

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: P1428417

Luminaire Tested: SQ2W-PW1-K-075U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428417  
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-075U-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 750 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

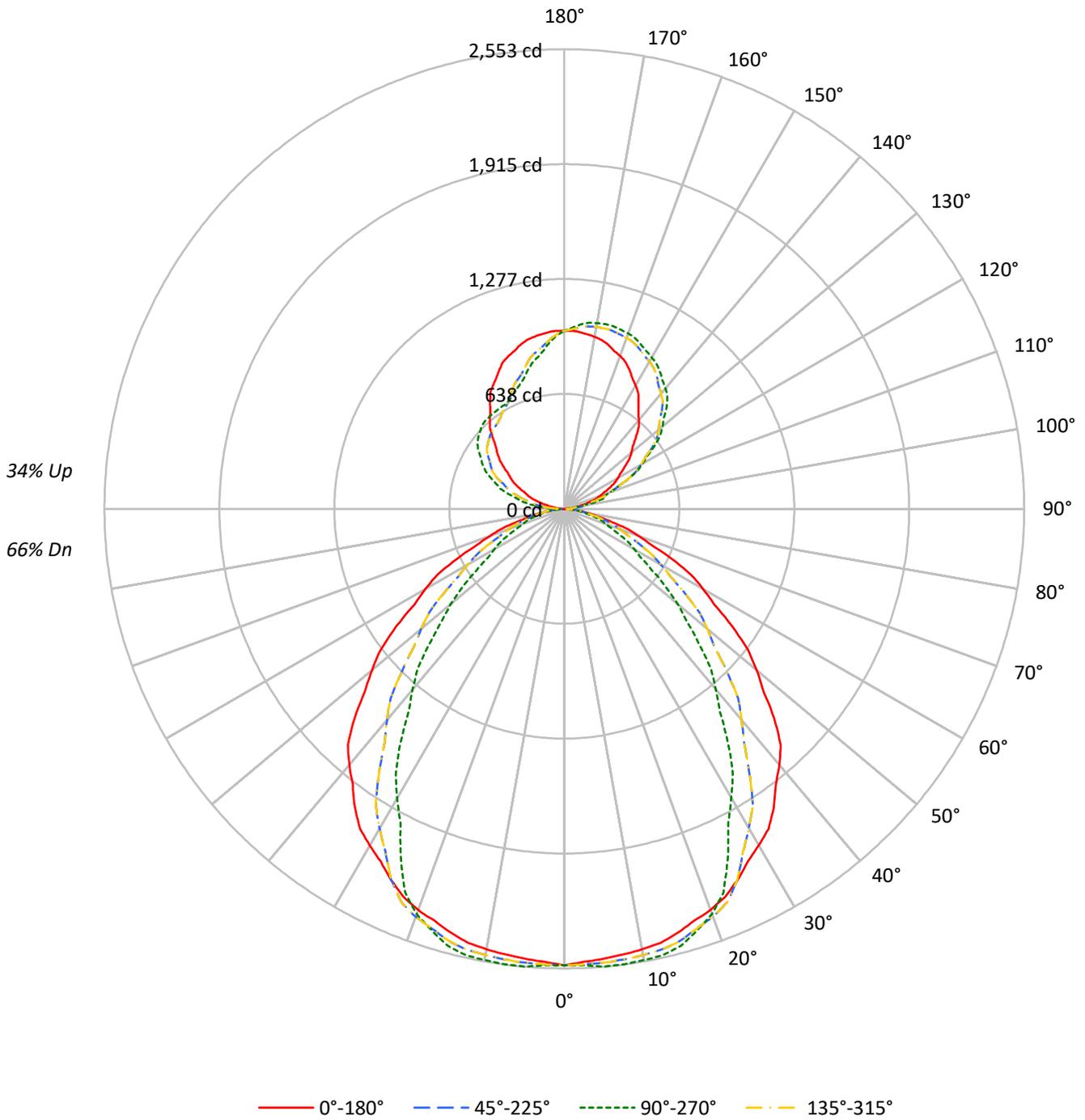
Lumens per Lamp: N/A  
Luminaire Lumens: 8518.6 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 72.8  
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

