

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: P1436034

Luminaire Tested: SQ2W-FB-K-150U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436034
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-150U-075D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

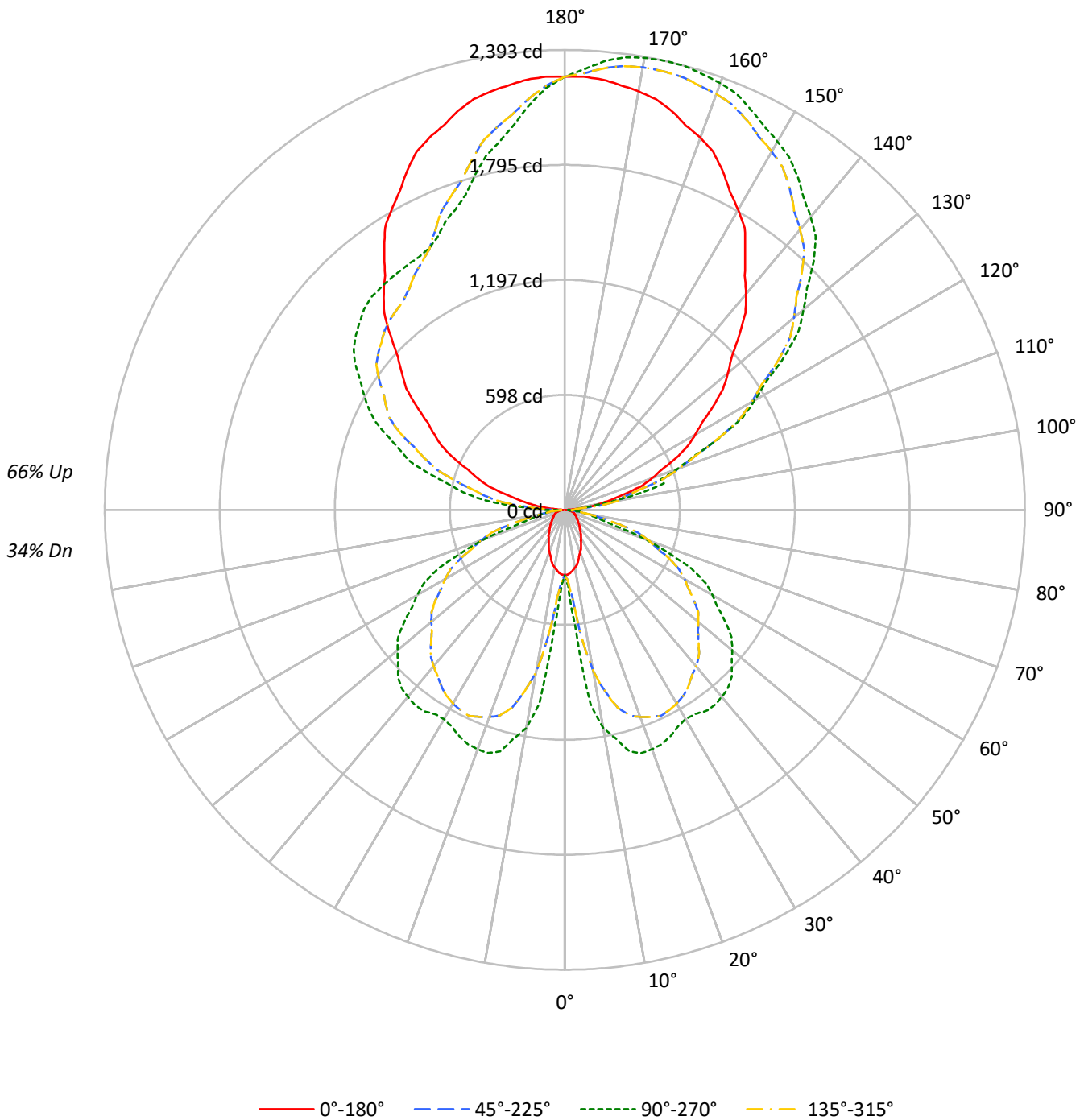
Lumens per Lamp: N/A
Luminaire Lumens: 9943.0 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 81.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	63	61	50	48	47	36	35	35	28
2	85	78	72	67	77	71	65	61	56	53	50	44	41	39	32	30	29	23
3	78	68	61	55	70	62	56	51	49	45	41	38	35	33	28	26	24	19
4	71	60	52	46	63	54	48	42	44	39	35	34	30	27	24	22	20	16
5	65	53	45	39	58	48	41	36	39	34	30	30	26	23	22	19	17	14
6	59	47	39	34	53	43	36	31	35	29	25	27	23	20	20	17	15	12
7	55	43	35	29	49	39	32	27	31	26	22	24	20	18	18	15	13	10
8	51	38	31	25	45	35	28	23	28	23	19	22	18	15	16	14	12	9
9	47	35	27	22	42	32	25	21	26	21	17	20	16	14	15	12	10	8
10	44	32	25	20	39	29	23	18	23	19	15	18	15	12	14	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5483	5483	5483	5483
5°	5345	9710	5345	9710
10°	5005	18896	5005	18896
15°	4530	21748	4530	21748
20°	4010	22776	4010	22776
25°	3549	23150	3549	23150
30°	3134	23435	3134	23435
35°	2799	25195	2799	25195
40°	2546	26769	2546	26769
45°	2347	28032	2347	28032
50°	2215	28539	2215	28539
55°	2159	28768	2159	28768
60°	2215	28626	2215	28626
65°	2307	27816	2307	27816
70°	2389	21040	2389	21040
75°	2645	11609	2645	11609
80°	2734	10776	2734	10776
85°	2723	4539	2723	4539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 29026 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.9	0.6
10°-20°	259.6	2.6
20°-30°	456.8	4.6
30°-40°	591.3	5.9
40°-50°	652.1	6.6
50°-60°	608.6	6.1
60°-70°	470.2	4.7
70°-80°	216.8	2.2
80°-90°	50.8	0.5
90°-100°	179.4	1.8
100°-110°	523.0	5.3
110°-120°	853.6	8.6
120°-130°	1083.1	10.9
130°-140°	1158.9	11.7
140°-150°	1082.2	10.9
150°-160°	890.5	9.0
160°-170°	597.2	6.0
170°-180°	212.1	2.1
0°-30°	773.3	7.8
0°-40°	1364.6	13.7
0°-60°	2625.3	26.4
0°-90°	3363.0	33.8
90°-120°	1556.0	15.6
90°-150°	4880.2	49.1
90°-180°	6580.0	66.2
0°-180°	9943.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	340	340	340	340	340	
5°	330	599	330	599	330	31
15°	271	1301	271	1301	271	76
25°	199	1300	199	1300	199	91
35°	142	1278	142	1278	142	89
45°	103	1228	103	1228	103	80
55°	77	1022	77	1022	77	69
65°	60	728	60	728	60	59
75°	42	186	42	186	42	44
85°	15	24	15	24	15	15
90°	7	50	7	98	7	6
95°	71	52	71	307	71	85
105°	332	533	332	733	332	353
115°	637	883	637	1088	637	628
125°	942	1400	942	1334	942	843
135°	1282	1832	1282	1477	1282	990
145°	1637	2112	1637	1509	1637	1024
155°	1944	2294	1944	1566	1944	894
165°	2149	2392	2149	1803	2149	605
175°	2247	2342	2247	2115	2247	213
180°	2254	2254	2254	2254	2254	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6
2.5°	337.0	343.3	349.7	356.5	363.5	371.1	379.2	386.1	389.6	393.1	389.6
