

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: P1428393

Luminaire Tested: SQ2W-PW1-K-050U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428393
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-050U-125D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

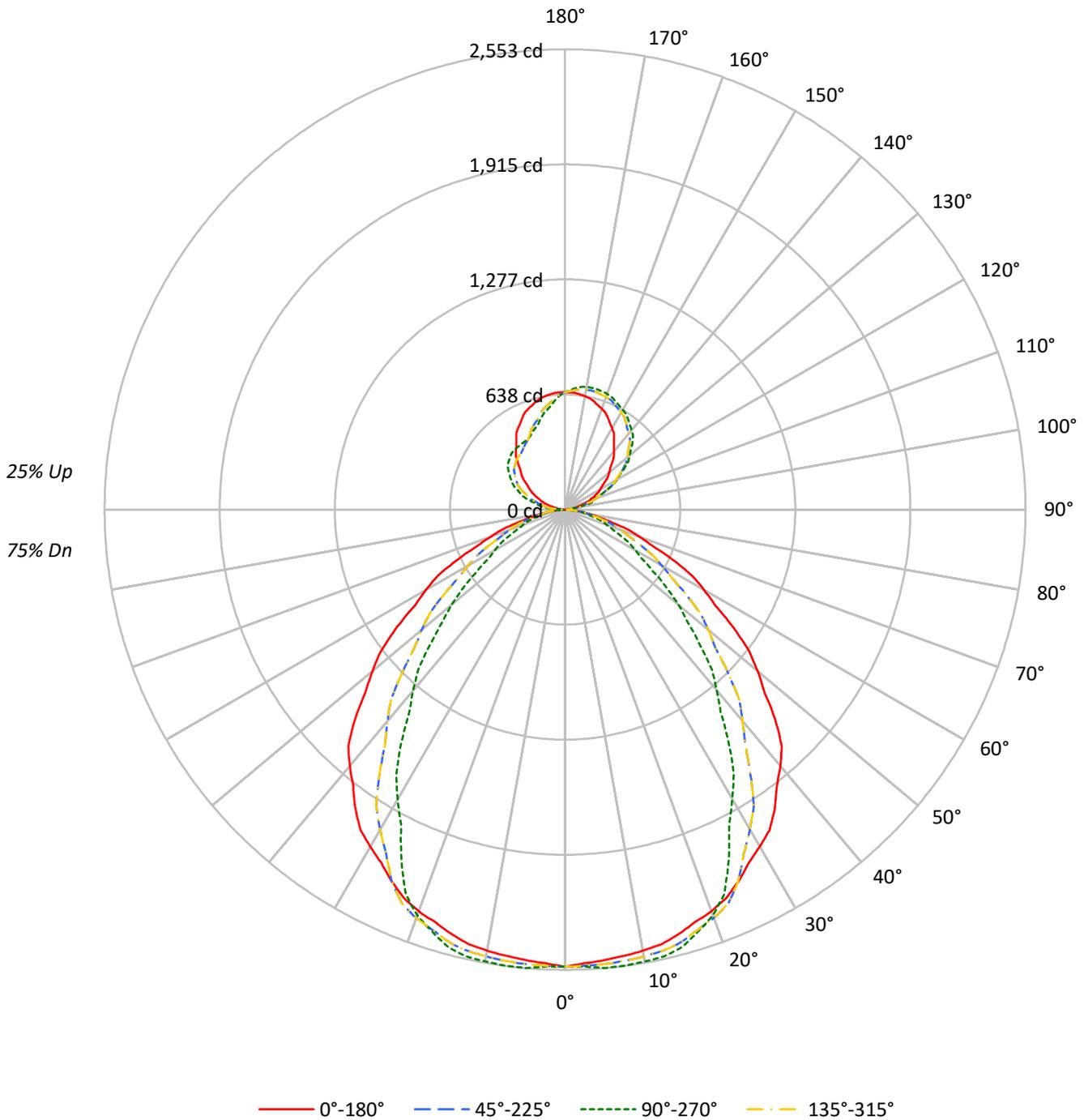
Lumens per Lamp: N/A
Luminaire Lumens: 7530.2 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.1
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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	104	100	96	93	99	95	92	89	87	84	82	79	77	75	71	70	68	65
2	96	88	82	77	91	84	79	75	77	73	69	70	67	64	64	61	59	56
3	88	79	71	66	83	75	69	63	69	63	59	63	59	55	57	54	51	48
4	81	70	62	56	77	67	60	55	62	56	51	56	52	48	52	48	45	42
5	75	63	55	49	71	60	53	48	56	50	45	51	46	42	47	43	40	37
6	69	57	49	43	66	55	47	42	51	44	40	47	41	37	43	39	35	33
7	64	52	44	38	61	50	43	37	46	40	35	43	37	33	39	35	32	29
8	60	47	40	34	57	46	38	33	42	36	32	39	34	30	36	32	29	26
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	34	29	26	24
10	52	40	33	28	50	39	32	27	36	30	26	34	29	25	31	27	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	40942	40942	40942	40942
5°	40669	41372	40669	41372
10°	40742	41733	40742	41733
15°	40731	41983	40731	41983
20°	40748	41162	40748	41162
25°	40528	38248	40528	38248
30°	40253	34580	40253	34580
35°	39937	31227	39937	31227
40°	39143	27589	39143	27589
45°	37609	24098	37609	24098
50°	35002	20624	35002	20624
55°	32019	16723	32019	16723
60°	28697	14428	28697	14428
65°	25096	12825	25096	12825
70°	20521	11627	20521	11627
75°	15970	10698	15970	10698
80°	11901	9428	11901	9428
85°	8058	5372	8058	5372

