

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: P1427797

Luminaire Tested: SQ2W-F-K-150U-050D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427797
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-150U-050D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

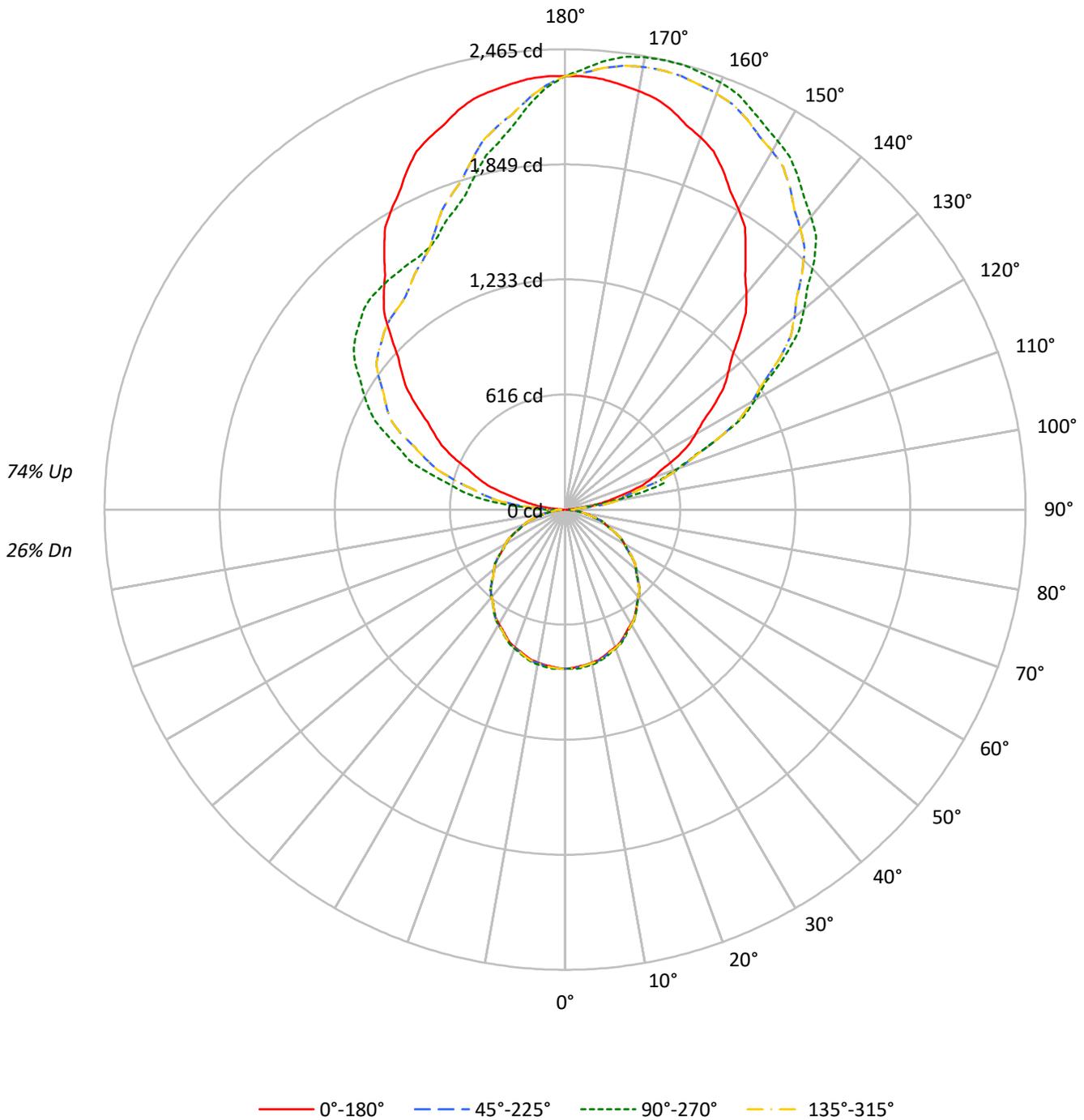
Lumens per Lamp: N/A
Luminaire Lumens: 9187.0 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 72.9
Input Voltage (V): 120
Input Current (Ain): 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: P1427797