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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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66				
1	102	98	94	91	96	93	89	86	82	80	78	73	71	69	64	63	61	57				
2	94	87	81	76	88	82	77	72	73	69	65	65	62	59	57	55	53	49				
3	86	77	70	64	81	73	66	61	65	60	56	58	54	51	51	48	46	42				
4	79	68	61	55	74	65	58	53	58	53	48	52	48	44	46	43	40	37				
5	73	61	53	48	69	58	51	46	53	47	42	47	42	39	42	38	35	33				
6	67	55	47	42	63	53	46	40	48	42	37	43	38	34	38	35	32	29				
7	63	50	43	37	59	48	41	36	43	38	33	39	34	31	35	31	28	26				
8	58	46	38	33	55	44	37	32	40	34	30	36	31	28	33	29	26	23				
9	54	42	35	30	51	40	33	29	37	31	27	33	29	25	30	26	23	21				
10	51	39	32	27	48	37	31	26	34	28	24	31	26	23	28	24	21	19				

**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	2.8
10°-20°	699.6	8.2
20°-30°	1029.6	12.1
30°-40°	1125.7	13.2
40°-50°	1009.9	11.9
50°-60°	753.3	8.8
60°-70°	476.1	5.6
70°-80°	235.9	2.8
80°-90°	59.3	0.7
90°-100°	78.7	0.9
100°-110°	229.5	2.7
110°-120°	374.6	4.4
120°-130°	475.3	5.6
130°-140°	508.6	6.0
140°-150°	474.9	5.6
150°-160°	390.8	4.6
160°-170°	262.1	3.1
170°-180°	93.1	1.1
0°-30°	1970.7	23.1
0°-40°	3096.4	36.3
0°-60°	4859.6	57.0
0°-90°	5630.9	66.1
90°-120°	682.8	8.0
90°-150°	2141.7	25.1
90°-180°	2888.0	33.9
0°-180°	8518.6	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°	3	22	3	43	3	4
95°	31	23	31	135	31	37
105°	146	234	146	322	146	155
115°	280	388	280	478	280	276
125°	414	614	414	585	414	370
135°	562	804	562	648	562	435
145°	718	927	718	662	718	449
155°	853	1007	853	687	853	392
165°	943	1050	943	791	943	265
175°	986	1028	986	928	986	94
180°	989	989	989	989	989	