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 37609 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.5	3.2
10°-20°	699.6	9.3
20°-30°	1029.6	13.7
30°-40°	1125.7	14.9
40°-50°	1009.9	13.4
50°-60°	753.3	10.0
60°-70°	476.1	6.3
70°-80°	235.9	3.1
80°-90°	57.9	0.8
90°-100°	51.8	0.7
100°-110°	151.1	2.0
110°-120°	246.5	3.3
120°-130°	312.9	4.2
130°-140°	334.8	4.4
140°-150°	312.6	4.2
150°-160°	257.2	3.4
160°-170°	172.5	2.3
170°-180°	61.3	0.8
0°-30°	1970.7	26.2
0°-40°	3096.4	41.1
0°-60°	4859.6	64.5
0°-90°	5629.5	74.8
90°-120°	449.4	6.0
90°-150°	1409.7	18.7
90°-180°	1901.0	25.2
0°-180°	7530.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2536	2536	2536	2536	2536	
5°	2509	2553	2509	2553	2509	239
15°	2437	2512	2437	2512	2437	688
25°	2275	2147	2275	2147	2275	1048
35°	2026	1584	2026	1584	2026	1264
45°	1647	1055	1647	1055	1647	1263
55°	1138	594	1138	594	1138	1016
65°	657	336	657	336	657	651
75°	256	172	256	172	256	282
85°	44	29	44	29	44	55
90°	2	14	2	28	2	3
95°	20	15	20	89	20	25
105°	96	154	96	212	96	102
115°	184	255	184	314	184	181
125°	272	404	272	385	272	244
135°	370	529	370	427	370	286
145°	473	610	473	436	473	296
155°	562	663	562	452	562	258
165°	621	691	621	521	621	175
175°	649	677	649	611	649	62
180°	651	651	651	651	651	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8
2.5°	2518.4	2533.0	2547.6	2544.2	2534.7	2530.4	2531.3	2532.6	2535.2	2537.7	2535.2
5°	2509.3	2527.5	2545.7	2543.1	2533.4	2529.1	2530.2	2533.4	2543.1	2552.7	2543.1
7.5°	2496.7	2515.2	2533.6	2532.8	2525.5	2523.6	2527.3	2532.4	2541.8	2551.3	2541.8
10°	2485.1	2504.4	2523.7	2523.7	2517.3	2516.8	2522.1	2528.3	2536.9	2545.5	2536.9
12.5°	2469.6	2489.8	2510.0	2511.5	2506.8	2507.5	2513.8	2520.6	2529.2	2537.7	2529.2
15°	2436.8	2458.3	2479.7	2484.3	2483.2	2486.4	2494.0	2500.9	2506.3	2511.7	2506.3
17.5°	2398.6	2420.1	2441.6	2445.8	2444.3	2444.5	2446.5	2448.6	2451.1	2453.7	2451.1
20°	2371.6	2393.1	2414.5	2417.5	2414.3	2408.9	2401.4	2395.7	2395.7	2395.7	2395.7
22.5°	2333.0	2356.1	2379.3	2379.5	2372.0	2358.0	2337.6	2320.6	2313.7	2306.9	2313.7
25°	2275.0	2297.5	2320.1	2309.6	2288.1	2256.5	2214.6	2179.2	2163.1	2147.0	2163.1
27.5°	2207.4	2225.6	2243.9	2216.5	2174.0	2123.1	2063.6	2013.4	1991.1	1968.8	1991.1
30°	2159.1	2173.0	2187.0	2143.8	2081.5	2017.7	1952.2	1897.7	1876.2	1854.8	1876.2
32.5°	2108.8	2114.2	2119.6	2062.6	1984.9	1912.0	1844.0	1787.1	1764.0	1740.8	1764.0
35°	2026.2	2016.6	2006.9	1931.2	1833.6	1750.4	1681.7	1625.1	1604.7	1584.3	1604.7
37.5°	1928.7	1899.9	1871.1	1785.9	1681.7	1593.7	1521.8	1462.2	1439.7	1417.2	1439.7
40°	1857.2	1816.4	1775.6	1684.1	1575.7	1485.5	1413.6	1354.0	1331.5	1309.0	1331.5
42.5°	1778.0	1726.9	1675.8	1581.7	1473.3	1383.1	1311.2	1251.4	1228.0	1204.6	1228.0
45°	1647.1	1587.0	1526.9	1428.9	1318.4	1228.2	1158.4	1100.5	1077.9	1055.4	1077.9
47.5°	1499.8	1440.1	1380.4	1282.7	1172.4	1083.4	1015.8	960.2	940.9	921.6	940.9
50°	1393.5	1335.5	1277.6	1184.2	1079.0	992.6	925.0	868.3	844.7	821.1	844.7
52.5°	1285.3	1233.3	1181.4	1091.4	988.8	902.9	833.5	773.5	741.3	709.1	741.3
55°	1137.5	1088.1	1038.7	954.0	857.3	770.4	693.1	630.6	612.4	594.1	612.4
57.5°	985.3	942.6	899.9	823.7	736.3	657.5	587.3	530.9	515.9	500.9	515.9
60°	888.7	851.2	813.6	740.6	655.8	583.9	524.9	476.8	461.8	446.8	461.8
62.5°	796.0	762.7	729.5	659.5	577.3	512.6	465.6	427.3	414.8	402.3	414.8
65°	656.9	632.2	607.5	549.8	481.1	427.5	388.8	357.2	346.4	335.7	346.4
67.5°	521.7	507.9	494.2	451.0	397.9	354.5	320.6	293.3	286.3	279.2	286.3
70°	434.7	430.4	426.1	390.4	344.3	307.2	279.3	257.1	251.7	246.3	251.7
72.5°	359.4	361.1	362.8	333.1	293.0	262.0	240.1	222.7	219.1	215.4	219.1
75°	256.0	264.6	273.2	253.6	224.6	202.6	187.6	175.8	173.6	171.5	173.6
77.5°	174.4	187.2	200.1	187.4	166.2	149.9	138.8	130.0	128.3	126.5	128.3
80°	128.0	140.9	153.8	144.9	128.8	116.5	107.9	101.4	101.4	101.4	101.4
82.5°	89.4	99.7	110.0	103.7	91.9	83.8	79.5	76.3	76.3	76.3	76.3
85°	43.5	48.8	54.2	52.3	48.0	42.7	36.2	31.1	30.1	29.0	30.1
87.5°	12.0	15.1	18.3	16.3	12.4	9.9	9.1	8.6	8.7	8.7	8.7
90°	2.0	4.6	7.9	10.5	12.5	13.2	13.2	13.8	14.5	14.5	14.5
92.5°	7.2	11.4	11.6	11.6	14.1	15.3	16.3	16.4	17.1	17.1	17.1
95°	20.4	22.4	33.5	32.9	22.4	17.8	15.1	15.1	15.1	15.1	15.1
97.5°	38.9	41.8	43.7	58.5	61.8	59.7	48.7	40.9	36.6	34.6	36.6
100°	55.2	56.5	60.5	61.1	77.6	93.4	85.5	75.6	72.3	70.4	72.3
102.5°	71.5	72.3	78.4	81.1	85.0	93.9	121.2	118.2	116.0	115.6	116.0
105°	96.0	96.7	107.8	113.1	115.7	115.7	115.1	128.2	149.3	153.9	149.3
107.5°	122.2	125.2	138.3	152.4	155.4	156.2	152.8	150.8	150.0	150.6	150.0
110°	140.1	144.7	160.4	178.2	182.8	184.1	182.8	180.8	179.5	179.5	179.5

