

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: P1435776

Luminaire Tested: SQ2W-FA-K-050U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2024
Report Number: P1435776
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-L835-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

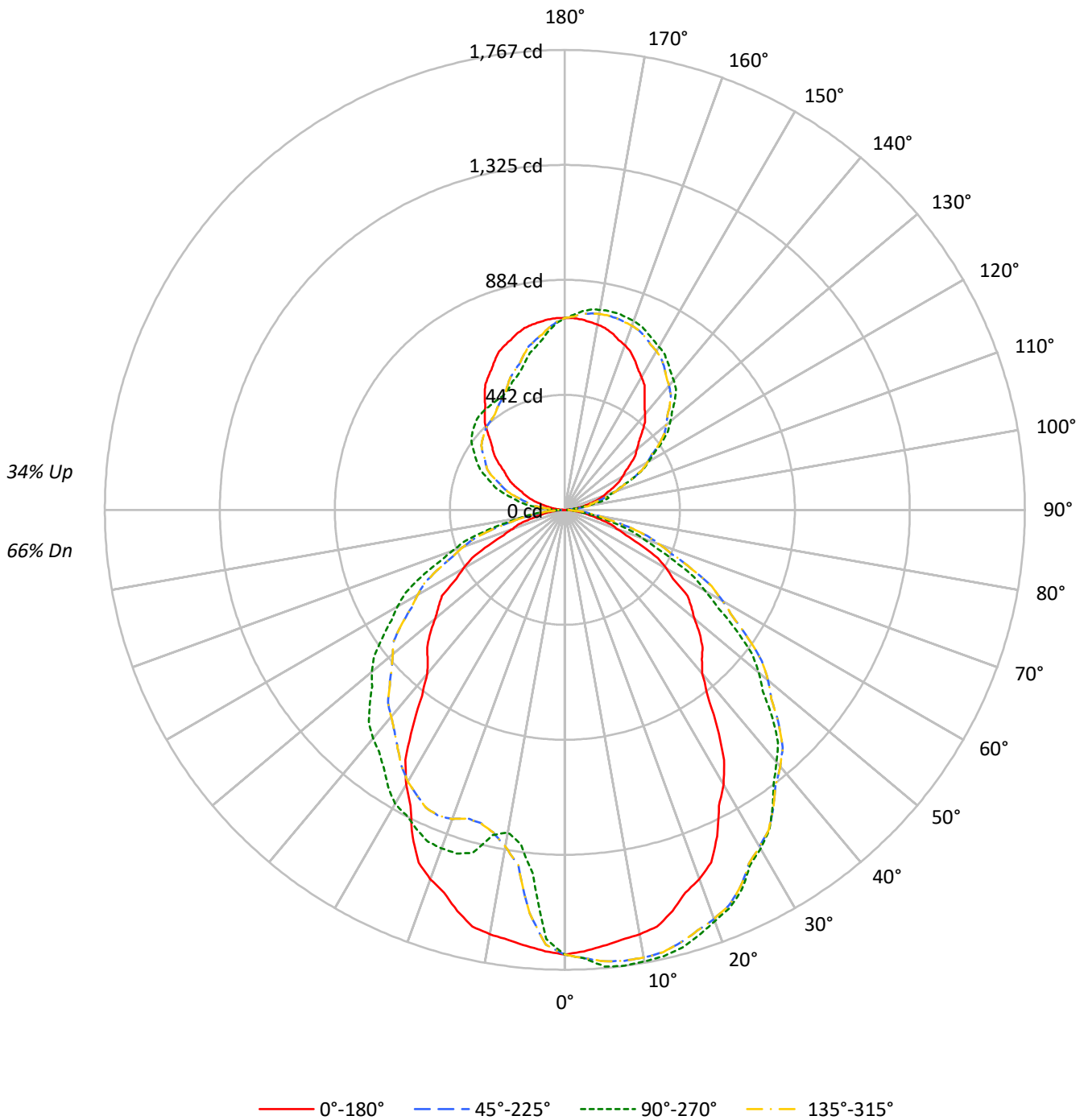
Lumens per Lamp: N/A
Luminaire Lumens: 6397.0 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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