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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°	12.2	15.6	19.1	17.4	13.7	11.3	10.4	10.0	10.2	10.2	10.2
90°	3.0	7.0	12.0	16.0	19.0	20.0	20.0	21.0	22.0	22.0	22.0
92.5°	11.0	17.4	17.6	17.6	21.4	23.2	24.8	25.0	26.0	26.0	26.0
95°	31.0	34.0	50.9	49.9	34.0	27.0	23.0	23.0	23.0	23.0	23.0
97.5°	59.1	63.5	66.3	88.9	93.9	90.7	73.9	62.1	55.5	52.5	55.5
100°	83.9	85.9	91.9	92.9	117.9	141.9	129.9	114.9	109.9	106.9	109.9
102.5°	108.7	109.9	119.1	123.3	129.1	142.7	184.2	179.6	176.2	175.6	176.2
105°	145.8	146.8	163.8	171.8	175.8	175.8	174.8	194.8	226.8	233.8	226.8
107.5°	185.6	190.2	210.2	231.6	236.2	237.4	232.2	229.2	228.0	228.8	228.0
110°	212.8	219.8	243.7	270.7	277.7	279.7	277.7	274.7	272.7	272.7	272.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	239.2	249.3	276.5	307.5	319.3	325.3	320.9	318.7	316.7	318.3	316.7
115°	279.7	294.7	330.7	362.6	386.6	389.6	388.6	388.6	387.6	387.6	387.6
117.5°	317.3	341.2	381.6	418.8	446.5	454.5	458.5	457.3	456.1	458.1	456.1
120°	343.6	371.6	417.6	459.5	486.5	498.5	502.5	500.5	502.5	500.5	502.5
122.5°	371.6	406.0	451.1	494.7	526.5	540.0	544.8	545.2	545.6	544.4	545.6
125°	413.6	455.5	508.5	553.4	586.4	602.4	606.4	607.4	609.4	614.4	609.4
127.5°	455.9	503.5	561.6	605.0	638.7	658.1	664.3	666.5	670.7	672.9	670.7
130°	485.5	539.4	598.4	639.3	672.3	693.3	704.3	707.3	712.3	711.3	712.3
132.5°	516.7	573.0	632.7	675.3	705.9	728.4	737.8	746.4	748.2	749.6	748.2
135°	562.4	623.4	683.3	725.3	754.2	776.2	788.2	796.2	801.2	804.2	801.2
137.5°	610.6	674.9	732.4	769.8	799.0	818.0	831.5	839.9	845.1	847.5	845.1
140°	643.3	705.3	761.2	800.2	826.1	845.1	857.1	867.1	873.1	873.1	873.1
142.5°	674.5	735.6	790.0	828.9	851.7	869.1	881.9	889.5	896.3	896.3	896.3
145°	718.3	779.2	829.1	868.1	887.1	903.1	917.1	923.0	927.0	927.0	927.0
147.5°	764.0	818.0	863.5	900.9	916.9	935.6	946.6	951.4	956.4	954.2	956.4
150°	791.2	841.1	885.1	920.1	936.0	954.0	965.0	969.0	974.0	971.0	974.0
152.5°	817.6	865.1	905.1	937.6	951.2	969.2	981.8	985.8	989.2	987.0	989.2
155°	853.1	895.1	932.0	962.0	974.0	991.0	1003.0	1008.0	1012.0	1007.0	1012.0
157.5°	884.9	921.0	953.2	980.8	993.6	1008.2	1019.3	1025.5	1029.5	1027.3	1029.5
160°	904.1	937.0	966.0	992.0	1004.0	1017.0	1028.9	1035.9	1039.9	1036.9	1039.9
162.5°	920.1	949.8	977.2	1000.8	1011.2	1022.5	1036.9	1043.1	1047.1	1043.3	1047.1
165°	943.0	967.0	991.0	1011.0	1019.9	1028.9	1043.9	1050.9	1053.9	1049.9	1053.9
167.5°	960.4	978.8	998.2	1015.4	1021.9	1030.7	1045.7	1051.5	1055.3	1050.3	1055.3
170°	970.0	986.0	1003.0	1017.0	1021.9	1029.9	1044.9	1049.9	1052.9	1047.9	1052.9
172.5°	978.0	990.0	1003.8	1016.2	1018.7	1025.1	1039.3	1044.3	1046.5	1042.3	1046.5
175°	986.0	993.0	1003.0	1011.0	1010.0	1014.0	1025.9	1029.9	1033.9	1027.9	1033.9
177.5°	989.8	993.0	996.2	1001.0	997.8	997.8	1006.6	1009.0	1009.8	1006.6	1009.8
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



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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°	10.0	10.4	11.3	13.7	17.4	19.1	15.6	12.2	15.6	18.9	17.8
90°	21.0	20.0	20.0	19.0	16.0	12.0	7.0	3.0	7.0	11.0	18.0
92.5°	25.0	24.8	23.2	21.4	17.6	17.6	17.4	11.0	19.0	27.0	38.8
95°	23.0	23.0	27.0	34.0	49.9	50.9	34.0	31.0	44.0	61.9	77.9
97.5°	62.1	73.9	90.7	93.9	88.9	66.3	63.5	59.1	80.5	98.3	124.1
100°	114.9	129.9	141.9	117.9	92.9	91.9	85.9	83.9	106.9	123.9	148.8
102.5°	179.6	184.2	142.7	129.1	123.3	119.1	109.9	108.7	131.7	155.0	176.0
105°	194.8	174.8	175.8	175.8	171.8	163.8	146.8	145.8	171.8	198.8	224.8
107.5°	229.2	232.2	237.4	236.2	231.6	210.2	190.2	185.6	209.0	241.4	269.9
110°	274.7	277.7	279.7	277.7	270.7	243.7	219.8	212.8	233.8	267.7	298.7