5°	329.8	351.5	373.3	404.9	439.7	479.2	523.5	561.4	580.3	599.1	580.3
7.5°	317.0	361.3	405.6	499.3	609.6	724.1	842.8	941.3	979.0	1016.7	979.0
10°	305.3	367.0	428.6	587.7	779.3	926.5	1029.6	1111.9	1132.2	1152.6	1132.2
12.5°	292.2	375.9	459.7	656.1	890.0	1043.1	1115.3	1174.8	1195.7	1216.5	1195.7
15°	271.0	390.7	510.4	732.5	988.6	1146.0	1204.8	1254.7	1277.9	1301.1	1277.9
17.5°	249.1	408.5	567.8	794.3	1043.1	1196.7	1254.9	1301.7	1314.3	1326.9	1314.3
20°	233.4	420.6	607.8	834.8	1074.9	1220.0	1270.1	1309.6	1317.6	1325.6	1317.6
22.5°	219.1	428.3	637.6	864.8	1098.0	1233.5	1271.4	1301.9	1310.5	1319.1	1310.5
25°	199.2	435.0	670.8	897.3	1120.8	1244.5	1268.5	1287.9	1293.7	1299.5	1293.7
27.5°	179.9	429.1	678.2	901.9	1117.1	1232.5	1248.2	1261.4	1267.0	1272.7	1267.0
30°	168.1	421.4	674.6	896.3	1107.4	1218.8	1230.4	1241.1	1249.1	1257.0	1249.1
32.5°	157.7	412.1	666.5	885.4	1092.4	1201.5	1212.5	1225.1	1242.4	1259.6	1242.4
35°	142.0	392.3	642.7	859.2	1064.6	1176.0	1193.4	1214.4	1246.3	1278.3	1246.3
37.5°	128.6	367.1	605.5	819.8	1026.2	1147.6	1184.0	1219.0	1249.8	1280.5	1249.8
40°	120.8	349.4	577.9	790.7	998.2	1126.3	1174.9	1217.9	1244.0	1270.1	1244.0
42.5°	113.0	329.3	545.7	756.7	966.0	1099.0	1155.7	1204.8	1230.9	1257.0	1230.9
45°	102.8	297.3	491.7	700.9	914.9	1055.3	1122.1	1178.3	1203.0	1227.7	1203.0
47.5°	93.4	262.3	431.2	641.3	865.0	1012.3	1083.1	1140.7	1158.7	1176.7	1158.7
50°	88.2	239.1	390.0	600.8	831.5	981.7	1051.3	1107.2	1121.7	1136.2	1121.7
52.5°	82.9	216.4	349.9	561.1	798.3	949.6	1015.2	1067.7	1081.1	1094.4	1081.1
55°	76.7	185.6	294.4	503.4	745.7	895.5	952.8	998.7	1010.3	1022.0	1010.3
57.5°	71.2	159.0	246.8	449.2	689.8	834.5	883.4	922.4	931.9	941.3	931.9
60°	68.6	144.7	220.9	415.2	648.8	787.8	832.0	867.6	877.0	886.5	877.0
62.5°	64.6	131.0	197.3	381.2	604.4	736.4	777.2	810.0	818.8	827.7	818.8
65°	60.4	114.1	167.8	333.6	536.7	655.4	689.5	716.5	722.3	728.1	722.3
67.5°	54.5	100.1	145.7	289.9	467.1	566.3	587.5	600.7	589.8	578.9	589.8
70°	50.6	92.7	134.8	263.4	420.8	503.2	510.4	508.1	476.9	445.7	476.9
72.5°	48.0	85.4	122.9	234.2	370.2	430.2	414.2	387.5	328.4	269.4	328.4
75°	42.4	72.9	103.4	187.2	288.8	304.7	235.1	183.2	184.7	186.1	184.7
77.5°	34.6	57.4	80.2	131.7	192.8	204.9	168.0	140.7	142.0	143.3	142.0
80°	29.4	47.5	65.7	86.0	107.0	116.8	115.4	114.5	115.2	115.9	115.2
82.5°	24.2	37.7	51.2	63.3	75.1	81.7	83.1	84.0	83.0	82.0	83.0
85°	14.7	22.7	30.7	35.4	39.0	37.9	32.1	27.4	25.9	24.5	25.9
87.5°	6.6	11.3	16.5	17.3	16.3	15.6	15.6	16.1	16.5	16.5	16.5
90°	6.8	15.9	27.3	36.4	43.3	45.5	45.5	47.8	50.1	50.1	50.1
92.5°	25.0	39.6	40.1	40.1	48.7	52.8	56.5	56.9	59.2	59.2	59.2
95°	70.6	77.4	116.1	113.8	77.4	61.5	52.4	52.4	52.4	52.4	52.4
97.5°	134.8	144.8	151.1	202.6	214.0	206.7	168.4	141.6	126.6	119.7	126.6
100°	191.2	195.8	209.4	211.7	268.6	323.2	295.9	261.8	250.4	243.6	250.4
102.5°	247.7	250.4	271.3	280.9	294.1	325.1	419.8	409.3	401.5	400.2	401.5
105°	332.3	334.6	373.3	391.5	400.6	400.6	398.4	443.9	516.7	532.7	516.7