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	157.4	164.1	182.0	202.4	210.1	214.1	211.2	209.8	208.4	209.5	208.4
115°	184.1	194.0	217.6	238.7	254.5	256.4	255.8	255.8	255.1	255.1	255.1
117.5°	208.8	224.6	251.2	275.6	293.9	299.2	301.8	301.0	300.2	301.5	300.2
120°	226.2	244.6	274.8	302.5	320.2	328.1	330.7	329.4	330.7	329.4	330.7
122.5°	244.6	267.2	296.9	325.6	346.5	355.5	358.6	358.9	359.1	358.4	359.1
125°	272.2	299.8	334.7	364.3	386.0	396.5	399.1	399.8	401.1	404.4	401.1
127.5°	300.1	331.4	369.7	398.2	420.4	433.2	437.3	438.7	441.5	442.9	441.5
130°	319.6	355.1	393.9	420.8	442.5	456.3	463.6	465.5	468.8	468.2	468.8
132.5°	340.1	377.2	416.5	444.5	464.6	479.5	485.6	491.3	492.5	493.4	492.5
135°	370.2	410.3	449.7	477.4	496.4	510.9	518.8	524.0	527.3	529.3	527.3
137.5°	401.9	444.2	482.1	506.7	525.9	538.4	547.3	552.8	556.3	557.8	556.3
140°	423.4	464.2	501.0	526.7	543.8	556.3	564.2	570.7	574.7	574.7	574.7
142.5°	444.0	484.2	520.0	545.6	560.6	572.0	580.5	585.5	589.9	589.9	589.9
145°	472.8	512.9	545.7	571.4	583.9	594.4	603.6	607.6	610.2	610.2	610.2
147.5°	502.9	538.4	568.4	593.0	603.5	615.8	623.1	626.2	629.5	628.1	629.5
150°	520.8	553.6	582.6	605.6	616.1	627.9	635.2	637.8	641.1	639.1	641.1
152.5°	538.1	569.4	595.7	617.2	626.1	637.9	646.2	648.8	651.1	649.6	651.1
155°	561.5	589.1	613.5	633.2	641.1	652.3	660.2	663.4	666.1	662.8	666.1
157.5°	582.4	606.2	627.4	645.6	654.0	663.6	670.9	675.0	677.6	676.2	677.6
160°	595.1	616.8	635.8	652.9	660.8	669.4	677.3	681.9	684.5	682.5	684.5
162.5°	605.6	625.2	643.2	658.7	665.5	673.0	682.5	686.6	689.2	686.7	689.2
165°	620.7	636.5	652.3	665.4	671.3	677.3	687.1	691.7	693.7	691.1	693.7
167.5°	632.1	644.2	657.0	668.3	672.6	678.4	688.3	692.1	694.6	691.3	694.6
170°	638.5	649.0	660.2	669.4	672.6	677.9	687.8	691.1	693.0	689.7	693.0
172.5°	643.7	651.6	660.7	668.8	670.5	674.8	684.1	687.4	688.8	686.1	688.8
175°	649.0	653.6	660.2	665.4	664.8	667.4	675.3	677.9	680.5	676.6	680.5
177.5°	651.5	653.6	655.7	658.8	656.7	656.7	662.5	664.1	664.6	662.5	664.6
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8
2.5°	2532.6	2531.3	2530.4	2534.7	2544.2	2547.6	2533.0	2518.4	2533.0	2547.6	2544.2
5°	2533.4	2530.2	2529.1	2533.4	2543.1	2545.7	2527.5	2509.3	2527.5	2545.7	2543.1
7.5°	2532.4	2527.3	2523.6	2525.5	2532.8	2533.6	2515.2	2496.7	2515.2	2533.6	2532.8
10°	2528.3	2522.1	2516.8	2517.3	2523.7	2523.7	2504.4	2485.1	2504.4	2523.7	2523.7
12.5°	2520.6	2513.8	2507.5	2506.8	2511.5	2510.0	2489.8	2469.6	2489.8	2510.0	2511.5
15°	2500.9	2494.0	2486.4	2483.2	2484.3	2479.7	2458.3	2436.8	2458.3	2479.7	2484.3
17.5°	2448.6	2446.5	2444.5	2444.3	2445.8	2441.6	2420.1	2398.6	2420.1	2441.6	2445.8
