

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: P1428102

Luminaire Tested: SQ2W-PP3-K-100U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428102
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-100U-125D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

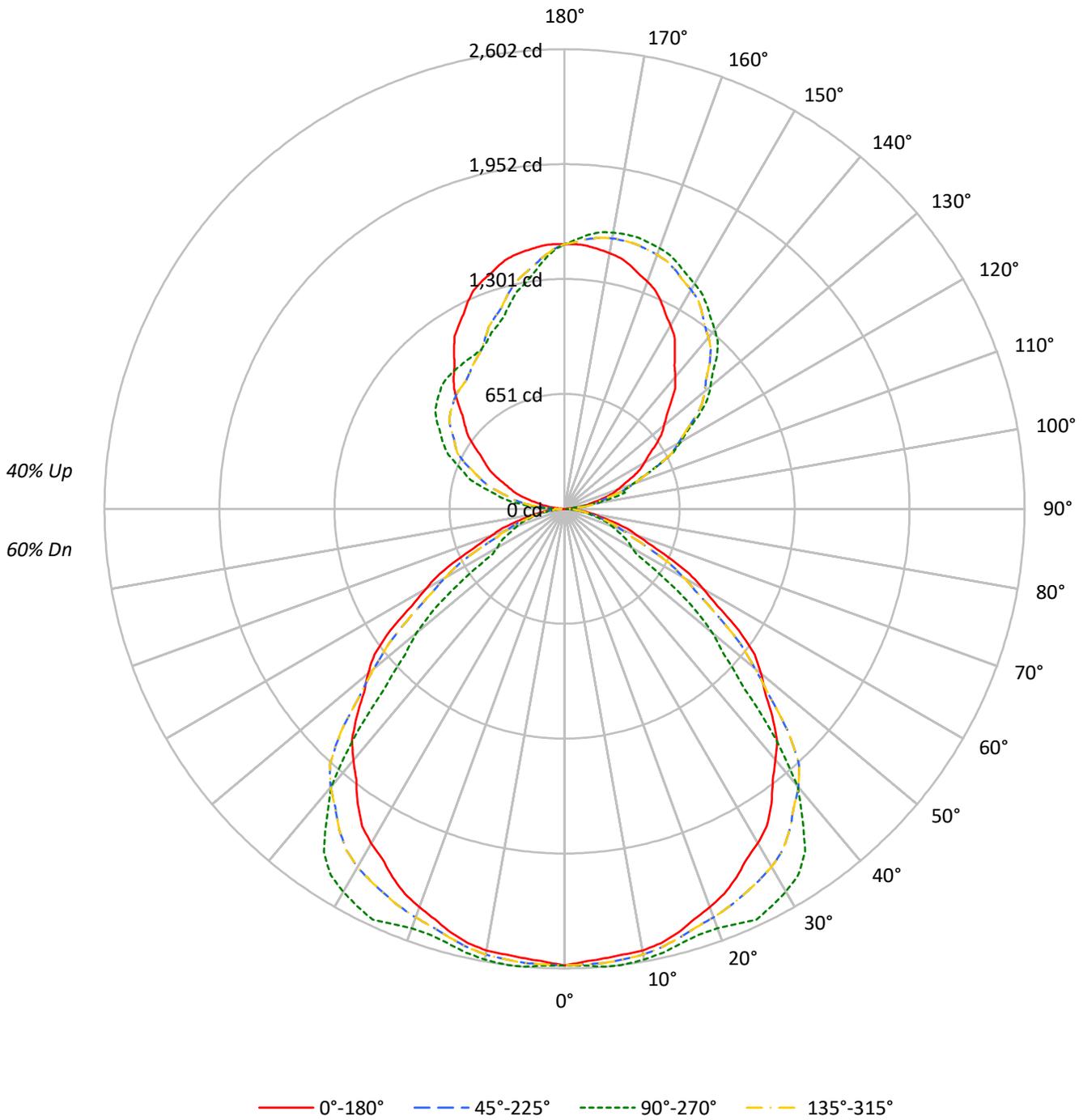
Lumens per Lamp: N/A
Luminaire Lumens: 10893.0 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.3
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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	60
1	101	97	93	89	94	90	87	84	79	77	74	68	67	65	59	57	56	52
2	92	85	79	74	86	80	75	70	70	66	63	61	58	55	52	50	48	44
3	84	75	68	62	79	71	64	59	62	57	53	54	50	47	47	44	42	38
4	77	67	59	53	72	63	56	51	55	50	46	49	44	41	42	39	36	33
5	71	60	52	46	66	56	49	44	50	44	40	44	39	36	38	35	32	29
6	66	54	46	40	61	51	44	38	45	39	35	40	35	32	35	31	28	26
7	61	49	41	35	57	46	39	34	41	35	31	36	32	28	32	28	25	23
8	57	44	37	31	53	42	35	30	37	32	28	33	28	25	29	25	23	20
9	53	41	33	28	49	38	32	27	34	29	25	31	26	23	27	23	20	18
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	25	21	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	41743	41743	41743	41743
5°	41416	42168	41416	42168
10°	41626	42477	41626	42477
15°	41525	42577	41525	42577
20°	41229	43437	41229	43437
25°	40995	45718	40995	45718
30°	40762	46673	40762	46673
35°	40185	46758	40185	46758
40°	39112	43203	39112	43203
45°	37942	32887	37942	32887
50°	36451	27391	36451	27391
55°	33928	19696	33928	19696
60°	29211	14121	29211	14121
65°	24641	13887	24641	13887
70°	20516	13289	20516	13289
75°	17392	12445	17392	12445
80°	14737	11185	14737	11185
85°	11652	6076	11652	6076

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 41506 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.2	2.3
10°-20°	712.5	6.5
20°-30°	1116.2	10.2
30°-40°	1377.0	12.6
40°-50°	1296.3	11.9
50°-60°	917.9	8.4
60°-70°	523.0	4.8
70°-80°	258.9	2.4
80°-90°	69.5	0.6
90°-100°	119.3	1.1
100°-110°	347.8	3.2
110°-120°	567.6	5.2
120°-130°	720.2	6.6
130°-140°	770.6	7.1
140°-150°	719.6	6.6
150°-160°	592.1	5.4
160°-170°	397.1	3.6
170°-180°	141.0	1.3
0°-30°	2074.9	19.0
0°-40°	3451.9	31.7
0°-60°	5666.2	52.0
0°-90°	6517.6	59.8
90°-120°	1034.6	9.5
90°-150°	3245.1	29.8
90°-180°	4375.0	40.2
0°-180°	10893.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2585	2585	2585	2585	2585	
5°	2555	2602	2555	2602	2555	243
15°	2484	2547	2484	2547	2484	700
25°	2301	2566	2301	2566	2301	1060
35°	2039	2372	2039	2372	2039	1272
45°	1662	1440	1662	1440	1662	1279
55°	1205	700	1205	700	1205	1063
65°	645	364	645	364	645	648
75°	279	200	279	200	279	302
85°	63	33	63	33	63	74
90°	4	33	4	65	4	6
95°	47	35	47	204	47	57
105°	221	354	221	487	221	235
115°	424	587	424	724	424	418
125°	627	931	627	887	627	561
135°	852	1218	852	982	852	659
145°	1088	1405	1088	1004	1088	681
155°	1293	1526	1293	1041	1293	594
165°	1429	1591	1429	1199	1429	402
175°	1494	1558	1494	1406	1494	142