107.5°	422.9	433.4	478.9	527.7	538.1	540.9	529.0	522.2	519.5	521.3	519.5
110°	484.9	500.8	555.4	616.9	632.8	637.4	632.8	626.0	621.4	621.4	621.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	545.0	568.2	630.1	700.7	727.5	741.2	731.2	726.1	721.6	725.2	721.6
115°	637.4	671.5	753.5	826.3	880.9	887.8	885.5	885.5	883.2	883.2	883.2
117.5°	723.0	777.6	869.6	954.2	1017.5	1035.7	1044.8	1042.1	1039.4	1043.9	1039.4
120°	783.1	846.8	951.5	1047.1	1108.6	1135.9	1145.0	1140.4	1145.0	1140.4	1145.0
122.5°	846.8	925.1	1028.0	1127.2	1199.6	1230.6	1241.5	1242.4	1243.3	1240.6	1243.3
125°	942.4	1038.0	1158.6	1261.1	1336.2	1372.6	1381.7	1384.0	1388.6	1399.9	1388.6
127.5°	1038.9	1147.3	1279.7	1378.5	1455.5	1499.6	1513.8	1518.8	1528.3	1533.3	1528.3
130°	1106.3	1229.2	1363.5	1456.8	1532.0	1579.8	1604.8	1611.6	1623.0	1620.7	1623.0
132.5°	1177.3	1305.7	1441.8	1538.8	1608.4	1659.9	1681.3	1700.9	1705.0	1708.2	1705.0
135°	1281.6	1420.4	1557.0	1652.6	1718.6	1768.7	1796.0	1814.2	1825.6	1832.4	1825.6
137.5°	1391.3	1537.9	1669.0	1754.1	1820.6	1863.9	1894.8	1913.9	1925.8	1931.2	1925.8
140°	1466.0	1607.1	1734.6	1823.3	1882.5	1925.8	1953.1	1975.8	1989.5	1989.5	1989.5
142.5°	1537.0	1676.3	1800.1	1888.9	1940.8	1980.4	2009.5	2026.8	2042.3	2042.3	2042.3
145°	1636.7	1775.5	1889.3	1978.1	2021.4	2057.8	2089.7	2103.3	2112.4	2112.4	2112.4
147.5°	1740.9	1863.9	1967.7	2052.8	2089.2	2132.0	2157.0	2168.0	2179.4	2174.3	2179.4
150°	1802.8	1916.7	2016.8	2096.5	2132.9	2173.9	2198.9	2208.0	2219.4	2212.6	2219.4
152.5°	1862.9	1971.3	2062.3	2136.6	2167.5	2208.5	2237.2	2246.3	2254.0	2249.0	2254.0
155°	1944.0	2039.6	2123.8	2192.1	2219.4	2258.1	2285.4	2296.8	2305.9	2294.5	2305.9
157.5°	2016.4	2098.8	2172.1	2234.9	2264.0	2297.3	2322.8	2336.9	2346.0	2341.0	2346.0
160°	2060.1	2135.2	2201.2	2260.4	2287.7	2317.3	2344.6	2360.5	2369.7	2362.8	2369.7
162.5°	2096.5	2164.3	2226.7	2280.4	2304.1	2330.0	2362.8	2376.9	2386.0	2377.4	2386.0
165°	2148.8	2203.5	2258.1	2303.6	2324.1	2344.6	2378.8	2394.7	2401.5	2392.4	2401.5
167.5°	2188.5	2230.3	2274.5	2313.7	2328.7	2348.7	2382.9	2396.1	2404.7	2393.3	2404.7
170°	2210.3	2246.7	2285.4	2317.3	2328.7	2346.9	2381.0	2392.4	2399.2	2387.9	2399.2
172.5°	2228.5	2255.8	2287.2	2315.5	2321.4	2336.0	2368.3	2379.7	2384.7	2375.1	2384.7
175°	2246.7	2262.7	2285.4	2303.6	2301.4	2310.5	2337.8	2346.9	2356.0	2342.3	2356.0
177.5°	2255.4	2262.7	2269.9	2280.9	2273.6	2273.6	2293.6	2299.1	2300.9	2293.6	2300.9
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6
2.5°	386.1	379.2	371.1	363.5	356.5	349.7	343.3	337.0	343.3	349.7	356.5
5°	561.4	523.5	479.2	439.7	404.9	373.3	351.5	329.8	351.5	373.3	404.9
7.5°	941.3	842.8	724.1	609.6	499.3	405.6	361.3	317.0	361.3	405.6	499.3
10°	1111.9	1029.6	926.5	779.3	587.7	428.6	367.0	305.3	367.0	428.6	587.7
12.5°	1174.8	1115.3	1043.1	890.0	656.1	459.7	375.9	292.2	375.9	459.7	656.1
15°	1254.7	1204.8	1146.0	988.6	732.5	510.4	390.7	271.0	390.7	510.4	732.5
