

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: P1427837

Luminaire Tested: SQ2W-PH1-0U-125D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427837
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-0U-125D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

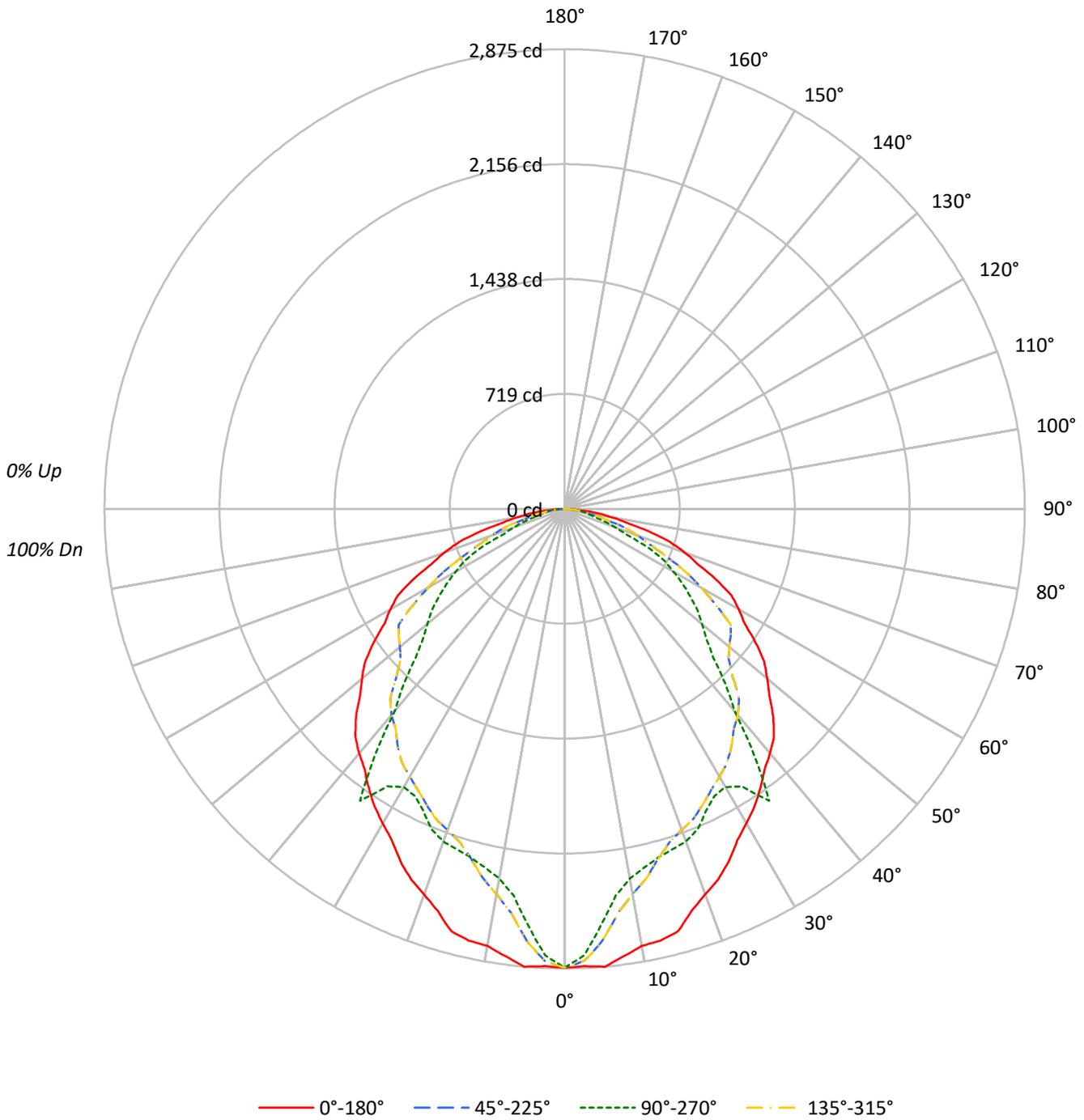
Lumens per Lamp: N/A
Luminaire Lumens: 6345.4 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.2
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	55	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	46334	46334	46334	46334
5°	46601	42353	46601	42353
10°	45528	38499	45528	38499
15°	45733	37746	45733	37746
20°	44100	38049	44100	38049
25°	43293	37165	43293	37165
30°	42354	37467	42354	37467
35°	42034	43916	42034	43916
40°	42069	34818	42069	34818
45°	42084	29989	42084	29989
50°	41495	28120	41495	28120
55°	40968	26978	40968	26978
60°	40561	25307	40561	25307
65°	39850	22009	39850	22009
70°	37638	15724	37638	15724
75°	33555	11921	33555	11921
80°	27419	11167	27419	11167
85°	17191	7595	17191	7595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 42084 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.5	4.0
10°-20°	664.2	10.5
20°-30°	973.8	15.3
30°-40°	1179.2	18.6
40°-50°	1159.5	18.3
50°-60°	1008.6	15.9
60°-70°	701.5	11.1
70°-80°	332.7	5.2
80°-90°	73.3	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1890.6	29.8
0°-40°	3069.7	48.4
0°-60°	5237.9	82.5
0°-90°	6345.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6345.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2870	2870	2870	2870	2870	
5°	2875	2613	2875	2613	2875	270
15°	2736	2258	2736	2258	2736	763
25°	2430	2086	2430	2086	2430	1118
35°	2133	2228	2133	2228	2133	1336
45°	1843	1313	1843	1313	1843	1417
55°	1455	958	1455	958	1455	1300
65°	1043	576	1043	576	1043	1025
75°	538	191	538	191	538	570
85°	93	41	93	41	93	127
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8
2.5°	2863.3	2876.9	2890.5	2871.3	2841.2	2820.3	2808.7	2799.4	2797.5	2795.6	2797.5
5°	2875.3	2874.1	2872.9	2816.1	2740.9	2684.4	2646.8	2618.0	2615.6	2613.2	2615.6
7.5°	2822.9	2785.2	2747.6	2671.4	2582.3	2517.0	2475.5	2443.9	2442.0	2440.0	2442.0
