

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: P935389

Luminaire Tested: SQ4-FA-100U-125D-B2750-1D-UNV-W2A-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935389
REPORT IS A COMBINATION OF REPORTS P933751 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-B2750-1D-UNV-W2A-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

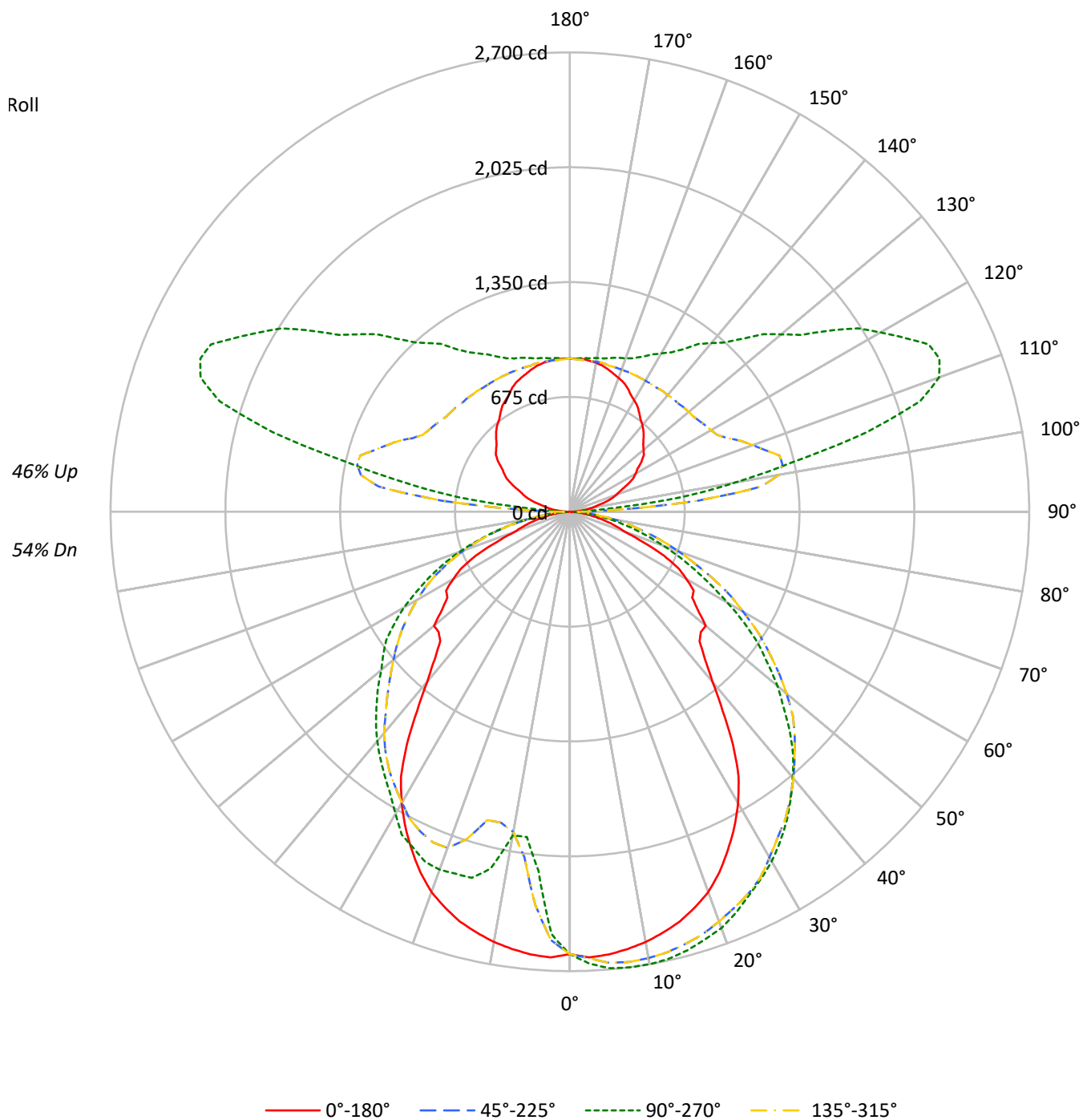
Lumens per Lamp: N/A
Luminaire Lumens: 12583.4 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 103.2
Input Voltage (V): NR
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