17.5°	1301.7	1254.9	1196.7	1043.1	794.3	567.8	408.5	249.1	408.5	567.8	794.3
20°	1309.6	1270.1	1220.0	1074.9	834.8	607.8	420.6	233.4	420.6	607.8	834.8
22.5°	1301.9	1271.4	1233.5	1098.0	864.8	637.6	428.3	219.1	428.3	637.6	864.8
25°	1287.9	1268.5	1244.5	1120.8	897.3	670.8	435.0	199.2	435.0	670.8	897.3
27.5°	1261.4	1248.2	1232.5	1117.1	901.9	678.2	429.1	179.9	429.1	678.2	901.9
30°	1241.1	1230.4	1218.8	1107.4	896.3	674.6	421.4	168.1	421.4	674.6	896.3
32.5°	1225.1	1212.5	1201.5	1092.4	885.4	666.5	412.1	157.7	412.1	666.5	885.4
35°	1214.4	1193.4	1176.0	1064.6	859.2	642.7	392.3	142.0	392.3	642.7	859.2
37.5°	1219.0	1184.0	1147.6	1026.2	819.8	605.5	367.1	128.6	367.1	605.5	819.8
40°	1217.9	1174.9	1126.3	998.2	790.7	577.9	349.4	120.8	349.4	577.9	790.7
42.5°	1204.8	1155.7	1099.0	966.0	756.7	545.7	329.3	113.0	329.3	545.7	756.7
45°	1178.3	1122.1	1055.3	914.9	700.9	491.7	297.3	102.8	297.3	491.7	700.9
47.5°	1140.7	1083.1	1012.3	865.0	641.3	431.2	262.3	93.4	262.3	431.2	641.3
50°	1107.2	1051.3	981.7	831.5	600.8	390.0	239.1	88.2	239.1	390.0	600.8
52.5°	1067.7	1015.2	949.6	798.3	561.1	349.9	216.4	82.9	216.4	349.9	561.1
55°	998.7	952.8	895.5	745.7	503.4	294.4	185.6	76.7	185.6	294.4	503.4
57.5°	922.4	883.4	834.5	689.8	449.2	246.8	159.0	71.2	159.0	246.8	449.2
60°	867.6	832.0	787.8	648.8	415.2	220.9	144.7	68.6	144.7	220.9	415.2
62.5°	810.0	777.2	736.4	604.4	381.2	197.3	131.0	64.6	131.0	197.3	381.2
65°	716.5	689.5	655.4	536.7	333.6	167.8	114.1	60.4	114.1	167.8	333.6
67.5°	600.7	587.5	566.3	467.1	289.9	145.7	100.1	54.5	100.1	145.7	289.9
70°	508.1	510.4	503.2	420.8	263.4	134.8	92.7	50.6	92.7	134.8	263.4
72.5°	387.5	414.2	430.2	370.2	234.2	122.9	85.4	48.0	85.4	122.9	234.2
75°	183.2	235.1	304.7	288.8	187.2	103.4	72.9	42.4	72.9	103.4	187.2
77.5°	140.7	168.0	204.9	192.8	131.7	80.2	57.4	34.6	57.4	80.2	131.7
80°	114.5	115.4	116.8	107.0	86.0	65.7	47.5	29.4	47.5	65.7	86.0
82.5°	84.0	83.1	81.7	75.1	63.3	51.2	37.7	24.2	37.7	51.2	63.3
85°	27.4	32.1	37.9	39.0	35.4	30.7	22.7	14.7	22.7	30.7	35.4
87.5°	16.1	15.6	15.6	16.3	17.3	16.5	11.3	6.6	11.3	16.0	18.2
90°	47.8	45.5	45.5	43.3	36.4	27.3	15.9	6.8	15.9	25.0	41.0
92.5°	56.9	56.5	52.8	48.7	40.1	40.1	39.6	25.0	43.3	61.5	88.3
95°	52.4	52.4	61.5	77.4	113.8	116.1	77.4	70.6	100.2	141.1	177.6
97.5°	141.6	168.4	206.7	214.0	202.6	151.1	144.8	134.8	183.5	224.0	282.7
100°	261.8	295.9	323.2	268.6	211.7	209.4	195.8	191.2	243.6	282.3	339.2
102.5°	409.3	419.8	325.1	294.1	280.9	271.3	250.4	247.7	300.0	353.3	401.1
105°	443.9	398.4	400.6	400.6	391.5	373.3	334.6	332.3	391.5	453.0	512.2
107.5°	522.2	529.0	540.9	538.1	527.7	478.9	433.4	422.9	476.2	550.0	615.1
110°	626.0	632.8	637.4	632.8	616.9	555.4	500.8	484.9	532.7	610.1	680.6



TEST NUMBER: P1436034

CATALOG NUMBER: SQ2W-FB-K-150U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	726.1	731.2	741.2	727.5	700.7	630.1	568.2	545.0	592.8	672.0	744.4
115°	885.5	885.5	887.8	880.9	826.3	753.5	671.5	637.4	678.3	751.2	830.9