10°	2777.0	2719.9	2662.9	2576.7	2480.9	2414.1	2376.5	2348.3	2348.3	2348.3	2348.3
12.5°	2766.1	2676.0	2586.0	2491.5	2395.7	2333.8	2305.9	2286.4	2292.2	2298.0	2292.2
15°	2736.0	2600.1	2464.2	2368.3	2285.8	2240.9	2233.6	2231.5	2244.8	2258.2	2244.8
17.5°	2636.6	2490.3	2343.9	2259.6	2196.0	2172.0	2187.5	2203.1	2218.6	2234.1	2218.6
20°	2566.7	2422.3	2277.9	2199.9	2144.1	2130.8	2159.9	2185.4	2199.9	2214.5	2199.9
22.5°	2507.8	2361.4	2215.0	2146.0	2102.8	2097.3	2129.3	2155.3	2163.0	2170.8	2163.0
25°	2430.2	2265.2	2100.1	2049.7	2037.6	2045.5	2073.4	2093.4	2089.8	2086.2	2089.8
27.5°	2337.4	2165.0	1992.7	1960.4	1974.7	1990.3	2007.3	2020.6	2022.8	2025.0	2022.8
30°	2271.8	2099.5	1927.2	1901.4	1924.4	1944.5	1961.5	1978.1	1993.9	2009.7	1993.9
32.5°	2208.5	2030.3	1852.2	1833.7	1868.4	1905.9	1946.2	1985.4	2021.6	2057.8	2021.6
35°	2132.6	1946.9	1761.2	1746.7	1789.1	1843.7	1910.5	1990.3	2109.2	2228.1	2109.2
37.5°	2052.8	1853.8	1654.8	1648.2	1705.7	1763.2	1820.7	1873.3	1911.2	1949.1	1911.2
40°	1996.0	1787.3	1578.6	1578.3	1647.4	1719.0	1793.1	1826.7	1739.4	1652.0	1739.4
42.5°	1934.9	1726.1	1517.4	1511.3	1572.7	1651.6	1747.9	1783.3	1635.7	1488.2	1635.7
45°	1843.1	1625.9	1408.7	1400.8	1462.7	1506.4	1531.8	1524.6	1419.0	1313.4	1419.0
47.5°	1735.0	1528.0	1320.9	1319.2	1386.0	1390.8	1333.8	1280.7	1239.4	1198.2	1239.4
50°	1652.0	1456.6	1261.2	1269.7	1346.2	1338.9	1247.9	1172.9	1146.2	1119.5	1146.2
52.5°	1571.2	1385.5	1199.8	1222.4	1314.4	1299.8	1178.7	1083.4	1065.4	1047.4	1065.4
55°	1455.4	1277.0	1098.6	1149.6	1277.0	1257.6	1091.3	965.7	962.1	958.4	962.1
57.5°	1332.5	1163.8	995.1	1030.5	1133.9	1113.5	969.4	862.8	869.1	875.4	869.1
60°	1256.1	1092.2	928.4	932.9	993.6	974.2	874.7	798.2	791.0	783.7	791.0
62.5°	1175.2	1019.2	863.1	840.5	862.3	839.5	772.0	719.6	712.3	705.0	712.3
65°	1043.1	901.1	759.1	716.3	706.6	673.8	618.0	576.1	576.1	576.1	576.1
67.5°	897.8	774.0	650.2	602.4	579.8	547.3	504.8	465.7	436.5	407.4	436.5
70°	797.3	688.1	578.9	528.8	498.5	459.6	412.3	372.0	352.5	333.1	352.5
72.5°	690.3	596.6	502.9	451.6	414.5	376.6	338.0	303.5	281.2	258.9	281.2
75°	537.9	462.7	387.4	337.7	296.4	258.2	223.0	196.0	193.6	191.1	193.6