TEST NUMBER: P1428417

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	318.7	320.9	325.3	319.3	307.5	276.5	249.3	239.2	260.1	294.9	326.7
115°	388.6	388.6	389.6	386.6	362.6	330.7	294.7	279.7	297.7	329.7	364.6
117.5°	457.3	458.5	454.5	446.5	418.8	381.6	341.2	317.3	331.5	365.2	401.2
120°	500.5	502.5	498.5	486.5	459.5	417.6	371.6	343.6	354.6	387.6	423.6
122.5°	545.2	544.8	540.0	526.5	494.7	451.1	406.0	371.6	376.2	406.8	441.9
125°	607.4	606.4	602.4	586.4	553.4	508.5	455.5	413.6	407.6	433.6	469.5
127.5°	666.5	664.3	658.1	638.7	605.0	561.6	503.5	455.9	442.5	458.9	491.9
130°	707.3	704.3	693.3	672.3	639.3	598.4	539.4	485.5	466.5	476.5	505.5
132.5°	746.4	737.8	728.4	705.9	675.3	632.7	573.0	516.7	490.5	494.9	517.5
135°	796.2	788.2	776.2	754.2	725.3	683.3	623.4	562.4	526.5	522.5	535.4
137.5°	839.9	831.5	818.0	799.0	769.8	732.4	674.9	610.6	565.2	551.8	556.8
140°	867.1	857.1	845.1	826.1	800.2	761.2	705.3	643.3	592.4	573.4	570.4
142.5°	889.5	881.9	869.1	851.7	828.9	790.0	735.6	674.5	620.4	595.8	588.8
145°	923.0	917.1	903.1	887.1	868.1	829.1	779.2	718.3	664.3	632.3	617.4
147.5°	951.4	946.6	935.6	916.9	900.9	863.5	818.0	764.0	708.7	669.1	649.7
150°	969.0	965.0	954.0	936.0	920.1	885.1	841.1	791.2	738.2	696.3	671.3
152.5°	985.8	981.8	969.2	951.2	937.6	905.1	865.1	817.6	763.8	721.9	696.1
155°	1008.0	1003.0	991.0	974.0	962.0	932.0	895.1	853.1	807.2	763.2	734.2
157.5°	1025.5	1019.3	1008.2	993.6	980.8	953.2	921.0	884.9	844.7	802.8	773.2
160°	1035.9	1028.9	1017.0	1004.0	992.0	966.0	937.0	904.1	867.1	829.1	797.2
162.5°	1043.1	1036.9	1022.5	1011.2	1000.8	977.2	949.8	920.1	887.1	853.9	824.3
165°	1050.9	1043.9	1028.9	1019.9	1011.0	991.0	967.0	943.0	915.1	888.1	864.1
167.5°	1051.5	1045.7	1030.7	1021.9	1015.4	998.2	978.8	960.4	938.6	917.5	897.5
170°	1049.9	1044.9	1029.9	1021.9	1017.0	1003.0	986.0	970.0	953.0	935.0	919.1
172.5°	1044.3	1039.3	1025.1	1018.7	1016.2	1003.8	990.0	978.0	963.4	950.2	937.4
175°	1029.9	1025.9	1014.0	1010.0	1011.0	1003.0	993.0	986.0	977.0	969.0	962.0
177.5°	1009.0	1006.6	997.8	997.8	1001.0	996.2	993.0	989.8	985.8	983.4	981.0
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1428417

