

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: P1428024

Luminaire Tested: SQ2W-PP3-K-025U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428024  
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-025U-100D-L835-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

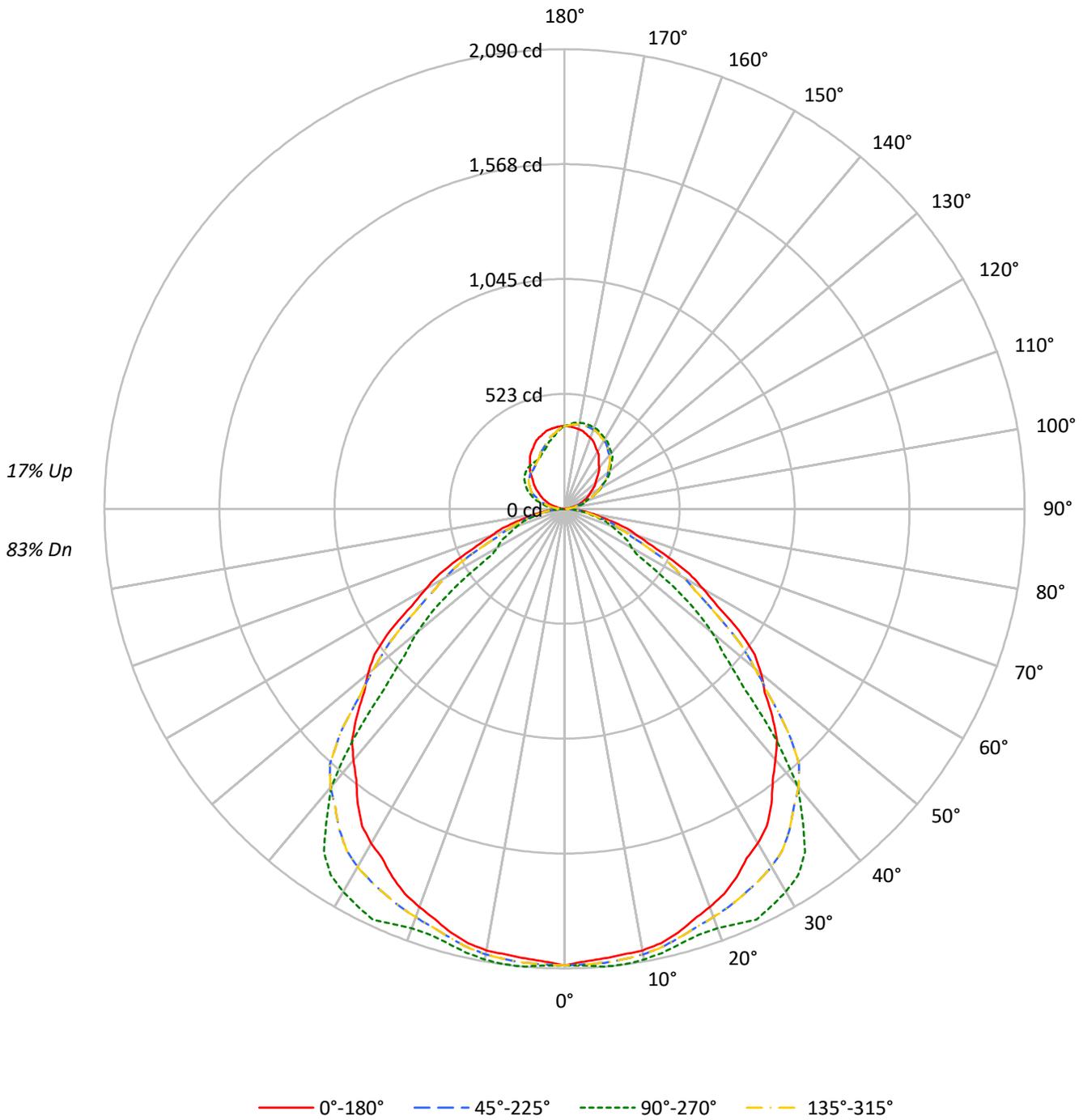
Lumens per Lamp: N/A  
Luminaire Lumens: 6326.4 lumens  
Efficiency: N/A  
Efficacy: 140.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 45.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P1428024

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L835-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot



TEST NUMBER: P1428024

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L835-UNV-STD-W-WM-4

**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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	83				
1	106	102	98	95	102	98	95	92	91	88	86	84	82	80	78	76	75	72				
2	97	90	84	79	93	87	81	77	80	76	72	75	71	68	69	67	64	61				
3	89	80	72	67	85	77	70	65	72	66	62	67	62	59	62	59	55	53				
4	82	71	63	57	79	69	61	56	64	58	53	60	55	51	56	52	48	46				
5	76	64	56	50	72	62	54	49	58	51	46	54	49	44	51	46	42	40				
6	70	58	49	44	67	56	48	43	52	46	41	49	44	39	46	41	38	35				
7	65	52	44	39	62	51	43	38	48	41	36	45	39	35	42	37	34	31				
8	60	48	40	34	58	46	39	34	44	37	33	41	36	31	39	34	30	28				
9	56	44	36	31	54	43	35	30	40	34	29	38	32	28	36	31	27	25				
10	53	40	33	28	51	39	32	28	37	31	27	35	30	26	33	28	25	23				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	33525	33525	33525	33525
5°	33262	33867	33262	33867
10°	33430	34114	33430	34114
15°	33350	34194	33350	34194
20°	33113	34884	33113	34884
25°	32923	36716	32923	36716
30°	32736	37484	32736	37484
35°	32273	37552	32273	37552
40°	31412	34696	31412	34696
45°	30471	26411	30471	26411
50°	29275	21998	29275	21998
55°	27248	15817	27248	15817
60°	23459	11341	23459	11341
65°	19789	11152	19789	11152
70°	16475	10673	16475	10673
75°	13967	9994	13967	9994
80°	11836	8982	11836	8982
85°	9355	4872	9355	4872

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 33334 cd/sqm



TEST NUMBER: P1428024

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L835-UNV-STD-W-WM-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.7	3.1
10°-20°	572.2	9.0
20°-30°	896.5	14.2
30°-40°	1105.9	17.5
40°-50°	1041.1	16.5
50°-60°	737.2	11.7
60°-70°	420.1	6.6
70°-80°	207.9	3.3
80°-90°	52.4	0.8
90°-100°	29.9	0.5
100°-110°	87.1	1.4
110°-120°	142.1	2.2
120°-130°	180.3	2.9
130°-140°	192.9	3.0
140°-150°	180.2	2.8
150°-160°	148.3	2.3
160°-170°	99.4	1.6
170°-180°	35.3	0.6
0°-30°	1666.4	26.3
0°-40°	2772.3	43.8
0°-60°	4550.6	71.9
0°-90°	5230.9	82.7
90°-120°	259.0	4.1
90°-150°	812.5	12.8
90°-180°	1095.0	17.3
0°-180°	6326.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2076	2076	2076	2076	2076	
5°	2052	2090	2052	2090	2052	196
15°	1995	2046	1995	2046	1995	562
25°	1848	2061	1848	2061	1848	851
35°	1637	1905	1637	1905	1637	1021
45°	1334	1157	1334	1157	1334	1027
55°	968	562	968	562	968	854
65°	518	292	518	292	518	520
75°	224	160	224	160	224	243
85°	50	26	50	26	50	59
90°	1	8	1	16	1	3
95°	12	9	12	51	12	14
105°	55	89	55	122	55	59
115°	106	147	106	181	106	105
125°	157	233	157	222	157	140
135°	213	305	213	246	213	165
145°	272	352	272	251	272	170
155°	324	382	324	261	324	149
165°	358	398	358	300	358	101
175°	374	390	374	352	374	35
180°	375	375	375	375	375	