77.5°	388.8	334.0	279.1	238.8	203.4	176.8	159.1	145.9	146.1	146.4	146.1
80°	294.9	253.6	212.4	174.8	138.3	119.5	118.3	117.7	118.9	120.1	118.9
82.5°	207.5	176.9	146.4	122.3	100.5	90.4	92.1	93.4	93.7	93.9	93.7
85°	92.8	78.3	63.7	58.3	55.8	52.2	47.3	43.4	42.2	41.0	42.2
87.5°	19.7	18.7	17.7	15.3	12.4	10.9	10.9	10.9	10.9	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8
2.5°	2799.4	2808.7	2820.3	2841.2	2871.3	2890.5	2876.9	2863.3	2876.9	2890.5	2871.3
5°	2618.0	2646.8	2684.4	2740.9	2816.1	2872.9	2874.1	2875.3	2874.1	2872.9	2816.1
7.5°	2443.9	2475.5	2517.0	2582.3	2671.4	2747.6	2785.2	2822.9	2785.2	2747.6	2671.4
10°	2348.3	2376.5	2414.1	2480.9	2576.7	2662.9	2719.9	2777.0	2719.9	2662.9	2576.7
12.5°	2286.4	2305.9	2333.8	2395.7	2491.5	2586.0	2676.0	2766.1	2676.0	2586.0	2491.5
15°	2231.5	2233.6	2240.9	2285.8	2368.3	2464.2	2600.1	2736.0	2600.1	2464.2	2368.3
17.5°	2203.1	2187.5	2172.0	2196.0	2259.6	2343.9	2490.3	2636.6	2490.3	2343.9	2259.6
20°	2185.4	2159.9	2130.8	2144.1	2199.9	2277.9	2422.3	2566.7	2422.3	2277.9	2199.9
22.5°	2155.3	2129.3	2097.3	2102.8	2146.0	2215.0	2361.4	2507.8	2361.4	2215.0	2146.0
25°	2093.4	2073.4	2045.5	2037.6	2049.7	2100.1	2265.2	2430.2	2265.2	2100.1	2049.7
27.5°	2020.6	2007.3	1990.3	1974.7	1960.4	1992.7	2165.0	2337.4	2165.0	1992.7	1960.4
30°	1978.1	1961.5	1944.5	1924.4	1901.4	1927.2	2099.5	2271.8	2099.5	1927.2	1901.4
32.5°	1985.4	1946.2	1905.9	1868.4	1833.7	1852.2	2030.3	2208.5	2030.3	1852.2	1833.7
35°	1990.3	1910.5	1843.7	1789.1	1746.7	1761.2	1946.9	2132.6	1946.9	1761.2	1746.7
37.5°	1873.3	1820.7	1763.2	1705.7	1648.2	1654.8	1853.8	2052.8	1853.8	1654.8	1648.2
40°	1826.7	1793.1	1719.0	1647.4	1578.3	1578.6	1787.3	1996.0	1787.3	1578.6	1578.3
42.5°	1783.3	1747.9	1651.6	1572.7	1511.3	1517.4	1726.1	1934.9	1726.1	1517.4	1511.3
45°	1524.6	1531.8	1506.4	1462.7	1400.8	1408.7	1625.9	1843.1	1625.9	1408.7	1400.8
47.5°	1280.7	1333.8	1390.8	1386.0	1319.2	1320.9	1528.0	1735.0	1528.0	1320.9	1319.2
50°	1172.9	1247.9	1338.9	1346.2	1269.7	1261.2	1456.6	1652.0	1456.6	1261.2	1269.7
52.5°	1083.4	1178.7	1299.8	1314.4	1222.4	1199.8	1385.5	1571.2	1385.5	1199.8	1222.4
