

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: P1435867

Luminaire Tested: SQ2W-FA-K-150U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435867
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-150U-075D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

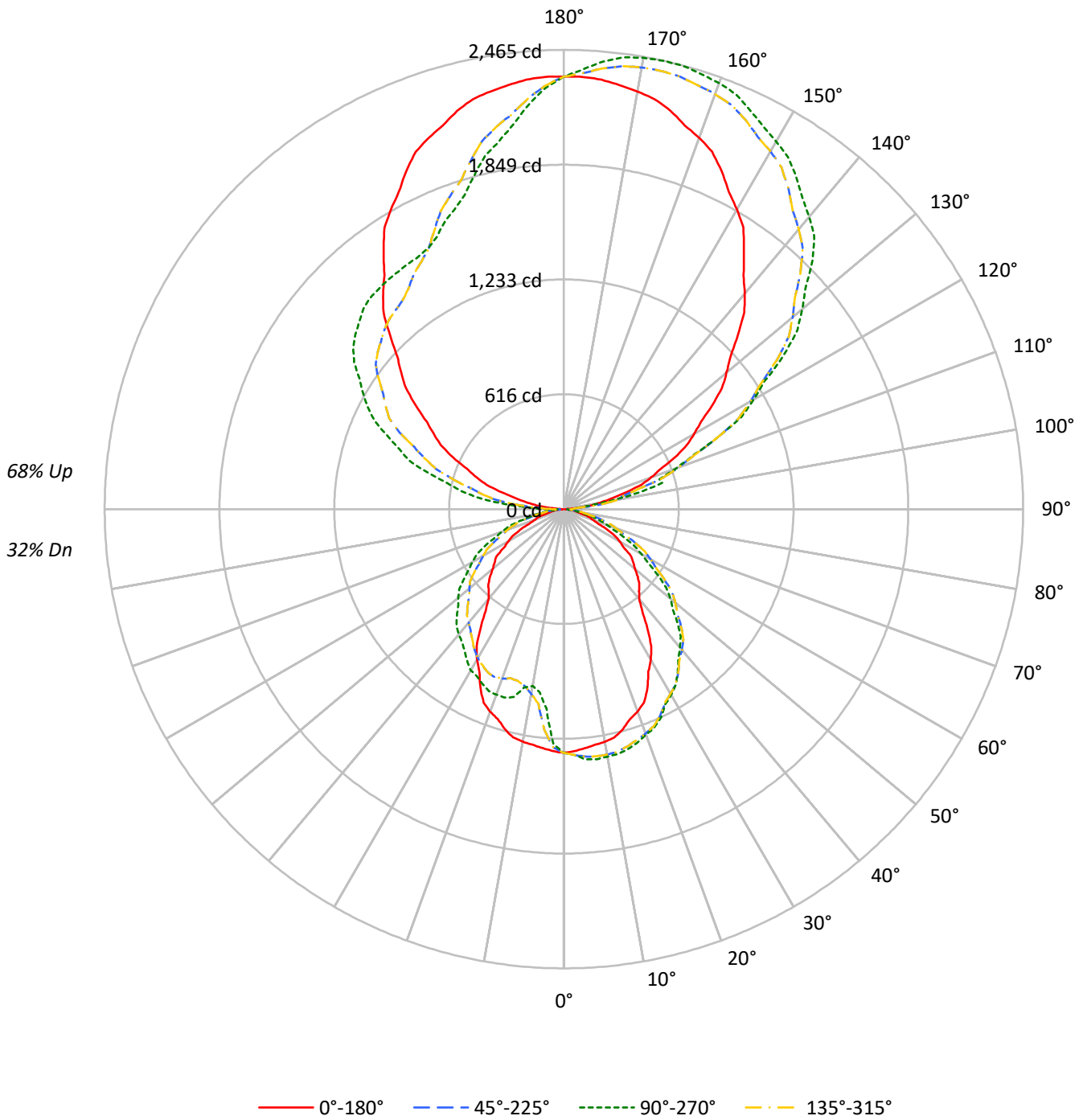
Lumens per Lamp: N/A
Luminaire Lumens: 10035.7 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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	56	56	56	40	40	40	32
1	94	90	86	83	84	81	78	75	64	62	60	49	48	47	35	35	34	27
2	86	78	72	67	77	71	66	61	57	53	50	43	41	39	31	30	29	23
3	78	69	62	56	70	62	56	51	50	46	42	38	35	33	28	26	24	20
4	71	61	53	47	64	55	48	43	44	39	36	34	31	28	25	23	21	17
5	65	54	46	40	59	49	42	37	39	34	31	31	27	24	22	20	18	15
6	60	48	40	35	54	44	37	32	35	30	27	28	24	21	20	18	16	13
7	55	44	36	30	50	40	33	28	32	27	23	25	21	19	18	16	14	11
8	51	39	32	27	46	36	29	25	29	24	21	23	19	17	17	14	13	10
9	48	36	29	24	43	33	26	22	27	22	18	21	17	15	15	13	11	9
10	44	33	26	21	40	30	24	20	24	20	16	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21130	21130	21130	21130
5°	20881	21867	20881	17428
10°	20790	22120	20790	15799
15°	20433	22298	20433	17466
20°	19871	22137	19871	18214
25°	18885	21958	18885	18433
30°	17400	21466	17400	18628
35°	15396	20995	15396	18295
40°	13257	20419	13257	18495
45°	13088	19689	13088	18531
50°	12486	18728	12486	18602
55°	12422	17275	12422	18418
60°	11137	15396	11137	18345
65°	9494	13566	9494	17830
70°	7662	11495	7662	16522
75°	6644	9494	6644	15190
80°	5662	7076	5662	12264
85°	3761	3761	3761	7521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 20306 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	1.2
10°-20°	329.0	3.3
20°-30°	499.7	5.0
30°-40°	586.6	5.8
40°-50°	595.3	5.9
50°-60°	521.4	5.2
60°-70°	369.8	3.7
70°-80°	190.4	1.9
80°-90°	49.5	0.5
90°-100°	184.7	1.8
100°-110°	538.6	5.4
110°-120°	879.0	8.8
120°-130°	1115.4	11.1
130°-140°	1193.5	11.9
140°-150°	1114.5	11.1
150°-160°	917.1	9.1
160°-170°	615.0	6.1
170°-180°	218.4	2.2
0°-30°	946.4	9.4
0°-40°	1533.0	15.3
0°-60°	2649.8	26.4
0°-90°	3259.5	32.5
90°-120°	1602.3	16.0
90°-150°	5025.7	50.1
90°-180°	6776.0	67.5
0°-180°	10035.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1309	1309	1309	1309	1309	
5°	1288	1349	1288	1075	1288	122
15°	1222	1334	1222	1045	1222	343
25°	1060	1233	1060	1035	1060	484
35°	781	1065	781	928	781	487
45°	573	862	573	812	573	438
55°	441	614	441	654	441	382
65°	248	355	248	467	248	248
75°	106	152	106	244	106	115
85°	20	20	20	41	20	26
90°	7	52	7	101	7	6
95°	73	54	73	316	73	88
105°	342	548	342	755	342	364
115°	656	910	656	1120	656	647
125°	970	1442	970	1374	970	868
135°	1320	1887	1320	1521	1320	1020
145°	1686	2175	1686	1554	1686	1055
155°	2002	2363	2002	1613	2002	920
165°	2213	2464	2213	1857	2213	623
175°	2314	2412	2314	2178	2314	220
180°	2321	2321	2321	2321	2321	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1300.5	1309.6	1318.6	1320.8	1320.8	1320.8	1320.8	1320.8	1320.8	1320.8	1320.8
