

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: P1428249

Luminaire Tested: SQ2W-PR1-K-075U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428249
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-075U-125D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE 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

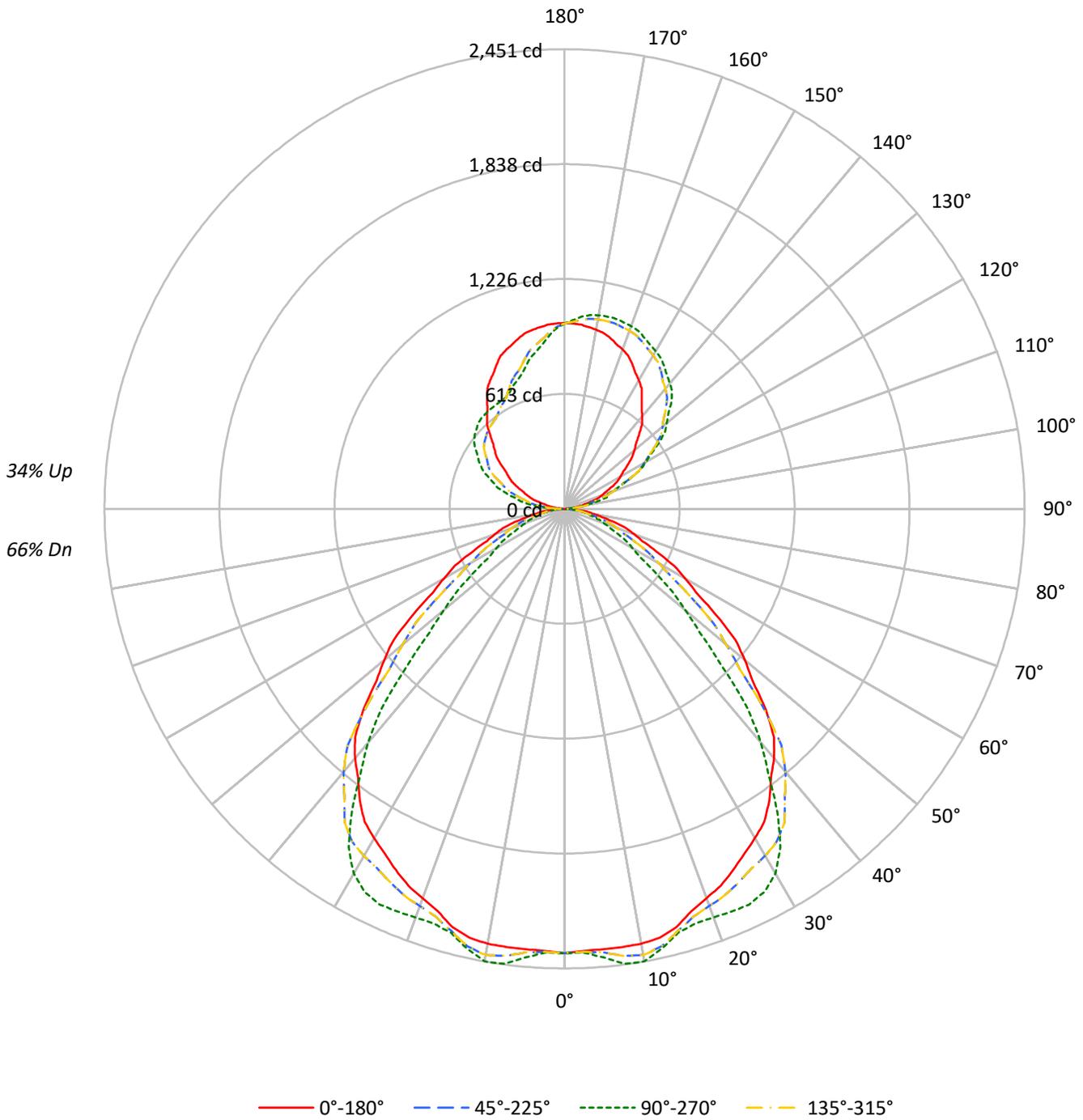
Lumens per Lamp: N/A
Luminaire Lumens: 8591.5 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 72.8
Input Voltage (V): 120
Input Current (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	111	111	111	111	105	105	105	105	92	92	92	81	81	81	71	71	71	66				
1	102	98	95	91	96	93	89	87	82	80	78	73	71	70	64	63	62	58				
2	94	87	81	76	88	82	77	72	73	69	66	65	62	59	58	55	53	50				
3	86	77	70	64	81	73	67	61	65	60	56	58	54	51	52	49	46	43				
4	79	69	61	55	74	65	58	53	58	53	49	52	48	44	47	43	40	37				
5	73	62	54	48	69	59	51	46	53	47	42	47	43	39	42	39	36	33				
6	67	56	48	42	63	53	46	40	48	42	37	43	38	35	39	35	32	29				
7	63	50	42	37	59	48	41	36	44	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	28	25	30	26	23	21				
10	51	39	32	27	48	37	30	26	34	28	24	31	26	23	28	24	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	38252	38252	38252	38252
5°	38202	38907	38202	38907
10°	38604	40188	38604	40188
15°	38592	39117	38592	39117
20°	37968	39836	37968	39836
25°	37860	41474	37860	41474
30°	37820	41873	37820	41873
35°	37461	38985	37461	38985
40°	36597	34306	36597	34306
45°	34631	27130	34631	27130
50°	31483	21049	31483	21049
55°	27668	16383	27668	16383
60°	23941	13491	23941	13491
65°	20668	11809	20668	11809
70°	18585	10489	18585	10489
75°	17024	9644	17024	9644
80°	14821	9428	14821	9428
85°	10744	4483	10744	4483

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 37179 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.8	2.7
10°-20°	662.3	7.7
20°-30°	1023.8	11.9
30°-40°	1231.3	14.3
40°-50°	1105.7	12.9
50°-60°	740.9	8.6
60°-70°	431.0	5.0
70°-80°	221.4	2.6
80°-90°	58.7	0.7
90°-100°	78.7	0.9
100°-110°	229.5	2.7
110°-120°	374.6	4.4
120°-130°	475.3	5.5
130°-140°	508.6	5.9
140°-150°	474.9	5.5
150°-160°	390.8	4.5
160°-170°	262.1	3.1
170°-180°	93.1	1.1
0°-30°	1915.0	22.3
0°-40°	3146.3	36.6
0°-60°	4992.8	58.1
0°-90°	5703.9	66.4
90°-120°	682.8	7.9
90°-150°	2141.7	24.9
90°-180°	2888.0	33.6