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CATALOG NUMBER: SQ2W-FA-K-050U-100D-L835-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	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°	27586	27586	27586	27586
5°	27262	28549	27262	22753
10°	27143	28879	27143	20628
15°	26677	29113	26677	22803
20°	25943	28901	25943	23781
25°	24657	28667	24657	24068
30°	22717	28026	22717	24322
35°	20100	27411	20100	23887
40°	17308	26660	17308	24147
45°	17086	25706	17086	24194
50°	16302	24452	16302	24287
55°	16217	22556	16217	24048
60°	14541	20101	14541	23950
65°	12397	17711	12397	23277
70°	10003	15007	10003	21569
75°	8677	12395	8677	19831
80°	7392	9233	7392	16011
85°	4909	4909	4909	9818

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 26512 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	2.4
10°-20°	429.6	6.7
20°-30°	652.3	10.2
30°-40°	765.9	12.0
40°-50°	777.2	12.1
50°-60°	680.8	10.6
60°-70°	482.9	7.5
70°-80°	248.6	3.9
80°-90°	55.2	0.9
90°-100°	58.6	0.9
100°-110°	171.0	2.7
110°-120°	279.0	4.4
120°-130°	354.0	5.5
130°-140°	378.8	5.9
140°-150°	353.8	5.5
150°-160°	291.1	4.6
160°-170°	195.2	3.1
170°-180°	69.3	1.1
0°-30°	1235.6	19.3
0°-40°	2001.5	31.3
0°-60°	3459.5	54.1
0°-90°	4246.1	66.4
90°-120°	508.6	8.0
90°-150°	1595.3	24.9
90°-180°	2151.0	33.6
0°-180°	6397.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1709	1709	1709	1709	1709	
5°	1682	1762	1682	1404	1682	160
15°	1596	1742	1596	1364	1596	448
25°	1384	1609	1384	1351	1384	632
35°	1020	1391	1020	1212	1020	635
45°	748	1126	748	1060	748	572
55°	576	801	576	854	576	498
65°	324	464	324	609	324	324
75°	139	199	139	318	139	150
85°	26	26	26	53	26	33
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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6
2.5°	1698.0	1709.7	1721.5	1724.5	1724.5	1724.5	1724.5	1724.5	1724.5	1724.5	1724.5
5°	1682.1	1702.7	1723.3	1732.8	1738.7	1743.1	1746.1	1749.8	1755.7	1761.5	1755.7
7.5°	1666.2	1693.8	1721.5	1735.1	1743.9	1750.9	1756.2	1761.0	1763.9	1766.8	1763.9
10°	1655.6	1688.0	1720.3	1735.1	1743.9	1749.8	1752.7	1755.7	1758.6	1761.5	1758.6
12.5°	1639.7	1674.4	1709.2	1726.2	1737.4	1744.5	1747.4	1750.4	1753.3	1756.2	1753.3
15°	1596.0	1643.1	1690.2	1708.6	1717.4	1724.8	1730.6	1735.8	1738.7	1741.7	1738.7