5°	1288.4	1304.1	1319.9	1327.3	1331.8	1335.1	1337.4	1340.2	1344.7	1349.2	1344.7
7.5°	1276.2	1297.4	1318.6	1328.9	1335.7	1341.1	1345.2	1348.8	1351.0	1353.3	1351.0
10°	1268.1	1292.9	1317.7	1328.9	1335.7	1340.2	1342.5	1344.7	1347.0	1349.2	1347.0
12.5°	1255.9	1282.5	1309.1	1322.2	1330.7	1336.2	1338.4	1340.7	1342.9	1345.2	1342.9
15°	1222.4	1258.5	1294.6	1308.7	1315.4	1321.1	1325.6	1329.5	1331.8	1334.0	1331.8
17.5°	1180.8	1224.6	1268.3	1286.0	1295.0	1301.6	1305.6	1309.1	1310.9	1312.7	1310.9
20°	1156.5	1203.8	1251.2	1269.8	1278.8	1284.4	1286.7	1288.4	1288.4	1288.4	1288.4
22.5°	1124.0	1176.8	1229.5	1249.5	1258.5	1263.2	1263.7	1264.5	1266.3	1268.1	1266.3
25°	1060.1	1121.0	1181.8	1207.2	1220.7	1226.4	1224.1	1223.6	1228.1	1232.6	1228.1
27.5°	982.0	1058.6	1135.3	1161.2	1170.2	1175.9	1178.1	1179.8	1179.8	1179.8	1179.8
30°	933.3	1019.0	1104.6	1132.8	1141.8	1147.5	1149.7	1151.4	1151.4	1151.4	1151.4
32.5°	872.4	974.3	1076.2	1107.1	1114.3	1118.2	1118.6	1118.9	1118.9	1118.9	1118.9
35°	781.1	905.1	1029.1	1063.5	1068.0	1070.3	1070.3	1069.7	1067.4	1065.2	1067.4
37.5°	689.8	830.5	971.2	1011.4	1018.2	1020.0	1016.8	1013.9	1011.6	1009.4	1011.6
40°	629.0	782.3	935.6	979.0	985.7	985.7	979.0	973.3	971.1	968.8	971.1
42.5°	596.5	748.0	899.5	942.4	949.2	948.3	939.7	932.7	930.5	928.2	930.5
45°	573.2	708.4	843.7	882.6	889.3	888.2	879.2	871.3	866.8	862.3	866.8
47.5°	537.7	656.7	775.7	813.9	825.2	824.1	810.6	799.3	794.8	790.3	794.8
50°	497.1	614.3	731.5	769.3	780.6	779.4	765.9	754.6	750.1	745.6	750.1
52.5°	468.7	578.7	688.7	723.3	732.8	729.8	714.5	701.9	697.4	692.9	697.4
55°	441.3	533.7	626.1	654.3	661.1	656.6	640.8	627.3	620.5	613.7	620.5
57.5°	377.4	465.3	553.2	580.6	587.8	582.4	564.4	548.9	541.3	533.6	541.3
60°	344.9	423.8	502.7	529.2	538.2	533.7	515.7	499.3	488.1	476.8	488.1
62.5°	308.4	378.3	448.2	475.1	487.7	485.0	467.0	450.6	439.4	428.1	439.4
65°	248.5	309.4	370.3	397.3	413.1	412.0	393.9	377.6	366.3	355.1	366.3
67.5°	194.8	247.1	299.4	326.0	344.0	343.1	323.3	306.1	297.1	288.1	297.1
70°	162.3	207.4	252.5	277.3	295.3	295.3	277.3	261.5	252.5	243.5	252.5
72.5°	142.0	176.3	210.6	234.0	253.8	253.8	234.0	217.3	210.1	202.9	210.1
75°	106.5	126.8	147.1	169.1	191.6	193.9	175.8	161.2	156.7	152.2	156.7
77.5°	77.1	86.6	96.0	113.3	133.1	135.4	120.0	108.1	106.3	104.5	106.3
80°	60.9	63.1	65.4	79.5	97.5	99.8	86.2	76.1	76.1	76.1	76.1
82.5°	40.6	42.8	45.1	55.1	67.7	69.1	59.2	51.3	49.5	47.7	49.5
85°	20.3	20.3	20.3	23.7	28.2	28.2	23.7	20.3	20.3	20.3	20.3
87.5°	5.5	7.3	9.7	12.9	16.1	16.6	14.8	13.9	14.4	14.4	14.4
90°	7.0	16.4	28.1	37.5	44.5	46.9	46.9	49.2	51.6	51.6	51.6
92.5°	25.8	40.8	41.3	41.3	50.2	54.4	58.1	58.6	60.9	60.9	60.9
95°	72.7	79.7	119.6	117.2	79.7	63.3	53.9	53.9	53.9	53.9	53.9
97.5°	138.8	149.1	155.7	208.6	220.4	212.9	173.5	145.8	130.3	123.3	130.3
100°	196.9	201.6	215.7	218.0	276.6	332.9	304.7	269.6	257.9	250.8	257.9