20°	2395.7	2401.4	2408.9	2414.3	2417.5	2414.5	2393.1	2371.6	2393.1	2414.5	2417.5
22.5°	2320.6	2337.6	2358.0	2372.0	2379.5	2379.3	2356.1	2333.0	2356.1	2379.3	2379.5
25°	2179.2	2214.6	2256.5	2288.1	2309.6	2320.1	2297.5	2275.0	2297.5	2320.1	2309.6
27.5°	2013.4	2063.6	2123.1	2174.0	2216.5	2243.9	2225.6	2207.4	2225.6	2243.9	2216.5
30°	1897.7	1952.2	2017.7	2081.5	2143.8	2187.0	2173.0	2159.1	2173.0	2187.0	2143.8
32.5°	1787.1	1844.0	1912.0	1984.9	2062.6	2119.6	2114.2	2108.8	2114.2	2119.6	2062.6
35°	1625.1	1681.7	1750.4	1833.6	1931.2	2006.9	2016.6	2026.2	2016.6	2006.9	1931.2
37.5°	1462.2	1521.8	1593.7	1681.7	1785.9	1871.1	1899.9	1928.7	1899.9	1871.1	1785.9
40°	1354.0	1413.6	1485.5	1575.7	1684.1	1775.6	1816.4	1857.2	1816.4	1775.6	1684.1
42.5°	1251.4	1311.2	1383.1	1473.3	1581.7	1675.8	1726.9	1778.0	1726.9	1675.8	1581.7
45°	1100.5	1158.4	1228.2	1318.4	1428.9	1526.9	1587.0	1647.1	1587.0	1526.9	1428.9
47.5°	960.2	1015.8	1083.4	1172.4	1282.7	1380.4	1440.1	1499.8	1440.1	1380.4	1282.7
50°	868.3	925.0	992.6	1079.0	1184.2	1277.6	1335.5	1393.5	1335.5	1277.6	1184.2
52.5°	773.5	833.5	902.9	988.8	1091.4	1181.4	1233.3	1285.3	1233.3	1181.4	1091.4
55°	630.6	693.1	770.4	857.3	954.0	1038.7	1088.1	1137.5	1088.1	1038.7	954.0
57.5°	530.9	587.3	657.5	736.3	823.7	899.9	942.6	985.3	942.6	899.9	823.7
60°	476.8	524.9	583.9	655.8	740.6	813.6	851.2	888.7	851.2	813.6	740.6
62.5°	427.3	465.6	512.6	577.3	659.5	729.5	762.7	796.0	762.7	729.5	659.5
65°	357.2	388.8	427.5	481.1	549.8	607.5	632.2	656.9	632.2	607.5	549.8
67.5°	293.3	320.6	354.5	397.9	451.0	494.2	507.9	521.7	507.9	494.2	451.0
70°	257.1	279.3	307.2	344.3	390.4	426.1	430.4	434.7	430.4	426.1	390.4
72.5°	222.7	240.1	262.0	293.0	333.1	362.8	361.1	359.4	361.1	362.8	333.1
75°	175.8	187.6	202.6	224.6	253.6	273.2	264.6	256.0	264.6	273.2	253.6
77.5°	130.0	138.8	149.9	166.2	187.4	200.1	187.2	174.4	187.2	200.1	187.4
80°	101.4	107.9	116.5	128.8	144.9	153.8	140.9	128.0	140.9	153.8	144.9
82.5°	76.3	79.5	83.8	91.9	103.7	110.0	99.7	89.4	99.7	110.0	103.7
85°	31.1	36.2	42.7	48.0	52.3	54.2	48.8	43.5	48.8	54.2	52.3
87.5°	8.6	9.1	9.9	12.4	16.3	18.3	15.1	12.0	15.1	18.2	16.5
90°	13.8	13.2	13.2	12.5	10.5	7.9	4.6	2.0	4.6	7.2	11.8
92.5°	16.4	16.3	15.3	14.1	11.6	11.6	11.4	7.2	12.5	17.8	25.5
95°	15.1	15.1	17.8	22.4	32.9	33.5	22.4	20.4	28.9	40.8	51.3
97.5°	40.9	48.7	59.7	61.8	58.5	43.7	41.8	38.9	53.0	64.7	81.7
100°	75.6	85.5	93.4	77.6	61.1	60.5	56.5	55.2	70.4	81.5	98.0
102.5°	118.2	121.2	93.9	85.0	81.1	78.4	72.3	71.5	86.7	102.0	115.9
105°	128.2	115.1	115.7	115.7	113.1	107.8	96.7	96.0	113.1	130.8	147.9
107.5°	150.8	152.8	156.2	155.4	152.4	138.3	125.2	122.2	137.6	158.9	177.7
110°	180.8	182.8	184.1	182.8	178.2	160.4	144.7	140.1	153.9	176.2	196.6