55°	965.7	1091.3	1257.6	1277.0	1149.6	1098.6	1277.0	1455.4	1277.0	1098.6	1149.6
57.5°	862.8	969.4	1113.5	1133.9	1030.5	995.1	1163.8	1332.5	1163.8	995.1	1030.5
60°	798.2	874.7	974.2	993.6	932.9	928.4	1092.2	1256.1	1092.2	928.4	932.9
62.5°	719.6	772.0	839.5	862.3	840.5	863.1	1019.2	1175.2	1019.2	863.1	840.5
65°	576.1	618.0	673.8	706.6	716.3	759.1	901.1	1043.1	901.1	759.1	716.3
67.5°	465.7	504.8	547.3	579.8	602.4	650.2	774.0	897.8	774.0	650.2	602.4
70°	372.0	412.3	459.6	498.5	528.8	578.9	688.1	797.3	688.1	578.9	528.8
72.5°	303.5	338.0	376.6	414.5	451.6	502.9	596.6	690.3	596.6	502.9	451.6
75°	196.0	223.0	258.2	296.4	337.7	387.4	462.7	537.9	462.7	387.4	337.7
77.5°	145.9	159.1	176.8	203.4	238.8	279.1	334.0	388.8	334.0	279.1	238.8
80°	117.7	118.3	119.5	138.3	174.8	212.4	253.6	294.9	253.6	212.4	174.8
82.5°	93.4	92.1	90.4	100.5	122.3	146.4	176.9	207.5	176.9	146.4	122.3
85°	43.4	47.3	52.2	55.8	58.3	63.7	78.3	92.8	78.3	63.7	58.3
87.5°	10.9	10.9	10.9	12.4	15.3	17.7	18.7	19.7	18.7	17.7	15.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8	2869.8
2.5°	2841.2	2820.3	2808.7	2799.4	2797.5	2795.6	2797.5	2799.4	2808.7	2820.3	2841.2
5°	2740.9	2684.4	2646.8	2618.0	2615.6	2613.2	2615.6	2618.0	2646.8	2684.4	2740.9
7.5°	2582.3	2517.0	2475.5	2443.9	2442.0	2440.0	2442.0	2443.9	2475.5	2517.0	2582.3
10°	2480.9	2414.1	2376.5	2348.3	2348.3	2348.3	2348.3	2348.3	2376.5	2414.1	2480.9
12.5°	2395.7	2333.8	2305.9	2286.4	2292.2	2298.0	2292.2	2286.4	2305.9	2333.8	2395.7
15°	2285.8	2240.9	2233.6	2231.5	2244.8	2258.2	2244.8	2231.5	2233.6	2240.9	2285.8
17.5°	2196.0	2172.0	2187.5	2203.1	2218.6	2234.1	2218.6	2203.1	2187.5	2172.0	2196.0
20°	2144.1	2130.8	2159.9	2185.4	2199.9	2214.5	2199.9	2185.4	2159.9	2130.8	2144.1
22.5°	2102.8	2097.3	2129.3	2155.3	2163.0	2170.8	2163.0	2155.3	2129.3	2097.3	2102.8
25°	2037.6	2045.5	2073.4	2093.4	2089.8	2086.2	2089.8	2093.4	2073.4	2045.5	2037.6
27.5°	1974.7	1990.3	2007.3	2020.6	2022.8	2025.0	2022.8	2020.6	2007.3	1990.3	1974.7
30°	1924.4	1944.5	1961.5	1978.1	1993.9	2009.7	1993.9	1978.1	1961.5	1944.5	1924.4
32.5°	1868.4	1905.9	1946.2	1985.4	2021.6	2057.8	2021.6	1985.4	1946.2	1905.9	1868.4
