	1982.2	2040.8	2092.3	2143.8	2092.3
40°	202.2	584.9	967.5	1323.7	1671.1	1885.5	1966.9	2038.8	2082.6	2126.3	2082.6
42.5°	189.1	551.3	913.6	1266.9	1617.2	1839.8	1934.8	2017.0	2060.7	2104.4	2060.7
45°	172.2	497.7	823.2	1173.4	1531.7	1766.8	1878.5	1972.6	2013.9	2055.2	2013.9
47.5°	156.3	439.1	721.9	1073.5	1448.1	1694.7	1813.3	1909.7	1939.8	1970.0	1939.8
50°	147.6	400.2	652.9	1005.8	1392.0	1643.5	1760.1	1853.6	1877.9	1902.2	1877.9
52.5°	138.8	362.3	585.8	939.4	1336.4	1589.8	1699.6	1787.5	1809.9	1832.2	1809.9
55°	128.5	310.7	492.9	842.7	1248.4	1499.2	1595.2	1672.0	1691.4	1710.9	1691.4
57.5°	119.2	266.1	413.1	751.9	1154.7	1397.1	1478.9	1544.3	1560.1	1575.9	1560.1
60°	114.8	242.3	369.9	695.1	1086.2	1318.8	1392.9	1452.5	1468.2	1484.0	1468.2
62.5°	108.2	219.2	330.3	638.3	1011.9	1232.8	1301.1	1356.0	1370.8	1385.6	1370.8
65°	101.1	191.0	280.9	558.4	898.6	1097.2	1154.2	1199.5	1209.2	1218.9	1209.2
67.5°	91.3	167.6	243.8	485.4	782.0	948.1	983.5	1005.6	987.4	969.1	987.4
70°	84.7	155.2	225.6	440.9	704.5	842.4	854.5	850.6	798.3	746.1	798.3
72.5°	80.4	143.0	205.7	392.1	619.7	720.2	693.5	648.7	549.8	450.9	549.8
75°	71.1	122.1	173.1	313.4	483.4	510.2	393.6	306.7	309.1	311.6	309.1
77.5°	57.9	96.1	134.2	220.5	322.7	343.0	281.3	235.6	237.8	240.0	237.8
80°	49.2	79.6	109.9	143.9	179.2	195.6	193.1	191.6	192.8	194.0	192.8
82.5°	40.4	63.0	85.6	106.0	125.7	136.8	139.2	140.6	138.9	137.2	138.9
85°	24.6	38.0	51.3	59.2	65.3	63.5	53.7	45.9	43.4	41.0	43.4
87.5°	9.2	14.6	20.2	19.1	15.7	13.9	13.9	14.1	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	17.3	18.5	18.6	19.3	19.3	19.3
95°	23.1	25.3	37.9	37.2	25.3	20.1	17.1	17.1	17.1	17.1	17.1
97.5°	44.1	47.3	49.4	66.2	69.9	67.6	55.1	46.3	41.4	39.1	41.4
100°	62.5	64.0	68.5	69.2	87.8	105.7	96.7	85.6	81.9	79.6	81.9
102.5°	81.0	81.9	88.7	91.8	96.1	106.3	137.2	133.8	131.3	130.8	131.3
105°	108.6	109.4	122.0	128.0	131.0	131.0	130.2	145.1	168.9	174.1	168.9
107.5°	138.3	141.7	156.6	172.5	175.9	176.8	172.9	170.7	169.8	170.4	169.8
110°	158.5	163.7	181.6	201.7	206.9	208.3	206.9	204.6	203.1	203.1	203.1