17.5°	1541.7	1598.8	1655.9	1679.0	1690.8	1699.3	1704.6	1709.2	1711.5	1713.9	1711.5
20°	1509.9	1571.7	1633.5	1657.8	1669.6	1676.9	1679.9	1682.1	1682.1	1682.1	1682.1
22.5°	1467.5	1536.4	1605.3	1631.3	1643.1	1649.3	1649.8	1650.9	1653.2	1655.6	1653.2
25°	1384.1	1463.5	1543.0	1576.1	1593.8	1601.1	1598.2	1597.5	1603.3	1609.2	1603.3
27.5°	1282.1	1382.2	1482.2	1516.1	1527.8	1535.2	1538.1	1540.4	1540.4	1540.4	1540.4
30°	1218.5	1330.4	1442.2	1479.0	1490.8	1498.1	1501.1	1503.3	1503.3	1503.3	1503.3
32.5°	1139.0	1272.1	1405.1	1445.4	1454.9	1459.9	1460.4	1460.9	1460.9	1460.9	1460.9
35°	1019.8	1181.7	1343.6	1388.5	1394.4	1397.3	1397.3	1396.6	1393.6	1390.7	1393.6
37.5°	900.6	1084.3	1268.0	1320.5	1329.3	1331.7	1327.6	1323.7	1320.8	1317.8	1320.8
40°	821.2	1021.3	1221.5	1278.1	1286.9	1286.9	1278.1	1270.8	1267.8	1264.9	1267.8
42.5°	778.8	976.6	1174.4	1230.4	1239.3	1238.1	1226.9	1217.8	1214.8	1211.9	1214.8
45°	748.3	924.9	1101.5	1152.3	1161.1	1159.6	1147.9	1137.6	1131.7	1125.8	1131.7
47.5°	702.0	857.4	1012.8	1062.7	1077.4	1075.9	1058.2	1043.5	1037.6	1031.8	1037.6
50°	649.0	802.0	955.1	1004.4	1019.1	1017.6	1000.0	985.3	979.4	973.5	979.4
52.5°	611.9	755.5	899.2	944.3	956.7	952.9	932.9	916.4	910.5	904.6	910.5
55°	576.1	696.8	817.5	854.3	863.1	857.2	836.6	819.0	810.1	801.3	810.1
57.5°	492.7	607.5	722.3	758.0	767.5	760.4	736.8	716.7	706.7	696.7	706.7
60°	450.3	553.3	656.3	690.9	702.7	696.8	673.3	651.9	637.2	622.5	637.2
62.5°	402.6	493.9	585.1	620.3	636.8	633.2	609.7	588.4	573.6	558.9	573.6
65°	324.5	404.0	483.4	518.7	539.4	537.9	514.3	493.0	478.3	463.6	478.3
67.5°	254.3	322.6	390.9	425.6	449.1	448.0	422.1	399.7	387.9	376.1	387.9
70°	211.9	270.8	329.6	362.0	385.6	385.6	362.0	341.4	329.6	317.9	329.6
72.5°	185.4	230.2	274.9	305.5	331.4	331.4	305.5	283.7	274.3	264.9	274.3
75°	139.1	165.6	192.0	220.7	250.2	253.1	229.6	210.4	204.6	198.7	204.6
77.5°	100.7	113.0	125.4	147.9	173.8	176.7	156.7	141.1	138.8	136.4	138.8
80°	79.5	82.4	85.4	103.7	127.3	130.2	112.6	99.3	99.3	99.3	99.3
82.5°	53.0	55.9	58.9	72.0	88.4	90.2	77.3	67.0	64.6	62.2	64.6
85°	26.5	26.5	26.5	30.9	36.8	36.8	30.9	26.5	26.5	26.5	26.5
87.5°	5.7	6.3	7.1	9.4	12.2	12.4	10.0	8.4	8.6	8.6	8.6
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



