

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: P1427795

Luminaire Tested: SQ2W-F-K-150U-050D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427795
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-L830-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

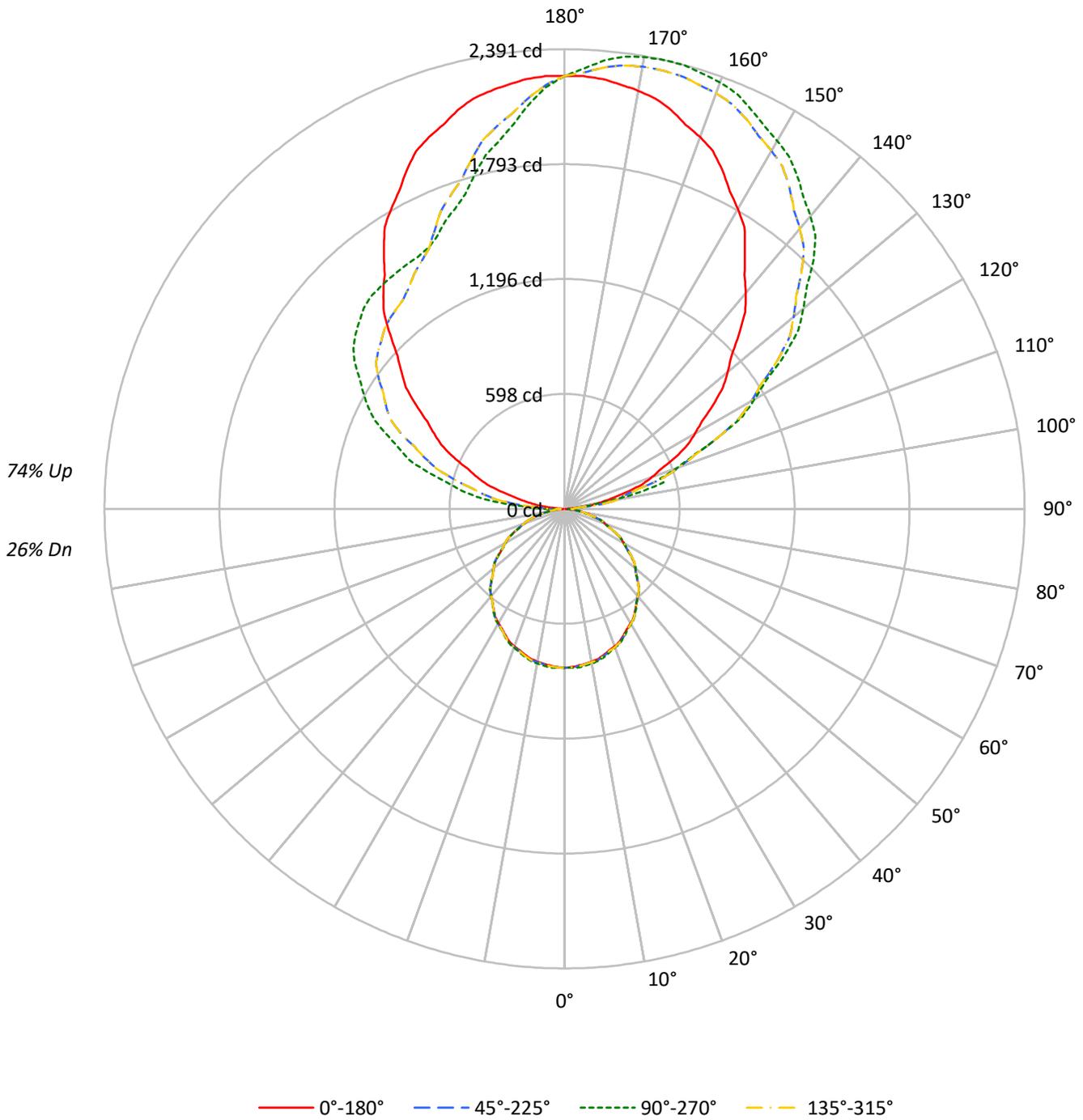
Lumens per Lamp: N/A
Luminaire Lumens: 8913.0 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 72.9
Input Voltage (V): 120
Input Current (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	50	30	10	0	
RCR																						
0	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26				26
1	92	88	84	81	82	79	76	73	61	59	57	45	44	42	30	29	29	22				22
2	84	77	71	66	75	69	64	59	53	50	47	39	37	35	26	25	24	18				18
3	76	67	60	55	68	60	54	49	47	43	39	35	32	30	23	22	20	15				15
4	70	59	52	46	62	53	47	42	42	37	33	31	28	25	21	19	17	13				13
5	64	53	45	39	57	47	41	36	37	32	29	27	24	22	19	17	15	11				11
6	59	47	39	34	52	42	36	31	33	28	25	25	21	19	17	15	13	10				10
7	54	42	35	29	48	38	31	27	30	25	22	22	19	17	15	13	12	9				9
8	50	38	31	26	45	34	28	23	27	22	19	20	17	15	14	12	10	8				8
9	47	35	28	23	41	31	25	21	25	20	17	19	15	13	13	11	9	7				7
10	43	32	25	20	39	29	23	18	23	18	15	17	14	12	12	10	8	6				6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13365	13365	13365	13365
5°	13283	13434	13283	13434
10°	13237	13389	13237	13389
15°	13165	13330	13165	13330
20°	13080	13211	13080	13211
25°	12939	13055	12939	13055
30°	12802	12890	12802	12890
35°	12638	12719	12638	12719
40°	12496	12532	12496	12532
45°	12312	12312	12312	12312
50°	12064	12094	12064	12094
55°	11783	11797	11783	11797
60°	11463	11463	11463	11463
65°	11091	11045	11091	11045
70°	10565	10456	10565	10456
75°	9856	9638	9856	9638
80°	8777	8349	8777	8349
85°	7021	5947	7021	5947