TEST NUMBER: P1435950

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	178.1	185.7	206.0	229.0	237.8	242.3	239.0	237.4	235.9	237.1	235.9
115°	208.3	219.5	246.3	270.1	288.0	290.2	289.5	289.5	288.7	288.7	288.7
117.5°	236.3	254.2	284.2	311.9	332.6	338.6	341.5	340.6	339.8	341.2	339.8
120°	256.0	276.8	311.0	342.3	362.4	371.3	374.3	372.8	374.3	372.8	374.3
122.5°	276.8	302.4	336.0	368.5	392.1	402.3	405.8	406.1	406.4	405.5	406.4
125°	308.1	339.3	378.7	412.2	436.8	448.7	451.7	452.4	453.9	457.6	453.9
127.5°	339.6	375.0	418.3	450.6	475.8	490.2	494.8	496.5	499.6	501.2	499.6
130°	361.6	401.8	445.7	476.2	500.8	516.4	524.6	526.8	530.5	529.8	530.5
132.5°	384.8	426.8	471.3	503.0	525.8	542.6	549.6	556.0	557.3	558.4	557.3
135°	418.9	464.3	509.0	540.2	561.8	578.2	587.1	593.0	596.8	599.0	596.8
137.5°	454.8	502.7	545.6	573.4	595.1	609.3	619.4	625.6	629.5	631.3	629.5
140°	479.2	525.3	567.0	596.0	615.4	629.5	638.4	645.9	650.3	650.3	650.3
142.5°	502.4	548.0	588.4	617.5	634.4	647.4	656.9	662.5	667.6	667.6	667.6
145°	535.0	580.4	617.6	646.6	660.8	672.7	683.1	687.5	690.5	690.5	690.5
147.5°	569.1	609.3	643.2	671.0	682.9	696.9	705.1	708.7	712.4	710.8	712.4
150°	589.3	626.5	659.3	685.3	697.2	710.6	718.8	721.8	725.5	723.3	725.5
152.5°	609.0	644.4	674.2	698.4	708.5	721.9	731.3	734.3	736.8	735.2	736.8
155°	635.5	666.7	694.2	716.6	725.5	738.1	747.1	750.8	753.8	750.0	753.8
157.5°	659.1	686.1	710.0	730.6	740.1	750.9	759.3	763.9	766.9	765.2	766.9
160°	673.4	698.0	719.5	738.9	747.8	757.5	766.4	771.6	774.6	772.4	774.6
162.5°	685.3	707.5	727.9	745.4	753.2	761.7	772.4	777.0	780.0	777.1	780.0
165°	702.4	720.3	738.1	753.0	759.7	766.4	777.6	782.8	785.0	782.0	785.0
167.5°	715.4	729.1	743.5	756.3	761.2	767.8	778.9	783.2	786.1	782.3	786.1
170°	722.5	734.4	747.1	757.5	761.2	767.2	778.3	782.0	784.3	780.6	784.3
172.5°	728.5	737.4	747.7	756.9	758.8	763.6	774.2	777.9	779.5	776.4	779.5
175°	734.4	739.6	747.1	753.0	752.3	755.3	764.2	767.2	770.1	765.7	770.1
177.5°	737.3	739.6	742.0	745.6	743.2	743.2	749.8	751.5	752.1	749.8	752.1
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