CATALOG NUMBER: SQ2W-F-K-150U-050D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	76	73	61	59	57	45	44	42	30	29	29	22
2	84	77	71	66	75	69	64	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	55	68	60	54	49	47	43	39	35	32	30	23	22	20	15
4	70	59	52	46	62	53	47	42	42	37	33	31	28	25	21	19	17	13
5	64	53	45	39	57	47	41	36	37	32	29	27	24	22	19	17	15	11
6	59	47	39	34	52	42	36	31	33	28	25	25	21	19	17	15	13	10
7	54	42	35	29	48	38	31	27	30	25	22	22	19	17	15	13	12	9
8	50	38	31	26	45	34	28	23	27	22	19	20	17	15	14	12	10	8
9	47	35	28	23	41	31	25	21	25	20	17	19	15	13	13	11	9	7
10	43	32	25	20	39	29	23	18	23	18	15	17	14	12	12	10	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13775	13775	13775	13775
5°	13692	13847	13692	13847
10°	13644	13801	13644	13801
15°	13569	13740	13569	13740
20°	13483	13617	13483	13617
25°	13338	13455	13338	13455
30°	13196	13285	13196	13285
35°	13026	13111	13026	13111
40°	12880	12918	12880	12918
45°	12691	12691	12691	12691
50°	12436	12466	12436	12466
55°	12143	12160	12143	12160
60°	11815	11815	11815	11815
65°	11431	11385	11431	11385
70°	10891	10777	10891	10777
75°	10156	9931	10156	9931
80°	9047	8601	9047	8601
85°	7243	6113	7243	6113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12775 cd/sqm



TEST NUMBER: P1427797

CATALOG NUMBER: SQ2W-F-K-150U-050D-L840-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	0.9
10°-20°	230.7	2.5
20°-30°	347.2	3.8
30°-40°	415.2	4.5
40°-50°	428.8	4.7
50°-60°	386.7	4.2
60°-70°	296.2	3.2
70°-80°	171.2	1.9
80°-90°	54.1	0.6
90°-100°	184.7	2.0
100°-110°	538.6	5.9
110°-120°	879.0	9.6
120°-130°	1115.4	12.1
130°-140°	1193.5	13.0
140°-150°	1114.5	12.1
150°-160°	917.1	10.0
160°-170°	615.0	6.7
170°-180°	218.4	2.4
0°-30°	658.6	7.2
0°-40°	1073.9	11.7
0°-60°	1889.3	20.6
0°-90°	2410.9	26.2
90°-120°	1602.3	17.4
90°-150°	5025.7	54.7
90°-180°	6776.0	73.8
0°-180°	9187.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	853	853	853	853	853	
5°	845	854	845	854	845	80
15°	812	822	812	822	812	229
25°	749	755	749	755	749	345
35°	661	665	661	665	661	414
45°	556	556	556	556	556	428
55°	431	432	431	432	431	385
65°	299	298	299	298	299	296
75°	163	159	163	159	163	172
85°	39	33	39	33	39	46
90°	7	52	7	101	7	7
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	