0°-180°	8591.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2369	2369	2369	2369	2369	
5°	2357	2401	2357	2401	2357	225
15°	2309	2340	2309	2340	2309	648
25°	2125	2328	2125	2328	2125	980
35°	1901	1978	1901	1978	1901	1185
45°	1517	1188	1517	1188	1517	1160
55°	983	582	983	582	983	883
65°	541	309	541	309	541	547
75°	273	155	273	155	273	290
85°	58	24	58	24	58	72
90°	3	22	3	43	3	5
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°	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2
2.5°	2359.5	2372.4	2385.3	2379.5	2367.5	2361.9	2362.7	2364.0	2366.6	2369.2	2366.6
5°	2357.1	2375.3	2393.6	2389.3	2377.5	2372.7	2374.8	2379.1	2389.8	2400.6	2389.8
7.5°	2356.6	2382.6	2408.6	2410.5	2404.5	2404.6	2410.9	2419.1	2433.3	2447.4	2433.3
10°	2354.7	2385.8	2416.9	2421.5	2417.2	2415.6	2416.7	2421.2	2436.3	2451.3	2436.3
12.5°	2343.1	2379.4	2415.6	2411.8	2394.7	2385.3	2383.8	2384.7	2392.9	2401.0	2392.9
15°	2308.8	2351.7	2394.7	2377.2	2339.7	2322.5	2325.7	2329.5	2334.8	2340.2	2334.8
17.5°	2248.4	2293.3	2338.2	2322.5	2286.6	2274.5	2286.1	2297.4	2307.9	2318.5	2307.9
20°	2209.8	2253.8	2297.8	2287.1	2258.1	2251.1	2266.1	2282.0	2300.2	2318.5	2300.2
22.5°	2175.0	2219.0	2263.0	2256.1	2232.3	2230.9	2252.0	2274.0	2299.1	2324.3	2299.1
25°	2125.2	2163.9	2202.5	2203.3	2191.5	2203.3	2238.8	2272.3	2300.2	2328.1	2300.2
27.5°	2073.1	2095.8	2118.6	2133.6	2146.1	2176.2	2224.1	2264.9	2284.4	2304.0	2284.4
30°	2028.6	2043.7	2058.7	2086.6	2118.8	2155.8	2197.7	2231.0	2238.5	2246.0	2238.5
32.5°	1980.3	1989.4	1998.4	2037.7	2087.0	2122.8	2144.9	2159.1	2149.4	2139.7	2149.4
35°	1900.6	1908.2	1915.7	1965.9	2030.3	2053.9	2036.7	2018.7	1998.3	1977.9	1998.3
37.5°	1806.0	1821.4	1836.9	1877.8	1927.2	1926.7	1876.5	1833.0	1809.6	1786.2	1809.6
40°	1736.4	1762.2	1787.9	1815.3	1843.2	1819.6	1744.5	1681.4	1654.6	1627.7	1654.6
42.5°	1651.4	1692.6	1733.8	1740.0	1734.4	1683.7	1588.0	1508.0	1475.1	1442.3	1475.1
45°	1516.7	1572.5	1628.3	1596.4	1535.2	1452.5	1348.4	1261.2	1224.7	1188.2	1224.7
47.5°	1357.7	1415.1	1472.4	1412.2	1312.8	1216.6	1123.6	1045.4	1011.3	977.1	1011.3
50°	1253.4	1299.6	1345.7	1277.6	1171.3	1074.7	987.8	913.2	875.6	838.0	875.6
52.5°	1147.2	1180.4	1213.7	1146.2	1045.1	951.0	864.1	790.4	756.2	722.1	756.2
55°	982.9	1000.1	1017.3	954.8	865.7	779.8	697.1	629.3	605.6	582.0	605.6
57.5°	832.2	843.2	854.1	794.9	712.2	635.8	565.6	508.6	491.2	473.8	491.2