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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



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6
2.5°	1724.5	1724.5	1724.5	1724.5	1724.5	1721.5	1709.7	1698.0	1698.0	1698.0	1689.1
5°	1749.8	1746.1	1743.1	1738.7	1732.8	1723.3	1702.7	1682.1	1673.2	1664.4	1626.9
7.5°	1761.0	1756.2	1750.9	1743.9	1735.1	1721.5	1693.8	1666.2	1626.7	1587.3	1503.7
10°	1755.7	1752.7	1749.8	1743.9	1735.1	1720.3	1688.0	1655.6	1576.1	1496.6	1417.2
12.5°	1750.4	1747.4	1744.5	1737.4	1726.2	1709.2	1674.4	1639.7	1527.3	1414.8	1343.0
15°	1735.8	1730.6	1724.8	1717.4	1708.6	1690.2	1643.1	1596.0	1469.4	1342.9	1282.5
17.5°	1709.2	1704.6	1699.3	1690.8	1679.0	1655.9	1598.8	1541.7	1409.2	1276.8	1237.9
20°	1682.1	1679.9	1676.9	1669.6	1657.8	1633.5	1571.7	1509.9	1377.4	1245.0	1227.3
22.5°	1650.9	1649.8	1649.3	1643.1	1631.3	1605.3	1536.4	1467.5	1337.4	1207.3	1207.9
25°	1597.5	1598.2	1601.1	1593.8	1576.1	1543.0	1463.5	1384.1	1269.3	1154.5	1174.4
27.5°	1540.4	1538.1	1535.2	1527.8	1516.1	1482.2	1382.2	1282.1	1191.4	1100.8	1133.7
30°	1503.3	1501.1	1498.1	1490.8	1479.0	1442.2	1330.4	1218.5	1142.0	1065.5	1103.7
32.5°	1460.9	1460.4	1459.9	1454.9	1445.4	1405.1	1272.1	1139.0	1083.7	1028.4	1068.4
35°	1396.6	1397.3	1397.3	1394.4	1388.5	1343.6	1181.7	1019.8	996.3	972.7	1019.8
37.5°	1323.7	1327.6	1331.7	1329.3	1320.5	1268.0	1084.3	900.6	908.3	915.9	973.0
40°	1270.8	1278.1	1286.9	1286.9	1278.1	1221.5	1021.3	821.2	847.7	874.1	936.0
42.5°	1217.8	1226.9	1238.1	1239.3	1230.4	1174.4	976.6	778.8	807.6	836.5	900.6
45°	1137.6	1147.9	1159.6	1161.1	1152.3	1101.5	924.9	748.3	766.0	783.6	845.5
47.5°	1043.5	1058.2	1075.9	1077.4	1062.7	1012.8	857.4	702.0	714.9	727.9	791.1
50°	985.3	1000.0	1017.6	1019.1	1004.4	955.1	802.0	649.0	666.6	684.3	750.5
52.5°	916.4	932.9	952.9	956.7	944.3	899.2	755.5	611.9	622.5	633.1	704.6
55°	819.0	836.6	857.2	863.1	854.3	817.5	696.8	576.1	567.3	558.5	631.3
57.5°	716.7	736.8	760.4	767.5	758.0	722.3	607.5	492.7	485.0	477.4	556.3
60°	651.9	673.3	696.8	702.7	690.9	656.3	553.3	450.3	435.6	420.9	503.3
62.5°	588.4	609.7	633.2	636.8	620.3	585.1	493.9	402.6	392.6	382.6	462.7
65°	493.0	514.3	537.9	539.4	518.7	483.4	404.0	324.5	330.4	336.3	408.4
67.5°	399.7	422.1	448.0	449.1	425.6	390.9	322.6	254.3	273.7	293.1	358.0
70°	341.4	362.0	385.6	385.6	362.0	329.6	270.8	211.9	238.4	264.9	324.5
72.5°	283.7	305.5	331.4	331.4	305.5	274.9	230.2	185.4	211.9	238.4	287.4
75°	210.4	229.6	253.1	250.2	220.7	192.0	165.6	139.1	165.6	192.0	229.6
77.5°	141.1	156.7	176.7	173.8	147.9	125.4	113.0	100.7	122.4	144.2	170.4
80°	99.3	112.6	130.2	127.3	103.7	85.4	82.4	79.5	94.2	108.9	128.0
82.5°	67.0	77.3	90.2	88.4	72.0	58.9	55.9	53.0	65.3	77.7	90.9
85°	26.5	30.9	36.8	36.8	30.9	26.5	26.5	26.5	32.4	38.3	44.1
87.5°	8.4	10.0	12.4	12.2	9.4	7.1	6.3	5.7	8.7	11.6	13.3
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: P1435776

CATALOG NUMBER: SQ2W-FA-K-050U-100D-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: P1435776