TEST NUMBER: P935389

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-W2A-W-6-3500K

Luminous Intensity Polar Plot



TEST NUMBER: P935389

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-W2A-W-6-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54		
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45		
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38		
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32		
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28		
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24		
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21		
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19		
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17		
9	51	38	31																	

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CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-W2A-W-6-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.7	1.9
10°-20°	666.3	5.3
20°-30°	1029.9	8.2
30°-40°	1229.5	9.8
40°-50°	1236.7	9.8
50°-60°	1076.1	8.6
60°-70°	763.0	6.1
70°-80°	403.7	3.2
80°-90°	104.0	0.8
90°-100°	439.1	3.5
100°-110°	1154.4	9.2
110°-120°	1197.0	9.5
120°-130°	960.2	7.6
130°-140°	753.4	6.0
140°-150°	578.2	4.6
150°-160°	416.4	3.3
160°-170°	254.8	2.0
170°-180°	86.1	0.7
0°-30°	1930.9	15.3
0°-40°	3160.4	25.1
0°-60°	5473.2	43.5
0°-90°	6743.8	53.6
90°-120°	2790.5	22.2
90°-150°	5082.3	40.4
90°-180°	5840.0	46.4
0°-180°	12583.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2600	2600	2600	2600	2600	
5°	2612	2693	2612	2118	2612	248
15°	2494	2668	2494	2228	2494	702
25°	2196	2489	2196	2179	2196	1008
35°	1670	2221	1670	1896	1670	1033
45°	1077	1830	1077	1606	1077	863
55°	878	1350	878	1318	878	807
65°	610	814	610	910	610	583
75°	231	386	231	462	231	243
85°	39	98	39	84	39	53
90°	6	23	6	23	6	7
95°	58					

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2621.7	2621.7	2636.6	2641.4	2641.4	2634.0	2626.7	2634.0	2656.2	2663.6	2661.1
5°	2611.9	2631.6	2658.6	2663.6	2668.5	2666.0	2661.1	2666.0	2690.6	2695.6	2698.0
7.5°	2592.3	2629.1	2663.6	2671.0	2678.3	2671.0	2668.5	2673.4	2698.0	2702.9	2702.9
10°	2567.7	2619.3	2658.6	2663.6	2671.0	2663.6	2663.6	2673.4	2698.0	2702.9	2705.4
12.5°	2533.3	2604.6	2641.4	2646.3	2656.2	2653.7	2651.3	2661.1	2685.7	2690.6	2690.6
15°	2493.9	2577.4	2611.9	2616.9	2634.0	2629.1	2629.1	2639.0	2666.0	2673.4	2671.0
17.5°	2439.7	2543.0	2582.4	2589.7	2602.1	2599.6	2602.1	2611.9	2636.6	2641.4	2643.9
20°	2378.3	2496.3	2543.0	2550.4	2562.7	2562.7	2562.7	2575.0	2599.6	2609.4	2609.4
22.5°	2294.7	2447.1	2496.3	2501.3	2516.0	2516.0	2521.0	2538.1	2560.3	2562.7	2562.7
25°	2196.2	2393.0	2434.8	2449.6	2464.4	2471.7	2479.1	2489.0	2496.3	2493.9	2496.3
27.5°	2092.9	2324.1	2378.3	2388.1	2407.8	2415.1	2425.0	2427.4	2430.0	2437.3	2432.4
30°	1977.3	2228.2	2309.4	23							