TEST NUMBER: P1427797

CATALOG NUMBER: SQ2W-F-K-150U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2
2.5°	848.9	853.0	857.0	855.3	851.7	850.3	851.1	851.9	852.3	852.7	852.3
5°	844.8	850.2	855.5	853.6	849.4	847.5	848.0	849.1	851.8	854.4	851.8
7.5°	838.0	843.3	848.6	846.9	842.9	841.2	841.8	843.0	845.8	848.5	845.8
10°	832.2	837.5	842.9	841.0	836.7	835.1	836.2	837.5	839.7	841.8	839.7
12.5°	825.0	830.3	835.7	834.1	830.3	828.7	829.3	830.4	832.7	835.1	832.7
15°	811.8	817.1	822.4	821.0	817.2	815.8	816.6	817.7	819.8	822.0	819.8
17.5°	795.8	800.8	805.8	804.5	801.0	799.7	800.6	801.8	803.6	805.5	803.6
20°	784.7	789.5	794.3	792.9	789.5	787.9	788.1	788.8	790.7	792.5	790.7
22.5°	771.3	776.1	780.9	779.6	776.4	774.5	773.9	774.0	776.3	778.6	776.3
25°	748.7	753.5	758.3	757.3	754.3	752.5	751.7	751.5	753.4	755.3	753.4
27.5°	725.1	729.1	733.1	732.3	729.8	728.3	727.8	727.7	729.1	730.4	729.1
30°	707.8	711.8	715.8	714.8	712.2	710.6	710.0	710.0	711.3	712.6	711.3
32.5°	689.5	693.3	697.1	695.8	692.7	691.1	691.0	691.3	692.8	694.4	692.8
35°	660.9	664.2	667.4	666.0	663.0	661.7	662.0	662.5	663.8	665.2	663.8
37.5°	632.2	634.7	637.1	635.7	633.0	631.6	631.5	631.8	632.9	634.0	632.9
40°	611.1	613.7	616.4	614.9	611.9	610.3	610.1	610.2	611.5	612.9	611.5
42.5°	589.4	591.5	593.5	592.1	589.6	588.4	588.6	588.9	589.6	590.3	589.6
45°	555.8	557.7	559.5	558.2	555.8	554.6	554.6	554.7	555.3	555.8	555.3
47.5°	520.6	522.0	523.5	522.4	520.6	519.5	519.1	519.1	520.0	520.8	520.0
50°	495.1	497.0	498.8	497.9	496.0	494.8	494.3	494.2	495.2	496.3	495.2
52.5°	470.1	472.2	474.3	473.4	471.5	470.2	469.5	469.1	470.0	470.8	470.0
55°	431.4	433.8	436.2	435.6	434.0	432.7	431.6	431.0	431.5	432.0	431.5
57.5°	391.9	394.2	396.6	396.1	394.7	393.4	392.1	391.3	392.1	392.8	392.1
60°	365.9	368.1	370.2	369.5	367.9	366.6	365.5	364.9	365.4	365.9	365.4
62.5°	339.5	341.6	343.8	342.9	341.1	339.7	338.6	337.9	338.5	339.0	338.5
65°	299.2	301.1	303.0	302.2	300.6	299.3	298.2	297.5	297.8	298.0	297.8
67.5°	258.6	260.2	261.8	261.1	259.5	258.0	256.4	255.4	255.8	256.2	255.8
70°	230.7	232.3	233.9	233.3	232.0	230.7	229.3	228.3	228.3	228.3	228.3
72.5°	203.8	205.2	206.6	205.8	204.2	202.9	201.8	200.9	200.9	200.9	200.9
75°	162.8	163.6	164.4	164.0	163.2	162.2	160.8	159.8	159.5	159.2	159.5
77.5°	123.3	123.3	123.3	122.5	121.5	120.5	119.5	118.7	118.3	118.0	118.3
80°	97.3	97.3	97.3	96.7	95.9	95.1	94.3	93.6	93.1	92.5	93.1
82.5°	73.3	72.9	72.5	71.7	70.9	69.9	68.7	67.9	68.4	69.0	68.4
85°	39.1	38.5	38.0	37.3	36.5	35.5	34.4	33.6	33.3	33.0	33.3
87.5°	13.4	14.9	16.8	18.1	18.8	18.6	17.7	17.5	17.7	17.5	17.7
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