TEST NUMBER: P1435950

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	646.5	634.8	621.2	608.6	596.9	585.5	574.8	564.1	574.8	585.5	596.9
5°	939.9	876.4	802.3	736.1	677.8	625.0	588.5	552.1	588.5	625.0	677.8
7.5°	1575.8	1411.0	1212.3	1020.6	835.9	678.9	604.8	530.8	604.8	678.9	835.9
10°	1861.5	1723.6	1551.1	1304.6	983.9	717.6	614.3	511.1	614.3	717.6	983.9
12.5°	1966.7	1867.2	1746.2	1489.9	1098.3	769.6	629.4	489.2	629.4	769.6	1098.3
15°	2100.5	2017.0	1918.6	1655.0	1226.2	854.5	654.1	453.7	654.1	854.5	1226.2
17.5°	2179.1	2100.8	2003.4	1746.3	1329.7	950.5	683.8	417.1	683.8	950.5	1329.7
20°	2192.5	2126.3	2042.5	1799.5	1397.5	1017.6	704.2	390.8	704.2	1017.6	1397.5
22.5°	2179.6	2128.5	2065.1	1838.2	1447.8	1067.4	717.1	366.8	717.1	1067.4	1447.8
25°	2156.1	2123.6	2083.5	1876.4	1502.3	1123.0	728.2	333.4	728.2	1123.0	1502.3
27.5°	2111.7	2089.7	2063.4	1870.2	1509.9	1135.4	718.3	301.2	718.3	1135.4	1509.9
30°	2077.7	2059.8	2040.4	1853.9	1500.4	1129.3	705.4	281.5	705.4	1129.3	1500.4
32.5°	2051.0	2029.9	2011.4	1828.9	1482.2	1115.7	689.9	264.0	689.9	1115.7	1482.2
35°	2033.1	1997.8	1968.7	1782.2	1438.5	1075.9	656.8	237.8	656.8	1075.9	1438.5
37.5°	2040.8	1982.2	1921.2	1718.0	1372.5	1013.7	614.5	215.4	614.5	1013.7	1372.5
40°	2038.8	1966.9	1885.5	1671.1	1323.7	967.5	584.9	202.2	584.9	967.5	1323.7
42.5°	2017.0	1934.8	1839.8	1617.2	1266.9	913.6	551.3	189.1	551.3	913.6	1266.9
45°	1972.6	1878.5	1766.8	1531.7	1173.4	823.2	497.7	172.2	497.7	823.2	1173.4
47.5°	1909.7	1813.3	1694.7	1448.1	1073.5	721.9	439.1	156.3	439.1	721.9	1073.5
50°	1853.6	1760.1	1643.5	1392.0	1005.8	652.9	400.2	147.6	400.2	652.9	1005.8
52.5°	1787.5	1699.6	1589.8	1336.4	939.4	585.8	362.3	138.8	362.3	585.8	939.4
55°	1672.0	1595.2	1499.2	1248.4	842.7	492.9	310.7	128.5	310.7	492.9	842.7
57.5°	1544.3	1478.9	1397.1	1154.7	751.9	413.1	266.1	119.2	266.1	413.1	751.9
60°	1452.5	1392.9	1318.8	1086.2	695.1	369.9	242.3	114.8	242.3	369.9	695.1
62.5°	1356.0	1301.1	1232.8	1011.9	638.3	330.3	219.2	108.2	219.2	330.3	638.3
65°	1199.5	1154.2	1097.2	898.6	558.4	280.9	191.0	101.1	191.0	280.9	558.4
67.5°	1005.6	983.5	948.1	782.0	485.4	243.8	167.6	91.3	167.6	243.8	485.4
70°	850.6	854.5	842.4	704.5	440.9	225.6	155.2	84.7	155.2	225.6	440.9
72.5°	648.7	693.5	720.2	619.7	392.1	205.7	143.0	80.4	143.0	205.7	392.1
75°	306.7	393.6	510.2	483.4	313.4	173.1	122.1	71.1	122.1	173.1	313.4
77.5°	235.6	281.3	343.0	322.7	220.5	134.2	96.1	57.9	96.1	134.2	220.5
80°	191.6	193.1	195.6	179.2	143.9	109.9	79.6	49.2	79.6	109.9	143.9
82.5°	140.6	139.2	136.8	125.7	106.0	85.6	63.0	40.4	63.0	85.6	106.0
85°	45.9	53.7	63.5	65.3	59.2	51.3	38.0	24.6	38.0	51.3	59.2
87.5°	14.1	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	18.5	17.3	15.9	13.1	13.1	12.9	8.2	14.1	20.1	28.9
95°	17.1	17.1	20.1	25.3	37.2	37.9	25.3	23.1	32.7	46.1	58.0
97.5°	46.3	55.1	67.6	69.9	66.2	49.4	47.3	44.1	60.0	73.2	92.4
100°	85.6	96.7	105.7	87.8	69.2	68.5	64.0	62.5	79.6	92.3	110.9
102.5°	133.8	137.2	106.3	96.1	91.8	88.7	81.9	81.0	98.1	115.5	131.1
105°	145.1	130.2	131.0	131.0	128.0	122.0	109.4	108.6	128.0	148.1	167.4
107.5°	170.7	172.9	176.8	175.9	172.5	156.6	141.7	138.3	155.7	179.8	201.1
110°	204.6	206.9	208.3	206.9	201.7	181.6	163.7	158.5	174.1	199.4	222.5