CATALOG NUMBER: SQ2W-PW1-K-075U-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°	14.5	13.3	13.8	14.0	14.8	14.4	14.8	14.0	13.8	13.3	14.5
90°	23.0	30.0	37.0	41.0	45.0	43.0	45.0	41.0	37.0	30.0	23.0
92.5°	46.2	57.9	66.5	73.7	76.9	76.5	76.9	73.7	66.5	57.9	46.2
95°	92.9	106.9	120.9	130.9	136.9	134.9	136.9	130.9	120.9	106.9	92.9
97.5°	143.3	162.0	177.6	187.0	193.0	197.0	193.0	187.0	177.6	162.0	143.3
100°	176.8	194.8	212.8	223.8	233.8	237.8	233.8	223.8	212.8	194.8	176.8
102.5°	204.0	227.6	247.1	258.9	267.3	271.3	267.3	258.9	247.1	227.6	204.0
105°	248.7	273.7	294.7	309.7	318.7	321.7	318.7	309.7	294.7	273.7	248.7
107.5°	293.5	319.3	338.7	355.2	366.2	372.6	366.2	355.2	338.7	319.3	293.5
110°	328.7	349.6	370.6	385.6	396.6	400.6	396.6	385.6	370.6	349.6	328.7



TEST NUMBER: P1428417

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	358.2	381.6	402.6	417.6	430.2	435.8	430.2	417.6	402.6	381.6	358.2
115°	399.6	430.6	449.5	463.5	472.5	477.5	472.5	463.5	449.5	430.6	399.6
117.5°	434.0	466.3	487.1	497.9	502.1	505.7	502.1	497.9	487.1	466.3	434.0
120°	455.5	485.5	509.5	523.5	528.5	530.5	528.5	523.5	509.5	485.5	455.5
122.5°	475.5	503.9	527.1	544.2	552.4	554.4	552.4	544.2	527.1	503.9	475.5
125°	503.5	530.5	554.4	571.4	580.4	585.4	580.4	571.4	554.4	530.5	503.5
127.5°	527.9	557.0	579.0	594.4	603.2	607.2	603.2	594.4	579.0	557.0	527.9
130°	541.4	571.4	593.4	610.4	618.4	622.4	618.4	610.4	593.4	571.4	541.4
132.5°	551.8	583.4	606.2	621.6	630.3	634.3	630.3	621.6	606.2	583.4	551.8
135°	564.4	597.4	621.4	636.3	644.3	648.3	644.3	636.3	621.4	597.4	564.4
137.5°	575.4	605.4	630.3	646.1	653.3	655.9	653.3	646.1	630.3	605.4	575.4
140°	583.4	609.4	634.3	649.3	657.3	658.3	657.3	649.3	634.3	609.4	583.4
142.5°	593.8	614.2	635.9	650.9	658.9	660.7	658.9	650.9	635.9	614.2	593.8
145°	612.4	624.4	639.3	653.3	660.3	662.3	660.3	653.3	639.3	624.4	612.4
147.5°	635.7	639.5	647.3	656.5	663.3	664.7	663.3	656.5	647.3	639.5	635.7
150°	653.3	652.3	655.3	661.3	667.3	666.3	667.3	661.3	655.3	652.3	653.3
152.5°	673.3	667.5	667.3	670.1	672.9	672.7	672.9	670.1	667.3	667.5	673.3
155°	707.3	696.3	690.3	688.3	688.3	687.3	688.3	688.3	690.3	696.3	707.3
157.5°	744.6	729.2	720.3	715.5	714.1	711.9	714.1	715.5	720.3	729.2	744.6
160°	770.2	753.2	744.2	736.2	733.2	730.2	733.2	736.2	744.2	753.2	770.2
162.5°	794.2	778.0	768.2	761.0	758.0	753.4	758.0	761.0	768.2	778.0	794.2
165°	833.1	816.2	805.2	799.2	795.2	791.2	795.2	799.2	805.2	816.2	833.1
167.5°	872.1	853.5	846.3	839.5	835.7	828.5	835.7	839.5	846.3	853.5	872.1
170°	896.1	879.1	875.1	869.1	862.1	854.1	862.1	869.1	875.1	879.1	896.1
172.5°	916.9	905.5	901.5	895.5	893.3	886.9	893.3	895.5	901.5	905.5	916.9
175°	947.0	938.0	938.0	937.0	934.0	928.0	934.0	937.0	938.0	938.0	947.0
177.5°	972.2	967.4	970.6	970.6	969.8	964.2	969.8	970.6	970.6	967.4	972.2
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1428417