TEST NUMBER: P1427797

CATALOG NUMBER: SQ2W-F-K-150U-050D-L840-UNV-STD-W-WM-4

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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CATALOG NUMBER: SQ2W-F-K-150U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2
2.5°	851.9	851.1	850.3	851.7	855.3	857.0	853.0	848.9	853.0	857.0	855.3
5°	849.1	848.0	847.5	849.4	853.6	855.5	850.2	844.8	850.2	855.5	853.6
7.5°	843.0	841.8	841.2	842.9	846.9	848.6	843.3	838.0	843.3	848.6	846.9
10°	837.5	836.2	835.1	836.7	841.0	842.9	837.5	832.2	837.5	842.9	841.0
12.5°	830.4	829.3	828.7	830.3	834.1	835.7	830.3	825.0	830.3	835.7	834.1
15°	817.7	816.6	815.8	817.2	821.0	822.4	817.1	811.8	817.1	822.4	821.0
17.5°	801.8	800.6	799.7	801.0	804.5	805.8	800.8	795.8	800.8	805.8	804.5
20°	788.8	788.1	787.9	789.5	792.9	794.3	789.5	784.7	789.5	794.3	792.9
22.5°	774.0	773.9	774.5	776.4	779.6	780.9	776.1	771.3	776.1	780.9	779.6
25°	751.5	751.7	752.5	754.3	757.3	758.3	753.5	748.7	753.5	758.3	757.3
27.5°	727.7	727.8	728.3	729.8	732.3	733.1	729.1	725.1	729.1	733.1	732.3
30°	710.0	710.0	710.6	712.2	714.8	715.8	711.8	707.8	711.8	715.8	714.8
32.5°	691.3	691.0	691.1	692.7	695.8	697.1	693.3	689.5	693.3	697.1	695.8
35°	662.5	662.0	661.7	663.0	666.0	667.4	664.2	660.9	664.2	667.4	666.0
37.5°	631.8	631.5	631.6	633.0	635.7	637.1	634.7	632.2	634.7	637.1	635.7
40°	610.2	610.1	610.3	611.9	614.9	616.4	613.7	611.1	613.7	616.4	614.9
42.5°	588.9	588.6	588.4	589.6	592.1	593.5	591.5	589.4	591.5	593.5	592.1
45°	554.7	554.6	554.6	555.8	558.2	559.5	557.7	555.8	557.7	559.5	558.2
47.5°	519.1	519.1	519.5	520.6	522.4	523.5	522.0	520.6	522.0	523.5	522.4
50°	494.2	494.3	494.8	496.0	497.9	498.8	497.0	495.1	497.0	498.8	497.9
52.5°	469.1	469.5	470.2	471.5	473.4	474.3	472.2	470.1	472.2	474.3	473.4
55°	431.0	431.6	432.7	434.0	435.6	436.2	433.8	431.4	433.8	436.2	435.6
57.5°	391.3	392.1	393.4	394.7	396.1	396.6	394.2	391.9	394.2	396.6	396.1
60°	364.9	365.5	366.6	367.9	369.5	370.2	368.1	365.9	368.1	370.2	369.5
62.5°	337.9	338.6	339.7	341.1	342.9	343.8	341.6	339.5	341.6	343.8	342.9
65°	297.5	298.2	299.3	300.6	302.2	303.0	301.1	299.2	301.1	303.0	302.2
67.5°	255.4	256.4	258.0	259.5	261.1	261.8	260.2	258.6	260.2	261.8	261.1
70°	228.3	229.3	230.7	232.0	233.3	233.9	232.3	230.7	232.3	233.9	233.3
72.5°	200.9	201.8	202.9	204.2	205.8	206.6	205.2	203.8	205.2	206.6	205.8
75°	159.8	160.8	162.2	163.2	164.0	164.4	163.6	162.8	163.6	164.4	164.0
77.5°	118.7	119.5	120.5	121.5	122.5	123.3	123.3	123.3	123.3	123.3	122.5
80°	93.6	94.3	95.1	95.9	96.7	97.3	97.3	97.3	97.3	97.3	96.7
82.5°	67.9	68.7	69.9	70.9	71.7	72.5	72.9	73.3	72.9	72.5	71.7
85°	33.6	34.4	35.5	36.5	37.3	38.0	38.5	39.1	38.5	38.0	37.3
87.5°	17.5	17.7	18.6	18.8	18.1	16.8	14.9	13.4	14.9	16.3	19.0
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: P1427797

CATALOG NUMBER: SQ2W-F-K-150U-050D-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