TEST NUMBER: P1428024

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2060.6	2073.9	2087.1	2084.0	2075.4	2071.9	2073.5	2075.0	2076.6	2078.2	2076.6
5°	2052.3	2068.8	2085.4	2083.0	2074.2	2070.8	2072.8	2075.9	2082.7	2089.6	2082.7
7.5°	2044.4	2061.3	2078.3	2076.1	2067.5	2064.9	2068.2	2072.8	2081.2	2089.6	2081.2
10°	2039.1	2053.7	2068.4	2066.2	2058.4	2056.9	2061.8	2067.1	2074.0	2080.8	2074.0
12.5°	2023.3	2037.1	2051.0	2049.2	2042.2	2041.9	2048.3	2054.7	2060.7	2066.8	2060.7
15°	1995.2	2007.9	2020.6	2020.8	2016.9	2019.3	2028.1	2035.9	2040.8	2045.7	2040.8
17.5°	1957.0	1972.4	1987.8	1991.4	1991.0	1997.0	2009.5	2020.2	2025.2	2030.3	2025.2
20°	1927.2	1945.7	1964.2	1970.3	1972.3	1981.1	1996.7	2010.8	2020.6	2030.3	2020.6
22.5°	1895.5	1917.2	1938.9	1946.9	1950.4	1963.9	1987.3	2009.0	2025.8	2042.6	2025.8
25°	1848.1	1869.6	1891.1	1906.7	1920.3	1944.2	1978.4	2010.3	2035.7	2061.0	2035.7
27.5°	1792.8	1814.1	1835.4	1862.2	1890.9	1924.4	1962.9	1996.7	2016.8	2036.9	2016.8
30°	1755.9	1776.4	1796.9	1827.6	1861.8	1898.9	1938.9	1973.5	1992.0	2010.6	1992.0
32.5°	1710.3	1731.6	1752.8	1785.5	1822.0	1861.8	1904.9	1941.5	1958.5	1975.4	1958.5
35°	1637.4	1657.9	1678.4	1716.4	1760.3	1804.7	1849.6	1885.7	1895.4	1905.2	1895.4
37.5°	1553.6	1576.8	1600.0	1642.7	1691.9	1729.0	1754.2	1773.2	1773.8	1774.4	1773.8
40°	1490.4	1520.6	1550.8	1593.5	1640.3	1666.2	1671.1	1671.6	1658.9	1646.2	1658.9
42.5°	1428.9	1467.7	1506.6	1540.8	1573.6	1580.4	1561.0	1532.5	1476.1	1419.7	1476.1
45°	1334.5	1380.4	1426.2	1447.2	1459.9	1417.0	1318.4	1234.8	1195.8	1156.7	1195.8
47.5°	1234.0	1279.3	1324.5	1318.7	1295.9	1230.9	1123.8	1036.7	1009.8	982.9	1009.8
50°	1165.5	1208.4	1251.4	1220.4	1164.8	1091.6	1000.9	926.5	901.1	875.8	901.1
52.5°	1088.2	1126.5	1164.7	1118.0	1042.8	965.8	886.8	817.8	779.2	740.6	779.2
55°	968.0	994.3	1020.6	969.4	892.4	807.5	714.8	636.0	599.0	561.9	599.0
57.5°	823.1	841.6	860.2	819.9	760.0	675.6	566.7	474.7	433.1	391.6	433.1
60°	726.5	741.2	755.8	719.2	665.6	585.1	477.8	392.2	371.7	351.2	371.7
62.5°	638.7	651.8	664.9	626.7	571.5	499.6	411.0	342.8	335.6	328.4	335.6
65°	518.0	530.7	543.4	503.4	445.8	389.7	335.1	293.9	292.9	291.9	292.9
67.5°	412.2	426.1	439.9	402.3	347.4	306.0	277.9	256.5	255.3	254.2	255.3
70°	349.0	363.6	378.3	343.1	291.4	257.8	242.2	230.0	228.0	226.1	228.0
72.5°	296.3	310.2	324.0	293.4	247.9	220.1	210.0	202.1	200.9	199.7	200.9
75°	223.9	234.6	245.3	223.2	190.0	171.0	166.1	162.2	161.2	160.2	161.2
77.5°	162.4	169.3	176.1	161.5	139.9	127.8	125.3	123.1	122.1	121.2	122.1
80°	127.3	130.2	133.2	122.9	108.3	100.5	99.5	98.5	97.6	96.6	97.6
82.5°	95.7	94.7	93.7	87.8	80.2	75.9	74.9	73.7	72.0	70.2	72.0
85°	50.5	48.5	46.6	44.6	42.7	39.8	35.9	32.2	29.3	26.3	29.3
87.5°	16.0	16.3	16.7	14.1	10.4	8.1	7.4	6.9	6.9	6.9	6.9
90°	1.1	2.7	4.5	6.1	7.2	7.6	7.6	8.0	8.3	8.3	8.3
92.5°	4.2	6.6	6.7	6.7	8.1	8.8	9.4	9.5	9.9	9.9	9.9
95°	11.7	12.9	19.3	18.9	12.9	10.2	8.7	8.7	8.7	8.7	8.7
97.5°	22.4	24.1	25.2	33.7	35.6	34.4	28.0	23.6	21.1	19.9	21.1
100°	31.8	32.6	34.9	35.2	44.7	53.8	49.3	43.6	41.7	40.5	41.7
102.5°	41.2	41.7	45.2	46.8	49.0	54.1	69.9	68.1	66.9	66.6	66.9
105°	55.3	55.7	62.2	65.2	66.7	66.7	66.3	73.9	86.0	88.7	86.0
107.5°	70.4	72.2	79.7	87.8	89.6	90.0	88.1	86.9	86.5	86.8	86.5
110°	80.7	83.4	92.5	102.7	105.4	106.1	105.4	104.2	103.5	103.5	103.5