180°	1498	1498	1498	1498	1498	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2565.8	2582.3	2598.8	2594.9	2584.2	2579.9	2581.8	2583.7	2585.7	2587.6	2585.7
5°	2555.4	2576.0	2596.7	2593.6	2582.7	2578.5	2580.9	2584.8	2593.3	2601.8	2593.3
7.5°	2545.5	2566.7	2587.8	2585.1	2574.4	2571.1	2575.2	2581.0	2591.4	2601.8	2591.4
10°	2539.0	2557.2	2575.4	2572.7	2563.0	2561.2	2567.2	2573.9	2582.4	2590.9	2582.4
12.5°	2519.3	2536.6	2553.8	2551.6	2542.8	2542.4	2550.5	2558.4	2565.9	2573.4	2565.9
15°	2484.3	2500.1	2515.9	2516.2	2511.4	2514.4	2525.3	2535.0	2541.1	2547.2	2541.1
17.5°	2436.8	2456.0	2475.2	2479.6	2479.1	2486.6	2502.2	2515.4	2521.7	2528.1	2521.7
20°	2399.6	2422.7	2445.8	2453.4	2455.8	2466.7	2486.1	2503.8	2515.9	2528.1	2515.9
22.5°	2360.2	2387.2	2414.2	2424.2	2428.6	2445.3	2474.5	2501.6	2522.5	2543.4	2522.5
25°	2301.2	2327.9	2354.7	2374.1	2391.1	2420.9	2463.4	2503.2	2534.7	2566.3	2534.7
27.5°	2232.3	2258.8	2285.3	2318.7	2354.4	2396.2	2444.1	2486.2	2511.2	2536.3	2511.2
30°	2186.4	2211.9	2237.4	2275.7	2318.2	2364.4	2414.2	2457.3	2480.4	2503.5	2480.4
32.5°	2129.6	2156.1	2182.5	2223.2	2268.7	2318.2	2371.9	2417.5	2438.6	2459.7	2438.6
35°	2038.8	2064.3	2089.9	2137.2	2191.9	2247.2	2303.0	2348.0	2360.1	2372.3	2360.1
37.5°	1934.4	1963.3	1992.3	2045.4	2106.6	2152.9	2184.2	2207.9	2208.7	2209.4	2208.7
40°	1855.7	1893.4	1931.0	1984.2	2042.5	2074.7	2080.7	2081.4	2065.6	2049.8	2065.6
42.5°	1779.2	1827.5	1875.9	1918.6	1959.4	1967.8	1943.7	1908.1	1837.9	1767.7	1837.9
45°	1661.7	1718.8	1775.9	1802.0	1817.8	1764.3	1641.6	1537.5	1488.9	1440.3	1488.9
47.5°	1536.5	1592.9	1649.2	1642.0	1613.6	1532.7	1399.3	1290.9	1257.4	1223.9	1257.4
50°	1451.2	1504.7	1558.1	1519.6	1450.3	1359.2	1246.3	1153.6	1122.1	1090.5	1122.1
52.5°	1355.0	1402.7	1450.3	1392.0	1298.5	1202.5	1104.1	1018.3	970.2	922.1	970.2
55°	1205.3	1238.1	1270.9	1207.1	1111.1	1005.5	890.1	792.0	745.8	699.7	745.8
57.5°	1024.9	1048.0	1071.0	1020.9	946.3	841.2	705.7	591.1	539.3	487.6	539.3
60°	904.6	922.9	941.1	895.5	828.7	728.5	594.9	488.3	462.8	437.3	462.8
62.5°	795.3	811.6	827.9	780.4	711.6	622.1	511.8	426.8	417.8	408.9	417.8
65°	645.0	660.8	676.6	626.8	555.1	485.3	417.2	365.9	364.7	363.5	364.7
67.5°	513.3	530.5	547.8	500.9	432.6	381.0	346.0	319.4	317.9	316.5	317.9
70°	434.6	452.8	471.0	427.3	362.9	321.0	301.5	286.4	283.9	281.5	283.9
72.5°	369.0	386.2	403.5	365.3	308.7	274.1	261.5	251.6	250.2	248.7	250.2
75°	278.8	292.1	305.5	277.9	236.6	212.9	206.8	201.9	200.7	199.5	200.7
77.5°	202.2	210.7	219.2	201.2	174.2	159.1	156.0	153.3	152.1	150.9	152.1
80°	158.5	162.2	165.8	153.0	134.8	125.1	123.9	122.7	121.5	120.3	121.5
82.5°	119.2	117.9	116.7	109.3	99.8	94.5	93.3	91.8	89.6	87.5	89.6
85°	62.9	60.4	58.0	55.6	53.1	49.5	44.6	40.1	36.4	32.8	36.4
87.5°	20.6	21.8	23.3	20.9	16.9	14.3	13.3	12.9	13.2	13.2	13.2
90°	4.5	10.6	18.2	24.2	28.8	30.3	30.3	31.8	33.3	33.3	33.3
92.5°	16.7	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.4	39.4	39.4
95°	46.9	51.5	77.2	75.7	51.5	40.9	34.8	34.8	34.8	34.8	34.8