TEST NUMBER: P1428393

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	209.8	211.2	214.1	210.1	202.4	182.0	164.1	157.4	171.2	194.1	215.0
115°	255.8	255.8	256.4	254.5	238.7	217.6	194.0	184.1	195.9	217.0	240.0
117.5°	301.0	301.8	299.2	293.9	275.6	251.2	224.6	208.8	218.2	240.4	264.1
120°	329.4	330.7	328.1	320.2	302.5	274.8	244.6	226.2	233.4	255.1	278.8
122.5°	358.9	358.6	355.5	346.5	325.6	296.9	267.2	244.6	247.6	267.7	290.9
125°	399.8	399.1	396.5	386.0	364.3	334.7	299.8	272.2	268.3	285.4	309.0
127.5°	438.7	437.3	433.2	420.4	398.2	369.7	331.4	300.1	291.3	302.1	323.8
130°	465.5	463.6	456.3	442.5	420.8	393.9	355.1	319.6	307.1	313.6	332.7
132.5°	491.3	485.6	479.5	464.6	444.5	416.5	377.2	340.1	322.8	325.7	340.6
135°	524.0	518.8	510.9	496.4	477.4	449.7	410.3	370.2	346.5	343.9	352.4
137.5°	552.8	547.3	538.4	525.9	506.7	482.1	444.2	401.9	372.0	363.2	366.5
140°	570.7	564.2	556.3	543.8	526.7	501.0	464.2	423.4	389.9	377.4	375.4
142.5°	585.5	580.5	572.0	560.6	545.6	520.0	484.2	444.0	408.3	392.1	387.5
145°	607.6	603.6	594.4	583.9	571.4	545.7	512.9	472.8	437.3	416.2	406.4
147.5°	626.2	623.1	615.8	603.5	593.0	568.4	538.4	502.9	466.4	440.4	427.7
150°	637.8	635.2	627.9	616.1	605.6	582.6	553.6	520.8	485.9	458.3	441.9
152.5°	648.8	646.2	637.9	626.1	617.2	595.7	569.4	538.1	502.7	475.1	458.2
155°	663.4	660.2	652.3	641.1	633.2	613.5	589.1	561.5	531.3	502.3	483.3
157.5°	675.0	670.9	663.6	654.0	645.6	627.4	606.2	582.4	556.0	528.4	508.9
160°	681.9	677.3	669.4	660.8	652.9	635.8	616.8	595.1	570.7	545.7	524.7
162.5°	686.6	682.5	673.0	665.5	658.7	643.2	625.2	605.6	583.9	562.1	542.6
165°	691.7	687.1	677.3	671.3	665.4	652.3	636.5	620.7	602.3	584.5	568.8
167.5°	692.1	688.3	678.4	672.6	668.3	657.0	644.2	632.1	617.8	603.9	590.7
170°	691.1	687.8	677.9	672.6	669.4	660.2	649.0	638.5	627.3	615.4	604.9
172.5°	687.4	684.1	674.8	670.5	668.8	660.7	651.6	643.7	634.1	625.4	617.0
175°	677.9	675.3	667.4	664.8	665.4	660.2	653.6	649.0	643.1	637.8	633.2
177.5°	664.1	662.5	656.7	656.7	658.8	655.7	653.6	651.5	648.8	647.3	645.7
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1428393