TEST NUMBER: P1428024

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	90.7	94.6	104.9	116.6	121.1	123.4	121.7	120.9	120.1	120.7	120.1
115°	106.1	111.8	125.4	137.6	146.7	147.8	147.4	147.4	147.0	147.0	147.0
117.5°	120.4	129.5	144.8	158.9	169.4	172.4	173.9	173.5	173.0	173.8	173.0
120°	130.4	141.0	158.4	174.3	184.6	189.1	190.6	189.9	190.6	189.9	190.6
122.5°	141.0	154.0	171.1	187.7	199.7	204.9	206.7	206.8	207.0	206.5	207.0
125°	156.9	172.8	192.9	209.9	222.5	228.5	230.0	230.4	231.2	233.1	231.2
127.5°	173.0	191.0	213.1	229.5	242.3	249.7	252.0	252.8	254.4	255.3	254.4
130°	184.2	204.6	227.0	242.5	255.0	263.0	267.2	268.3	270.2	269.8	270.2
132.5°	196.0	217.4	240.0	256.2	267.8	276.3	279.9	283.2	283.8	284.4	283.8
135°	213.4	236.5	259.2	275.1	286.1	294.5	299.0	302.0	303.9	305.1	303.9
137.5°	231.6	256.0	277.9	292.0	303.1	310.3	315.5	318.6	320.6	321.5	320.6
140°	244.1	267.6	288.8	303.6	313.4	320.6	325.2	328.9	331.2	331.2	331.2
142.5°	255.9	279.1	299.7	314.5	323.1	329.7	334.6	337.4	340.0	340.0	340.0
145°	272.5	295.6	314.5	329.3	336.5	342.6	347.9	350.2	351.7	351.7	351.7
147.5°	289.8	310.3	327.6	341.8	347.8	354.9	359.1	360.9	362.8	362.0	362.8
150°	300.1	319.1	335.8	349.0	355.1	361.9	366.1	367.6	369.5	368.4	369.5
152.5°	310.1	328.2	343.3	355.7	360.9	367.7	372.5	374.0	375.3	374.4	375.3
155°	323.6	339.6	353.6	364.9	369.5	375.9	380.5	382.4	383.9	382.0	383.9
157.5°	335.7	349.4	361.6	372.1	376.9	382.5	386.7	389.1	390.6	389.7	390.6
160°	343.0	355.5	366.5	376.3	380.9	385.8	390.3	393.0	394.5	393.4	394.5
162.5°	349.0	360.3	370.7	379.7	383.6	387.9	393.4	395.7	397.2	395.8	397.2
165°	357.7	366.8	375.9	383.5	386.9	390.3	396.0	398.7	399.8	398.3	399.8
167.5°	364.3	371.3	378.7	385.2	387.7	391.0	396.7	398.9	400.3	398.4	400.3
170°	368.0	374.0	380.5	385.8	387.7	390.7	396.4	398.3	399.4	397.5	399.4
172.5°	371.0	375.6	380.8	385.5	386.5	388.9	394.3	396.2	397.0	395.4	397.0
175°	374.0	376.7	380.5	383.5	383.1	384.7	389.2	390.7	392.2	390.0	392.2
177.5°	375.5	376.7	377.9	379.7	378.5	378.5	381.9	382.8	383.1	381.9	383.1
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