60°	741.4	748.9	756.4	696.3	613.7	545.0	490.3	445.7	431.8	417.8	431.8
62.5°	658.3	664.1	669.9	612.0	532.8	471.4	427.8	392.5	382.0	371.4	382.0
65°	541.0	546.3	551.7	502.3	434.7	384.3	351.0	324.2	316.6	309.1	316.6
67.5°	447.8	450.5	453.3	412.7	357.5	316.8	290.6	269.2	262.1	255.0	262.1
70°	393.7	394.7	395.8	359.8	311.5	275.6	252.0	232.9	227.6	222.2	227.6
72.5°	345.4	343.9	342.3	310.3	268.0	237.2	217.8	202.4	198.8	195.1	198.8
75°	272.9	269.7	266.5	239.9	205.5	181.9	169.1	158.9	156.7	154.6	156.7
77.5°	203.8	200.4	197.0	174.9	146.5	130.2	125.9	122.7	122.7	122.7	122.7
80°	159.4	155.1	150.8	133.6	112.2	101.4	101.4	101.4	101.4	101.4	101.4
82.5°	118.8	112.8	106.8	96.3	84.3	78.2	78.2	78.0	77.2	76.3	77.2
85°	58.0	52.6	47.2	45.9	45.9	42.7	36.2	30.6	27.4	24.2	27.4
87.5°	16.1	16.9	17.9	15.4	11.7	9.8	9.8	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°	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2
2.5°	2364.0	2362.7	2361.9	2367.5	2379.5	2385.3	2372.4	2359.5	2372.4	2385.3	2379.5
5°	2379.1	2374.8	2372.7	2377.5	2389.3	2393.6	2375.3	2357.1	2375.3	2393.6	2389.3
7.5°	2419.1	2410.9	2404.6	2404.5	2410.5	2408.6	2382.6	2356.6	2382.6	2408.6	2410.5
10°	2421.2	2416.7	2415.6	2417.2	2421.5	2416.9	2385.8	2354.7	2385.8	2416.9	2421.5
12.5°	2384.7	2383.8	2385.3	2394.7	2411.8	2415.6	2379.4	2343.1	2379.4	2415.6	2411.8
15°	2329.5	2325.7	2322.5	2339.7	2377.2	2394.7	2351.7	2308.8	2351.7	2394.7	2377.2
17.5°	2297.4	2286.1	2274.5	2286.6	2322.5	2338.2	2293.3	2248.4	2293.3	2338.2	2322.5
20°	2282.0	2266.1	2251.1	2258.1	2287.1	2297.8	2253.8	2209.8	2253.8	2297.8	2287.1
22.5°	2274.0	2252.0	2230.9	2232.3	2256.1	2263.0	2219.0	2175.0	2219.0	2263.0	2256.1
25°	2272.3	2238.8	2203.3	2191.5	2203.3	2202.5	2163.9	2125.2	2163.9	2202.5	2203.3
27.5°	2264.9	2224.1	2176.2	2146.1	2133.6	2118.6	2095.8	2073.1	2095.8	2118.6	2133.6
30°	2231.0	2197.7	2155.8	2118.8	2086.6	2058.7	2043.7	2028.6	2043.7	2058.7	2086.6
32.5°	2159.1	2144.9	2122.8	2087.0	2037.7	1998.4	1989.4	1980.3	1989.4	1998.4	2037.7
35°	2018.7	2036.7	2053.9	2030.3	1965.9	1915.7	1908.2	1900.6	1908.2	1915.7	1965.9
37.5°	1833.0	1876.5	1926.7	1927.2	1877.8	1836.9	1821.4	1806.0	1821.4	1836.9	1877.8
40°	1681.4	1744.5	1819.6	1843.2	1815.3	1787.9	1762.2	1736.4	1762.2	1787.9	1815.3
42.5°	1508.0	1588.0	1683.7	1734.4	1740.0	1733.8	1692.6	1651.4	1692.6	1733.8	1740.0
45°	1261.2	1348.4	1452.5	1535.2	1596.4	1628.3	1572.5	1516.7	1572.5	1628.3	1596.4