35°	1789.1	1843.7	1910.5	1990.3	2109.2	2228.1	2109.2	1990.3	1910.5	1843.7	1789.1
37.5°	1705.7	1763.2	1820.7	1873.3	1911.2	1949.1	1911.2	1873.3	1820.7	1763.2	1705.7
40°	1647.4	1719.0	1793.1	1826.7	1739.4	1652.0	1739.4	1826.7	1793.1	1719.0	1647.4
42.5°	1572.7	1651.6	1747.9	1783.3	1635.7	1488.2	1635.7	1783.3	1747.9	1651.6	1572.7
45°	1462.7	1506.4	1531.8	1524.6	1419.0	1313.4	1419.0	1524.6	1531.8	1506.4	1462.7
47.5°	1386.0	1390.8	1333.8	1280.7	1239.4	1198.2	1239.4	1280.7	1333.8	1390.8	1386.0
50°	1346.2	1338.9	1247.9	1172.9	1146.2	1119.5	1146.2	1172.9	1247.9	1338.9	1346.2
52.5°	1314.4	1299.8	1178.7	1083.4	1065.4	1047.4	1065.4	1083.4	1178.7	1299.8	1314.4
55°	1277.0	1257.6	1091.3	965.7	962.1	958.4	962.1	965.7	1091.3	1257.6	1277.0
57.5°	1133.9	1113.5	969.4	862.8	869.1	875.4	869.1	862.8	969.4	1113.5	1133.9
60°	993.6	974.2	874.7	798.2	791.0	783.7	791.0	798.2	874.7	974.2	993.6
62.5°	862.3	839.5	772.0	719.6	712.3	705.0	712.3	719.6	772.0	839.5	862.3
65°	706.6	673.8	618.0	576.1	576.1	576.1	576.1	576.1	618.0	673.8	706.6
67.5°	579.8	547.3	504.8	465.7	436.5	407.4	436.5	465.7	504.8	547.3	579.8
70°	498.5	459.6	412.3	372.0	352.5	333.1	352.5	372.0	412.3	459.6	498.5
72.5°	414.5	376.6	338.0	303.5	281.2	258.9	281.2	303.5	338.0	376.6	414.5
75°	296.4	258.2	223.0	196.0	193.6	191.1	193.6	196.0	223.0	258.2	296.4
77.5°	203.4	176.8	159.1	145.9	146.1	146.4	146.1	145.9	159.1	176.8	203.4
80°	138.3	119.5	118.3	117.7	118.9	120.1	118.9	117.7	118.3	119.5	138.3
82.5°	100.5	90.4	92.1	93.4	93.7	93.9	93.7	93.4	92.1	90.4	100.5
85°	55.8	52.2	47.3	43.4	42.2	41.0	42.2	43.4	47.3	52.2	55.8
87.5°	12.4	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1427837

CATALOG NUMBER: SQ2W-PH1-0U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2869.8	2869.8	2869.8	2869.8
2.5°	2871.3	2890.5	2876.9	2863.3
5°	2816.1	2872.9	2874.1	2875.3
7.5°	2671.4	2747.6	2785.2	2822.9
10°	2576.7	2662.9	2719.9	2777.0
12.5°	2491.5	2586.0	2676.0	2766.1
15°	2368.3	2464.2	2600.1	2736.0
17.5°	2259.6	2343.9	2490.3	2636.6
20°	2199.9	2277.9	2422.3	2566.7
22.5°	2146.0	2215.0	2361.4	2507.8
25°	2049.7	2100.1	2265.2	2430.2
27.5°	1960.4	1992.7	2165.0	2337.4