TEST NUMBER: P1435950

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	237.4	239.0	242.3	237.8	229.0	206.0	185.7	178.1	193.8	219.7	243.3
115°	289.5	289.5	290.2	288.0	270.1	246.3	219.5	208.3	221.7	245.6	271.6
117.5°	340.6	341.5	338.6	332.6	311.9	284.2	254.2	236.3	246.9	272.0	298.8
120°	372.8	374.3	371.3	362.4	342.3	311.0	276.8	256.0	264.2	288.7	315.5
122.5°	406.1	405.8	402.3	392.1	368.5	336.0	302.4	276.8	280.2	303.0	329.2
125°	452.4	451.7	448.7	436.8	412.2	378.7	339.3	308.1	303.6	322.9	349.7
127.5°	496.5	494.8	490.2	475.8	450.6	418.3	375.0	339.6	329.6	341.8	366.4
130°	526.8	524.6	516.4	500.8	476.2	445.7	401.8	361.6	347.5	354.9	376.5
132.5°	556.0	549.6	542.6	525.8	503.0	471.3	426.8	384.8	365.4	368.6	385.4
135°	593.0	587.1	578.2	561.8	540.2	509.0	464.3	418.9	392.1	389.2	398.8
137.5°	625.6	619.4	609.3	595.1	573.4	545.6	502.7	454.8	421.0	411.0	414.8
140°	645.9	638.4	629.5	615.4	596.0	567.0	525.3	479.2	441.2	427.1	424.9
142.5°	662.5	656.9	647.4	634.4	617.5	588.4	548.0	502.4	462.1	443.8	438.6
145°	687.5	683.1	672.7	660.8	646.6	617.6	580.4	535.0	494.8	471.0	459.9
147.5°	708.7	705.1	696.9	682.9	671.0	643.2	609.3	569.1	527.9	498.4	484.0
150°	721.8	718.8	710.6	697.2	685.3	659.3	626.5	589.3	549.9	518.6	500.0
152.5°	734.3	731.3	721.9	708.5	698.4	674.2	644.4	609.0	568.9	537.7	518.5
155°	750.8	747.1	738.1	725.5	716.6	694.2	666.7	635.5	601.2	568.5	546.9
157.5°	763.9	759.3	750.9	740.1	730.6	710.0	686.1	659.1	629.2	598.0	575.9
160°	771.6	766.4	757.5	747.8	738.9	719.5	698.0	673.4	645.9	617.6	593.8
162.5°	777.0	772.4	761.7	753.2	745.4	727.9	707.5	685.3	660.8	636.1	614.0
165°	782.8	777.6	766.4	759.7	753.0	738.1	720.3	702.4	681.6	661.5	643.6
167.5°	783.2	778.9	767.8	761.2	756.3	743.5	729.1	715.4	699.2	683.4	668.5
170°	782.0	778.3	767.2	761.2	757.5	747.1	734.4	722.5	709.9	696.5	684.6
172.5°	777.9	774.2	763.6	758.8	756.9	747.7	737.4	728.5	717.6	707.8	698.3
175°	767.2	764.2	755.3	752.3	753.0	747.1	739.6	734.4	727.7	721.8	716.6
177.5°	751.5	749.8	743.2	743.2	745.6	742.0	739.6	737.3	734.3	732.5	730.7
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