47.5°	1045.4	1123.6	1216.6	1312.8	1412.2	1472.4	1415.1	1357.7	1415.1	1472.4	1412.2
50°	913.2	987.8	1074.7	1171.3	1277.6	1345.7	1299.6	1253.4	1299.6	1345.7	1277.6
52.5°	790.4	864.1	951.0	1045.1	1146.2	1213.7	1180.4	1147.2	1180.4	1213.7	1146.2
55°	629.3	697.1	779.8	865.7	954.8	1017.3	1000.1	982.9	1000.1	1017.3	954.8
57.5°	508.6	565.6	635.8	712.2	794.9	854.1	843.2	832.2	843.2	854.1	794.9
60°	445.7	490.3	545.0	613.7	696.3	756.4	748.9	741.4	748.9	756.4	696.3
62.5°	392.5	427.8	471.4	532.8	612.0	669.9	664.1	658.3	664.1	669.9	612.0
65°	324.2	351.0	384.3	434.7	502.3	551.7	546.3	541.0	546.3	551.7	502.3
67.5°	269.2	290.6	316.8	357.5	412.7	453.3	450.5	447.8	450.5	453.3	412.7
70°	232.9	252.0	275.6	311.5	359.8	395.8	394.7	393.7	394.7	395.8	359.8
72.5°	202.4	217.8	237.2	268.0	310.3	342.3	343.9	345.4	343.9	342.3	310.3
75°	158.9	169.1	181.9	205.5	239.9	266.5	269.7	272.9	269.7	266.5	239.9
77.5°	122.7	125.9	130.2	146.5	174.9	197.0	200.4	203.8	200.4	197.0	174.9
80°	101.4	101.4	101.4	112.2	133.6	150.8	155.1	159.4	155.1	150.8	133.6
82.5°	78.0	78.2	78.2	84.3	96.3	106.8	112.8	118.8	112.8	106.8	96.3
85°	30.6	36.2	42.7	45.9	45.9	47.2	52.6	58.0	52.6	47.2	45.9
87.5°	10.0	9.8	9.8	11.7	15.4	17.9	16.9	16.1	16.9	17.7	15.8
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: P1428249

CATALOG NUMBER: SQ2W-PR1-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: P1428249

CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2
2.5°	2367.5	2361.9	2362.7	2364.0	2366.6	2369.2	2366.6	2364.0	2362.7	2361.9	2367.5
5°	2377.5	2372.7	2374.8	2379.1	2389.8	2400.6	2389.8	2379.1	2374.8	2372.7	2377.5
7.5°	2404.5	2404.6	2410.9	2419.1	2433.3	2447.4	2433.3	2419.1	2410.9	2404.6	2404.5
10°	2417.2	2415.6	2416.7	2421.2	2436.3	2451.3	2436.3	2421.2	2416.7	2415.6	2417.2
12.5°	2394.7	2385.3	2383.8	2384.7	2392.9	2401.0	2392.9	2384.7	2383.8	2385.3	2394.7
15°	2339.7	2322.5	2325.7	2329.5	2334.8	2340.2	2334.8	2329.5	2325.7	2322.5	2339.7
17.5°	2286.6	2274.5	2286.1	2297.4	2307.9	2318.5	2307.9	2297.4	2286.1	2274.5	2286.6
20°	2258.1	2251.1	2266.1	2282.0	2300.2	2318.5	2300.2	2282.0	2266.1	2251.1	2258.1
22.5°	2232.3	2230.9	2252.0	2274.0	2299.1	2324.3	2299.1	2274.0	2252.0	2230.9	2232.3
25°	2191.5	2203.3	2238.8	2272.3	2300.2	2328.1	2300.2	2272.3	2238.8	2203.3	2191.5
27.5°	2146.1	2176.2	2224.1	2264.9	2284.4	2304.0	2284.4	2264.9	2224.1	2176.2	2146.1