97.5°	89.6	96.3	100.5	134.7	142.3	137.4	112.0	94.1	84.2	79.6	84.2
100°	127.1	130.2	139.3	140.8	178.6	214.9	196.8	174.1	166.5	162.0	166.5
102.5°	164.7	166.5	180.4	186.8	195.6	216.1	279.1	272.2	267.0	266.1	267.0
105°	221.0	222.5	248.2	260.3	266.4	266.4	264.9	295.2	343.6	354.2	343.6
107.5°	281.2	288.2	318.5	350.9	357.8	359.6	351.8	347.2	345.4	346.6	345.4
110°	322.4	333.0	369.3	410.2	420.8	423.8	420.8	416.3	413.2	413.2	413.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.4	377.8	419.0	465.9	483.8	492.8	486.2	482.9	479.8	482.2	479.8
115°	423.8	446.5	501.0	549.5	585.8	590.3	588.8	588.8	587.3	587.3	587.3
117.5°	480.7	517.1	578.2	634.5	676.6	688.7	694.8	692.9	691.1	694.2	691.1
120°	520.7	563.1	632.7	696.3	737.1	755.3	761.4	758.3	761.4	758.3	761.4
122.5°	563.1	615.1	683.6	749.6	797.7	818.3	825.5	826.2	826.8	824.9	826.8
125°	626.7	690.2	770.4	838.6	888.5	912.7	918.8	920.3	923.3	930.9	923.3
127.5°	690.8	762.9	851.0	916.7	967.8	997.2	1006.6	1009.9	1016.3	1019.6	1016.3
130°	735.6	817.4	906.7	968.7	1018.7	1050.5	1067.1	1071.7	1079.2	1077.7	1079.2
132.5°	782.9	868.2	958.7	1023.2	1069.5	1103.8	1118.0	1131.0	1133.7	1135.8	1133.7
135°	852.2	944.5	1035.3	1098.9	1142.8	1176.1	1194.3	1206.4	1213.9	1218.5	1213.9
137.5°	925.1	1022.6	1109.8	1166.4	1210.6	1239.4	1260.0	1272.7	1280.5	1284.2	1280.5
140°	974.8	1068.6	1153.4	1212.4	1251.8	1280.5	1298.7	1313.8	1322.9	1322.9	1322.9
142.5°	1022.0	1114.7	1197.0	1256.0	1290.5	1316.9	1336.3	1347.8	1358.0	1358.0	1358.0
145°	1088.3	1180.6	1256.3	1315.4	1344.1	1368.3	1389.5	1398.6	1404.7	1404.7	1404.7
147.5°	1157.6	1239.4	1308.4	1365.0	1389.2	1417.7	1434.3	1441.6	1449.2	1445.8	1449.2
150°	1198.8	1274.5	1341.1	1394.1	1418.3	1445.5	1462.2	1468.2	1475.8	1471.3	1475.8
152.5°	1238.8	1310.8	1371.4	1420.7	1441.3	1468.5	1487.6	1493.7	1498.8	1495.5	1498.8
155°	1292.7	1356.2	1412.2	1457.6	1475.8	1501.5	1519.7	1527.3	1533.3	1525.8	1533.3
157.5°	1340.8	1395.6	1444.3	1486.1	1505.5	1527.6	1544.5	1553.9	1560.0	1556.6	1560.0
160°	1369.9	1419.8	1463.7	1503.1	1521.2	1540.9	1559.1	1569.7	1575.7	1571.2	1575.7
162.5°	1394.1	1439.2	1480.7	1516.4	1532.1	1549.4	1571.2	1580.6	1586.6	1580.9	1586.6
165°	1428.9	1465.2	1501.5	1531.8	1545.4	1559.1	1581.8	1592.4	1596.9	1590.8	1596.9
167.5°	1455.2	1483.1	1512.4	1538.5	1548.5	1561.8	1584.5	1593.3	1599.0	1591.5	1599.0
170°	1469.8	1494.0	1519.7	1540.9	1548.5	1560.6	1583.3	1590.8	1595.4	1587.8	1595.4
172.5°	1481.9	1500.0	1520.9	1539.7	1543.6	1553.3	1574.8	1582.4	1585.7	1579.3	1585.7
175°	1494.0	1504.6	1519.7	1531.8	1530.3	1536.4	1554.5	1560.6	1566.6	1557.5	1566.6
177.5°	1499.7	1504.6	1509.4	1516.7	1511.8	1511.8	1525.2	1528.8	1530.0	1525.2	1530.0
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2583.7	2581.8	2579.9	2584.2	2594.9	2598.8	2582.3	2565.8	2582.3	2598.8	2594.9
5°	2584.8	2580.9	2578.5	2582.7	2593.6	2596.7	2576.0	2555.4	2576.0	2596.7	2593.6
7.5°	2581.0	2575.2	2571.1	2574.4	2585.1	2587.8	2566.7	2545.5	2566.7	2587.8	2585.1