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12394 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	0.9
10°-20°	223.8	2.5
20°-30°	336.9	3.8
30°-40°	402.8	4.5
40°-50°	416.0	4.7
50°-60°	375.2	4.2
60°-70°	287.4	3.2
70°-80°	166.1	1.9
80°-90°	52.5	0.6
90°-100°	179.2	2.0
100°-110°	522.6	5.9
110°-120°	852.8	9.6
120°-130°	1082.1	12.1
130°-140°	1157.9	13.0
140°-150°	1081.2	12.1
150°-160°	889.7	10.0
160°-170°	596.7	6.7
170°-180°	211.9	2.4
0°-30°	639.0	7.2
0°-40°	1041.8	11.7
0°-60°	1833.0	20.6
0°-90°	2339.0	26.2
90°-120°	1554.5	17.4
90°-150°	4875.8	54.7
90°-180°	6574.0	73.8
0°-180°	8913.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	828	828	828	828	828	
5°	820	829	820	829	820	78
15°	788	798	788	798	788	222
25°	726	733	726	733	726	335
35°	641	645	641	645	641	401
45°	539	539	539	539	539	416
55°	419	419	419	419	419	374
65°	290	289	290	289	290	287
75°	158	154	158	154	158	167
85°	38	32	38	32	38	44
90°	7	50	7	98	7	7
95°	70	52	70	307	70	85
105°	332	532	332	732	332	353
115°	637	882	637	1087	637	628
125°	942	1399	942	1333	942	842
135°	1280	1831	1280	1476	1280	989
145°	1635	2110	1635	1508	1635	1023
155°	1942	2292	1942	1565	1942	893
165°	2147	2390	2147	1801	2147	604
175°	2245	2340	2245	2113	2245	213
180°	2252	2252	2252	2252	2252	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8
2.5°	823.6	827.5	831.5	829.8	826.3	824.9	825.8	826.5	826.9	827.3	826.9
5°	819.6	824.8	830.0	828.2	824.0	822.2	822.7	823.8	826.4	828.9	826.4
7.5°	813.0	818.2	823.3	821.7	817.7	816.1	816.7	817.8	820.5	823.2	820.5
10°	807.4	812.6	817.7	815.9	811.8	810.2	811.3	812.6	814.6	816.7	814.6
12.5°	800.4	805.6	810.7	809.2	805.5	804.0	804.6	805.6	807.9	810.2	807.9
15°	787.6	792.7	797.9	796.5	792.9	791.4	792.2	793.3	795.4	797.5	795.4
17.5°	772.0	776.9	781.8	780.5	777.1	775.9	776.8	777.9	779.7	781.5	779.7
20°	761.3	766.0	770.6	769.3	765.9	764.4	764.6	765.3	767.1	768.9	767.1
22.5°	748.3	752.9	757.6	756.4	753.2	751.4	750.8	750.9	753.1	755.4	753.1
25°	726.3	731.0	735.7	734.7	731.9	730.0	729.3	729.1	730.9	732.8	730.9
27.5°	703.5	707.4	711.3	710.5	708.1	706.6	706.1	706.0	707.3	708.6	707.3
30°	686.7	690.6	694.5	693.5	690.9	689.4	688.8	688.8	690.1	691.4	690.1
32.5°	669.0	672.7	676.3	675.0	672.0	670.4	670.3	670.6	672.1	673.6	672.1
35°	641.2	644.3	647.5	646.1	643.2	641.9	642.2	642.7	644.0	645.3	644.0
37.5°	613.4	615.8	618.1	616.8	614.1	612.8	612.7	612.9	614.0	615.1	614.0
40°	592.9	595.4	598.0	596.5	593.7	592.1	591.9	592.0	593.3	594.6	593.3
42.5°	571.9	573.8	575.8	574.5	572.0	570.9	571.0	571.3	572.0	572.7	572.0
45°	539.2	541.0	542.8	541.6	539.2	538.1	538.1	538.2	538.7	539.2	538.7
47.5°	505.1	506.5	507.9	506.8	505.0	504.0	503.7	503.6	504.5	505.3	504.5
50°	480.3	482.2	484.0	483.1	481.3	480.1	479.6	479.4	480.5	481.5	480.5
52.5°	456.1	458.1	460.1	459.3	457.5	456.2	455.5	455.1	456.0	456.8	456.0
55°	418.6	420.9	423.2	422.6	421.1	419.8	418.7	418.1	418.6	419.1	418.6
57.5°	380.2	382.5	384.8	384.3	383.0	381.7	380.4	379.7	380.4	381.1	380.4
60°	355.0	357.1	359.2	358.5	357.0	355.7	354.6	354.0	354.5	355.0	354.5
62.5°	329.4	331.4	333.5	332.7	330.9	329.5	328.5	327.9	328.4	328.9	328.4
65°	290.3	292.1	293.9	293.2	291.7	290.4	289.3	288.6	288.9	289.1	288.9
67.5°	250.9	252.5	254.0	253.3	251.8	250.3	248.8	247.7	248.2	248.6	248.2