TEST NUMBER: P1427797

CATALOG NUMBER: SQ2W-F-K-150U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2
2.5°	851.7	850.3	851.1	851.9	852.3	852.7	852.3	851.9	851.1	850.3	851.7
5°	849.4	847.5	848.0	849.1	851.8	854.4	851.8	849.1	848.0	847.5	849.4
7.5°	842.9	841.2	841.8	843.0	845.8	848.5	845.8	843.0	841.8	841.2	842.9
10°	836.7	835.1	836.2	837.5	839.7	841.8	839.7	837.5	836.2	835.1	836.7
12.5°	830.3	828.7	829.3	830.4	832.7	835.1	832.7	830.4	829.3	828.7	830.3
15°	817.2	815.8	816.6	817.7	819.8	822.0	819.8	817.7	816.6	815.8	817.2
17.5°	801.0	799.7	800.6	801.8	803.6	805.5	803.6	801.8	800.6	799.7	801.0
20°	789.5	787.9	788.1	788.8	790.7	792.5	790.7	788.8	788.1	787.9	789.5
22.5°	776.4	774.5	773.9	774.0	776.3	778.6	776.3	774.0	773.9	774.5	776.4
25°	754.3	752.5	751.7	751.5	753.4	755.3	753.4	751.5	751.7	752.5	754.3
27.5°	729.8	728.3	727.8	727.7	729.1	730.4	729.1	727.7	727.8	728.3	729.8
30°	712.2	710.6	710.0	710.0	711.3	712.6	711.3	710.0	710.0	710.6	712.2
32.5°	692.7	691.1	691.0	691.3	692.8	694.4	692.8	691.3	691.0	691.1	692.7
35°	663.0	661.7	662.0	662.5	663.8	665.2	663.8	662.5	662.0	661.7	663.0
37.5°	633.0	631.6	631.5	631.8	632.9	634.0	632.9	631.8	631.5	631.6	633.0
40°	611.9	610.3	610.1	610.2	611.5	612.9	611.5	610.2	610.1	610.3	611.9
42.5°	589.6	588.4	588.6	588.9	589.6	590.3	589.6	588.9	588.6	588.4	589.6
45°	555.8	554.6	554.6	554.7	555.3	555.8	555.3	554.7	554.6	554.6	555.8
47.5°	520.6	519.5	519.1	519.1	520.0	520.8	520.0	519.1	519.1	519.5	520.6
50°	496.0	494.8	494.3	494.2	495.2	496.3	495.2	494.2	494.3	494.8	496.0
52.5°	471.5	470.2	469.5	469.1	470.0	470.8	470.0	469.1	469.5	470.2	471.5
55°	434.0	432.7	431.6	431.0	431.5	432.0	431.5	431.0	431.6	432.7	434.0
57.5°	394.7	393.4	392.1	391.3	392.1	392.8	392.1	391.3	392.1	393.4	394.7
60°	367.9	366.6	365.5	364.9	365.4	365.9	365.4	364.9	365.5	366.6	367.9
62.5°	341.1	339.7	338.6	337.9	338.5	339.0	338.5	337.9	338.6	339.7	341.1
65°	300.6	299.3	298.2	297.5	297.8	298.0	297.8	297.5	298.2	299.3	300.6
67.5°	259.5	258.0	256.4	255.4	255.8	256.2	255.8	255.4	256.4	258.0	259.5
70°	232.0	230.7	229.3	228.3	228.3	228.3	228.3	228.3	229.3	230.7	232.0
72.5°	204.2	202.9	201.8	200.9	200.9	200.9	200.9	200.9	201.8	202.9	204.2
75°	163.2	162.2	160.8	159.8	159.5	159.2	159.5	159.8	160.8	162.2	163.2
77.5°	121.5	120.5	119.5	118.7	118.3	118.0	118.3	118.7	119.5	120.5	121.5
80°	95.9	95.1	94.3	93.6	93.1	92.5	93.1	93.6	94.3	95.1	95.9
82.5°	70.9	69.9	68.7	67.9	68.4	69.0	68.4	67.9	68.7	69.9	70.9
85°	36.5	35.5	34.4	33.6	33.3	33.0	33.3	33.6	34.4	35.5	36.5
87.5°	20.7	23.3	25.7	26.9	28.5	27.4	28.5	26.9	25.7	23.3	20.7
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: P1427797

CATALOG NUMBER: SQ2W-F-K-150U-050D-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: P1427797