10°	2573.9	2567.2	2561.2	2563.0	2572.7	2575.4	2557.2	2539.0	2557.2	2575.4	2572.7
12.5°	2558.4	2550.5	2542.4	2542.8	2551.6	2553.8	2536.6	2519.3	2536.6	2553.8	2551.6
15°	2535.0	2525.3	2514.4	2511.4	2516.2	2515.9	2500.1	2484.3	2500.1	2515.9	2516.2
17.5°	2515.4	2502.2	2486.6	2479.1	2479.6	2475.2	2456.0	2436.8	2456.0	2475.2	2479.6
20°	2503.8	2486.1	2466.7	2455.8	2453.4	2445.8	2422.7	2399.6	2422.7	2445.8	2453.4
22.5°	2501.6	2474.5	2445.3	2428.6	2424.2	2414.2	2387.2	2360.2	2387.2	2414.2	2424.2
25°	2503.2	2463.4	2420.9	2391.1	2374.1	2354.7	2327.9	2301.2	2327.9	2354.7	2374.1
27.5°	2486.2	2444.1	2396.2	2354.4	2318.7	2285.3	2258.8	2232.3	2258.8	2285.3	2318.7
30°	2457.3	2414.2	2364.4	2318.2	2275.7	2237.4	2211.9	2186.4	2211.9	2237.4	2275.7
32.5°	2417.5	2371.9	2318.2	2268.7	2223.2	2182.5	2156.1	2129.6	2156.1	2182.5	2223.2
35°	2348.0	2303.0	2247.2	2191.9	2137.2	2089.9	2064.3	2038.8	2064.3	2089.9	2137.2
37.5°	2207.9	2184.2	2152.9	2106.6	2045.4	1992.3	1963.3	1934.4	1963.3	1992.3	2045.4
40°	2081.4	2080.7	2074.7	2042.5	1984.2	1931.0	1893.4	1855.7	1893.4	1931.0	1984.2
42.5°	1908.1	1943.7	1967.8	1959.4	1918.6	1875.9	1827.5	1779.2	1827.5	1875.9	1918.6
45°	1537.5	1641.6	1764.3	1817.8	1802.0	1775.9	1718.8	1661.7	1718.8	1775.9	1802.0
47.5°	1290.9	1399.3	1532.7	1613.6	1642.0	1649.2	1592.9	1536.5	1592.9	1649.2	1642.0
50°	1153.6	1246.3	1359.2	1450.3	1519.6	1558.1	1504.7	1451.2	1504.7	1558.1	1519.6
52.5°	1018.3	1104.1	1202.5	1298.5	1392.0	1450.3	1402.7	1355.0	1402.7	1450.3	1392.0
55°	792.0	890.1	1005.5	1111.1	1207.1	1270.9	1238.1	1205.3	1238.1	1270.9	1207.1
57.5°	591.1	705.7	841.2	946.3	1020.9	1071.0	1048.0	1024.9	1048.0	1071.0	1020.9
60°	488.3	594.9	728.5	828.7	895.5	941.1	922.9	904.6	922.9	941.1	895.5
62.5°	426.8	511.8	622.1	711.6	780.4	827.9	811.6	795.3	811.6	827.9	780.4
65°	365.9	417.2	485.3	555.1	626.8	676.6	660.8	645.0	660.8	676.6	626.8
67.5°	319.4	346.0	381.0	432.6	500.9	547.8	530.5	513.3	530.5	547.8	500.9
70°	286.4	301.5	321.0	362.9	427.3	471.0	452.8	434.6	452.8	471.0	427.3
72.5°	251.6	261.5	274.1	308.7	365.3	403.5	386.2	369.0	386.2	403.5	365.3
75°	201.9	206.8	212.9	236.6	277.9	305.5	292.1	278.8	292.1	305.5	277.9
77.5°	153.3	156.0	159.1	174.2	201.2	219.2	210.7	202.2	210.7	219.2	201.2
80°	122.7	123.9	125.1	134.8	153.0	165.8	162.2	158.5	162.2	165.8	153.0
82.5°	91.8	93.3	94.5	99.8	109.3	116.7	117.9	119.2	117.9	116.7	109.3
85°	40.1	44.6	49.5	53.1	55.6	58.0	60.4	62.9	60.4	58.0	55.6
87.5°	12.9	13.3	14.3	16.9	20.9	23.3	21.8	20.6	21.8	23.0	21.5
90°	31.8	30.3	30.3	28.8	24.2	18.2	10.6	4.5	10.6	16.7	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.7	28.8	40.9	58.7
95°	34.8	34.8	40.9	51.5	75.7	77.2	51.5	46.9	66.6	93.8	118.1
97.5°	94.1	112.0	137.4	142.3	134.7	100.5	96.3	89.6	122.0	148.9	188.0
100°	174.1	196.8	214.9	178.6	140.8	139.3	130.2	127.1	162.0	187.7	225.5
102.5°	272.2	279.1	216.1	195.6	186.8	180.4	166.5	164.7	199.5	234.9	266.7
105°	295.2	264.9	266.4	266.4	260.3	248.2	222.5	221.0	260.3	301.2	340.6
107.5°	347.2	351.8	359.6	357.8	350.9	318.5	288.2	281.2	316.7	365.7	409.0