102.5°	255.0	257.9	279.4	289.3	302.9	334.7	432.3	421.5	413.5	412.1	413.5
105°	342.3	344.6	384.4	403.2	412.6	412.6	410.2	457.1	532.1	548.5	532.1
107.5°	435.5	446.3	493.2	543.4	554.2	557.0	544.8	537.8	534.9	536.8	534.9
110°	499.3	515.7	572.0	635.3	651.7	656.4	651.7	644.7	640.0	640.0	640.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	561.2	585.1	648.9	721.5	749.2	763.3	753.0	747.8	743.1	746.9	743.1
115°	656.4	691.5	775.9	850.9	907.2	914.2	911.9	911.9	909.5	909.5	909.5
117.5°	744.5	800.8	895.5	982.7	1047.9	1066.6	1076.0	1073.2	1070.4	1075.0	1070.4
120°	806.4	872.0	979.9	1078.3	1141.6	1169.7	1179.1	1174.4	1179.1	1174.4	1179.1
122.5°	872.0	952.7	1058.6	1160.8	1235.4	1267.3	1278.5	1279.5	1280.4	1277.6	1280.4
125°	970.5	1068.9	1193.2	1298.7	1376.0	1413.5	1422.9	1425.3	1430.0	1441.7	1430.0
127.5°	1069.9	1181.5	1317.9	1419.6	1498.9	1544.3	1558.9	1564.0	1573.9	1579.0	1573.9
130°	1139.3	1265.9	1404.2	1500.3	1577.6	1626.9	1652.7	1659.7	1671.4	1669.1	1671.4
132.5°	1212.4	1344.6	1484.8	1584.7	1656.4	1709.4	1731.4	1751.6	1755.8	1759.1	1755.8
135°	1319.8	1462.8	1603.4	1701.9	1769.9	1821.4	1849.6	1868.3	1880.0	1887.1	1880.0
137.5°	1432.8	1583.7	1718.8	1806.4	1874.9	1919.4	1951.3	1971.0	1983.2	1988.8	1983.2
140°	1509.7	1655.0	1786.3	1877.7	1938.6	1983.2	2011.3	2034.8	2048.8	2048.8	2048.8
142.5°	1582.8	1726.3	1853.8	1945.2	1998.7	2039.4	2069.4	2087.3	2103.2	2103.2	2103.2
145°	1685.5	1828.5	1945.7	2037.1	2081.6	2119.1	2152.0	2166.0	2175.4	2175.4	2175.4
147.5°	1792.8	1919.4	2026.3	2114.0	2151.5	2195.6	2221.3	2232.6	2244.3	2239.2	2244.3
150°	1856.6	1973.8	2076.9	2159.0	2196.5	2238.7	2264.5	2273.9	2285.6	2278.5	2285.6
152.5°	1918.5	2030.1	2123.8	2200.3	2232.1	2274.3	2303.9	2313.2	2321.2	2316.1	2321.2
155°	2001.9	2100.4	2187.1	2257.5	2285.6	2325.4	2353.6	2365.3	2374.7	2362.9	2374.7
157.5°	2076.5	2161.3	2236.8	2301.5	2331.5	2365.8	2392.0	2406.5	2415.9	2410.8	2415.9
160°	2121.5	2198.8	2266.8	2327.8	2355.9	2386.4	2414.5	2430.9	2440.3	2433.3	2440.3
162.5°	2159.0	2228.9	2293.1	2348.4	2372.8	2399.5	2433.3	2447.8	2457.2	2448.3	2457.2
165°	2212.9	2269.2	2325.4	2372.3	2393.4	2414.5	2449.7	2466.1	2473.1	2463.7	2473.1
167.5°	2253.7	2296.8	2342.3	2382.6	2398.1	2418.7	2453.9	2467.5	2476.4	2464.7	2476.4
170°	2276.2	2313.7	2353.6	2386.4	2398.1	2416.9	2452.0	2463.7	2470.8	2459.1	2470.8
172.5°	2295.0	2323.1	2355.4	2384.5	2390.6	2405.6	2438.9	2450.6	2455.8	2445.9	2455.8
175°	2313.7	2330.1	2353.6	2372.3	2370.0	2379.3	2407.5	2416.9	2426.2	2412.2	2426.2
177.5°	2322.6	2330.1	2337.6	2348.9	2341.4	2341.4	2362.0	2367.6	2369.5	2362.0	2369.5
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1320.8	1320.8	1320.8	1320.8	1320.8	1318.6	1309.6	1300.5	1300.5	1300.5	1293.8
5°	1340.2	1337.4	1335.1	1331.8	1327.3	1319.9	1304.1	1288.4	1281.6	1274.8	1246.1
7.5°	1348.8	1345.2	1341.1	1335.7	1328.9	1318.6	1297.4	1276.2	1246.0	1215.8	1151.7
10°	1344.7	1342.5	1340.2	1335.7	1328.9	1317.7	1292.9	1268.1	1207.2	1146.3	1085.5