CATALOG NUMBER: SQ2W-FA-K-050U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6
2.5°	1677.4	1667.9	1660.9	1655.0	1652.6	1650.3	1652.6	1655.0	1660.9	1667.9	1677.4
5°	1579.8	1529.8	1476.8	1433.4	1418.7	1403.9	1418.7	1433.4	1476.8	1529.8	1579.8
7.5°	1405.4	1345.1	1322.7	1304.7	1300.0	1295.3	1300.0	1304.7	1322.7	1345.1	1405.4
10°	1337.7	1289.1	1271.5	1258.2	1258.2	1258.2	1258.2	1258.2	1271.5	1289.1	1337.7
12.5°	1284.7	1255.0	1253.8	1255.9	1267.7	1279.4	1267.7	1255.9	1253.8	1255.0	1284.7
15°	1244.3	1248.7	1295.8	1334.8	1349.5	1364.2	1349.5	1334.8	1295.8	1248.7	1244.3
17.5°	1230.3	1255.6	1313.9	1360.5	1372.3	1384.1	1372.3	1360.5	1313.9	1255.6	1230.3
20°	1247.9	1280.3	1324.5	1360.5	1372.3	1384.1	1372.3	1360.5	1324.5	1280.3	1247.9
22.5°	1252.1	1291.5	1326.2	1355.2	1367.0	1378.8	1367.0	1355.2	1326.2	1291.5	1252.1
25°	1239.1	1286.2	1315.6	1339.2	1345.1	1351.0	1345.1	1339.2	1315.6	1286.2	1239.1
27.5°	1207.9	1259.7	1289.1	1312.3	1316.4	1320.5	1316.4	1312.3	1289.1	1259.7	1207.9
30°	1180.2	1233.2	1262.7	1286.9	1295.8	1304.6	1295.8	1286.9	1262.7	1233.2	1180.2
32.5°	1140.2	1194.4	1230.9	1258.7	1260.5	1262.2	1260.5	1258.7	1230.9	1194.4	1140.2
35°	1090.5	1146.4	1187.6	1217.8	1214.8	1211.9	1214.8	1217.8	1187.6	1146.4	1090.5
37.5°	1046.6	1101.4	1137.3	1165.1	1168.6	1172.2	1168.6	1165.1	1137.3	1101.4	1046.6
40°	1009.5	1065.5	1103.7	1133.9	1139.8	1145.7	1139.8	1133.9	1103.7	1065.5	1009.5
42.5°	976.6	1033.7	1071.9	1102.1	1108.0	1113.9	1108.0	1102.1	1071.9	1033.7	976.6
45°	922.0	980.8	1022.0	1053.7	1056.6	1059.6	1056.6	1053.7	1022.0	980.8	922.0
47.5°	871.2	930.4	968.6	998.1	1001.0	1003.9	1001.0	998.1	968.6	930.4	871.2
50°	832.9	893.3	931.5	961.0	963.9	966.9	963.9	961.0	931.5	893.3	832.9
52.5°	796.4	859.1	892.7	918.6	921.5	924.5	921.5	918.6	892.7	859.1	796.4
55°	731.4	797.6	830.0	854.3	854.3	854.3	854.3	830.0	797.6	731.4	731.4
57.5°	664.0	732.0	760.2	782.3	785.9	789.4	785.9	782.3	760.2	732.0	664.0
60°	618.1	687.3	710.8	729.9	735.8	741.7	735.8	729.9	710.8	687.3	618.1
62.5°	572.8	639.6	663.1	681.7	685.2	688.7	685.2	681.7	663.1	639.6	572.8
65°	502.6	561.4	585.0	603.4	606.3	609.3	606.3	603.4	585.0	561.4	502.6
67.5°	438.1	486.4	502.9	515.8	518.2	520.5	518.2	515.8	502.9	486.4	438.1
70°	395.1	436.3	448.1	456.9	456.9	456.9	456.9	448.1	436.3	395.1	395.1
72.5°	343.9	378.1	389.8	399.3	401.6	404.0	401.6	399.3	389.8	378.1	343.9
75°	270.8	295.8	304.6	312.0	314.9	317.9	314.9	312.0	304.6	295.8	270.8
77.5°	198.1	214.6	219.9	224.6	227.5	230.5	227.5	224.6	219.9	214.6	198.1
80°	148.6	160.4	163.4	166.3	169.2	172.2	169.2	166.3	163.4	160.4	148.6
82.5°	104.5	112.7	115.7	118.0	118.6	119.2	118.6	118.0	115.7	112.7	104.5
85°	50.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	50.0
87.5°	14.0	15.1	16.1	16.7	17.3	17.0	17.3	16.7	16.1	15.1	14.0
90°	17.1	22.3	27.5	30.5	33.5	32.0	33.5	30.5	22.3	17.1	17.1
92.5°	34.4	43.2	49.6	54.9	57.3	57.0	57.3	49.6	43.2	34.4	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: P1435776

CATALOG NUMBER: SQ2W-FA-K-050U-100D-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: P1435776