110°	416.3	420.8	423.8	420.8	410.2	369.3	333.0	322.4	354.2	405.7	452.6



TEST NUMBER: P1428102

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.9	486.2	492.8	483.8	465.9	419.0	377.8	362.4	394.2	446.8	495.0
115°	588.8	588.8	590.3	585.8	549.5	501.0	446.5	423.8	451.1	499.5	552.5
117.5°	692.9	694.8	688.7	676.6	634.5	578.2	517.1	480.7	502.2	553.4	607.9
120°	758.3	761.4	755.3	737.1	696.3	632.7	563.1	520.7	537.3	587.3	641.8
122.5°	826.2	825.5	818.3	797.7	749.6	683.6	615.1	563.1	570.0	616.4	669.6
125°	920.3	918.8	912.7	888.5	838.6	770.4	690.2	626.7	617.6	656.9	711.4
127.5°	1009.9	1006.6	997.2	967.8	916.7	851.0	762.9	690.8	670.5	695.4	745.3
130°	1071.7	1067.1	1050.5	1018.7	968.7	906.7	817.4	735.6	706.9	722.0	765.9
132.5°	1131.0	1118.0	1103.8	1069.5	1023.2	958.7	868.2	782.9	743.2	749.9	784.1
135°	1206.4	1194.3	1176.1	1142.8	1098.9	1035.3	944.5	852.2	797.7	791.6	811.3
137.5°	1272.7	1260.0	1239.4	1210.6	1166.4	1109.8	1022.6	925.1	856.4	836.1	843.7
140°	1313.8	1298.7	1280.5	1251.8	1212.4	1153.4	1068.6	974.8	897.6	868.8	864.3
142.5°	1347.8	1336.3	1316.9	1290.5	1256.0	1197.0	1114.7	1022.0	940.0	902.7	892.1
145°	1398.6	1389.5	1368.3	1344.1	1315.4	1256.3	1180.6	1088.3	1006.6	958.1	935.4
147.5°	1441.6	1434.3	1417.7	1389.2	1365.0	1308.4	1239.4	1157.6	1073.8	1013.8	984.5
150°	1468.2	1462.2	1445.5	1418.3	1394.1	1341.1	1274.5	1198.8	1118.6	1055.0	1017.2
152.5°	1493.7	1487.6	1468.5	1441.3	1420.7	1371.4	1310.8	1238.8	1157.3	1093.8	1054.7
155°	1527.3	1519.7	1501.5	1475.8	1457.6	1412.2	1356.2	1292.7	1223.0	1156.4	1112.5
157.5°	1553.9	1544.5	1527.6	1505.5	1486.1	1444.3	1395.6	1340.8	1279.9	1216.4	1171.6
160°	1569.7	1559.1	1540.9	1521.2	1503.1	1463.7	1419.8	1369.9	1313.8	1256.3	1207.9
162.5°	1580.6	1571.2	1549.4	1532.1	1516.4	1480.7	1439.2	1394.1	1344.1	1293.9	1249.1
165°	1592.4	1581.8	1559.1	1545.4	1531.8	1501.5	1465.2	1428.9	1386.5	1345.6	1309.3
167.5°	1593.3	1584.5	1561.8	1548.5	1538.5	1512.4	1483.1	1455.2	1422.2	1390.1	1359.9
170°	1590.8	1583.3	1560.6	1548.5	1540.9	1519.7	1494.0	1469.8	1444.0	1416.8	1392.6
172.5°	1582.4	1574.8	1553.3	1543.6	1539.7	1520.9	1500.0	1481.9	1459.8	1439.8	1420.4
175°	1560.6	1554.5	1536.4	1530.3	1531.8	1519.7	1504.6	1494.0	1480.4	1468.2	1457.6
177.5°	1528.8	1525.2	1511.8	1511.8	1516.7	1509.4	1504.6	1499.7	1493.7	1490.0	1486.4
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1428102

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2584.2	2579.9	2581.8	2583.7	2585.7	2587.6	2585.7	2583.7	2581.8	2579.9	2584.2
5°	2582.7	2578.5	2580.9	2584.8	2593.3	2601.8	2593.3	2584.8	2580.9	2578.5	2582.7
7.5°	2574.4	2571.1	2575.2	2581.0	2591.4	2601.8	2591.4	2581.0	2575.2	2571.1	2574.4
10°	2563.0	2561.2	2567.2	2573.9	2582.4	2590.9	2582.4	2573.9	2567.2	2561.2	2563.0
12.5°	2542.8	2542.4	2550.5	2558.4	2565.9	2573.4	2565.9	2558.4	2550.5	2542.4	2542.8
15°	2511.4	2514.4	2525.3	2535.0	2541.1	2547.2	2541.1	2535.0	2525.3	2514.4	2511.4