12.5°	1340.7	1338.4	1336.2	1330.7	1322.2	1309.1	1282.5	1255.9	1169.8	1083.7	1028.7
15°	1329.5	1325.6	1321.1	1315.4	1308.7	1294.6	1258.5	1222.4	1125.5	1028.5	982.3
17.5°	1309.1	1305.6	1301.6	1295.0	1286.0	1268.3	1224.6	1180.8	1079.4	977.9	948.2
20°	1288.4	1286.7	1284.4	1278.8	1269.8	1251.2	1203.8	1156.5	1055.0	953.6	940.1
22.5°	1264.5	1263.7	1263.2	1258.5	1249.5	1229.5	1176.8	1124.0	1024.4	924.7	925.2
25°	1223.6	1224.1	1226.4	1220.7	1207.2	1181.8	1121.0	1060.1	972.2	884.3	899.5
27.5°	1179.8	1178.1	1175.9	1170.2	1161.2	1135.3	1058.6	982.0	912.6	843.1	868.4
30°	1151.4	1149.7	1147.5	1141.8	1132.8	1104.6	1019.0	933.3	874.7	816.1	845.4
32.5°	1118.9	1118.6	1118.2	1114.3	1107.1	1076.2	974.3	872.4	830.1	787.7	818.3
35°	1069.7	1070.3	1070.3	1068.0	1063.5	1029.1	905.1	781.1	763.1	745.1	781.1
37.5°	1013.9	1016.8	1020.0	1018.2	1011.4	971.2	830.5	689.8	695.7	701.6	745.3
40°	973.3	979.0	985.7	985.7	979.0	935.6	782.3	629.0	649.3	669.5	716.9
42.5°	932.7	939.7	948.3	949.2	942.4	899.5	748.0	596.5	618.6	640.7	689.8
45°	871.3	879.2	888.2	889.3	882.6	843.7	708.4	573.2	586.7	600.2	647.6
47.5°	799.3	810.6	824.1	825.2	813.9	775.7	656.7	537.7	547.6	557.5	606.0
50°	754.6	765.9	779.4	780.6	769.3	731.5	614.3	497.1	510.6	524.1	574.9
52.5°	701.9	714.5	729.8	732.8	723.3	688.7	578.7	468.7	476.8	484.9	539.7
55°	627.3	640.8	656.6	661.1	654.3	626.1	533.7	441.3	434.5	427.8	483.6
57.5°	548.9	564.4	582.4	587.8	580.6	553.2	465.3	377.4	371.5	365.7	426.1
60°	499.3	515.7	533.7	538.2	529.2	502.7	423.8	344.9	333.6	322.4	385.5
62.5°	450.6	467.0	485.0	487.7	475.1	448.2	378.3	308.4	300.7	293.1	354.4
65°	377.6	393.9	412.0	413.1	397.3	370.3	309.4	248.5	253.1	257.6	312.8
67.5°	306.1	323.3	343.1	344.0	326.0	299.4	247.1	194.8	209.7	224.5	274.2
70°	261.5	277.3	295.3	295.3	277.3	252.5	207.4	162.3	182.6	202.9	248.5
72.5°	217.3	234.0	253.8	253.8	234.0	210.6	176.3	142.0	162.3	182.6	220.1
75°	161.2	175.8	193.9	191.6	169.1	147.1	126.8	106.5	126.8	147.1	175.8
77.5°	108.1	120.0	135.4	133.1	113.3	96.0	86.6	77.1	93.8	110.5	130.5
80°	76.1	86.2	99.8	97.5	79.5	65.4	63.1	60.9	72.1	83.4	98.1
82.5°	51.3	59.2	69.1	67.7	55.1	45.1	42.8	40.6	50.0	59.5	69.7
85°	20.3	23.7	28.2	28.2	23.7	20.3	20.3	20.3	24.8	29.3	33.8
87.5°	13.9	14.8	16.6	16.1	12.9	9.7	7.3	5.5	9.1	12.8	16.6
90°	49.2	46.9	46.9	44.5	37.5	28.1	16.4	7.0	16.4	25.8	42.2
92.5°	58.6	58.1	54.4	50.2	41.3	41.3	40.8	25.8	44.5	63.3	91.0
95°	53.9	53.9	63.3	79.7	117.2	119.6	79.7	72.7	103.1	145.3	182.8
97.5°	145.8	173.5	212.9	220.4	208.6	155.7	149.1	138.8	188.9	230.7	291.1
100°	269.6	304.7	332.9	276.6	218.0	215.7	201.6	196.9	250.8	290.7	349.3
102.5°	421.5	432.3	334.7	302.9	289.3	279.4	257.9	255.0	309.0	363.8	413.0
105°	457.1	410.2	412.6	412.6	403.2	384.4	344.6	342.3	403.2	466.5	527.4
107.5°	537.8	544.8	557.0	554.2	543.4	493.2	446.3	435.5	490.4	566.4	633.4
110°	644.7	651.7	656.4	651.7	635.3	572.0	515.7	499.3	548.5	628.2	700.9



TEST NUMBER: P1435867