70°	223.8	225.4	227.0	226.4	225.1	223.8	222.5	221.5	221.5	221.5	221.5
72.5°	197.7	199.1	200.4	199.6	198.1	196.8	195.8	194.9	194.9	194.9	194.9
75°	158.0	158.8	159.5	159.1	158.4	157.3	156.0	155.0	154.7	154.5	154.7
77.5°	119.6	119.6	119.6	118.9	117.9	116.9	115.9	115.1	114.8	114.5	114.8
80°	94.4	94.4	94.4	93.9	93.1	92.3	91.5	90.8	90.3	89.8	90.3
82.5°	71.1	70.7	70.3	69.6	68.8	67.8	66.6	65.9	66.4	66.9	66.4
85°	37.9	37.4	36.9	36.1	35.4	34.5	33.4	32.6	32.3	32.1	32.3
87.5°	13.0	14.4	16.3	17.5	18.3	18.0	17.2	17.0	17.2	17.0	17.2
90°	6.8	15.9	27.3	36.4	43.2	45.5	45.5	47.8	50.0	50.0	50.0
92.5°	25.0	39.6	40.0	40.0	48.7	52.8	56.4	56.9	59.1	59.1	59.1
95°	70.5	77.3	116.0	113.7	77.3	61.4	52.3	52.3	52.3	52.3	52.3
97.5°	134.6	144.6	151.0	202.4	213.8	206.5	168.3	141.5	126.4	119.6	126.4
100°	191.0	195.6	209.2	211.5	268.4	322.9	295.7	261.5	250.2	243.3	250.2
102.5°	247.4	250.2	271.1	280.6	293.8	324.8	419.4	408.9	401.2	399.8	401.2
105°	332.0	334.3	373.0	391.2	400.3	400.3	398.0	443.5	516.3	532.2	516.3
107.5°	422.6	433.0	478.5	527.2	537.6	540.4	528.5	521.7	519.0	520.8	519.0
110°	484.4	500.3	554.9	616.3	632.2	636.8	632.2	625.4	620.9	620.9	620.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	544.5	567.7	629.5	700.0	726.9	740.5	730.5	725.5	720.9	724.6	720.9
115°	636.8	670.9	752.8	825.6	880.1	887.0	884.7	884.7	882.4	882.4	882.4
117.5°	722.3	776.9	868.8	953.4	1016.6	1034.8	1043.9	1041.2	1038.4	1043.0	1038.4
120°	782.3	846.0	950.6	1046.2	1107.6	1134.9	1144.0	1139.4	1144.0	1139.4	1144.0
122.5°	846.0	924.3	1027.1	1126.2	1198.5	1229.5	1240.4	1241.3	1242.2	1239.5	1242.2
125°	941.5	1037.1	1157.6	1259.9	1335.0	1371.4	1380.5	1382.8	1387.3	1398.7	1387.3
127.5°	1038.0	1146.2	1278.6	1377.3	1454.2	1498.3	1512.4	1517.4	1526.9	1531.9	1526.9
130°	1105.3	1228.1	1362.3	1455.5	1530.6	1578.3	1603.4	1610.2	1621.6	1619.3	1621.6
132.5°	1176.3	1304.5	1440.5	1537.4	1607.0	1658.4	1679.8	1699.3	1703.4	1706.6	1703.4
135°	1280.4	1419.1	1555.6	1651.1	1717.1	1767.1	1794.4	1812.6	1824.0	1830.8	1824.0
137.5°	1390.0	1536.5	1667.5	1752.6	1819.0	1862.2	1893.1	1912.2	1924.0	1929.5	1924.0
140°	1464.6	1605.6	1733.0	1821.7	1880.8	1924.0	1951.3	1974.1	1987.7	1987.7	1987.7
142.5°	1535.6	1674.8	1798.5	1887.2	1939.0	1978.6	2007.7	2025.0	2040.5	2040.5	2040.5
145°	1635.2	1773.9	1887.6	1976.3	2019.6	2055.9	2087.8	2101.4	2110.5	2110.5	2110.5
147.5°	1739.4	1862.2	1965.9	2050.9	2087.3	2130.1	2155.1	2166.0	2177.4	2172.4	2177.4
150°	1801.2	1914.9	2015.0	2094.6	2131.0	2171.9	2196.9	2206.0	2217.4	2210.6	2217.4
152.5°	1861.3	1969.5	2060.5	2134.6	2165.6	2206.5	2235.2	2244.2	2252.0	2247.0	2252.0
155°	1942.2	2037.7	2121.9	2190.1	2217.4	2256.1	2283.4	2294.7	2303.8	2292.5	2303.8
157.5°	2014.5	2096.9	2170.1	2232.9	2262.0	2295.2	2320.7	2334.8	2343.9	2338.9	2343.9
160°	2058.2	2133.3	2199.2	2258.3	2285.6	2315.2	2342.5	2358.4	2367.5	2360.7	2367.5
162.5°	2094.6	2162.4	2224.7	2278.4	2302.0	2327.9	2360.7	2374.8	2383.9	2375.2	2383.9
165°	2146.9	2201.5	2256.1	2301.6	2322.0	2342.5	2376.6	2392.5	2399.4	2390.3	2399.4
167.5°	2186.5	2228.3	2272.5	2311.6	2326.6	2346.6	2380.7	2393.9	2402.5	2391.2	2402.5
170°	2208.3	2244.7	2283.4	2315.2	2326.6	2344.8	2378.9	2390.3	2397.1	2385.7	2397.1
172.5°	2226.5	2253.8	2285.2	2313.4	2319.3	2333.9	2366.2	2377.5	2382.5	2373.0	2382.5