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8	2535.8
2.5°	2534.7	2530.4	2531.3	2532.6	2535.2	2537.7	2535.2	2532.6	2531.3	2530.4	2534.7
5°	2533.4	2529.1	2530.2	2533.4	2543.1	2552.7	2543.1	2533.4	2530.2	2529.1	2533.4
7.5°	2525.5	2523.6	2527.3	2532.4	2541.8	2551.3	2541.8	2532.4	2527.3	2523.6	2525.5
10°	2517.3	2516.8	2522.1	2528.3	2536.9	2545.5	2536.9	2528.3	2522.1	2516.8	2517.3
12.5°	2506.8	2507.5	2513.8	2520.6	2529.2	2537.7	2529.2	2520.6	2513.8	2507.5	2506.8
15°	2483.2	2486.4	2494.0	2500.9	2506.3	2511.7	2506.3	2500.9	2494.0	2486.4	2483.2
17.5°	2444.3	2444.5	2446.5	2448.6	2451.1	2453.7	2451.1	2448.6	2446.5	2444.5	2444.3
20°	2414.3	2408.9	2401.4	2395.7	2395.7	2395.7	2395.7	2395.7	2401.4	2408.9	2414.3
22.5°	2372.0	2358.0	2337.6	2320.6	2313.7	2306.9	2313.7	2320.6	2337.6	2358.0	2372.0
25°	2288.1	2256.5	2214.6	2179.2	2163.1	2147.0	2163.1	2179.2	2214.6	2256.5	2288.1
27.5°	2174.0	2123.1	2063.6	2013.4	1991.1	1968.8	1991.1	2013.4	2063.6	2123.1	2174.0
30°	2081.5	2017.7	1952.2	1897.7	1876.2	1854.8	1876.2	1897.7	1952.2	2017.7	2081.5
32.5°	1984.9	1912.0	1844.0	1787.1	1764.0	1740.8	1764.0	1787.1	1844.0	1912.0	1984.9
35°	1833.6	1750.4	1681.7	1625.1	1604.7	1584.3	1604.7	1625.1	1681.7	1750.4	1833.6
37.5°	1681.7	1593.7	1521.8	1462.2	1439.7	1417.2	1439.7	1462.2	1521.8	1593.7	1681.7
40°	1575.7	1485.5	1413.6	1354.0	1331.5	1309.0	1331.5	1354.0	1413.6	1485.5	1575.7
42.5°	1473.3	1383.1	1311.2	1251.4	1228.0	1204.6	1228.0	1251.4	1311.2	1383.1	1473.3
45°	1318.4	1228.2	1158.4	1100.5	1077.9	1055.4	1077.9	1100.5	1158.4	1228.2	1318.4
47.5°	1172.4	1083.4	1015.8	960.2	940.9	921.6	940.9	960.2	1015.8	1083.4	1172.4
50°	1079.0	992.6	925.0	868.3	844.7	821.1	844.7	868.3	925.0	992.6	1079.0
52.5°	988.8	902.9	833.5	773.5	741.3	709.1	741.3	773.5	833.5	902.9	988.8
55°	857.3	770.4	693.1	630.6	612.4	594.1	612.4	630.6	693.1	770.4	857.3
57.5°	736.3	657.5	587.3	530.9	515.9	500.9	515.9	530.9	587.3	657.5	736.3
60°	655.8	583.9	524.9	476.8	461.8	446.8	461.8	476.8	524.9	583.9	655.8
62.5°	577.3	512.6	465.6	427.3	414.8	402.3	414.8	427.3	465.6	512.6	577.3
65°	481.1	427.5	388.8	357.2	346.4	335.7	346.4	357.2	388.8	427.5	481.1
67.5°	397.9	354.5	320.6	293.3	286.3	279.2	286.3	293.3	320.6	354.5	397.9
70°	344.3	307.2	279.3	257.1	251.7	246.3	251.7	257.1	279.3	307.2	344.3
72.5°	293.0	262.0	240.1	222.7	219.1	215.4	219.1	222.7	240.1	262.0	293.0
75°	224.6	202.6	187.6	175.8	173.6	171.5	173.6	175.8	187.6	202.6	224.6
77.5°	166.2	149.9	138.8	130.0	128.3	126.5	128.3	130.0	138.8	149.9	166.2
80°	128.8	116.5	107.9	101.4	101.4	101.4	101.4	101.4	107.9	116.5	128.8
82.5°	91.9	83.8	79.5	76.3	76.3	76.3	76.3	76.3	79.5	83.8	91.9
85°	48.0	42.7	36.2	31.1	30.1	29.0	30.1	31.1	36.2	42.7	48.0
87.5°	12.9	11.2	11.3	11.2	11.7	11.5	11.7	11.2	11.3	11.2	12.9
90°	15.1	19.7	24.3	27.0	29.6	28.3	29.6	27.0	24.3	19.7	15.1
92.5°	30.4	38.1	43.8	48.5	50.6	50.4	50.6	48.5	43.8	38.1	30.4
95°	61.1	70.4	79.6	86.1	90.1	88.8	90.1	86.1	79.6	70.4	61.1
97.5°	94.3	106.7	116.9	123.1	127.0	129.7	127.0	123.1	116.9	106.7	94.3
100°	116.4	128.2	140.1	147.3	153.9	156.5	153.9	147.3	140.1	128.2	116.4
102.5°	134.3	149.8	162.7	170.4	176.0	178.6	176.0	170.4	162.7	149.8	134.3
105°	163.7	180.2	194.0	203.8	209.8	211.7	209.8	203.8	194.0	180.2	163.7
107.5°	193.2	210.1	222.9	233.8	241.0	245.3	241.0	233.8	222.9	210.1	193.2
110°	216.3	230.1	243.9	253.8	261.0	263.7	261.0	253.8	243.9	230.1	216.3