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	747.8	753.0	763.3	749.2	721.5	648.9	585.1	561.2	610.4	692.0	766.5
115°	911.9	911.9	914.2	907.2	850.9	775.9	691.5	656.4	698.6	773.6	855.6
117.5°	1073.2	1076.0	1066.6	1047.9	982.7	895.5	800.8	744.5	777.8	857.0	941.4
120°	1174.4	1179.1	1169.7	1141.6	1078.3	979.9	872.0	806.4	832.2	909.5	993.9
122.5°	1279.5	1278.5	1267.3	1235.4	1160.8	1058.6	952.7	872.0	882.8	954.6	1037.1
125°	1425.3	1422.9	1413.5	1376.0	1298.7	1193.2	1068.9	970.5	956.4	1017.4	1101.8
127.5°	1564.0	1558.9	1544.3	1498.9	1419.6	1317.9	1181.5	1069.9	1038.5	1076.9	1154.3
130°	1659.7	1652.7	1626.9	1577.6	1500.3	1404.2	1265.9	1139.3	1094.7	1118.2	1186.2
132.5°	1751.6	1731.4	1709.4	1656.4	1584.7	1484.8	1344.6	1212.4	1151.0	1161.3	1214.3
135°	1868.3	1849.6	1821.4	1769.9	1701.9	1603.4	1462.8	1319.8	1235.4	1226.0	1256.5
137.5°	1971.0	1951.3	1919.4	1874.9	1806.4	1718.8	1583.7	1432.8	1326.3	1294.9	1306.6
140°	2034.8	2011.3	1983.2	1938.6	1877.7	1786.3	1655.0	1509.7	1390.1	1345.6	1338.5
142.5°	2087.3	2069.4	2039.4	1998.7	1945.2	1853.8	1726.3	1582.8	1455.7	1398.1	1381.7
145°	2166.0	2152.0	2119.1	2081.6	2037.1	1945.7	1828.5	1685.5	1558.9	1483.9	1448.7
147.5°	2232.6	2221.3	2195.6	2151.5	2114.0	2026.3	1919.4	1792.8	1663.0	1570.1	1524.7
150°	2273.9	2264.5	2238.7	2196.5	2159.0	2076.9	1973.8	1856.6	1732.4	1633.9	1575.3
152.5°	2313.2	2303.9	2274.3	2232.1	2200.3	2123.8	2030.1	1918.5	1792.4	1693.9	1633.4
155°	2365.3	2353.6	2325.4	2285.6	2257.5	2187.1	2100.4	2001.9	1894.1	1791.0	1723.0
157.5°	2406.5	2392.0	2365.8	2331.5	2301.5	2236.8	2161.3	2076.5	1982.2	1883.8	1814.4
160°	2430.9	2414.5	2386.4	2355.9	2327.8	2266.8	2198.8	2121.5	2034.8	1945.7	1870.7
162.5°	2447.8	2433.3	2399.5	2372.8	2348.4	2293.1	2228.9	2159.0	2081.6	2003.8	1934.4
165°	2466.1	2449.7	2414.5	2393.4	2372.3	2325.4	2269.2	2212.9	2147.3	2084.0	2027.7
167.5°	2467.5	2453.9	2418.7	2398.1	2382.6	2342.3	2296.8	2253.7	2202.6	2152.9	2106.0
170°	2463.7	2452.0	2416.9	2398.1	2386.4	2353.6	2313.7	2276.2	2236.4	2194.2	2156.7
172.5°	2450.6	2438.9	2405.6	2390.6	2384.5	2355.4	2323.1	2295.0	2260.7	2229.8	2199.8
175°	2416.9	2407.5	2379.3	2370.0	2372.3	2353.6	2330.1	2313.7	2292.6	2273.9	2257.5
177.5°	2367.6	2362.0	2341.4	2341.4	2348.9	2337.6	2330.1	2322.6	2313.2	2307.6	2302.0
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



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CATALOG NUMBER: SQ2W-FA-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1284.8	1277.5	1272.1	1267.6	1265.8	1264.0	1265.8	1267.6	1272.1	1277.5	1284.8
5°	1210.0	1171.7	1131.1	1097.9	1086.6	1075.3	1086.6	1097.9	1131.1	1171.7	1210.0
7.5°	1076.5	1030.2	1013.1	999.4	995.7	992.1	995.7	999.4	1013.1	1030.2	1076.5
10°	1024.6	987.4	973.9	963.7	963.7	963.7	963.7	963.7	973.9	987.4	1024.6
12.5°	984.0	961.3	960.4	961.9	971.0	980.0	971.0	961.9	960.4	961.3	984.0
15°	953.0	956.4	992.5	1022.3	1033.6	1044.9	1033.6	1022.3	992.5	956.4	953.0
17.5°	942.3	961.7	1006.3	1042.1	1051.1	1060.1	1051.1	1042.1	1006.3	961.7	942.3