117.5°	1042.1	1044.8	1035.7	1017.5	954.2	869.6	777.6	723.0	755.3	832.2	914.2
120°	1140.4	1145.0	1135.9	1108.6	1047.1	951.5	846.8	783.1	808.1	883.2	965.2
122.5°	1242.4	1241.5	1230.6	1199.6	1127.2	1028.0	925.1	846.8	857.3	926.9	1007.0
125°	1384.0	1381.7	1372.6	1336.2	1261.1	1158.6	1038.0	942.4	928.7	987.9	1069.9
127.5°	1518.8	1513.8	1499.6	1455.5	1378.5	1279.7	1147.3	1038.9	1008.4	1045.7	1120.9
130°	1611.6	1604.8	1579.8	1532.0	1456.8	1363.5	1229.2	1106.3	1063.0	1085.8	1151.8
132.5°	1700.9	1681.3	1659.9	1608.4	1538.8	1441.8	1305.7	1177.3	1117.7	1127.7	1179.1
135°	1814.2	1796.0	1768.7	1718.6	1652.6	1557.0	1420.4	1281.6	1199.6	1190.5	1220.1
137.5°	1913.9	1894.8	1863.9	1820.6	1754.1	1669.0	1537.9	1391.3	1287.9	1257.4	1268.8
140°	1975.8	1953.1	1925.8	1882.5	1823.3	1734.6	1607.1	1466.0	1349.9	1306.6	1299.8
142.5°	2026.8	2009.5	1980.4	1940.8	1888.9	1800.1	1676.3	1537.0	1413.6	1357.6	1341.7
145°	2103.3	2089.7	2057.8	2021.4	1978.1	1889.3	1775.5	1636.7	1513.8	1440.9	1406.8
147.5°	2168.0	2157.0	2132.0	2089.2	2052.8	1967.7	1863.9	1740.9	1614.8	1524.7	1480.5
150°	2208.0	2198.9	2173.9	2132.9	2096.5	2016.8	1916.7	1802.8	1682.2	1586.6	1529.7
152.5°	2246.3	2237.2	2208.5	2167.5	2136.6	2062.3	1971.3	1862.9	1740.5	1644.9	1586.1
155°	2296.8	2285.4	2258.1	2219.4	2192.1	2123.8	2039.6	1944.0	1839.3	1739.1	1673.1
157.5°	2336.9	2322.8	2297.3	2264.0	2234.9	2172.1	2098.8	2016.4	1924.9	1829.3	1761.9
160°	2360.5	2344.6	2317.3	2287.7	2260.4	2201.2	2135.2	2060.1	1975.8	1889.3	1816.5
162.5°	2376.9	2362.8	2330.0	2304.1	2280.4	2226.7	2164.3	2096.5	2021.4	1945.8	1878.4
165°	2394.7	2378.8	2344.6	2324.1	2303.6	2258.1	2203.5	2148.8	2085.1	2023.7	1969.0
167.5°	2396.1	2382.9	2348.7	2328.7	2313.7	2274.5	2230.3	2188.5	2138.8	2090.6	2045.0
170°	2392.4	2381.0	2346.9	2328.7	2317.3	2285.4	2246.7	2210.3	2171.6	2130.6	2094.2
172.5°	2379.7	2368.3	2336.0	2321.4	2315.5	2287.2	2255.8	2228.5	2195.3	2165.2	2136.1
175°	2346.9	2337.8	2310.5	2301.4	2303.6	2285.4	2262.7	2246.7	2226.2	2208.0	2192.1
177.5°	2299.1	2293.6	2273.6	2273.6	2280.9	2269.9	2262.7	2255.4	2246.3	2240.8	2235.3
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1436034

CATALOG NUMBER: SQ2W-FB-K-150U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6
2.5°	363.5	371.1	379.2	386.1	389.6	393.1	389.6	386.1	379.2	371.1	363.5
5°	439.7	479.2	523.5	561.4	580.3	599.1	580.3	561.4	523.5	479.2	439.7
7.5°	609.6	724.1	842.8	941.3	979.0	1016.7	979.0	941.3	842.8	724.1	609.6
10°	779.3	926.5	1029.6	1111.9	1132.2	1152.6	1132.2	1111.9	1029.6	926.5	779.3
12.5°	890.0	1043.1	1115.3	1174.8	1195.7	1216.5	1195.7	1174.8	1115.3	1043.1	890.0
15°	988.6	1146.0	1204.8	1254.7	1277.9	1301.1	1277.9	1254.7	1204.8	1146.0	988.6
17.5°	1043.1	1196.7	1254.9	1301.7	1314.3	1326.9	1314.3	1301.7	1254.9	1196.7	1043.1
20°	1074.9	1220.0	1270.1	1309.6	1317.6	1325.6	1317.6	1309.6	1270.1	1220.0	1074.9
22.5°	1098.0	1233.5	1271.4	1301.9	1310.5	1319.1	1310.5	1301.9	1271.4	1233.5	1098.0