TEST NUMBER: P1428024

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2075.0	2073.5	2071.9	2075.4	2084.0	2087.1	2073.9	2060.6	2073.9	2087.1	2084.0
5°	2075.9	2072.8	2070.8	2074.2	2083.0	2085.4	2068.8	2052.3	2068.8	2085.4	2083.0
7.5°	2072.8	2068.2	2064.9	2067.5	2076.1	2078.3	2061.3	2044.4	2061.3	2078.3	2076.1
10°	2067.1	2061.8	2056.9	2058.4	2066.2	2068.4	2053.7	2039.1	2053.7	2068.4	2066.2
12.5°	2054.7	2048.3	2041.9	2042.2	2049.2	2051.0	2037.1	2023.3	2037.1	2051.0	2049.2
15°	2035.9	2028.1	2019.3	2016.9	2020.8	2020.6	2007.9	1995.2	2007.9	2020.6	2020.8
17.5°	2020.2	2009.5	1997.0	1991.0	1991.4	1987.8	1972.4	1957.0	1972.4	1987.8	1991.4
20°	2010.8	1996.7	1981.1	1972.3	1970.3	1964.2	1945.7	1927.2	1945.7	1964.2	1970.3
22.5°	2009.0	1987.3	1963.9	1950.4	1946.9	1938.9	1917.2	1895.5	1917.2	1938.9	1946.9
25°	2010.3	1978.4	1944.2	1920.3	1906.7	1891.1	1869.6	1848.1	1869.6	1891.1	1906.7
27.5°	1996.7	1962.9	1924.4	1890.9	1862.2	1835.4	1814.1	1792.8	1814.1	1835.4	1862.2
30°	1973.5	1938.9	1898.9	1861.8	1827.6	1796.9	1776.4	1755.9	1776.4	1796.9	1827.6
32.5°	1941.5	1904.9	1861.8	1822.0	1785.5	1752.8	1731.6	1710.3	1731.6	1752.8	1785.5
35°	1885.7	1849.6	1804.7	1760.3	1716.4	1678.4	1657.9	1637.4	1657.9	1678.4	1716.4
37.5°	1773.2	1754.2	1729.0	1691.9	1642.7	1600.0	1576.8	1553.6	1576.8	1600.0	1642.7
40°	1671.6	1671.1	1666.2	1640.3	1593.5	1550.8	1520.6	1490.4	1520.6	1550.8	1593.5
42.5°	1532.5	1561.0	1580.4	1573.6	1540.8	1506.6	1467.7	1428.9	1467.7	1506.6	1540.8
45°	1234.8	1318.4	1417.0	1459.9	1447.2	1426.2	1380.4	1334.5	1380.4	1426.2	1447.2
47.5°	1036.7	1123.8	1230.9	1295.9	1318.7	1324.5	1279.3	1234.0	1279.3	1324.5	1318.7
50°	926.5	1000.9	1091.6	1164.8	1220.4	1251.4	1208.4	1165.5	1208.4	1251.4	1220.4
52.5°	817.8	886.8	965.8	1042.8	1118.0	1164.7	1126.5	1088.2	1126.5	1164.7	1118.0
55°	636.0	714.8	807.5	892.4	969.4	1020.6	994.3	968.0	994.3	1020.6	969.4
57.5°	474.7	566.7	675.6	760.0	819.9	860.2	841.6	823.1	841.6	860.2	819.9
60°	392.2	477.8	585.1	665.6	719.2	755.8	741.2	726.5	741.2	755.8	719.2
62.5°	342.8	411.0	499.6	571.5	626.7	664.9	651.8	638.7	651.8	664.9	626.7
65°	293.9	335.1	389.7	445.8	503.4	543.4	530.7	518.0	530.7	543.4	503.4
67.5°	256.5	277.9	306.0	347.4	402.3	439.9	426.1	412.2	426.1	439.9	402.3
70°	230.0	242.2	257.8	291.4	343.1	378.3	363.6	349.0	363.6	378.3	343.1
72.5°	202.1	210.0	220.1	247.9	293.4	324.0	310.2	296.3	310.2	324.0	293.4
75°	162.2	166.1	171.0	190.0	223.2	245.3	234.6	223.9	234.6	245.3	223.2
77.5°	123.1	125.3	127.8	139.9	161.5	176.1	169.3	162.4	169.3	176.1	161.5
80°	98.5	99.5	100.5	108.3	122.9	133.2	130.2	127.3	130.2	133.2	122.9
82.5°	73.7	74.9	75.9	80.2	87.8	93.7	94.7	95.7	94.7	93.7	87.8
85°	32.2	35.9	39.8	42.7	44.6	46.6	48.5	50.5	48.5	46.6	44.6
87.5°	6.9	7.4	8.1	10.4	14.1	16.7	16.3	16.0	16.3	16.6	14.2
90°	8.0	7.6	7.6	7.2	6.1	4.5	2.7	1.1	2.7	4.2	6.8
92.5°	9.5	9.4	8.8	8.1	6.7	6.7	6.6	4.2	7.2	10.2	14.7
95°	8.7	8.7	10.2	12.9	18.9	19.3	12.9	11.7	16.7	23.5	29.6
97.5°	23.6	28.0	34.4	35.6	33.7	25.2	24.1	22.4	30.5	37.3	47.1
100°	43.6	49.3	53.8	44.7	35.2	34.9	32.6	31.8	40.5	47.0	56.5
102.5°	68.1	69.9	54.1	49.0	46.8	45.2	41.7	41.2	49.9	58.8	66.8
105°	73.9	66.3	66.7	66.7	65.2	62.2	55.7	55.3	65.2	75.4	85.3
107.5°	86.9	88.1	90.0	89.6	87.8	79.7	72.2	70.4	79.3	91.6	102.4
110°	104.2	105.4	106.1	105.4	102.7	92.5	83.4	80.7	88.7	101.6	113.3