20°	955.8	980.6	1014.5	1042.1	1051.1	1060.1	1051.1	1042.1	1014.5	980.6	955.8
22.5°	959.0	989.2	1015.8	1038.0	1047.0	1056.1	1047.0	1038.0	1015.8	989.2	959.0
25°	949.1	985.2	1007.7	1025.7	1030.2	1034.7	1030.2	1025.7	1007.7	985.2	949.1
27.5°	925.2	964.9	987.4	1005.1	1008.3	1011.4	1008.3	1005.1	987.4	964.9	925.2
30°	904.0	944.6	967.1	985.7	992.5	999.2	992.5	985.7	967.1	944.6	904.0
32.5°	873.3	914.8	942.8	964.1	965.4	966.8	965.4	964.1	942.8	914.8	873.3
35°	835.2	878.1	909.6	932.7	930.5	928.2	930.5	932.7	909.6	878.1	835.2
37.5°	801.6	843.6	871.1	892.4	895.1	897.8	895.1	892.4	871.1	843.6	801.6
40°	773.2	816.1	845.4	868.5	873.0	877.5	873.0	868.5	845.4	816.1	773.2
42.5°	748.0	791.7	821.0	844.1	848.7	853.2	848.7	844.1	821.0	791.7	748.0
45°	706.2	751.3	782.8	807.1	809.3	811.6	809.3	807.1	782.8	751.3	706.2
47.5°	667.3	712.6	741.9	764.5	766.7	769.0	766.7	764.5	741.9	712.6	667.3
50°	638.0	684.2	713.5	736.0	738.3	740.6	738.3	736.0	713.5	684.2	638.0
52.5°	610.0	658.0	683.7	703.6	705.8	708.1	705.8	703.6	683.7	658.0	610.0
55°	560.2	610.9	635.7	654.3	654.3	654.3	654.3	635.7	610.9	560.2	560.2
57.5°	508.6	560.7	582.3	599.2	601.9	604.6	601.9	599.2	582.3	560.7	508.6
60°	473.4	526.4	544.4	559.1	563.6	568.1	563.6	559.1	544.4	526.4	473.4
62.5°	438.7	489.9	507.9	522.1	524.8	527.5	524.8	522.1	507.9	489.9	438.7
65°	384.9	430.0	448.1	462.1	464.4	466.7	464.4	462.1	448.1	430.0	384.9
67.5°	335.6	372.5	385.2	395.1	396.9	398.7	396.9	395.1	385.2	372.5	335.6
70°	302.6	334.2	343.2	350.0	350.0	350.0	350.0	350.0	343.2	334.2	302.6
72.5°	263.4	289.6	298.6	305.8	307.6	309.4	307.6	305.8	298.6	289.6	263.4
75°	207.4	226.6	233.3	239.0	241.2	243.5	241.2	239.0	233.3	226.6	207.4
77.5°	151.7	164.3	168.4	172.0	174.3	176.5	174.3	172.0	168.4	164.3	151.7
80°	113.8	122.9	125.1	127.4	129.6	131.9	129.6	127.4	125.1	122.9	113.8
82.5°	80.0	86.3	88.6	90.4	90.9	91.3	90.9	90.4	88.6	86.3	80.0
85°	38.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	38.3
87.5°	18.9	22.2	25.5	27.3	29.2	28.3	29.2	27.3	25.5	22.2	18.9
90°	53.9	70.3	86.7	96.1	105.5	100.8	105.5	96.1	86.7	70.3	53.9
92.5°	108.3	136.0	156.1	173.0	180.5	179.6	180.5	173.0	156.1	136.0	108.3
95°	218.0	250.8	283.6	307.1	321.2	316.5	321.2	307.1	283.6	250.8	218.0
97.5°	336.2	380.2	416.8	438.8	452.9	462.3	452.9	438.8	416.8	380.2	336.2
100°	414.9	457.1	499.3	525.1	548.5	557.9	548.5	525.1	499.3	457.1	414.9
102.5°	478.7	534.0	580.0	607.6	627.3	636.7	627.3	607.6	580.0	534.0	478.7
105°	583.7	642.3	691.5	726.7	747.8	754.8	747.8	726.7	691.5	642.3	583.7
107.5°	688.7	749.2	794.7	833.6	859.4	874.4	859.4	833.6	794.7	749.2	688.7
110°	771.2	820.5	869.7	904.9	930.6	940.0	930.6	904.9	869.7	820.5	771.2



TEST NUMBER: P1435867

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	840.6	895.5	944.7	979.9	1009.4	1022.5	1009.4	979.9	944.7	895.5	840.6
115°	937.7	1010.3	1054.9	1087.7	1108.8	1120.5	1108.8	1087.7	1054.9	1010.3	937.7
117.5°	1018.3	1094.3	1143.0	1168.3	1178.2	1186.6	1178.2	1168.3	1143.0	1094.3	1018.3