175°	2244.7	2260.6	2283.4	2301.6	2299.3	2308.4	2335.7	2344.8	2353.9	2340.2	2353.9
177.5°	2253.3	2260.6	2267.9	2278.8	2271.5	2271.5	2291.6	2297.0	2298.8	2291.6	2298.8
180°	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8
2.5°	826.5	825.8	824.9	826.3	829.8	831.5	827.5	823.6	827.5	831.5	829.8
5°	823.8	822.7	822.2	824.0	828.2	830.0	824.8	819.6	824.8	830.0	828.2
7.5°	817.8	816.7	816.1	817.7	821.7	823.3	818.2	813.0	818.2	823.3	821.7
10°	812.6	811.3	810.2	811.8	815.9	817.7	812.6	807.4	812.6	817.7	815.9
12.5°	805.6	804.6	804.0	805.5	809.2	810.7	805.6	800.4	805.6	810.7	809.2
15°	793.3	792.2	791.4	792.9	796.5	797.9	792.7	787.6	792.7	797.9	796.5
17.5°	777.9	776.8	775.9	777.1	780.5	781.8	776.9	772.0	776.9	781.8	780.5
20°	765.3	764.6	764.4	765.9	769.3	770.6	766.0	761.3	766.0	770.6	769.3
22.5°	750.9	750.8	751.4	753.2	756.4	757.6	752.9	748.3	752.9	757.6	756.4
25°	729.1	729.3	730.0	731.9	734.7	735.7	731.0	726.3	731.0	735.7	734.7
27.5°	706.0	706.1	706.6	708.1	710.5	711.3	707.4	703.5	707.4	711.3	710.5
30°	688.8	688.8	689.4	690.9	693.5	694.5	690.6	686.7	690.6	694.5	693.5
32.5°	670.6	670.3	670.4	672.0	675.0	676.3	672.7	669.0	672.7	676.3	675.0
35°	642.7	642.2	641.9	643.2	646.1	647.5	644.3	641.2	644.3	647.5	646.1
37.5°	612.9	612.7	612.8	614.1	616.8	618.1	615.8	613.4	615.8	618.1	616.8
40°	592.0	591.9	592.1	593.7	596.5	598.0	595.4	592.9	595.4	598.0	596.5
42.5°	571.3	571.0	570.9	572.0	574.5	575.8	573.8	571.9	573.8	575.8	574.5
45°	538.2	538.1	538.1	539.2	541.6	542.8	541.0	539.2	541.0	542.8	541.6
47.5°	503.6	503.7	504.0	505.0	506.8	507.9	506.5	505.1	506.5	507.9	506.8
50°	479.4	479.6	480.1	481.3	483.1	484.0	482.2	480.3	482.2	484.0	483.1
52.5°	455.1	455.5	456.2	457.5	459.3	460.1	458.1	456.1	458.1	460.1	459.3
55°	418.1	418.7	419.8	421.1	422.6	423.2	420.9	418.6	420.9	423.2	422.6
57.5°	379.7	380.4	381.7	383.0	384.3	384.8	382.5	380.2	382.5	384.8	384.3
60°	354.0	354.6	355.7	357.0	358.5	359.2	357.1	355.0	357.1	359.2	358.5
62.5°	327.9	328.5	329.5	330.9	332.7	333.5	331.4	329.4	331.4	333.5	332.7
65°	288.6	289.3	290.4	291.7	293.2	293.9	292.1	290.3	292.1	293.9	293.2
67.5°	247.7	248.8	250.3	251.8	253.3	254.0	252.5	250.9	252.5	254.0	253.3
70°	221.5	222.5	223.8	225.1	226.4	227.0	225.4	223.8	225.4	227.0	226.4
72.5°	194.9	195.8	196.8	198.1	199.6	200.4	199.1	197.7	199.1	200.4	199.6
75°	155.0	156.0	157.3	158.4	159.1	159.5	158.8	158.0	158.8	159.5	159.1
77.5°	115.1	115.9	116.9	117.9	118.9	119.6	119.6	119.6	119.6	119.6	118.9
80°	90.8	91.5	92.3	93.1	93.9	94.4	94.4	94.4	94.4	94.4	93.9
82.5°	65.9	66.6	67.8	68.8	69.6	70.3	70.7	71.1	70.7	70.3	69.6
85°	32.6	33.4	34.5	35.4	36.1	36.9	37.4	37.9	37.4	36.9	36.1
87.5°	17.0	17.2	18.0	18.3	17.5	16.3	14.4	13.0	14.4	15.8	18.4
90°	47.8	45.5	45.5	43.2	36.4	27.3	15.9	6.8	15.9	25.0	40.9
92.5°	56.9	56.4	52.8	48.7	40.0	40.0	39.6	25.0	43.2	61.4	88.2
95°	52.3	52.3	61.4	77.3	113.7	116.0	77.3	70.5	100.1	141.0	177.4
97.5°	141.5	168.3	206.5	213.8	202.4	151.0	144.6	134.6	183.3	223.8	282.5
100°	261.5	295.7	322.9	268.4	211.5	209.2	195.6	191.0	243.3	282.0	338.9
102.5°	408.9	419.4	324.8	293.8	280.6	271.1	250.2	247.4	299.7	353.0	400.7
105°	443.5	398.0	400.3	400.3	391.2	373.0	334.3	332.0	391.2	452.6	511.7
107.5°	521.7	528.5	540.4	537.6	527.2	478.5	433.0	422.6	475.8	549.5	614.5
110°	625.4	632.2	636.8	632.2	616.3	554.9	500.3	484.4	532.2	609.5	680.0