17.5°	2479.1	2486.6	2502.2	2515.4	2521.7	2528.1	2521.7	2515.4	2502.2	2486.6	2479.1
20°	2455.8	2466.7	2486.1	2503.8	2515.9	2528.1	2515.9	2503.8	2486.1	2466.7	2455.8
22.5°	2428.6	2445.3	2474.5	2501.6	2522.5	2543.4	2522.5	2501.6	2474.5	2445.3	2428.6
25°	2391.1	2420.9	2463.4	2503.2	2534.7	2566.3	2534.7	2503.2	2463.4	2420.9	2391.1
27.5°	2354.4	2396.2	2444.1	2486.2	2511.2	2536.3	2511.2	2486.2	2444.1	2396.2	2354.4
30°	2318.2	2364.4	2414.2	2457.3	2480.4	2503.5	2480.4	2457.3	2414.2	2364.4	2318.2
32.5°	2268.7	2318.2	2371.9	2417.5	2438.6	2459.7	2438.6	2417.5	2371.9	2318.2	2268.7
35°	2191.9	2247.2	2303.0	2348.0	2360.1	2372.3	2360.1	2348.0	2303.0	2247.2	2191.9
37.5°	2106.6	2152.9	2184.2	2207.9	2208.7	2209.4	2208.7	2207.9	2184.2	2152.9	2106.6
40°	2042.5	2074.7	2080.7	2081.4	2065.6	2049.8	2065.6	2081.4	2080.7	2074.7	2042.5
42.5°	1959.4	1967.8	1943.7	1908.1	1837.9	1767.7	1837.9	1908.1	1943.7	1967.8	1959.4
45°	1817.8	1764.3	1641.6	1537.5	1488.9	1440.3	1488.9	1537.5	1641.6	1764.3	1817.8
47.5°	1613.6	1532.7	1399.3	1290.9	1257.4	1223.9	1257.4	1290.9	1399.3	1532.7	1613.6
50°	1450.3	1359.2	1246.3	1153.6	1122.1	1090.5	1122.1	1153.6	1246.3	1359.2	1450.3
52.5°	1298.5	1202.5	1104.1	1018.3	970.2	922.1	970.2	1018.3	1104.1	1202.5	1298.5
55°	1111.1	1005.5	890.1	792.0	745.8	699.7	745.8	890.1	1005.5	1111.1	1111.1
57.5°	946.3	841.2	705.7	591.1	539.3	487.6	539.3	705.7	841.2	946.3	946.3
60°	828.7	728.5	594.9	488.3	462.8	437.3	462.8	594.9	728.5	828.7	828.7
62.5°	711.6	622.1	511.8	426.8	417.8	408.9	417.8	511.8	622.1	711.6	711.6
65°	555.1	485.3	417.2	365.9	364.7	363.5	364.7	417.2	485.3	555.1	555.1
67.5°	432.6	381.0	346.0	319.4	317.9	316.5	317.9	346.0	381.0	432.6	432.6
70°	362.9	321.0	301.5	286.4	283.9	281.5	283.9	301.5	321.0	362.9	362.9
72.5°	308.7	274.1	261.5	251.6	250.2	248.7	250.2	261.5	274.1	308.7	308.7
75°	236.6	212.9	206.8	201.9	200.7	199.5	200.7	206.8	212.9	236.6	236.6
77.5°	174.2	159.1	156.0	153.3	152.1	150.9	152.1	156.0	159.1	174.2	174.2
80°	134.8	125.1	123.9	122.7	121.5	120.3	121.5	123.9	125.1	134.8	134.8
82.5°	99.8	94.5	93.3	91.8	89.6	87.5	89.6	93.3	94.5	99.8	99.8
85°	53.1	49.5	44.6	40.1	36.4	32.8	36.4	44.6	49.5	53.1	53.1
87.5°	18.1	17.3	18.5	19.0	20.2	19.6	20.2	17.3	17.3	18.1	18.1
90°	34.8	45.4	56.0	62.1	68.1	65.1	68.1	45.4	45.4	34.8	34.8
92.5°	69.9	87.8	100.8	111.7	116.6	115.9	116.6	100.8	87.8	69.9	69.9
95°	140.8	162.0	183.2	198.3	207.4	204.3	207.4	162.0	162.0	140.8	140.8
97.5°	217.1	245.5	269.1	283.4	292.4	298.5	292.4	245.5	245.5	217.1	217.1
100°	267.9	295.2	322.4	339.1	354.2	360.2	354.2	295.2	295.2	267.9	267.9
102.5°	309.1	344.8	374.5	392.3	405.1	411.1	405.1	344.8	344.8	309.1	309.1
105°	376.9	414.7	446.5	469.2	482.9	487.4	482.9	414.7	414.7	376.9	376.9
107.5°	444.7	483.8	513.1	538.3	554.9	564.6	554.9	483.8	483.8	444.7	444.7
110°	498.0	529.8	561.6	584.3	600.9	607.0	600.9	529.8	529.8	498.0	498.0



TEST NUMBER: P1428102

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.8	578.2	610.0	632.7	651.8	660.3	651.8	632.7	610.0	578.2	542.8