TEST NUMBER: P1428024

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	120.9	121.7	123.4	121.1	116.6	104.9	94.6	90.7	98.7	111.9	123.9
115°	147.4	147.4	147.8	146.7	137.6	125.4	111.8	106.1	112.9	125.1	138.3
117.5°	173.5	173.9	172.4	169.4	158.9	144.8	129.5	120.4	125.7	138.6	152.2
120°	189.9	190.6	189.1	184.6	174.3	158.4	141.0	130.4	134.5	147.0	160.7
122.5°	206.8	206.7	204.9	199.7	187.7	171.1	154.0	141.0	142.7	154.3	167.7
125°	230.4	230.0	228.5	222.5	209.9	192.9	172.8	156.9	154.6	164.5	178.1
127.5°	252.8	252.0	249.7	242.3	229.5	213.1	191.0	173.0	167.9	174.1	186.6
130°	268.3	267.2	263.0	255.0	242.5	227.0	204.6	184.2	177.0	180.8	191.8
132.5°	283.2	279.9	276.3	267.8	256.2	240.0	217.4	196.0	186.1	187.7	196.3
135°	302.0	299.0	294.5	286.1	275.1	259.2	236.5	213.4	199.7	198.2	203.1
137.5°	318.6	315.5	310.3	303.1	292.0	277.9	256.0	231.6	214.4	209.3	211.2
140°	328.9	325.2	320.6	313.4	303.6	288.8	267.6	244.1	224.7	217.5	216.4
142.5°	337.4	334.6	329.7	323.1	314.5	299.7	279.1	255.9	235.3	226.0	223.4
145°	350.2	347.9	342.6	336.5	329.3	314.5	295.6	272.5	252.0	239.9	234.2
147.5°	360.9	359.1	354.9	347.8	341.8	327.6	310.3	289.8	268.8	253.8	246.5
150°	367.6	366.1	361.9	355.1	349.0	335.8	319.1	300.1	280.1	264.1	254.7
152.5°	374.0	372.5	367.7	360.9	355.7	343.3	328.2	310.1	289.8	273.8	264.1
155°	382.4	380.5	375.9	369.5	364.9	353.6	339.6	323.6	306.2	289.5	278.5
157.5°	389.1	386.7	382.5	376.9	372.1	361.6	349.4	335.7	320.5	304.5	293.3
160°	393.0	390.3	385.8	380.9	376.3	366.5	355.5	343.0	328.9	314.5	302.4
162.5°	395.7	393.4	387.9	383.6	379.7	370.7	360.3	349.0	336.5	323.9	312.7
165°	398.7	396.0	390.3	386.9	383.5	375.9	366.8	357.7	347.1	336.9	327.8
167.5°	398.9	396.7	391.0	387.7	385.2	378.7	371.3	364.3	356.1	348.0	340.5
170°	398.3	396.4	390.7	387.7	385.8	380.5	374.0	368.0	361.5	354.7	348.7
172.5°	396.2	394.3	388.9	386.5	385.5	380.8	375.6	371.0	365.5	360.5	355.6
175°	390.7	389.2	384.7	383.1	383.5	380.5	376.7	374.0	370.6	367.6	364.9
177.5°	382.8	381.9	378.5	378.5	379.7	377.9	376.7	375.5	374.0	373.1	372.1
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