TEST NUMBER: P1435950

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	608.6	621.2	634.8	646.5	652.3	658.1	652.3	646.5	634.8	621.2	608.6
5°	736.1	802.3	876.4	939.9	971.4	1003.0	971.4	939.9	876.4	802.3	736.1
7.5°	1020.6	1212.3	1411.0	1575.8	1639.0	1702.1	1639.0	1575.8	1411.0	1212.3	1020.6
10°	1304.6	1551.1	1723.6	1861.5	1895.5	1929.5	1895.5	1861.5	1723.6	1551.1	1304.6
12.5°	1489.9	1746.2	1867.2	1966.7	2001.7	2036.7	2001.7	1966.7	1867.2	1746.2	1489.9
15°	1655.0	1918.6	2017.0	2100.5	2139.4	2178.2	2139.4	2100.5	2017.0	1918.6	1655.0
17.5°	1746.3	2003.4	2100.8	2179.1	2200.3	2221.4	2200.3	2179.1	2100.8	2003.4	1746.3
20°	1799.5	2042.5	2126.3	2192.5	2205.9	2219.2	2205.9	2192.5	2126.3	2042.5	1799.5
22.5°	1838.2	2065.1	2128.5	2179.6	2194.0	2208.3	2194.0	2179.6	2128.5	2065.1	1838.2
25°	1876.4	2083.5	2123.6	2156.1	2165.8	2175.5	2165.8	2156.1	2123.6	2083.5	1876.4
27.5°	1870.2	2063.4	2089.7	2111.7	2121.2	2130.7	2121.2	2111.7	2089.7	2063.4	1870.2
30°	1853.9	2040.4	2059.8	2077.7	2091.1	2104.4	2091.1	2077.7	2059.8	2040.4	1853.9
32.5°	1828.9	2011.4	2029.9	2051.0	2079.9	2108.8	2079.9	2051.0	2029.9	2011.4	1828.9
35°	1782.2	1968.7	1997.8	2033.1	2086.5	2140.0	2086.5	2033.1	1997.8	1968.7	1782.2
37.5°	1718.0	1921.2	1982.2	2040.8	2092.3	2143.8	2092.3	2040.8	1982.2	1921.2	1718.0
40°	1671.1	1885.5	1966.9	2038.8	2082.6	2126.3	2082.6	2038.8	1966.9	1885.5	1671.1
42.5°	1617.2	1839.8	1934.8	2017.0	2060.7	2104.4	2060.7	2017.0	1934.8	1839.8	1617.2
45°	1531.7	1766.8	1878.5	1972.6	2013.9	2055.2	2013.9	1972.6	1878.5	1766.8	1531.7
47.5°	1448.1	1694.7	1813.3	1909.7	1939.8	1970.0	1939.8	1909.7	1813.3	1694.7	1448.1
50°	1392.0	1643.5	1760.1	1853.6	1877.9	1902.2	1877.9	1853.6	1760.1	1643.5	1392.0
52.5°	1336.4	1589.8	1699.6	1787.5	1809.9	1832.2	1809.9	1787.5	1699.6	1589.8	1336.4
55°	1248.4	1499.2	1595.2	1672.0	1691.4	1710.9	1691.4	1672.0	1595.2	1499.2	1248.4
57.5°	1154.7	1397.1	1478.9	1544.3	1560.1	1575.9	1560.1	1544.3	1478.9	1397.1	1154.7
60°	1086.2	1318.8	1392.9	1452.5	1468.2	1484.0	1468.2	1452.5	1392.9	1318.8	1086.2
62.5°	1011.9	1232.8	1301.1	1356.0	1370.8	1385.6	1370.8	1356.0	1301.1	1232.8	1011.9
65°	898.6	1097.2	1154.2	1199.5	1209.2	1218.9	1209.2	1199.5	1154.2	1097.2	898.6
67.5°	782.0	948.1	983.5	1005.6	987.4	969.1	987.4	1005.6	983.5	948.1	782.0
70°	704.5	842.4	854.5	850.6	798.3	746.1	798.3	850.6	854.5	842.4	704.5
72.5°	619.7	720.2	693.5	648.7	549.8	450.9	549.8	648.7	693.5	720.2	619.7
75°	483.4	510.2	393.6	306.7	309.1	311.6	309.1	306.7	393.6	510.2	483.4
77.5°	322.7	343.0	281.3	235.6	237.8	240.0	237.8	235.6	281.3	343.0	322.7
80°	179.2	195.6	193.1	191.6	192.8	194.0	192.8	191.6	193.1	195.6	179.2
82.5°	125.7	136.8	139.2	140.6	138.9	137.2	138.9	140.6	139.2	136.8	125.7
85°	65.3	63.5	53.7	45.9	43.4	41.0	43.4	45.9	53.7	63.5	65.3
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°	34.4	43.2	49.6	54.9	57.3	57.0	57.3	49.6	43.2	43.2	34.4
95°	69.2	79.6	90.0	97.5	101.9	100.5	101.9	97.5	90.0	79.6	69.2
97.5°	106.7	120.7	132.3	139.3	143.8	146.7	143.8	139.3	132.3	120.7	106.7
100°	131.7	145.1	158.5	166.7	174.1	177.1	174.1	166.7	158.5	145.1	131.7
102.5°	151.9	169.5	184.1	192.9	199.1	202.1	199.1	192.9	184.1	169.5	151.9
105°	185.3	203.9	219.5	230.7	237.4	239.6	237.4	230.7	219.5	203.9	185.3
107.5°	218.6	237.8	252.2	264.6	272.8	277.5	272.8	264.6	252.2	237.8	218.6
110°	244.8	260.4	276.1	287.2	295.4	298.4	295.4	287.2	276.1	260.4	244.8