25°	1120.8	1244.5	1268.5	1287.9	1293.7	1299.5	1293.7	1287.9	1268.5	1244.5	1120.8
27.5°	1117.1	1232.5	1248.2	1261.4	1267.0	1272.7	1267.0	1261.4	1248.2	1232.5	1117.1
30°	1107.4	1218.8	1230.4	1241.1	1249.1	1257.0	1249.1	1241.1	1230.4	1218.8	1107.4
32.5°	1092.4	1201.5	1212.5	1225.1	1242.4	1259.6	1242.4	1225.1	1212.5	1201.5	1092.4
35°	1064.6	1176.0	1193.4	1214.4	1246.3	1278.3	1246.3	1214.4	1193.4	1176.0	1064.6
37.5°	1026.2	1147.6	1184.0	1219.0	1249.8	1280.5	1249.8	1219.0	1184.0	1147.6	1026.2
40°	998.2	1126.3	1174.9	1217.9	1244.0	1270.1	1244.0	1217.9	1174.9	1126.3	998.2
42.5°	966.0	1099.0	1155.7	1204.8	1230.9	1257.0	1230.9	1204.8	1155.7	1099.0	966.0
45°	914.9	1055.3	1122.1	1178.3	1203.0	1227.7	1203.0	1178.3	1122.1	1055.3	914.9
47.5°	865.0	1012.3	1083.1	1140.7	1158.7	1176.7	1158.7	1140.7	1083.1	1012.3	865.0
50°	831.5	981.7	1051.3	1107.2	1121.7	1136.2	1121.7	1107.2	1051.3	981.7	831.5
52.5°	798.3	949.6	1015.2	1067.7	1081.1	1094.4	1081.1	1067.7	1015.2	949.6	798.3
55°	745.7	895.5	952.8	998.7	1010.3	1022.0	1010.3	998.7	952.8	895.5	745.7
57.5°	689.8	834.5	883.4	922.4	931.9	941.3	931.9	922.4	883.4	834.5	689.8
60°	648.8	787.8	832.0	867.6	877.0	886.5	877.0	867.6	832.0	787.8	648.8
62.5°	604.4	736.4	777.2	810.0	818.8	827.7	818.8	810.0	777.2	736.4	604.4
65°	536.7	655.4	689.5	716.5	722.3	728.1	722.3	716.5	689.5	655.4	536.7
67.5°	467.1	566.3	587.5	600.7	589.8	578.9	589.8	600.7	587.5	566.3	467.1
70°	420.8	503.2	510.4	508.1	476.9	445.7	476.9	508.1	510.4	503.2	420.8
72.5°	370.2	430.2	414.2	387.5	328.4	269.4	328.4	387.5	414.2	430.2	370.2
75°	288.8	304.7	235.1	183.2	184.7	186.1	184.7	183.2	235.1	304.7	288.8
77.5°	192.8	204.9	168.0	140.7	142.0	143.3	142.0	140.7	168.0	204.9	192.8
80°	107.0	116.8	115.4	114.5	115.2	115.9	115.2	114.5	115.4	116.8	107.0
82.5°	75.1	81.7	83.1	84.0	83.0	82.0	83.0	84.0	83.1	81.7	75.1
85°	39.0	37.9	32.1	27.4	25.9	24.5	25.9	27.4	32.1	37.9	39.0
87.5°	18.2	20.2	23.4	25.2	27.0	26.1	27.0	25.2	23.4	20.2	18.2
90°	52.4	68.3	84.2	93.3	102.4	97.9	102.4	93.3	84.2	68.3	52.4
92.5°	105.2	132.0	151.6	168.0	175.3	174.4	175.3	168.0	151.6	132.0	105.2
95°	211.7	243.6	275.4	298.2	311.9	307.3	311.9	298.2	275.4	243.6	211.7
97.5°	326.4	369.2	404.7	426.1	439.8	448.9	439.8	426.1	404.7	369.2	326.4
100°	402.9	443.9	484.9	509.9	532.7	541.8	532.7	509.9	484.9	443.9	402.9
102.5°	464.8	518.5	563.2	590.0	609.1	618.2	609.1	590.0	563.2	518.5	464.8
105°	566.8	623.7	671.5	705.7	726.1	733.0	726.1	705.7	671.5	623.7	566.8
107.5°	668.8	727.5	771.7	809.5	834.5	849.1	834.5	809.5	771.7	727.5	668.8
110°	748.9	796.7	844.5	878.7	903.7	912.8	903.7	878.7	844.5	796.7	748.9



TEST NUMBER: P1436034

CATALOG NUMBER: SQ2W-FB-K-150U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	816.3	869.6	917.4	951.5	980.2	992.9	980.2	951.5	917.4	869.6	816.3
115°	910.5	981.1	1024.3	1056.2	1076.7	1088.1	1076.7	1056.2	1024.3	981.1	910.5
117.5°	988.8	1062.6	1109.9	1134.5	1144.1	1152.3	1144.1	1134.5	1109.9	1062.6	988.8