TEST NUMBER: P1427795

CATALOG NUMBER: SQ2W-F-K-150U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	725.5	730.5	740.5	726.9	700.0	629.5	567.7	544.5	592.2	671.4	743.7
115°	884.7	884.7	887.0	880.1	825.6	752.8	670.9	636.8	677.7	750.5	830.1
117.5°	1041.2	1043.9	1034.8	1016.6	953.4	868.8	776.9	722.3	754.6	831.5	913.3
120°	1139.4	1144.0	1134.9	1107.6	1046.2	950.6	846.0	782.3	807.4	882.4	964.3
122.5°	1241.3	1240.4	1229.5	1198.5	1126.2	1027.1	924.3	846.0	856.5	926.1	1006.1
125°	1382.8	1380.5	1371.4	1335.0	1259.9	1157.6	1037.1	941.5	927.9	987.0	1068.9
127.5°	1517.4	1512.4	1498.3	1454.2	1377.3	1278.6	1146.2	1038.0	1007.5	1044.8	1119.9
130°	1610.2	1603.4	1578.3	1530.6	1455.5	1362.3	1228.1	1105.3	1062.1	1084.8	1150.8
132.5°	1699.3	1679.8	1658.4	1607.0	1537.4	1440.5	1304.5	1176.3	1116.7	1126.7	1178.1
135°	1812.6	1794.4	1767.1	1717.1	1651.1	1555.6	1419.1	1280.4	1198.5	1189.4	1219.0
137.5°	1912.2	1893.1	1862.2	1819.0	1752.6	1667.5	1536.5	1390.0	1286.8	1256.3	1267.7
140°	1974.1	1951.3	1924.0	1880.8	1821.7	1733.0	1605.6	1464.6	1348.6	1305.4	1298.6
142.5°	2025.0	2007.7	1978.6	1939.0	1887.2	1798.5	1674.8	1535.6	1412.3	1356.4	1340.5
145°	2101.4	2087.8	2055.9	2019.6	1976.3	1887.6	1773.9	1635.2	1512.4	1439.6	1405.5
147.5°	2166.0	2155.1	2130.1	2087.3	2050.9	1965.9	1862.2	1739.4	1613.4	1523.3	1479.2
150°	2206.0	2196.9	2171.9	2131.0	2094.6	2015.0	1914.9	1801.2	1680.7	1585.2	1528.3
152.5°	2244.2	2235.2	2206.5	2165.6	2134.6	2060.5	1969.5	1861.3	1738.9	1643.4	1584.7
155°	2294.7	2283.4	2256.1	2217.4	2190.1	2121.9	2037.7	1942.2	1837.6	1737.5	1671.6
157.5°	2334.8	2320.7	2295.2	2262.0	2232.9	2170.1	2096.9	2014.5	1923.1	1827.6	1760.3
160°	2358.4	2342.5	2315.2	2285.6	2258.3	2199.2	2133.3	2058.2	1974.1	1887.6	1814.9
162.5°	2374.8	2360.7	2327.9	2302.0	2278.4	2224.7	2162.4	2094.6	2019.6	1944.0	1876.7
165°	2392.5	2376.6	2342.5	2322.0	2301.6	2256.1	2201.5	2146.9	2083.2	2021.8	1967.2
167.5°	2393.9	2380.7	2346.6	2326.6	2311.6	2272.5	2228.3	2186.5	2136.9	2088.7	2043.2
170°	2390.3	2378.9	2344.8	2326.6	2315.2	2283.4	2244.7	2208.3	2169.7	2128.7	2092.3
172.5°	2377.5	2366.2	2333.9	2319.3	2313.4	2285.2	2253.8	2226.5	2193.3	2163.3	2134.2
175°	2344.8	2335.7	2308.4	2299.3	2301.6	2283.4	2260.6	2244.7	2224.2	2206.0	2190.1
177.5°	2297.0	2291.6	2271.5	2271.5	2278.8	2267.9	2260.6	2253.3	2244.2	2238.8	2233.3
180°	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5