TEST NUMBER: P935389

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	321.0	359.2	397.4	406.9	634.0	936.8	1088.2	1322.8	1792.0	2143.8	2166.9
115°	369.4	404.6	439.7	448.6	639.8	894.8	1022.3	1248.3	1700.3	2039.3	2071.3
117.5°	417.2	449.1	481.1	489.1	651.7	868.5	976.9	1180.9	1588.8	1894.7	1930.2
120°	445.0	475.1	505.1	512.7	661.4	859.7	958.8	1145.2	1517.8	1797.4	1831.9
122.5°	472.2	502.5	532.9	540.5	675.3	855.0	945.0	1112.8	1448.4	1700.0	1734.1
125°	513.9	541.6	569.3	576.2	694.1	851.3	929.9	1072.4	1357.5	1571.3	1602.7
127.5°	547.8	575.7	603.7	610.7	712.8	849.0	917.2	1039.5	1284.3	1467.9	1494.4
130°	565.9	596.0	626.1	633.6	726.6	850.4	912.3	1021.2	1239.2	1402.6	1427.0
132.5°	584.6	614.7	644.8	652.3	737.6	851.3	908.0	1005.6	1200.7	1347.0	1368.9
135°	612.4	639.8	667.3	674.1	749.7	850.4	900.8	982.5	1145.8	1268.4	1287.3
137.5°	640.8	667.9	695.2	701.9	767.8	855.7	899.6	968.7	1106.8	1210.4	1225.8
140°	664.4	689.4	714.4	720.6	778.9	856.5	895.4	955.0	1074.3	1163.8	1178.2
142.5°	682.6	705.7	728.8	734.6	788.2	859.6	895.4	947.8	1052.5	1131.1</	

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2666.0	2658.6	2666.0	2661.1	2663.6	2656.2	2634.0	2626.7	2634.0	2641.4	2641.4
5°	2698.0	2693.0	2698.0	2698.0	2695.6	2690.6	2666.0	2661.1	2666.0	2668.5	2663.6
7.5°	2707.9	2700.5	2707.9	2702.9	2702.9	2698.0	2673.4	2668.5	2671.0	2678.3	2671.0
10°	2707.9	2700.5	2707.9	2705.4	2702.9	2698.0	2673.4	2663.6	2663.6	2671.0	2663.6
12.5°	2695.6	2690.6	2695.6	2690.6	2690.6	2685.7	2661.1	2651.3	2653.7	2656.2	2646.3
15°	2675.9	2668.5	2675.9	2671.0	2673.4	2666.0	2639.0	2629.1	2629.1	2634.0	2616.9
17.5°	2646.3	2636.6	2646.3	2643.9	2641.4	2636.6	2611.9	2602.1	2599.6	2602.1	2589.7
20°	2611.9	2604.6	2611.9	2609.4	2609.4	2599.6	2575.0	2562.7	2562.7	2562.7	2550.4
22.5°	2557.8	2550.4	2557.8	2562.7	2562.7	2560.3	2538.1	2521.0	2516.0	2516.0	2501.3
25°	2496.3	2489.0	2496.3	2496.3	2493.9	2496.3	2489.0	2479.1	2471.7	2464.4	2449.6
27.5°	2437.3	2432.4	2437.3	2432.4	2437.3	2430.0	2427.4	2425.0	2415.1	2407.8	2388.1
30°	2378.3	2373.4	2378.3	237							

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2259.3	2351.8	2259.3	2166.9	2143.8	1792.0	1322.8	1088.2	936.8	634.0	406.9
115°	2199.4	2327.6	2199.4	2071.3	2039.3	1700.3	1248.3	1022.3	894.8	639.8	448.6
117.5°	2072.4	2214.6	2072.4	1930.2	1894.7	1588.8	1180.9	976.9	868.5	651.7	489.1
120°	1970.1	2108.2	1970.1	1831.9	1797.4	1517.8	1145.2	958.8	859.7	661.4	512.7
122.5°	1870.4	2006.6	1870.4	1734.1	1700.0	1448.4	1112.8	945.0	855.0	675.3	540.5
125°	1728.1	1853.6	1728.1	1602.7	1571.3	1357.5	1072.4	929.9	851.3	694.1	576.2
127.5°	1600.3	1706.1	1600.3	1494.4	1467.9	1284.3	1039.5	917.2	849.0	712.8	610.7
130°	1524.9	1622.7	1524.9	1427.0	1402.6	1239.2	1021.2	912.3	850.4	726.6	633.6
132.5°	1456.5	1544.1	1456.5	1368.9	1347.0	1200.7	1005.6	908.0	851.3	737.6	652.3
135°	1362.8	1438.3	1362.8	1287.3	1268.4	1145.8	982.5	900.8	850.4	749.7	674.1
137.5°	1287.6	1349.4	1287.6	1225.8	1210.4	1106.8	968.7	899.6	855.7	767.8	701.9
140°	1236.1	1293.8	1236.1	1178.2	1163.8	1074.3	955.0	895.4	856.5	778.9	720.6
142.5°	1193.3	1243.0	1193.3	1143.5	1131.1	1052.5	947.8	895.4	859		