TEST NUMBER: P1435950

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	266.8	284.2	299.9	311.0	320.4	324.6	320.4	311.0	299.9	284.2	266.8
115°	297.6	320.7	334.8	345.3	352.0	355.7	352.0	345.3	334.8	320.7	297.6
117.5°	323.2	347.3	362.8	370.9	374.0	376.7	374.0	370.9	362.8	347.3	323.2
120°	339.3	361.6	379.5	389.9	393.6	395.1	393.6	389.9	379.5	361.6	339.3
122.5°	354.2	375.3	392.6	405.4	411.5	413.0	411.5	405.4	392.6	375.3	354.2
125°	375.0	395.1	413.0	425.6	432.3	436.0	432.3	425.6	413.0	395.1	375.0
127.5°	393.2	414.9	431.3	442.7	449.3	452.3	449.3	442.7	431.3	414.9	393.2
130°	403.3	425.6	442.0	454.6	460.6	463.6	460.6	454.6	442.0	425.6	403.3
132.5°	411.0	434.6	451.5	463.0	469.5	472.5	469.5	463.0	451.5	434.6	411.0
135°	420.4	445.0	462.8	474.0	479.9	482.9	479.9	474.0	462.8	445.0	420.4
137.5°	428.6	450.9	469.5	481.3	486.6	488.6	486.6	481.3	469.5	450.9	428.6
140°	434.6	453.9	472.5	483.7	489.6	490.4	489.6	483.7	472.5	453.9	434.6
142.5°	442.3	457.5	473.7	484.9	490.8	492.1	490.8	484.9	473.7	457.5	442.3
145°	456.1	465.1	476.2	486.6	491.8	493.3	491.8	486.6	476.2	465.1	456.1
147.5°	473.5	476.4	482.2	489.0	494.1	495.1	494.1	489.0	482.2	476.4	473.5
150°	486.6	485.9	488.1	492.6	497.1	496.3	497.1	492.6	488.1	485.9	486.6
152.5°	501.5	497.2	497.1	499.1	501.2	501.1	501.2	499.1	497.1	497.2	501.5
155°	526.8	518.6	514.2	512.7	512.7	511.9	512.7	512.7	514.2	518.6	526.8
157.5°	554.6	543.2	536.5	532.9	531.9	530.2	531.9	532.9	536.5	543.2	554.6
160°	573.7	561.0	554.4	548.4	546.2	543.9	546.2	548.4	554.4	561.0	573.7
162.5°	591.6	579.5	572.2	566.9	564.6	561.2	564.6	566.9	572.2	579.5	591.6
165°	620.6	607.9	599.7	595.3	592.3	589.3	592.3	595.3	599.7	607.9	620.6
167.5°	649.6	635.8	630.4	625.3	622.5	617.2	622.5	625.3	630.4	635.8	649.6
170°	667.5	654.8	651.8	647.4	642.2	636.2	642.2	647.4	651.8	654.8	667.5
172.5°	682.9	674.4	671.5	667.0	665.4	660.6	665.4	667.0	671.5	674.4	682.9
175°	705.4	698.7	698.7	698.0	695.7	691.3	695.7	698.0	698.7	698.7	705.4
177.5°	724.2	720.6	723.0	723.0	722.4	718.2	722.4	723.0	723.0	720.6	724.2
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



TEST NUMBER: P1435950

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	568.5	568.5	568.5	568.5
2.5°	596.9	585.5	574.8	564.1
5°	677.8	625.0	588.5	552.1
7.5°	835.9	678.9	604.8	530.8
10°	983.9	717.6	614.3	511.1
12.5°	1098.3	769.6	629.4	489.2
15°	1226.2	854.5	654.1	453.7
17.5°	1329.7	950.5	683.8	417.1
20°	1397.5	1017.6	704.2	390.8
22.5°	1447.8	1067.4	717.1	366.8
25°	1502.3	1123.0	728.2	333.4
27.5°	1509.9	1135.4	718.3	301.2
30°	1500.4	1129.3	705.4	281.5
32.5°	1482.2	1115.7	689.9	264.0
35°	1438.5	1075.9	656.8	237.8
37.5°	1372.5	1013.7	614.5	215.4
40°	1323.7	967.5	584.9	202.2
42.5°	1266.9	913.6	551.3	189.1
45°	1173.4	823.2	497.7	172.2
47.5°	1073.5	721.9	439.1	156.3
50°	1005.8	652.9	400.2	147.6
52.5°	939.4	585.8	362.3	138.8
55°	842.7	492.9	310.7	128.5
57.5°	751.9	413.1	266.1	119.2
60°	695.1	369.9	242.3	114.8
62.5°	638.3	330.3	219.2	108.2
65°	558.4	280.9	191.0	101.1
67.5°	485.4	243.8	167.6	91.3
70°	440.9	225.6	155.2	84.7
72.5°	392.1	205.7	143.0	80.4
75°	313.4	173.1	122.1	71.1
77.5°	220.5	134.2	96.1	57.9
80°	143.9	109.9	79.6	49.2
82.5°	106.0	85.6	63.0	40.4
85°	59.2	51.3	38.0	24.6
87.5°	19.4	20.1	14.6	9.2
90°	13.4	8.2	5.2	2.2
92.5°	28.9	20.1	14.1	8.2
95°	58.0	46.1	32.7	23.1
97.5°	92.4	73.2	60.0	44.1
100°	110.9	92.3	79.6	62.5
102.5°	131.1	115.5	98.1	81.0
105°	167.4	148.1	128.0	108.6
107.5°	201.1	179.8	155.7	138.3
110°	222.5	199.4	174.1	158.5