115°	605.5	652.4	681.1	702.3	716.0	723.5	716.0	702.3	681.1	652.4	605.5
117.5°	657.5	706.6	738.1	754.4	760.8	766.2	760.8	754.4	738.1	706.6	657.5
120°	690.2	735.6	772.0	793.2	800.7	803.7	800.7	793.2	772.0	735.6	690.2
122.5°	720.5	763.5	798.6	824.6	837.0	840.1	837.0	824.6	798.6	763.5	720.5
125°	762.9	803.7	840.1	865.8	879.4	887.0	879.4	865.8	840.1	803.7	762.9
127.5°	799.8	844.0	877.3	900.6	913.9	920.0	913.9	900.6	877.3	844.0	799.8
130°	820.4	865.8	899.1	924.8	937.0	943.0	937.0	924.8	899.1	865.8	820.4
132.5°	836.1	884.0	918.5	941.8	955.1	961.2	955.1	941.8	918.5	884.0	836.1
135°	855.2	905.2	941.5	964.2	976.3	982.4	976.3	964.2	941.5	905.2	855.2
137.5°	871.9	917.3	955.1	979.0	989.9	993.9	989.9	979.0	955.1	917.3	871.9
140°	884.0	923.3	961.2	983.9	996.0	997.5	996.0	983.9	961.2	923.3	884.0
142.5°	899.7	930.6	963.6	986.3	998.4	1001.1	998.4	986.3	963.6	930.6	899.7
145°	927.9	946.0	968.7	989.9	1000.5	1003.6	1000.5	989.9	968.7	946.0	927.9
147.5°	963.3	969.0	980.8	994.8	1005.1	1007.2	1005.1	994.8	980.8	969.0	963.3
150°	989.9	988.4	993.0	1002.0	1011.1	1009.6	1011.1	1002.0	993.0	988.4	989.9
152.5°	1020.2	1011.4	1011.1	1015.4	1019.6	1019.3	1019.6	1015.4	1011.1	1011.4	1020.2
155°	1071.7	1055.0	1045.9	1042.9	1042.9	1041.4	1042.9	1042.9	1045.9	1055.0	1071.7
157.5°	1128.3	1105.0	1091.3	1084.1	1082.0	1078.6	1082.0	1084.1	1091.3	1105.0	1128.3
160°	1167.0	1141.3	1127.7	1115.6	1111.0	1106.5	1111.0	1115.6	1127.7	1141.3	1167.0
162.5°	1203.4	1178.8	1164.0	1153.1	1148.6	1141.6	1148.6	1153.1	1164.0	1178.8	1203.4
165°	1262.4	1236.7	1220.0	1210.9	1204.9	1198.8	1204.9	1210.9	1220.0	1236.7	1262.4
167.5°	1321.4	1293.3	1282.4	1272.1	1266.3	1255.4	1266.3	1272.1	1282.4	1293.3	1321.4
170°	1357.7	1332.0	1326.0	1316.9	1306.3	1294.2	1306.3	1316.9	1326.0	1332.0	1357.7
172.5°	1389.2	1372.0	1365.9	1356.8	1353.5	1343.8	1353.5	1356.8	1365.9	1372.0	1389.2
175°	1434.9	1421.3	1421.3	1419.8	1415.3	1406.2	1415.3	1419.8	1421.3	1421.3	1434.9
177.5°	1473.1	1465.8	1470.7	1470.7	1469.5	1461.0	1469.5	1470.7	1470.7	1465.8	1473.1
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1428102

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2585.4	2585.4	2585.4	2585.4
2.5°	2594.9	2598.8	2582.3	2565.8
5°	2593.6	2596.7	2576.0	2555.4
7.5°	2585.1	2587.8	2566.7	2545.5
10°	2572.7	2575.4	2557.2	2539.0
12.5°	2551.6	2553.8	2536.6	2519.3
15°	2516.2	2515.9	2500.1	2484.3
17.5°	2479.6	2475.2	2456.0	2436.8
20°	2453.4	2445.8	2422.7	2399.6
22.5°	2424.2	2414.2	2387.2	2360.2
25°	2374.1	2354.7	2327.9	2301.2
27.5°	2318.7	2285.3	2258.8	2232.3
30°	2275.7	2237.4	2211.9	2186.4
32.5°	2223.2	2182.5	2156.1	2129.6
35°	2137.2	2089.9	2064.3	2038.8
37.5°	2045.4	1992.3	1963.3	1934.4
40°	1984.2	1931.0	1893.4	1855.7
42.5°	1918.6	1875.9	1827.5	1779.2
45°	1802.0	1775.9	1718.8	1661.7
47.5°	1642.0	1649.2	1592.9	1536.5
50°	1519.6	1558.1	1504.7	1451.2
52.5°	1392.0	1450.3	1402.7	1355.0
55°	1207.1	1270.9	1238.1	1205.3
57.5°	1020.9	1071.0	1048.0	1024.9
60°	895.5	941.1	922.9	904.6
62.5°	780.4	827.9	811.6	795.3