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CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-W2A-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2636.6	2621.7	2621.7	2597.2	2587.3	2580.0	2567.7	2530.7	2521.0	2511.1	2525.8
5°	2658.6	2631.6	2611.9	2567.7	2530.7	2516.0	2469.3	2380.7	2321.7	2277.4	2252.8
7.5°	2663.6	2629.1	2592.3	2523.4	2434.8	2395.5	2252.8	2090.5	2046.2	2006.9	1982.3
10°	2658.6	2619.3	2567.7	2464.4	2255.3	2186.5	2043.8	1938.0	1911.0	1903.6	1911.0
12.5°	2641.4	2604.6	2533.3	2361.1	2068.4	2021.6	1938.0	1876.6	1871.6	1883.9	1950.3
15°	2611.9	2577.4	2493.9	2223.4	1965.1	1930.6	1871.6	1849.5	1876.6	1962.6	2161.8
17.5°	2582.4	2543.0	2439.7	2088.1	1886.4	1861.8	1820.0	1864.3	2016.8	2132.3	2198.8
20°	2543.0	2496.3	2378.3	1989.6	1829.9	1807.7	1788.0	1987.2	2102.8	2144.6	2181.5
22.5°	2496.3	2447.1	2294.7	1920.8	1770.8	1753.6	1765.9	2056.1	2102.8	2132.3	2164.3
25°	2434.8	2393.0	2196.2	1866.7	1724.0	1704.4	1751.1	2048.8	2075.8	2083.2	2147.1
27.5°	2378.3	2324.1	2092.9	1817.6	1667.5	1660.1	1763.4	2016.8	2036.5	2043.8	2112.6
30°	2309.4	2228.2	1977.3	176							

TEST NUMBER: P935389

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-W2A-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	397.4	359.2	321.0	359.2	397.4	406.9	634.0	936.8	1088.2	1322.8	1792.0
115°	439.7	404.6	369.4	404.6	439.7	448.6	639.8	894.8	1022.3	1248.3	1700.3
117.5°	481.1	449.1	417.2	449.1	481.1	489.1	651.7	868.5	976.9	1180.9	1588.8
120°	505.1	475.1	445.0	475.1	505.1	512.7	661.4	859.7	958.8	1145.2	1517.8
122.5°	532.9	502.5	472.2	502.5	532.9	540.5	675.3	855.0	945.0	1112.8	1448.4
125°	569.3	541.6	513.9	541.6	569.3	576.2	694.1	851.3	929.9	1072.4	1357.5
127.5°	603.7	575.7	547.8	575.7	603.7	610.7	712.8	849.0	917.2	1039.5	1284.3
130°	626.1	596.0	565.9	596.0	626.1	633.6	726.6	850.4	912.3	1021.2	1239.2
132.5°	644.8	614.7	584.6	614.7	644.8	652.3	737.6	851.3	908.0	1005.6	1200.7
135°	667.3	639.8	612.4	639.8	667.3	674.1	749.7	850.4	900.8	982.5	1145.8
137.5°	695.2	667.9	640.8	667.9	695.2	701.9	767.8	855.7	899.6	968.7	1106.8
140°	714.4	689.4	664.4	689.4	714.4	720.6	778.9	856.5	895.4	955.0	1074.3
142.5°	728.8	705.7	682.6	705.7	728.8	734.6	788.2	859.6	895.4	947.8	1052.5
145°	7										