TEST NUMBER: P1435950

CATALOG NUMBER: SQ2W-FB-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	243.3	219.7	193.8	178.1
115°	271.6	245.6	221.7	208.3
117.5°	298.8	272.0	246.9	236.3
120°	315.5	288.7	264.2	256.0
122.5°	329.2	303.0	280.2	276.8
125°	349.7	322.9	303.6	308.1
127.5°	366.4	341.8	329.6	339.6
130°	376.5	354.9	347.5	361.6
132.5°	385.4	368.6	365.4	384.8
135°	398.8	389.2	392.1	418.9
137.5°	414.8	411.0	421.0	454.8
140°	424.9	427.1	441.2	479.2
142.5°	438.6	443.8	462.1	502.4
145°	459.9	471.0	494.8	535.0
147.5°	484.0	498.4	527.9	569.1
150°	500.0	518.6	549.9	589.3
152.5°	518.5	537.7	568.9	609.0
155°	546.9	568.5	601.2	635.5
157.5°	575.9	598.0	629.2	659.1
160°	593.8	617.6	645.9	673.4
162.5°	614.0	636.1	660.8	685.3
165°	643.6	661.5	681.6	702.4
167.5°	668.5	683.4	699.2	715.4
170°	684.6	696.5	709.9	722.5
172.5°	698.3	707.8	717.6	728.5
175°	716.6	721.8	727.7	734.4
177.5°	730.7	732.5	734.3	737.3
180°	736.7	736.7	736.7	736.7



TEST NUMBER: P1435950
 CATALOG NUMBER: SQ2W-FB-K-050U-125D-L835-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	17.61	18.52	25.30	26.45	26.03	27.20	28.11
	3H	16.66	17.70	17.41	18.46	19.40	26.93	27.96	27.67	28.73	29.67
	4H	17.07	18.05	17.84	18.83	19.78	27.12	28.09	27.88	28.87	29.82
	6H	17.34	18.24	18.12	19.03	20.00	27.21	28.11	27.98	28.89	29.86
	8H	17.44	18.30	18.23	19.11	20.08	27.23	28.09	28.02	28.90	29.87
	12H	17.50	18.32	18.30	19.12	20.12	27.22	28.04	28.01	28.84	29.84
4H	2H	20.46	21.43	21.22	22.21	23.16	25.70	26.67	26.47	27.45	28.40
	3H	21.61	22.43	22.39	23.24	24.21	27.61	28.43	28.40	29.24	30.21
	4H	21.91	22.65	22.70	23.46	24.46	27.85	28.59	28.65	29.40	30.40
	6H	22.06	22.70	22.87	23.54	24.54	28.00	28.64	28.81	29.47	30.48
	8H	22.11	22.70	22.92	23.54	24.55	28.05	28.65	28.87	29.48	30.50
	12H	22.12	22.66	22.96	23.52	24.54	28.05	28.58	28.88	29.44	30.46
8H	4H	23.12	23.72	23.94	24.56	25.57	27.96	28.56	28.78	29.39	30.41
	6H	23.40	23.89	24.24	24.77	25.78	28.17	28.67	29.02	29.54	30.56
	8H	23.50	23.94	24.36	24.81	25.84	28.27	28.71	29.13	29.58	30.61
	12H	23.55	23.94	24.42	24.80	25.89	28.29	28.67	29.15	29.54	30.63
12H	4H	23.16	23.70	24.00	24.56	25.58	27.93	28.47	28.77	29.32	30.35
	6H	23.51	23.95	24.37	24.82	25.85	28.16	28.60	29.02	29.47	30.51
	8H	23.66	24.04	24.52	24.91	26.00	28.28	28.66	29.14	29.52	30.61