65°	626.8	676.6	660.8	645.0
67.5°	500.9	547.8	530.5	513.3
70°	427.3	471.0	452.8	434.6
72.5°	365.3	403.5	386.2	369.0
75°	277.9	305.5	292.1	278.8
77.5°	201.2	219.2	210.7	202.2
80°	153.0	165.8	162.2	158.5
82.5°	109.3	116.7	117.9	119.2
85°	55.6	58.0	60.4	62.9
87.5°	21.5	23.0	21.8	20.6
90°	27.2	16.7	10.6	4.5
92.5°	58.7	40.9	28.8	16.7
95°	118.1	93.8	66.6	46.9
97.5°	188.0	148.9	122.0	89.6
100°	225.5	187.7	162.0	127.1
102.5°	266.7	234.9	199.5	164.7
105°	340.6	301.2	260.3	221.0
107.5°	409.0	365.7	316.7	281.2
110°	452.6	405.7	354.2	322.4



TEST NUMBER: P1428102

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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	495.0	446.8	394.2	362.4
115°	552.5	499.5	451.1	423.8
117.5°	607.9	553.4	502.2	480.7
120°	641.8	587.3	537.3	520.7
122.5°	669.6	616.4	570.0	563.1
125°	711.4	656.9	617.6	626.7
127.5°	745.3	695.4	670.5	690.8
130°	765.9	722.0	706.9	735.6
132.5°	784.1	749.9	743.2	782.9
135°	811.3	791.6	797.7	852.2
137.5°	843.7	836.1	856.4	925.1
140°	864.3	868.8	897.6	974.8
142.5°	892.1	902.7	940.0	1022.0
145°	935.4	958.1	1006.6	1088.3
147.5°	984.5	1013.8	1073.8	1157.6
150°	1017.2	1055.0	1118.6	1198.8
152.5°	1054.7	1093.8	1157.3	1238.8
155°	1112.5	1156.4	1223.0	1292.7
157.5°	1171.6	1216.4	1279.9	1340.8
160°	1207.9	1256.3	1313.8	1369.9
162.5°	1249.1	1293.9	1344.1	1394.1
165°	1309.3	1345.6	1386.5	1428.9
167.5°	1359.9	1390.1	1422.2	1455.2
170°	1392.6	1416.8	1444.0	1469.8
172.5°	1420.4	1439.8	1459.8	1481.9
175°	1457.6	1468.2	1480.4	1494.0
177.5°	1486.4	1490.0	1493.7	1499.7
180°	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1428102
 CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L835-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	21.29	22.21	22.16	23.10	24.22	17.06	17.98	17.94	18.87	20.00
	3H	22.35	23.17	23.24	24.07	25.23	18.38	19.19	19.26	20.10	21.25
	4H	22.73	23.50	23.63	24.41	25.57	18.93	19.71	19.84	20.61	21.78
	6H	22.92	23.63	23.84	24.55	25.72	19.30	20.01	20.22	20.93	22.10
	8H	22.99	23.66	23.91	24.59	25.77	19.43	20.11	20.36	21.04	22.21
	12H	23.01	23.65	23.94	24.58	25.78	19.47	20.11	20.40	21.04	22.24
4H	2H	21.42	22.19	22.33	23.10	24.26	17.98	18.75	18.89	19.66	20.82
	3H	22.72	23.36	23.64	24.29	25.47	19.41	20.05	20.33	20.98	22.16
	4H	23.23	23.81	24.16	24.74	25.94	20.03	20.61	20.96	21.54	22.75
	6H	23.54	24.05	24.49	25.00	26.21	20.48	20.98	21.42	21.94	23.14
	8H	23.65	24.12	24.60	25.07	26.29	20.65	21.12	21.60	22.07	23.28
	12H	23.70	24.12	24.67	25.09	26.31	20.70	21.12	21.67	22.09	23.31
8H	4H	23.25	23.72	24.20	24.67	25.88	20.34	20.81	21.29	21.76	22.98
	6H	23.66	24.05	24.64	25.04	26.26	20.90	21.29	21.88	22.28	23.50
	8H	23.84	24.19	24.82	25.17	26.40	21.15	21.49	22.13	22.48	23.71
	12H	23.94	24.25	24.93	25.22	26.50	21.25	21.56	22.24	22.53	23.81
12H	4H	23.21	23.63	24.18	24.60	25.82	20.36	20.78	21.32	21.75	22.97
	6H	23.66	24.00	24.64	24.98	26.21	20.97	21.31	21.95	22.29	23.53
	8H	23.85	24.16	24.84	25.13	26.41	21.25	21.55	22.23	22.52	23.81