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CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-W2A-W-6-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2508.6	2501.3	2511.1	2484.0	2511.1	2501.3	2508.6	2525.8	2511.1	2521.0	2530.7
5°	2201.2	2188.9	2149.5	2117.6	2149.5	2188.9	2201.2	2252.8	2277.4	2321.7	2380.7
7.5°	1967.6	1957.7	1947.9	1928.2	1947.9	1957.7	1967.6	1982.3	2006.9	2046.2	2090.5
10°	1915.9	1918.3	1933.2	1930.6	1933.2	1918.3	1915.9	1911.0	1903.6	1911.0	1938.0
12.5°	2048.8	2070.8	2152.1	2147.1	2152.1	2070.8	2048.8	1950.3	1883.9	1871.6	1876.6
15°	2201.2	2208.5	2225.8	2228.2	2225.8	2208.5	2201.2	2161.8	1962.6	1876.6	1849.5
17.5°	2215.9	2218.4	2230.7	2230.7	2230.7	2218.4	2215.9	2198.8	2132.3	2016.8	1864.3
20°	2203.7	2208.5	2233.2	2238.1	2233.2	2208.5	2203.7	2181.5	2144.6	2102.8	1987.2
22.5°	2198.8	2208.5	2228.2	2225.8	2228.2	2208.5	2198.8	2164.3	2132.3	2102.8	2056.1
25°	2174.1	2174.1	2176.6	2179.1	2176.6	2174.1	2174.1	2147.1	2083.2	2075.8	2048.8
27.5°	2122.5	2127.4	2142.2	2139.7	2142.2	2127.4	2122.5	2112.6	2043.8	2036.5	2016.8
30°	2075.8	2070.8	2058.5	2048.8							

TEST NUMBER: P935389

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-W2A-W-6-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2143.8	2166.9	2259.3	2351.8	2259.3	2166.9	2143.8	1792.0	1322.8	1088.2	936.8
115°	2039.3	2071.3	2199.4	2327.6	2199.4	2071.3	2039.3	1700.3	1248.3	1022.3	894.8
117.5°	1894.7	1930.2	2072.4	2214.6	2072.4	1930.2	1894.7	1588.8	1180.9	976.9	868.5
120°	1797.4	1831.9	1970.1	2108.2	1970.1	1831.9	1797.4	1517.8	1145.2	958.8	859.7
122.5°	1700.0	1734.1	1870.4	2006.6	1870.4	1734.1	1700.0	1448.4	1112.8	945.0	855.0
125°	1571.3	1602.7	1728.1	1853.6	1728.1	1602.7	1571.3	1357.5	1072.4	929.9	851.3
127.5°	1467.9	1494.4	1600.3	1706.1	1600.3	1494.4	1467.9	1284.3	1039.5	917.2	849.0
130°	1402.6	1427.0	1524.9	1622.7	1524.9	1427.0	1402.6	1239.2	1021.2	912.3	850.4
132.5°	1347.0	1368.9	1456.5	1544.1	1456.5	1368.9	1347.0	1200.7	1005.6	908.0	851.3
135°	1268.4	1287.3	1362.8	1438.3	1362.8	1287.3	1268.4	1145.8	982.5	900.8	850.4
137.5°	1210.4	1225.8	1287.6	1349.4	1287.6	1225.8	1210.4	1106.8	968.7	899.6	855.7
140°	1163.8	1178.2	1236.1	1293.8	1236.1	1178.2	1163.8	1074.3	955.0	895.4	856.5
142.5°	1131.1	1143.5	1193.3	1243.0	1193.3						