120°	1038.0	1106.3	1160.9	1192.8	1204.2	1208.7	1204.2	1192.8	1160.9	1106.3	1038.0
122.5°	1083.5	1148.2	1201.0	1240.1	1258.8	1263.4	1258.8	1240.1	1201.0	1148.2	1083.5
125°	1147.3	1208.7	1263.4	1302.1	1322.5	1333.9	1322.5	1302.1	1263.4	1208.7	1147.3
127.5°	1202.8	1269.3	1319.4	1354.4	1374.4	1383.5	1374.4	1354.4	1319.4	1269.3	1202.8
130°	1233.8	1302.1	1352.1	1390.8	1409.0	1418.1	1409.0	1390.8	1352.1	1302.1	1233.8
132.5°	1257.4	1329.4	1381.3	1416.3	1436.4	1445.5	1436.4	1416.3	1381.3	1329.4	1257.4
135°	1286.1	1361.2	1415.9	1450.0	1468.2	1477.3	1468.2	1450.0	1415.9	1361.2	1286.1
137.5°	1311.2	1379.5	1436.4	1472.3	1488.7	1494.6	1488.7	1472.3	1436.4	1379.5	1311.2
140°	1329.4	1388.6	1445.5	1479.6	1497.8	1500.1	1497.8	1479.6	1445.5	1388.6	1329.4
142.5°	1353.0	1399.5	1449.1	1483.3	1501.5	1505.6	1501.5	1483.3	1449.1	1399.5	1353.0
145°	1395.4	1422.7	1456.8	1488.7	1504.6	1509.2	1504.6	1488.7	1456.8	1422.7	1395.4
147.5°	1448.7	1457.3	1475.1	1496.0	1511.5	1514.7	1511.5	1496.0	1475.1	1457.3	1448.7
150°	1488.7	1486.4	1493.3	1506.9	1520.6	1518.3	1520.6	1506.9	1493.3	1486.4	1488.7
152.5°	1534.2	1521.0	1520.6	1527.0	1533.3	1532.9	1533.3	1527.0	1520.6	1521.0	1534.2
155°	1611.6	1586.6	1572.9	1568.4	1568.4	1566.1	1568.4	1568.4	1572.9	1586.6	1611.6
157.5°	1696.8	1661.7	1641.2	1630.3	1627.1	1622.1	1627.1	1630.3	1641.2	1661.7	1696.8
160°	1755.0	1716.3	1695.9	1677.6	1670.8	1664.0	1670.8	1677.6	1695.9	1716.3	1755.0
162.5°	1809.7	1772.8	1750.5	1734.1	1727.3	1716.8	1727.3	1734.1	1750.5	1772.8	1809.7
165°	1898.5	1859.8	1834.7	1821.1	1812.0	1802.8	1812.0	1821.1	1834.7	1859.8	1898.5
167.5°	1987.2	1944.9	1928.5	1913.0	1904.4	1888.0	1904.4	1913.0	1928.5	1944.9	1987.2
170°	2041.9	2003.2	1994.1	1980.4	1964.5	1946.3	1964.5	1980.4	1994.1	2003.2	2041.9
172.5°	2089.2	2063.3	2054.2	2040.5	2035.5	2020.9	2035.5	2040.5	2054.2	2063.3	2089.2
175°	2158.0	2137.5	2137.5	2135.2	2128.4	2114.7	2128.4	2135.2	2137.5	2137.5	2158.0
177.5°	2215.3	2204.4	2211.7	2211.7	2209.9	2197.1	2209.9	2211.7	2211.7	2204.4	2215.3
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1436034

CATALOG NUMBER: SQ2W-FB-K-150U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	339.6	339.6	339.6	339.6
2.5°	356.5	349.7	343.3	337.0
5°	404.9	373.3	351.5	329.8
7.5°	499.3	405.6	361.3	317.0
10°	587.7	428.6	367.0	305.3
12.5°	656.1	459.7	375.9	292.2
15°	732.5	510.4	390.7	271.0
17.5°	794.3	567.8	408.5	249.1
20°	834.8	607.8	420.6	233.4
22.5°	864.8	637.6	428.3	219.1
25°	897.3	670.8	435.0	199.2
27.5°	901.9	678.2	429.1	179.9
30°	896.3	674.6	421.4	168.1
32.5°	885.4	666.5	412.1	157.7
35°	859.2	642.7	392.3	142.0
37.5°	819.8	605.5	367.1	128.6
40°	790.7	577.9	349.4	120.8
42.5°	756.7	545.7	329.3	113.0
45°	700.9	491.7	297.3	102.8
47.5°	641.3	431.2	262.3	93.4
50°	600.8	390.0	239.1	88.2
52.5°	561.1	349.9	216.4	82.9
55°	503.4	294.4	185.6	76.7
57.5°	449.2	246.8	159.0	71.2
60°	415.2	220.9	144.7	68.6
62.5°	381.2	197.3	131.0	64.6