120°	1068.9	1139.3	1195.5	1228.4	1240.1	1244.8	1240.1	1228.4	1195.5	1139.3	1068.9
122.5°	1115.8	1182.4	1236.8	1277.1	1296.3	1301.0	1296.3	1277.1	1236.8	1182.4	1115.8
125°	1181.5	1244.8	1301.0	1340.9	1362.0	1373.7	1362.0	1340.9	1301.0	1244.8	1181.5
127.5°	1238.7	1307.1	1358.7	1394.8	1415.4	1424.8	1415.4	1394.8	1358.7	1307.1	1238.7
130°	1270.5	1340.9	1392.4	1432.3	1451.1	1460.4	1451.1	1432.3	1392.4	1340.9	1270.5
132.5°	1294.9	1369.0	1422.5	1458.6	1479.2	1488.6	1479.2	1458.6	1422.5	1369.0	1294.9
135°	1324.5	1401.8	1458.1	1493.2	1512.0	1521.4	1512.0	1493.2	1458.1	1401.8	1324.5
137.5°	1350.3	1420.6	1479.2	1516.2	1533.1	1539.2	1533.1	1516.2	1479.2	1420.6	1350.3
140°	1369.0	1430.0	1488.6	1523.7	1542.5	1544.8	1542.5	1523.7	1488.6	1430.0	1369.0
142.5°	1393.4	1441.2	1492.3	1527.5	1546.2	1550.4	1546.2	1527.5	1492.3	1441.2	1393.4
145°	1437.0	1465.1	1500.3	1533.1	1549.5	1554.2	1549.5	1533.1	1500.3	1465.1	1437.0
147.5°	1491.8	1500.7	1519.0	1540.6	1556.5	1559.8	1556.5	1540.6	1519.0	1500.7	1491.8
150°	1533.1	1530.8	1537.8	1551.9	1565.9	1563.6	1565.9	1551.9	1537.8	1530.8	1533.1
152.5°	1580.0	1566.4	1565.9	1572.5	1579.0	1578.6	1579.0	1572.5	1565.9	1566.4	1580.0
155°	1659.7	1633.9	1619.8	1615.1	1615.1	1612.8	1615.1	1615.1	1619.8	1633.9	1659.7
157.5°	1747.4	1711.3	1690.2	1678.9	1675.6	1670.5	1675.6	1678.9	1690.2	1711.3	1747.4
160°	1807.4	1767.5	1746.4	1727.7	1720.6	1713.6	1720.6	1727.7	1746.4	1767.5	1807.4
162.5°	1863.6	1825.7	1802.7	1785.8	1778.8	1768.0	1778.8	1785.8	1802.7	1825.7	1863.6
165°	1955.1	1915.2	1889.4	1875.3	1866.0	1856.6	1866.0	1875.3	1889.4	1915.2	1955.1
167.5°	2046.5	2002.9	1986.0	1970.1	1961.1	1944.3	1961.1	1970.1	1986.0	2002.9	2046.5
170°	2102.7	2062.9	2053.5	2039.4	2023.0	2004.3	2023.0	2039.4	2053.5	2062.9	2102.7
172.5°	2151.5	2124.8	2115.4	2101.3	2096.2	2081.2	2096.2	2101.3	2115.4	2124.8	2151.5
175°	2222.3	2201.2	2201.2	2198.8	2191.8	2177.7	2191.8	2198.8	2201.2	2201.2	2222.3
177.5°	2281.4	2270.1	2277.6	2277.6	2275.7	2262.6	2275.7	2277.6	2277.6	2270.1	2281.4
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1435867

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1308.7	1308.7	1308.7	1308.7
2.5°	1293.8	1300.5	1300.5	1300.5
5°	1246.1	1274.8	1281.6	1288.4
7.5°	1151.7	1215.8	1246.0	1276.2
10°	1085.5	1146.3	1207.2	1268.1
12.5°	1028.7	1083.7	1169.8	1255.9
15°	982.3	1028.5	1125.5	1222.4
17.5°	948.2	977.9	1079.4	1180.8
20°	940.1	953.6	1055.0	1156.5
22.5°	925.2	924.7	1024.4	1124.0
25°	899.5	884.3	972.2	1060.1
27.5°	868.4	843.1	912.6	982.0
30°	845.4	816.1	874.7	933.3
32.5°	818.3	787.7	830.1	872.4
35°	781.1	745.1	763.1	781.1
37.5°	745.3	701.6	695.7	689.8
40°	716.9	669.5	649.3	629.0
42.5°	689.8	640.7	618.6	596.5
45°	647.6	600.2	586.7	573.2
47.5°	606.0	557.5	547.6	537.7
50°	574.9	524.1	510.6	497.1
52.5°	539.7	484.9	476.8	468.7
55°	483.6	427.8	434.5	441.3
57.5°	426.1	365.7	371.5	377.4
60°	385.5	322.4	333.6	344.9
62.5°	354.4	293.1	300.7	308.4