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2567.7	2580.0	2587.3	2597.2	2621.7
5°	2469.3	2516.0	2530.7	2567.7	2611.9
7.5°	2252.8	2395.5	2434.8	2523.4	2592.3
10°	2043.8	2186.5	2255.3	2464.4	2567.7
12.5°	1938.0	2021.6	2068.4	2361.1	2533.3
15°	1871.6	1930.6	1965.1	2223.4	2493.9
17.5°	1820.0	1861.8	1886.4	2088.1	2439.7
20°	1788.0	1807.7	1829.9	1989.6	2378.3
22.5°	1765.9	1753.6	1770.8	1920.8	2294.7
25°	1751.1	1704.4	1724.0	1866.7	2196.2
27.5°	1763.4	1660.1	1667.5	1817.6	2092.9
30°	1765.9	1606.0	1608.4	1765.9	1977.3
32.5°	1748.7	1549.4	1552.0	1702.0	1847.0
35°	1706.9	1483.1	1480.5	1628.1	1670.0
37.5°	1650.3	1411.7	1411.7	1547.0	1475.7
40°	1581.4	1340.4	1347.8	1441.2	1303.5
42.5°	1497.8	1264.2	1273.9	1301.1	1175.6
45°	1406.8	1190.3	1197.8	1099.3	1077.2
47.5°	1305.9	1114.2	1116.6	912.4	1045.3
50°	1185.5	1035.4	1025.6	782.1	1042.8
52.5°	1079.7	949.3	919.9	708.3	946.9
55°	976.4	858.3	794.4	651.7	878.0
57.5°	885.4	740.3	678.8	585.4	863.3
60°	801.8	624.7	578.0	514.1	

TEST NUMBER: P935389

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-W2A-W-6-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	634.0	406.9	397.4	359.2	321.0
115°	639.8	448.6	439.7	404.6	369.4
117.5°	651.7	489.1	481.1	449.1	417.2
120°	661.4	512.7	505.1	475.1	445.0
122.5°	675.3	540.5	532.9	502.5	472.2
125°	694.1	576.2	569.3	541.6	513.9
127.5°	712.8	610.7	603.7	575.7	547.8
130°	726.6	633.6	626.1	596.0	565.9
132.5°	737.6	652.3	644.8	614.7	584.6
135°	749.7	674.1	667.3	639.8	612.4
137.5°	767.8	701.9	695.2	667.9	640.8
140°	778.9	720.6	714.4	689.4	664.4
142.5°	788.2	734.6	728.8	705.7	682.6
145°	800.3	755.7	750.7	730.5	710.4
147.5°	817.9	782.3	777.3	757.8	738.2
150°	827.2	796.2	791.8	774.0	756.3
152.5°	833.3	805.3	801.9	788.6	775.1
155°	846.6	825.2	822.7	812.8	802.9
157.5°	859.9	845.2	842.7	833.1	823.5
160°	866.0	854.3	852.4	844.9	837.3
162.5°	872.4	864.0	862.5	856.9	851.3
165°	881.7	877.8	876.6	871.4	866.4
167.5°	888.9	885.7	885.1	882.7	880.2
170°	895.0	894.8	894.2	891.8	889.3
172.5°	895.4	895.4	895.3	894.7	894.2
175°	898.9	900.8	900.8	900.8	900.8
177.5°	899.4	900.8	900.8	900.8	900.8
180°					

TEST NUMBER: P935389

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-W2A-W-6-3500K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.78	15.67	15.70	16.62	17.84	17.60	18.50	18.53	19.44	20.66
	3H	15.26	16.06	16.20	17.01	18.26	18.95	19.75	19.89	20.70	21.95
	4H	15.45	16.21	16.40	17.17	18.42	19.39	20.15	20.35	21.11	22.36
	6H	15.57	16.27	16.54	17.23	18.50	19.68	20.38	20.64	21.34	22.61
	8H	15.57	16.24	16.54	17.22	18.48	19.75	20.42	20.72	21.40	22.66
	12H	15.55	16.18	16.52	17.15	18.44	19.79	20.43	20.77	21.40	22.69
4H	2H	15.81	16.57	16.77	17.53	18.78	18.02	18.78	18.97	19.73	20.98
	3H	16.84	17.48	17.81	18.46	19.73	19.52	20.16	20.49	21.14	22.41
	4H	17.12	17.70	18.10	18.68	19.97	20.05	20.63	21.03	21.61	22.90
	6H	17.25	17.75	18.24	18.75	20.04	20.42	20.92	21.41	21.92	23.21
	8H	17.26	17.72	18.25							