TEST NUMBER: P1427795

CATALOG NUMBER: SQ2W-F-K-150U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8
2.5°	826.3	824.9	825.8	826.5	826.9	827.3	826.9	826.5	825.8	824.9	826.3
5°	824.0	822.2	822.7	823.8	826.4	828.9	826.4	823.8	822.7	822.2	824.0
7.5°	817.7	816.1	816.7	817.8	820.5	823.2	820.5	817.8	816.7	816.1	817.7
10°	811.8	810.2	811.3	812.6	814.6	816.7	814.6	812.6	811.3	810.2	811.8
12.5°	805.5	804.0	804.6	805.6	807.9	810.2	807.9	805.6	804.6	804.0	805.5
15°	792.9	791.4	792.2	793.3	795.4	797.5	795.4	793.3	792.2	791.4	792.9
17.5°	777.1	775.9	776.8	777.9	779.7	781.5	779.7	777.9	776.8	775.9	777.1
20°	765.9	764.4	764.6	765.3	767.1	768.9	767.1	765.3	764.6	764.4	765.9
22.5°	753.2	751.4	750.8	750.9	753.1	755.4	753.1	750.9	750.8	751.4	753.2
25°	731.9	730.0	729.3	729.1	730.9	732.8	730.9	729.1	729.3	730.0	731.9
27.5°	708.1	706.6	706.1	706.0	707.3	708.6	707.3	706.0	706.1	706.6	708.1
30°	690.9	689.4	688.8	688.8	690.1	691.4	690.1	688.8	688.8	689.4	690.9
32.5°	672.0	670.4	670.3	670.6	672.1	673.6	672.1	670.6	670.3	670.4	672.0
35°	643.2	641.9	642.2	642.7	644.0	645.3	644.0	642.7	642.2	641.9	643.2
37.5°	614.1	612.8	612.7	612.9	614.0	615.1	614.0	612.9	612.7	612.8	614.1
40°	593.7	592.1	591.9	592.0	593.3	594.6	593.3	592.0	591.9	592.1	593.7
42.5°	572.0	570.9	571.0	571.3	572.0	572.7	572.0	571.3	571.0	570.9	572.0
45°	539.2	538.1	538.1	538.2	538.7	539.2	538.7	538.2	538.1	538.1	539.2
47.5°	505.0	504.0	503.7	503.6	504.5	505.3	504.5	503.6	503.7	504.0	505.0
50°	481.3	480.1	479.6	479.4	480.5	481.5	480.5	479.4	479.6	480.1	481.3
52.5°	457.5	456.2	455.5	455.1	456.0	456.8	456.0	455.1	455.5	456.2	457.5
55°	421.1	419.8	418.7	418.1	418.6	419.1	418.6	418.1	418.7	419.8	421.1
57.5°	383.0	381.7	380.4	379.7	380.4	381.1	380.4	379.7	380.4	381.7	383.0
60°	357.0	355.7	354.6	354.0	354.5	355.0	354.5	354.0	354.6	355.7	357.0
62.5°	330.9	329.5	328.5	327.9	328.4	328.9	328.4	327.9	328.5	329.5	330.9
65°	291.7	290.4	289.3	288.6	288.9	289.1	288.9	288.6	289.3	290.4	291.7
67.5°	251.8	250.3	248.8	247.7	248.2	248.6	248.2	247.7	248.8	250.3	251.8
70°	225.1	223.8	222.5	221.5	221.5	221.5	221.5	221.5	222.5	223.8	225.1
72.5°	198.1	196.8	195.8	194.9	194.9	194.9	194.9	194.9	195.8	196.8	198.1
75°	158.4	157.3	156.0	155.0	154.7	154.5	154.7	155.0	156.0	157.3	158.4
77.5°	117.9	116.9	115.9	115.1	114.8	114.5	114.8	115.1	115.9	116.9	117.9
80°	93.1	92.3	91.5	90.8	90.3	89.8	90.3	90.8	91.5	92.3	93.1
82.5°	68.8	67.8	66.6	65.9	66.4	66.9	66.4	65.9	66.6	67.8	68.8
85°	35.4	34.5	33.4	32.6	32.3	32.1	32.3	32.6	33.4	34.5	35.4
87.5°	20.1	22.6	24.9	26.1	27.7	26.6	27.7	26.1	24.9	22.6	20.1
90°	52.3	68.2	84.1	93.2	102.3	97.8	102.3	93.2	84.1	68.2	52.3
92.5°	105.1	131.9	151.5	167.8	175.1	174.2	175.1	167.8	151.5	131.9	105.1
95°	211.5	243.3	275.2	297.9	311.6	307.0	311.6	297.9	275.2	243.3	211.5
97.5°	326.1	368.9	404.4	425.7	439.4	448.5	439.4	425.7	404.4	368.9	326.1
100°	402.5	443.5	484.4	509.4	532.2	541.3	532.2	509.4	484.4	443.5	402.5
102.5°	464.4	518.1	562.7	589.5	608.6	617.7	608.6	589.5	562.7	518.1	464.4
105°	566.3	623.1	670.9	705.0	725.5	732.3	725.5	705.0	670.9	623.1	566.3
107.5°	668.2	726.9	771.0	808.7	833.7	848.3	833.7	808.7	771.0	726.9	668.2
110°	748.2	796.0	843.8	877.9	902.9	912.0	902.9	877.9	843.8	796.0	748.2