TEST NUMBER: P1428393

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	235.8	251.2	265.0	274.8	283.1	286.8	283.1	274.8	265.0	251.2	235.8
115°	263.0	283.4	295.9	305.1	311.0	314.3	311.0	305.1	295.9	283.4	263.0
117.5°	285.6	306.9	320.6	327.7	330.5	332.8	330.5	327.7	320.6	306.9	285.6
120°	299.8	319.6	335.3	344.5	347.8	349.1	347.8	344.5	335.3	319.6	299.8
122.5°	313.0	331.7	346.9	358.2	363.6	364.9	363.6	358.2	346.9	331.7	313.0
125°	331.4	349.1	364.9	376.1	382.0	385.3	382.0	376.1	364.9	349.1	331.4
127.5°	347.4	366.6	381.1	391.2	397.0	399.6	397.0	391.2	381.1	366.6	347.4
130°	356.4	376.1	390.6	401.7	407.0	409.6	407.0	401.7	390.6	376.1	356.4
132.5°	363.2	384.0	399.0	409.1	414.9	417.5	414.9	409.1	399.0	384.0	363.2
135°	371.5	393.2	409.0	418.8	424.1	426.7	424.1	418.8	409.0	393.2	371.5
137.5°	378.7	398.5	414.9	425.3	430.0	431.7	430.0	425.3	414.9	398.5	378.7
140°	384.0	401.1	417.5	427.4	432.7	433.3	432.7	427.4	417.5	401.1	384.0
142.5°	390.8	404.2	418.6	428.4	433.7	434.9	433.7	428.4	418.6	404.2	390.8
145°	403.1	411.0	420.8	430.0	434.6	435.9	434.6	430.0	420.8	411.0	403.1
147.5°	418.4	420.9	426.1	432.1	436.6	437.5	436.6	432.1	426.1	420.9	418.4
150°	430.0	429.4	431.3	435.3	439.2	438.6	439.2	435.3	431.3	429.4	430.0
152.5°	443.2	439.4	439.2	441.1	442.9	442.8	442.9	441.1	439.2	439.4	443.2
155°	465.5	458.3	454.3	453.0	453.0	452.4	453.0	453.0	454.3	458.3	465.5
157.5°	490.1	480.0	474.1	470.9	470.0	468.6	470.0	470.9	474.1	480.0	490.1
160°	507.0	495.8	489.9	484.6	482.6	480.7	482.6	484.6	489.9	495.8	507.0
162.5°	522.7	512.1	505.6	500.9	498.9	495.9	498.9	500.9	505.6	512.1	522.7
165°	548.4	537.2	530.0	526.0	523.4	520.8	523.4	526.0	530.0	537.2	548.4
167.5°	574.0	561.8	557.1	552.6	550.1	545.4	550.1	552.6	557.1	561.8	574.0
170°	589.8	578.6	576.0	572.0	567.4	562.2	567.4	572.0	576.0	578.6	589.8
172.5°	603.5	596.0	593.4	589.4	588.0	583.8	588.0	589.4	593.4	596.0	603.5
175°	623.3	617.4	617.4	616.8	614.8	610.8	614.8	616.8	617.4	617.4	623.3
177.5°	639.9	636.7	638.9	638.9	638.3	634.6	638.3	638.9	638.9	636.7	639.9
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1428393