CATALOG NUMBER: SQ2W-FA-K-050U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1708.6	1708.6	1708.6	1708.6
2.5°	1689.1	1698.0	1698.0	1698.0
5°	1626.9	1664.4	1673.2	1682.1
7.5°	1503.7	1587.3	1626.7	1666.2
10°	1417.2	1496.6	1576.1	1655.6
12.5°	1343.0	1414.8	1527.3	1639.7
15°	1282.5	1342.9	1469.4	1596.0
17.5°	1237.9	1276.8	1409.2	1541.7
20°	1227.3	1245.0	1377.4	1509.9
22.5°	1207.9	1207.3	1337.4	1467.5
25°	1174.4	1154.5	1269.3	1384.1
27.5°	1133.7	1100.8	1191.4	1282.1
30°	1103.7	1065.5	1142.0	1218.5
32.5°	1068.4	1028.4	1083.7	1139.0
35°	1019.8	972.7	996.3	1019.8
37.5°	973.0	915.9	908.3	900.6
40°	936.0	874.1	847.7	821.2
42.5°	900.6	836.5	807.6	778.8
45°	845.5	783.6	766.0	748.3
47.5°	791.1	727.9	714.9	702.0
50°	750.5	684.3	666.6	649.0
52.5°	704.6	633.1	622.5	611.9
55°	631.3	558.5	567.3	576.1
57.5°	556.3	477.4	485.0	492.7
60°	503.3	420.9	435.6	450.3
62.5°	462.7	382.6	392.6	402.6
65°	408.4	336.3	330.4	324.5
67.5°	358.0	293.1	273.7	254.3
70°	324.5	264.9	238.4	211.9
72.5°	287.4	238.4	211.9	185.4
75°	229.6	192.0	165.6	139.1
77.5°	170.4	144.2	122.4	100.7
80°	128.0	108.9	94.2	79.5
82.5°	90.9	77.7	65.3	53.0
85°	44.1	38.3	32.4	26.5
87.5°	13.3	11.6	8.7	5.7
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: P1435776

CATALOG NUMBER: SQ2W-FA-K-050U-100D-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: P1435776
 CATALOG NUMBER: SQ2W-FA-K-050U-100D-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	19.29	20.32	20.10	21.15	22.16	20.49	21.52	21.30	22.35	23.36
	3H	20.39	21.32	21.21	22.15	23.20	21.75	22.67	22.56	23.51	24.55
	4H	20.75	21.63	21.59	22.47	23.52	22.15	23.02	22.98	23.86	24.92
	6H	20.93	21.73	21.77	22.58	23.65	22.32	23.12	23.16	23.97	25.04
	8H	20.96	21.73	21.82	22.60	23.67	22.34	23.11	23.20	23.98	25.05
	12H	20.97	21.69	21.83	22.56	23.65	22.34	23.06	23.20	23.93	25.02
4H	2H	20.18	21.05	21.02	21.90	22.95	21.10	21.97	21.93	22.81	23.87
	3H	21.59	22.31	22.44	23.19	24.26	22.58	23.30	23.43	24.18	25.25
	4H	22.05	22.71	22.91	23.58	24.68	23.06	23.72	23.92	24.59	25.69
	6H	22.29	22.86	23.17	23.75	24.86	23.29	23.86	24.17	24.76	25.86
	8H	22.35	22.88	23.23	23.77	24.89	23.34	23.87	24.22	24.77	25.88
	12H	22.36	22.84	23.26	23.75	24.87	23.34	23.82	24.24	24.73	25.85
8H	4H	22.44	22.98	23.33	23.87	24.98	23.27	23.80	24.15	24.69	25.81
	6H	22.80	23.24	23.71	24.18	25.29	23.59	24.03	24.50	24.96	26.08
	8H	22.92	23.31	23.84	24.24	25.37	23.69	24.08	24.61	25.00	26.13
	12H	22.97	23.31	23.89	24.23	25.41	23.71	24.05	24.63	24.97	26.15
12H	4H	22.46	22.94	23.36	23.85	24.97	23.24	23.72	24.15	24.63	25.76
	6H	22.87	23.26	23.79	24.19	25.32	23.61	24.00	24.53	24.92	26.06
	8H	23.03	23.37	23.95	24.29	25.47	23.73	24.07	24.65	24.99	26.18