TEST NUMBER: P1427795

CATALOG NUMBER: SQ2W-F-K-150U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	815.6	868.8	916.5	950.6	979.3	992.0	979.3	950.6	916.5	868.8	815.6
115°	909.7	980.2	1023.4	1055.3	1075.7	1087.1	1075.7	1055.3	1023.4	980.2	909.7
117.5°	987.9	1061.6	1108.9	1133.5	1143.0	1151.2	1143.0	1133.5	1108.9	1061.6	987.9
120°	1037.1	1105.3	1159.9	1191.7	1203.1	1207.6	1203.1	1191.7	1159.9	1105.3	1037.1
122.5°	1082.6	1147.1	1199.9	1239.0	1257.7	1262.2	1257.7	1239.0	1199.9	1147.1	1082.6
125°	1146.2	1207.6	1262.2	1300.9	1321.4	1332.7	1321.4	1300.9	1262.2	1207.6	1146.2
127.5°	1201.7	1268.1	1318.2	1353.2	1373.2	1382.3	1373.2	1353.2	1318.2	1268.1	1201.7
130°	1232.7	1300.9	1350.9	1389.6	1407.8	1416.9	1407.8	1389.6	1350.9	1300.9	1232.7
132.5°	1256.3	1328.2	1380.0	1415.1	1435.1	1444.2	1435.1	1415.1	1380.0	1328.2	1256.3
135°	1285.0	1360.0	1414.6	1448.7	1466.9	1476.0	1466.9	1448.7	1414.6	1360.0	1285.0
137.5°	1310.0	1378.2	1435.1	1471.0	1487.4	1493.3	1487.4	1471.0	1435.1	1378.2	1310.0
140°	1328.2	1387.3	1444.2	1478.3	1496.5	1498.7	1496.5	1478.3	1444.2	1387.3	1328.2
142.5°	1351.8	1398.2	1447.8	1481.9	1500.1	1504.2	1500.1	1481.9	1447.8	1398.2	1351.8
145°	1394.1	1421.4	1455.5	1487.4	1503.3	1507.8	1503.3	1487.4	1455.5	1421.4	1394.1
147.5°	1447.3	1456.0	1473.7	1494.6	1510.1	1513.3	1510.1	1494.6	1473.7	1456.0	1447.3
150°	1487.4	1485.1	1491.9	1505.6	1519.2	1516.9	1519.2	1505.6	1491.9	1485.1	1487.4
152.5°	1532.9	1519.7	1519.2	1525.6	1531.9	1531.5	1531.9	1525.6	1519.2	1519.7	1532.9
155°	1610.2	1585.2	1571.5	1567.0	1567.0	1564.7	1567.0	1567.0	1571.5	1585.2	1610.2
157.5°	1695.2	1660.2	1639.7	1628.8	1625.6	1620.6	1625.6	1628.8	1639.7	1660.2	1695.2
160°	1753.5	1714.8	1694.3	1676.1	1669.3	1662.5	1669.3	1676.1	1694.3	1714.8	1753.5
162.5°	1808.0	1771.2	1748.9	1732.5	1725.7	1715.3	1725.7	1732.5	1748.9	1771.2	1808.0
165°	1896.7	1858.1	1833.1	1819.4	1810.3	1801.2	1810.3	1819.4	1833.1	1858.1	1896.7
167.5°	1985.4	1943.1	1926.8	1911.3	1902.7	1886.3	1902.7	1911.3	1926.8	1943.1	1985.4
170°	2040.0	2001.4	1992.3	1978.6	1962.7	1944.5	1962.7	1978.6	1992.3	2001.4	2040.0
172.5°	2087.3	2061.4	2052.3	2038.7	2033.7	2019.1	2033.7	2038.7	2052.3	2061.4	2087.3
175°	2156.0	2135.5	2135.5	2133.3	2126.4	2112.8	2126.4	2133.3	2135.5	2135.5	2156.0
177.5°	2213.3	2202.4	2209.7	2209.7	2207.9	2195.1	2207.9	2209.7	2209.7	2202.4	2213.3
180°	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5