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2535.8	2535.8	2535.8	2535.8
2.5°	2544.2	2547.6	2533.0	2518.4
5°	2543.1	2545.7	2527.5	2509.3
7.5°	2532.8	2533.6	2515.2	2496.7
10°	2523.7	2523.7	2504.4	2485.1
12.5°	2511.5	2510.0	2489.8	2469.6
15°	2484.3	2479.7	2458.3	2436.8
17.5°	2445.8	2441.6	2420.1	2398.6
20°	2417.5	2414.5	2393.1	2371.6
22.5°	2379.5	2379.3	2356.1	2333.0
25°	2309.6	2320.1	2297.5	2275.0
27.5°	2216.5	2243.9	2225.6	2207.4
30°	2143.8	2187.0	2173.0	2159.1
32.5°	2062.6	2119.6	2114.2	2108.8
35°	1931.2	2006.9	2016.6	2026.2
37.5°	1785.9	1871.1	1899.9	1928.7
40°	1684.1	1775.6	1816.4	1857.2
42.5°	1581.7	1675.8	1726.9	1778.0
45°	1428.9	1526.9	1587.0	1647.1
47.5°	1282.7	1380.4	1440.1	1499.8
50°	1184.2	1277.6	1335.5	1393.5
52.5°	1091.4	1181.4	1233.3	1285.3
55°	954.0	1038.7	1088.1	1137.5
57.5°	823.7	899.9	942.6	985.3
60°	740.6	813.6	851.2	888.7
62.5°	659.5	729.5	762.7	796.0
65°	549.8	607.5	632.2	656.9
67.5°	451.0	494.2	507.9	521.7
70°	390.4	426.1	430.4	434.7
72.5°	333.1	362.8	361.1	359.4
75°	253.6	273.2	264.6	256.0
77.5°	187.4	200.1	187.2	174.4
80°	144.9	153.8	140.9	128.0
82.5°	103.7	110.0	99.7	89.4
85°	52.3	54.2	48.8	43.5
87.5°	16.5	18.2	15.1	12.0
90°	11.8	7.2	4.6	2.0
92.5°	25.5	17.8	12.5	7.2
95°	51.3	40.8	28.9	20.4
97.5°	81.7	64.7	53.0	38.9
100°	98.0	81.5	70.4	55.2
102.5°	115.9	102.0	86.7	71.5
105°	147.9	130.8	113.1	96.0
107.5°	177.7	158.9	137.6	122.2
110°	196.6	176.2	153.9	140.1

TEST NUMBER: P1428393

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	215.0	194.1	171.2	157.4
115°	240.0	217.0	195.9	184.1
117.5°	264.1	240.4	218.2	208.8
120°	278.8	255.1	233.4	226.2
122.5°	290.9	267.7	247.6	244.6
125°	309.0	285.4	268.3	272.2
127.5°	323.8	302.1	291.3	300.1
130°	332.7	313.6	307.1	319.6
132.5°	340.6	325.7	322.8	340.1
135°	352.4	343.9	346.5	370.2
137.5°	366.5	363.2	372.0	401.9
140°	375.4	377.4	389.9	423.4
142.5°	387.5	392.1	408.3	444.0
145°	406.4	416.2	437.3	472.8
147.5°	427.7	440.4	466.4	502.9
150°	441.9	458.3	485.9	520.8
152.5°	458.2	475.1	502.7	538.1
155°	483.3	502.3	531.3	561.5
157.5°	508.9	528.4	556.0	582.4
160°	524.7	545.7	570.7	595.1
162.5°	542.6	562.1	583.9	605.6
165°	568.8	584.5	602.3	620.7
167.5°	590.7	603.9	617.8	632.1
170°	604.9	615.4	627.3	638.5
172.5°	617.0	625.4	634.1	643.7
175°	633.2	637.8	643.1	649.0
177.5°	645.7	647.3	648.8	651.5
180°	650.9	650.9	650.9	650.9



TEST NUMBER: P1428393

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L935-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	21.88	22.95	22.60	23.68	24.55	18.12	19.20	18.84	19.93	20.80
	3H	23.20	24.15	23.93	24.90	25.80	19.41	20.37	20.15	21.11	22.02
	4H	23.61	24.52	24.37	25.27	26.18	19.93	20.83	20.68	21.58	22.50
	6H	23.80	24.63	24.57	25.40	26.33	20.25	21.08	21.01	21.84	22.77
	8H	23.85	24.64	24.63	25.42	26.35	20.37	21.16	21.14	21.94	22.87
	12H	23.86	24.61	24.64	25.39	26.34	20.40	21.16	21.18	21.93	22.89
4H	2H	22.03	22.94	22.79	23.69	24.61	18.96	19.86	19.72	20.62	21.53
	3H	23.59	24.34	24.36	25.13	26.06	20.43	21.17	21.19	21.96	22.90
	4H	24.15	24.82	24.93	25.61	26.58	21.01	21.69	21.80	22.48	23.44
	6H	24.47	25.05	25.27	25.87	26.84	21.41	21.99	22.21	22.81	23.78
	8H	24.56	25.11	25.37	25.92	26.90	21.56	22.11	22.37	22.92	23.90
	12H	24.60	25.09	25.42	25.92	26.90	21.61	22.10	22.44	22.94	23.92
8H	4H	24.20	24.75	25.01	25.56	26.54	21.37	21.92	22.18	22.73	23.71
	6H	24.63	25.08	25.46	25.93	26.91	21.87	22.32	22.70	23.17	24.16
	8H	24.80	25.20	25.65	26.05	27.05	22.09	22.49	22.94	23.34	24.34
	12H	24.89	25.24	25.73	26.08	27.14	22.18	22.54	23.03	23.38	24.43
12H	4H	24.17	24.66	24.99	25.49	26.48	21.40	21.89	22.22	22.72	23.71
	6H	24.62	25.03	25.47	25.88	26.87	21.95	22.35	22.79	23.20	24.20
	8H	24.82	25.18	25.67	26.02	27.07	22.20	22.55	23.05	23.39	24.45