65°	312.8	257.6	253.1	248.5
67.5°	274.2	224.5	209.7	194.8
70°	248.5	202.9	182.6	162.3
72.5°	220.1	182.6	162.3	142.0
75°	175.8	147.1	126.8	106.5
77.5°	130.5	110.5	93.8	77.1
80°	98.1	83.4	72.1	60.9
82.5°	69.7	59.5	50.0	40.6
85°	33.8	29.3	24.8	20.3
87.5°	16.6	12.8	9.1	5.5
90°	42.2	25.8	16.4	7.0
92.5°	91.0	63.3	44.5	25.8
95°	182.8	145.3	103.1	72.7
97.5°	291.1	230.7	188.9	138.8
100°	349.3	290.7	250.8	196.9
102.5°	413.0	363.8	309.0	255.0
105°	527.4	466.5	403.2	342.3
107.5°	633.4	566.4	490.4	435.5
110°	700.9	628.2	548.5	499.3



TEST NUMBER: P1435867

CATALOG NUMBER: SQ2W-FA-K-150U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	766.5	692.0	610.4	561.2
115°	855.6	773.6	698.6	656.4
117.5°	941.4	857.0	777.8	744.5
120°	993.9	909.5	832.2	806.4
122.5°	1037.1	954.6	882.8	872.0
125°	1101.8	1017.4	956.4	970.5
127.5°	1154.3	1076.9	1038.5	1069.9
130°	1186.2	1118.2	1094.7	1139.3
132.5°	1214.3	1161.3	1151.0	1212.4
135°	1256.5	1226.0	1235.4	1319.8
137.5°	1306.6	1294.9	1326.3	1432.8
140°	1338.5	1345.6	1390.1	1509.7
142.5°	1381.7	1398.1	1455.7	1582.8
145°	1448.7	1483.9	1558.9	1685.5
147.5°	1524.7	1570.1	1663.0	1792.8
150°	1575.3	1633.9	1732.4	1856.6
152.5°	1633.4	1693.9	1792.4	1918.5
155°	1723.0	1791.0	1894.1	2001.9
157.5°	1814.4	1883.8	1982.2	2076.5
160°	1870.7	1945.7	2034.8	2121.5
162.5°	1934.4	2003.8	2081.6	2159.0
165°	2027.7	2084.0	2147.3	2212.9
167.5°	2106.0	2152.9	2202.6	2253.7
170°	2156.7	2194.2	2236.4	2276.2
172.5°	2199.8	2229.8	2260.7	2295.0
175°	2257.5	2273.9	2292.6	2313.7
177.5°	2302.0	2307.6	2313.2	2322.6
180°	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1435867
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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	15.09	15.81	16.18	16.90	18.40	16.28	17.01	17.38	18.10	19.60
	3H	16.16	16.81	17.27	17.91	19.43	17.52	18.16	18.62	19.26	20.78
	4H	16.51	17.12	17.62	18.22	19.75	17.90	18.51	19.01	19.62	21.14
	6H	16.66	17.23	17.79	18.33	19.87	18.05	18.62	19.18	19.72	21.26
	8H	16.69	17.23	17.82	18.35	19.88	18.07	18.61	19.20	19.73	21.26
	12H	16.69	17.20	17.82	18.31	19.86	18.05	18.56	19.18	19.68	21.23
4H	2H	15.94	16.55	17.06	17.65	19.18	16.85	17.46	17.97	18.57	20.09
	3H	17.31	17.82	18.44	18.95	20.49	18.30	18.81	19.43	19.94	21.48
	4H	17.76	18.23	18.89	19.35	20.90	18.77	19.24	19.90	20.36	21.92
	6H	17.98	18.38	19.12	19.52	21.07	18.99	19.39	20.12	20.53	22.08
	8H	18.04	18.41	19.17	19.54	21.11	19.03	19.41	20.17	20.54	22.10
	12H	18.03	18.37	19.19	19.52	21.09	19.01	19.35	20.17	20.50	22.07
8H	4H	18.13	18.51	19.27	19.64	21.21	18.95	19.33	20.09	20.46	22.03
	6H	18.48	18.79	19.64	19.96	21.52	19.26	19.57	20.42	20.75	22.31
	8H	18.59	18.86	19.76	20.02	21.60	19.36	19.63	20.52	20.78	22.36
	12H	18.62	18.86	19.79	20.01	21.63	19.37	19.60	20.53	20.76	22.37
12H	4H	18.13	18.47	19.28	19.61	21.18	18.92	19.26	20.07	20.40	21.97
	6H	18.55	18.82	19.71	19.97	21.55	19.28	19.55	20.44	20.71	22.29
	8H	18.69	18.92	19.85	20.07	21.69	19.39	19.63	20.56	20.78	22.39