TEST NUMBER: P1427795

CATALOG NUMBER: SQ2W-F-K-150U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	827.8	827.8	827.8	827.8
2.5°	829.8	831.5	827.5	823.6
5°	828.2	830.0	824.8	819.6
7.5°	821.7	823.3	818.2	813.0
10°	815.9	817.7	812.6	807.4
12.5°	809.2	810.7	805.6	800.4
15°	796.5	797.9	792.7	787.6
17.5°	780.5	781.8	776.9	772.0
20°	769.3	770.6	766.0	761.3
22.5°	756.4	757.6	752.9	748.3
25°	734.7	735.7	731.0	726.3
27.5°	710.5	711.3	707.4	703.5
30°	693.5	694.5	690.6	686.7
32.5°	675.0	676.3	672.7	669.0
35°	646.1	647.5	644.3	641.2
37.5°	616.8	618.1	615.8	613.4
40°	596.5	598.0	595.4	592.9
42.5°	574.5	575.8	573.8	571.9
45°	541.6	542.8	541.0	539.2
47.5°	506.8	507.9	506.5	505.1
50°	483.1	484.0	482.2	480.3
52.5°	459.3	460.1	458.1	456.1
55°	422.6	423.2	420.9	418.6
57.5°	384.3	384.8	382.5	380.2
60°	358.5	359.2	357.1	355.0
62.5°	332.7	333.5	331.4	329.4
65°	293.2	293.9	292.1	290.3
67.5°	253.3	254.0	252.5	250.9
70°	226.4	227.0	225.4	223.8
72.5°	199.6	200.4	199.1	197.7
75°	159.1	159.5	158.8	158.0
77.5°	118.9	119.6	119.6	119.6
80°	93.9	94.4	94.4	94.4
82.5°	69.6	70.3	70.7	71.1
85°	36.1	36.9	37.4	37.9
87.5°	18.4	15.8	14.4	13.0
90°	40.9	25.0	15.9	6.8
92.5°	88.2	61.4	43.2	25.0
95°	177.4	141.0	100.1	70.5
97.5°	282.5	223.8	183.3	134.6
100°	338.9	282.0	243.3	191.0
102.5°	400.7	353.0	299.7	247.4
105°	511.7	452.6	391.2	332.0
107.5°	614.5	549.5	475.8	422.6
110°	680.0	609.5	532.2	484.4



TEST NUMBER: P1427795

CATALOG NUMBER: SQ2W-F-K-150U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	743.7	671.4	592.2	544.5
115°	830.1	750.5	677.7	636.8
117.5°	913.3	831.5	754.6	722.3
120°	964.3	882.4	807.4	782.3
122.5°	1006.1	926.1	856.5	846.0
125°	1068.9	987.0	927.9	941.5
127.5°	1119.9	1044.8	1007.5	1038.0
130°	1150.8	1084.8	1062.1	1105.3
132.5°	1178.1	1126.7	1116.7	1176.3
135°	1219.0	1189.4	1198.5	1280.4
137.5°	1267.7	1256.3	1286.8	1390.0
140°	1298.6	1305.4	1348.6	1464.6
142.5°	1340.5	1356.4	1412.3	1535.6
145°	1405.5	1439.6	1512.4	1635.2
147.5°	1479.2	1523.3	1613.4	1739.4
150°	1528.3	1585.2	1680.7	1801.2
152.5°	1584.7	1643.4	1738.9	1861.3
155°	1671.6	1737.5	1837.6	1942.2
157.5°	1760.3	1827.6	1923.1	2014.5
160°	1814.9	1887.6	1974.1	2058.2
162.5°	1876.7	1944.0	2019.6	2094.6
165°	1967.2	2021.8	2083.2	2146.9
167.5°	2043.2	2088.7	2136.9	2186.5
170°	2092.3	2128.7	2169.7	2208.3
172.5°	2134.2	2163.3	2193.3	2226.5
175°	2190.1	2206.0	2224.2	2244.7
177.5°	2233.3	2238.8	2244.2	2253.3
180°	2251.5	2251.5	2251.5	2251.5



TEST NUMBER: P1427795
 CATALOG NUMBER: SQ2W-F-K-150U-050D-L830-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	14.12	14.80	15.25	15.93	17.50	14.03	14.72	15.17	15.85	17.42
	3H	15.89	16.51	17.04	17.64	19.23	15.79	16.41	16.93	17.54	19.13
	4H	16.58	17.17	17.73	18.30	19.90	16.46	17.05	17.62	18.19	19.78
	6H	17.01	17.55	18.17	18.69	20.29	16.87	17.41	18.03	18.54	20.15
	8H	17.16	17.68	18.33	18.83	20.43	17.01	17.52	18.17	18.67	20.27
	12H	17.24	17.73	18.41	18.88	20.50	17.06	17.55	18.23	18.70	20.32
4H	2H	14.67	15.26	15.84	16.40	17.99	14.61	15.19	15.77	16.33	17.92
	3H	16.68	17.17	17.85	18.33	19.94	16.59	17.08	17.75	18.24	19.84
	4H	17.49	17.94	18.65	19.09	20.71	17.38	17.83	18.54	18.98	20.60
	6H	18.03	18.41	19.20	19.59	21.20	17.89	18.27	19.06	19.45	21.06
	8H	18.24	18.60	19.41	19.76	21.40	18.08	18.44	19.25	19.60	21.24
	12H	18.34	18.67	19.53	19.85	21.48	18.16	18.48	19.35	19.66	21.30
8H	4H	17.72	18.08	18.89	19.24	20.87	17.62	17.98	18.79	19.14	20.78
	6H	18.40	18.69	19.59	19.90	21.53	18.27	18.56	19.46	19.77	21.40
	8H	18.70	18.96	19.90	20.14	21.79	18.54	18.80	19.74	19.99	21.64
	12H	18.87	19.10	20.08	20.28	21.97	18.68	18.91	19.89	20.09	21.77
12H	4H	17.70	18.03	18.89	19.20	20.84	17.61	17.94	18.80	19.11	20.75
	6H	18.45	18.70	19.64	19.89	21.54	18.32	18.58	19.52	19.76	21.41
	8H	18.77	19.00	19.97	20.18	21.86	18.62	18.85	19.82	20.03	21.71