30°	1901.4	1927.2	2099.5	2271.8
32.5°	1833.7	1852.2	2030.3	2208.5
35°	1746.7	1761.2	1946.9	2132.6
37.5°	1648.2	1654.8	1853.8	2052.8
40°	1578.3	1578.6	1787.3	1996.0
42.5°	1511.3	1517.4	1726.1	1934.9
45°	1400.8	1408.7	1625.9	1843.1
47.5°	1319.2	1320.9	1528.0	1735.0
50°	1269.7	1261.2	1456.6	1652.0
52.5°	1222.4	1199.8	1385.5	1571.2
55°	1149.6	1098.6	1277.0	1455.4
57.5°	1030.5	995.1	1163.8	1332.5
60°	932.9	928.4	1092.2	1256.1
62.5°	840.5	863.1	1019.2	1175.2
65°	716.3	759.1	901.1	1043.1
67.5°	602.4	650.2	774.0	897.8
70°	528.8	578.9	688.1	797.3
72.5°	451.6	502.9	596.6	690.3
75°	337.7	387.4	462.7	537.9
77.5°	238.8	279.1	334.0	388.8
80°	174.8	212.4	253.6	294.9
82.5°	122.3	146.4	176.9	207.5
85°	58.3	63.7	78.3	92.8
87.5°	15.3	17.7	18.7	19.7
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P1427837
 CATALOG NUMBER: SQ2W-PH1-0U-125D-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	24.05	25.64	24.41	25.95	26.27	22.88	24.47	23.24	24.78	25.09
	3H	26.27	27.71	26.65	28.03	28.39	23.98	25.41	24.36	25.74	26.10
	4H	27.12	28.47	27.52	28.81	29.19	24.26	25.60	24.65	25.95	26.33
	6H	27.62	28.87	28.03	29.23	29.62	24.43	25.68	24.84	26.04	26.43
	8H	27.80	28.98	28.22	29.37	29.77	24.51	25.70	24.94	26.09	26.49
	12H	27.88	29.01	28.31	29.39	29.82	24.55	25.68	24.98	26.06	26.49
4H	2H	24.57	25.91	24.97	26.26	26.64	23.64	24.99	24.04	25.34	25.71
	3H	26.88	28.00	27.29	28.40	28.80	24.94	26.06	25.35	26.46	26.86
	4H	27.79	28.80	28.22	29.21	29.65	25.26	26.27	25.69	26.68	27.12
	6H	28.39	29.26	28.84	29.71	30.16	25.50	26.38	25.95	26.82	27.28
	8H	28.60	29.42	29.07	29.87	30.33	25.60	26.42	26.07	26.87	27.33
	12H	28.72	29.46	29.20	29.93	30.40	25.66	26.40	26.14	26.87	27.34
8H	4H	27.86	28.69	28.33	29.13	29.59	25.55	26.37	26.01	26.81	27.27
	6H	28.52	29.20	29.02	29.69	30.17	25.84	26.52	26.34	27.01	27.49
	8H	28.79	29.40	29.30	29.91	30.40	25.99	26.60	26.51	27.11	27.60
	12H	28.96	29.49	29.46	29.98	30.55	26.09	26.63	26.60	27.12	27.68
12H	4H	27.85	28.59	28.33	29.06	29.53	25.58	26.31	26.06	26.79	27.26
	6H	28.50	29.11	29.02	29.62	30.11	25.88	26.49	26.39	27.00	27.49
	8H	28.81	29.35	29.32	29.84	30.40	26.08	26.62	26.59	27.11	27.67