CATALOG NUMBER: SQ2W-PW1-K-075U-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°	17.8	18.9	15.6	12.2
90°	18.0	11.0	7.0	3.0
92.5°	38.8	27.0	19.0	11.0
95°	77.9	61.9	44.0	31.0
97.5°	124.1	98.3	80.5	59.1
100°	148.8	123.9	106.9	83.9
102.5°	176.0	155.0	131.7	108.7
105°	224.8	198.8	171.8	145.8
107.5°	269.9	241.4	209.0	185.6
110°	298.7	267.7	233.8	212.8



TEST NUMBER: P1428417

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	326.7	294.9	260.1	239.2
115°	364.6	329.7	297.7	279.7
117.5°	401.2	365.2	331.5	317.3
120°	423.6	387.6	354.6	343.6
122.5°	441.9	406.8	376.2	371.6
125°	469.5	433.6	407.6	413.6
127.5°	491.9	458.9	442.5	455.9
130°	505.5	476.5	466.5	485.5
132.5°	517.5	494.9	490.5	516.7
135°	535.4	522.5	526.5	562.4
137.5°	556.8	551.8	565.2	610.6
140°	570.4	573.4	592.4	643.3
142.5°	588.8	595.8	620.4	674.5
145°	617.4	632.3	664.3	718.3
147.5°	649.7	669.1	708.7	764.0
150°	671.3	696.3	738.2	791.2
152.5°	696.1	721.9	763.8	817.6
155°	734.2	763.2	807.2	853.1
157.5°	773.2	802.8	844.7	884.9
160°	797.2	829.1	867.1	904.1
162.5°	824.3	853.9	887.1	920.1
165°	864.1	888.1	915.1	943.0
167.5°	897.5	917.5	938.6	960.4
170°	919.1	935.0	953.0	970.0
172.5°	937.4	950.2	963.4	978.0
175°	962.0	969.0	977.0	986.0
177.5°	981.0	983.4	985.8	989.8
180°	989.0	989.0	989.0	989.0



TEST NUMBER: P1428417  
 CATALOG NUMBER: SQ2W-PW1-K-075U-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	21.20	22.17	22.02	23.00	24.03	17.45	18.42	18.26	19.25	20.28
	3H	22.51	23.38	23.34	24.22	25.27	18.73	19.60	19.56	20.44	21.49
	4H	22.93	23.74	23.77	24.59	25.66	19.24	20.06	20.08	20.91	21.97
	6H	23.11	23.86	23.97	24.72	25.80	19.55	20.31	20.41	21.16	22.24
	8H	23.16	23.87	24.02	24.75	25.82	19.67	20.39	20.54	21.26	22.34
	12H	23.16	23.84	24.03	24.71	25.81	19.70	20.39	20.57	21.25	22.35
4H	2H	21.35	22.17	22.20	23.01	24.08	18.27	19.09	19.12	19.94	21.00
	3H	22.90	23.57	23.76	24.46	25.53	19.73	20.41	20.59	21.29	22.37
	4H	23.45	24.06	24.32	24.94	26.05	20.31	20.93	21.18	21.81	22.91
	6H	23.76	24.30	24.65	25.20	26.31	20.70	21.23	21.59	22.14	23.25
	8H	23.86	24.35	24.75	25.25	26.37	20.86	21.35	21.75	22.25	23.37
	12H	23.88	24.33	24.79	25.25	26.37	20.90	21.35	21.81	22.26	23.39
8H	4H	23.49	23.99	24.38	24.89	26.01	20.66	21.16	21.55	22.06	23.18
	6H	23.92	24.33	24.84	25.27	26.39	21.16	21.57	22.08	22.51	23.63
	8H	24.09	24.45	25.02	25.38	26.52	21.38	21.74	22.31	22.67	23.81
	12H	24.17	24.49	25.10	25.41	26.61	21.47	21.79	22.40	22.71	23.90
12H	4H	23.46	23.90	24.37	24.82	25.95	20.69	21.13	21.60	22.05	23.18
	6H	23.91	24.28	24.84	25.21	26.35	21.24	21.60	22.16	22.53	23.67
	8H	24.11	24.43	25.04	25.35	26.54	21.48	21.80	22.41	22.73	23.92