30°	2118.8	2155.8	2197.7	2231.0	2238.5	2246.0	2238.5	2231.0	2197.7	2155.8	2118.8
32.5°	2087.0	2122.8	2144.9	2159.1	2149.4	2139.7	2149.4	2159.1	2144.9	2122.8	2087.0
35°	2030.3	2053.9	2036.7	2018.7	1998.3	1977.9	1998.3	2018.7	2036.7	2053.9	2030.3
37.5°	1927.2	1926.7	1876.5	1833.0	1809.6	1786.2	1809.6	1833.0	1876.5	1926.7	1927.2
40°	1843.2	1819.6	1744.5	1681.4	1654.6	1627.7	1654.6	1681.4	1744.5	1819.6	1843.2
42.5°	1734.4	1683.7	1588.0	1508.0	1475.1	1442.3	1475.1	1508.0	1588.0	1683.7	1734.4
45°	1535.2	1452.5	1348.4	1261.2	1224.7	1188.2	1224.7	1261.2	1348.4	1452.5	1535.2
47.5°	1312.8	1216.6	1123.6	1045.4	1011.3	977.1	1011.3	1045.4	1123.6	1216.6	1312.8
50°	1171.3	1074.7	987.8	913.2	875.6	838.0	875.6	913.2	987.8	1074.7	1171.3
52.5°	1045.1	951.0	864.1	790.4	756.2	722.1	756.2	790.4	864.1	951.0	1045.1
55°	865.7	779.8	697.1	629.3	605.6	582.0	605.6	629.3	697.1	779.8	865.7
57.5°	712.2	635.8	565.6	508.6	491.2	473.8	491.2	508.6	565.6	635.8	712.2
60°	613.7	545.0	490.3	445.7	431.8	417.8	431.8	445.7	490.3	545.0	613.7
62.5°	532.8	471.4	427.8	392.5	382.0	371.4	382.0	392.5	427.8	471.4	532.8
65°	434.7	384.3	351.0	324.2	316.6	309.1	316.6	324.2	351.0	384.3	434.7
67.5°	357.5	316.8	290.6	269.2	262.1	255.0	262.1	269.2	290.6	316.8	357.5
70°	311.5	275.6	252.0	232.9	227.6	222.2	227.6	232.9	252.0	275.6	311.5
72.5°	268.0	237.2	217.8	202.4	198.8	195.1	198.8	202.4	217.8	237.2	268.0
75°	205.5	181.9	169.1	158.9	156.7	154.6	156.7	158.9	169.1	181.9	205.5
77.5°	146.5	130.2	125.9	122.7	122.7	122.7	122.7	122.7	125.9	130.2	146.5
80°	112.2	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	112.2
82.5°	84.3	78.2	78.2	78.0	77.2	76.3	77.2	78.0	78.2	78.2	84.3
85°	45.9	42.7	36.2	30.6	27.4	24.2	27.4	30.6	36.2	42.7	45.9
87.5°	12.5	11.8	13.2	14.0	14.8	14.4	14.8	14.0	13.2	11.8	12.5
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	120.9	106.9	92.9	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: P1428249

CATALOG NUMBER: SQ2W-PR1-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: P1428249

CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2369.2	2369.2	2369.2	2369.2
2.5°	2379.5	2385.3	2372.4	2359.5
5°	2389.3	2393.6	2375.3	2357.1
7.5°	2410.5	2408.6	2382.6	2356.6
10°	2421.5	2416.9	2385.8	2354.7
12.5°	2411.8	2415.6	2379.4	2343.1
15°	2377.2	2394.7	2351.7	2308.8
17.5°	2322.5	2338.2	2293.3	2248.4