65°	333.6	167.8	114.1	60.4
67.5°	289.9	145.7	100.1	54.5
70°	263.4	134.8	92.7	50.6
72.5°	234.2	122.9	85.4	48.0
75°	187.2	103.4	72.9	42.4
77.5°	131.7	80.2	57.4	34.6
80°	86.0	65.7	47.5	29.4
82.5°	63.3	51.2	37.7	24.2
85°	35.4	30.7	22.7	14.7
87.5°	18.2	16.0	11.3	6.6
90°	41.0	25.0	15.9	6.8
92.5°	88.3	61.5	43.3	25.0
95°	177.6	141.1	100.2	70.6
97.5°	282.7	224.0	183.5	134.8
100°	339.2	282.3	243.6	191.2
102.5°	401.1	353.3	300.0	247.7
105°	512.2	453.0	391.5	332.3
107.5°	615.1	550.0	476.2	422.9
110°	680.6	610.1	532.7	484.9



TEST NUMBER: P1436034

CATALOG NUMBER: SQ2W-FB-K-150U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	744.4	672.0	592.8	545.0
115°	830.9	751.2	678.3	637.4
117.5°	914.2	832.2	755.3	723.0
120°	965.2	883.2	808.1	783.1
122.5°	1007.0	926.9	857.3	846.8
125°	1069.9	987.9	928.7	942.4
127.5°	1120.9	1045.7	1008.4	1038.9
130°	1151.8	1085.8	1063.0	1106.3
132.5°	1179.1	1127.7	1117.7	1177.3
135°	1220.1	1190.5	1199.6	1281.6
137.5°	1268.8	1257.4	1287.9	1391.3
140°	1299.8	1306.6	1349.9	1466.0
142.5°	1341.7	1357.6	1413.6	1537.0
145°	1406.8	1440.9	1513.8	1636.7
147.5°	1480.5	1524.7	1614.8	1740.9
150°	1529.7	1586.6	1682.2	1802.8
152.5°	1586.1	1644.9	1740.5	1862.9
155°	1673.1	1739.1	1839.3	1944.0
157.5°	1761.9	1829.3	1924.9	2016.4
160°	1816.5	1889.3	1975.8	2060.1
162.5°	1878.4	1945.8	2021.4	2096.5
165°	1969.0	2023.7	2085.1	2148.8
167.5°	2045.0	2090.6	2138.8	2188.5
170°	2094.2	2130.6	2171.6	2210.3
172.5°	2136.1	2165.2	2195.3	2228.5
175°	2192.1	2208.0	2226.2	2246.7
177.5°	2235.3	2240.8	2246.3	2255.4
180°	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1436034
 CATALOG NUMBER: SQ2W-FB-K-150U-075D-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	10.38	11.13	11.46	12.21	13.69	19.97	20.72	21.05	21.81	23.29
	3H	11.31	11.98	12.40	13.07	14.57	21.57	22.24	22.66	23.34	24.84
	4H	11.70	12.34	12.80	13.43	14.94	21.74	22.38	22.84	23.47	24.98
	6H	11.95	12.54	13.06	13.63	15.15	21.81	22.40	22.92	23.49	25.01
	8H	12.04	12.60	13.15	13.71	15.22	21.83	22.39	22.94	23.50	25.01
	12H	12.08	12.61	13.20	13.72	15.26	21.80	22.33	22.92	23.44	24.97
4H	2H	15.08	15.72	16.19	16.81	18.32	20.33	20.96	21.43	22.06	23.56
	3H	16.20	16.73	17.32	17.85	19.37	22.20	22.73	23.32	23.85	25.37
	4H	16.48	16.97	17.60	18.07	19.61	22.42	22.91	23.54	24.02	25.56
	6H	16.61	17.02	17.73	18.16	19.69	22.54	22.96	23.67	24.09	25.63
	8H	16.64	17.03	17.77	18.16	19.71	22.59	22.98	23.71	24.10	25.65
	12H	16.64	16.99	17.78	18.13	19.68	22.56	22.92	23.71	24.05	25.61
8H	4H	17.66	18.05	18.79	19.17	20.72	22.50	22.89	23.63	24.01	25.56
	6H	17.91	18.23	19.06	19.40	20.95	22.69	23.01	23.84	24.18	25.73
	8H	18.01	18.29	19.16	19.44	21.00	22.78	23.06	23.93	24.21	25.77
	12H	18.05	18.29	19.20	19.44	21.04	22.78	23.03	23.94	24.17	25.77
12H	4H	17.68	18.03	18.82	19.17	20.72	22.45	22.80	23.59	23.94	25.49
	6H	18.02	18.30	19.17	19.45	21.01	22.67	22.95	23.83	24.10	25.67
	8H	18.15	18.40	19.31	19.54	21.14	22.77	23.01	23.93	24.16	25.76