CATALOG NUMBER: SQ2W-F-K-150U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	853.2	853.2	853.2	853.2
2.5°	855.3	857.0	853.0	848.9
5°	853.6	855.5	850.2	844.8
7.5°	846.9	848.6	843.3	838.0
10°	841.0	842.9	837.5	832.2
12.5°	834.1	835.7	830.3	825.0
15°	821.0	822.4	817.1	811.8
17.5°	804.5	805.8	800.8	795.8
20°	792.9	794.3	789.5	784.7
22.5°	779.6	780.9	776.1	771.3
25°	757.3	758.3	753.5	748.7
27.5°	732.3	733.1	729.1	725.1
30°	714.8	715.8	711.8	707.8
32.5°	695.8	697.1	693.3	689.5
35°	666.0	667.4	664.2	660.9
37.5°	635.7	637.1	634.7	632.2
40°	614.9	616.4	613.7	611.1
42.5°	592.1	593.5	591.5	589.4
45°	558.2	559.5	557.7	555.8
47.5°	522.4	523.5	522.0	520.6
50°	497.9	498.8	497.0	495.1
52.5°	473.4	474.3	472.2	470.1
55°	435.6	436.2	433.8	431.4
57.5°	396.1	396.6	394.2	391.9
60°	369.5	370.2	368.1	365.9
62.5°	342.9	343.8	341.6	339.5
65°	302.2	303.0	301.1	299.2
67.5°	261.1	261.8	260.2	258.6
70°	233.3	233.9	232.3	230.7
72.5°	205.8	206.6	205.2	203.8
75°	164.0	164.4	163.6	162.8
77.5°	122.5	123.3	123.3	123.3
80°	96.7	97.3	97.3	97.3
82.5°	71.7	72.5	72.9	73.3
85°	37.3	38.0	38.5	39.1
87.5°	19.0	16.3	14.9	13.4
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: P1427797

CATALOG NUMBER: SQ2W-F-K-150U-050D-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: P1427797

CATALOG NUMBER: SQ2W-F-K-150U-050D-L840-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.22	14.91	15.36	16.04	17.61	14.14	14.82	15.27	15.95	17.52
	3H	16.00	16.61	17.14	17.75	19.34	15.89	16.51	17.04	17.65	19.24
	4H	16.68	17.27	17.84	18.41	20.00	16.57	17.16	17.72	18.29	19.89
	6H	17.11	17.65	18.27	18.79	20.40	16.97	17.51	18.13	18.65	20.25
	8H	17.27	17.78	18.43	18.93	20.53	17.11	17.62	18.28	18.78	20.38
	12H	17.35	17.83	18.51	18.98	20.60	17.17	17.66	18.34	18.80	20.42
4H	2H	14.78	15.36	15.94	16.50	18.09	14.71	15.30	15.87	16.43	18.03
	3H	16.78	17.27	17.95	18.44	20.04	16.69	17.18	17.86	18.34	19.95
	4H	17.59	18.04	18.76	19.19	20.82	17.48	17.93	18.65	19.08	20.71
	6H	18.13	18.52	19.31	19.69	21.31	17.99	18.38	19.17	19.55	21.17
	8H	18.34	18.70	19.52	19.87	21.50	18.18	18.54	19.36	19.71	21.34
	12H	18.45	18.78	19.64	19.95	21.59	18.26	18.59	19.45	19.76	21.40
8H	4H	17.82	18.18	18.99	19.34	20.98	17.72	18.08	18.90	19.25	20.88
	6H	18.50	18.80	19.69	20.01	21.63	18.37	18.67	19.56	19.88	21.50
	8H	18.80	19.06	20.00	20.25	21.90	18.65	18.91	19.85	20.09	21.74
	12H	18.98	19.21	20.18	20.39	22.07	18.79	19.02	19.99	20.20	21.88
12H	4H	17.81	18.13	18.99	19.31	20.95	17.71	18.04	18.90	19.22	20.85
	6H	18.55	18.81	19.75	19.99	21.64	18.42	18.68	19.62	19.87	21.52
	8H	18.88	19.10	20.08	20.29	21.97	18.72	18.95	19.93	20.13	21.82