20°	2287.1	2297.8	2253.8	2209.8
22.5°	2256.1	2263.0	2219.0	2175.0
25°	2203.3	2202.5	2163.9	2125.2
27.5°	2133.6	2118.6	2095.8	2073.1
30°	2086.6	2058.7	2043.7	2028.6
32.5°	2037.7	1998.4	1989.4	1980.3
35°	1965.9	1915.7	1908.2	1900.6
37.5°	1877.8	1836.9	1821.4	1806.0
40°	1815.3	1787.9	1762.2	1736.4
42.5°	1740.0	1733.8	1692.6	1651.4
45°	1596.4	1628.3	1572.5	1516.7
47.5°	1412.2	1472.4	1415.1	1357.7
50°	1277.6	1345.7	1299.6	1253.4
52.5°	1146.2	1213.7	1180.4	1147.2
55°	954.8	1017.3	1000.1	982.9
57.5°	794.9	854.1	843.2	832.2
60°	696.3	756.4	748.9	741.4
62.5°	612.0	669.9	664.1	658.3
65°	502.3	551.7	546.3	541.0
67.5°	412.7	453.3	450.5	447.8
70°	359.8	395.8	394.7	393.7
72.5°	310.3	342.3	343.9	345.4
75°	239.9	266.5	269.7	272.9
77.5°	174.9	197.0	200.4	203.8
80°	133.6	150.8	155.1	159.4
82.5°	96.3	106.8	112.8	118.8
85°	45.9	47.2	52.6	58.0
87.5°	15.8	17.7	16.9	16.1
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: P1428249

CATALOG NUMBER: SQ2W-PR1-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: P1428249
 CATALOG NUMBER: SQ2W-PR1-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	20.75	21.72	21.56	22.55	23.57	17.12	18.09	17.93	18.92	19.93
	3H	21.96	22.83	22.79	23.67	24.72	18.29	19.15	19.11	19.99	21.04
	4H	22.45	23.27	23.30	24.11	25.17	18.76	19.57	19.60	20.42	21.48
	6H	22.76	23.51	23.61	24.36	25.43	19.10	19.85	19.96	20.71	21.78
	8H	22.86	23.58	23.73	24.45	25.52	19.24	19.96	20.11	20.83	21.90
	12H	22.91	23.59	23.77	24.45	25.55	19.28	19.96	20.15	20.82	21.92
4H	2H	20.86	21.68	21.71	22.53	23.59	17.84	18.66	18.69	19.50	20.56
	3H	22.34	23.01	23.19	23.89	24.96	19.21	19.88	20.07	20.76	21.84
	4H	22.97	23.58	23.84	24.46	25.56	19.76	20.37	20.63	21.25	22.35
	6H	23.41	23.93	24.29	24.83	25.94	20.20	20.72	21.08	21.62	22.73
	8H	23.57	24.06	24.45	24.95	26.07	20.38	20.87	21.27	21.77	22.89
	12H	23.64	24.08	24.54	24.99	26.12	20.43	20.88	21.34	21.79	22.91
8H	4H	23.00	23.49	23.89	24.39	25.51	20.09	20.59	20.98	21.48	22.60
	6H	23.54	23.94	24.45	24.88	26.00	20.64	21.04	21.55	21.98	23.10
	8H	23.77	24.13	24.70	25.06	26.20	20.90	21.26	21.82	22.19	23.32
	12H	23.89	24.21	24.82	25.13	26.32	21.00	21.32	21.92	22.24	23.42
12H	4H	22.96	23.41	23.87	24.32	25.44	20.12	20.56	21.02	21.47	22.60
	6H	23.53	23.89	24.45	24.82	25.95	20.71	21.07	21.63	22.00	23.13
	8H	23.78	24.10	24.71	25.02	26.21	21.00	21.32	21.93	22.24	23.43