TEST NUMBER: P1428024

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2075.4	2071.9	2073.5	2075.0	2076.6	2078.2	2076.6	2075.0	2073.5	2071.9	2075.4
5°	2074.2	2070.8	2072.8	2075.9	2082.7	2089.6	2082.7	2075.9	2072.8	2070.8	2074.2
7.5°	2067.5	2064.9	2068.2	2072.8	2081.2	2089.6	2081.2	2072.8	2068.2	2064.9	2067.5
10°	2058.4	2056.9	2061.8	2067.1	2074.0	2080.8	2074.0	2067.1	2061.8	2056.9	2058.4
12.5°	2042.2	2041.9	2048.3	2054.7	2060.7	2066.8	2060.7	2054.7	2048.3	2041.9	2042.2
15°	2016.9	2019.3	2028.1	2035.9	2040.8	2045.7	2040.8	2035.9	2028.1	2019.3	2016.9
17.5°	1991.0	1997.0	2009.5	2020.2	2025.2	2030.3	2025.2	2020.2	2009.5	1997.0	1991.0
20°	1972.3	1981.1	1996.7	2010.8	2020.6	2030.3	2020.6	2010.8	1996.7	1981.1	1972.3
22.5°	1950.4	1963.9	1987.3	2009.0	2025.8	2042.6	2025.8	2009.0	1987.3	1963.9	1950.4
25°	1920.3	1944.2	1978.4	2010.3	2035.7	2061.0	2035.7	2010.3	1978.4	1944.2	1920.3
27.5°	1890.9	1924.4	1962.9	1996.7	2016.8	2036.9	2016.8	1996.7	1962.9	1924.4	1890.9
30°	1861.8	1898.9	1938.9	1973.5	1992.0	2010.6	1992.0	1973.5	1938.9	1898.9	1861.8
32.5°	1822.0	1861.8	1904.9	1941.5	1958.5	1975.4	1958.5	1941.5	1904.9	1861.8	1822.0
35°	1760.3	1804.7	1849.6	1885.7	1895.4	1905.2	1895.4	1885.7	1849.6	1804.7	1760.3
37.5°	1691.9	1729.0	1754.2	1773.2	1773.8	1774.4	1773.8	1773.2	1754.2	1729.0	1691.9
40°	1640.3	1666.2	1671.1	1671.6	1658.9	1646.2	1658.9	1671.6	1671.1	1666.2	1640.3
42.5°	1573.6	1580.4	1561.0	1532.5	1476.1	1419.7	1476.1	1532.5	1561.0	1580.4	1573.6
45°	1459.9	1417.0	1318.4	1234.8	1195.8	1156.7	1195.8	1234.8	1318.4	1417.0	1459.9
47.5°	1295.9	1230.9	1123.8	1036.7	1009.8	982.9	1009.8	1036.7	1123.8	1230.9	1295.9
50°	1164.8	1091.6	1000.9	926.5	901.1	875.8	901.1	926.5	1000.9	1091.6	1164.8
52.5°	1042.8	965.8	886.8	817.8	779.2	740.6	779.2	817.8	886.8	965.8	1042.8
55°	892.4	807.5	714.8	636.0	599.0	561.9	599.0	636.0	714.8	807.5	892.4
57.5°	760.0	675.6	566.7	474.7	433.1	391.6	433.1	474.7	566.7	675.6	760.0
60°	665.6	585.1	477.8	392.2	371.7	351.2	371.7	392.2	477.8	585.1	665.6
62.5°	571.5	499.6	411.0	342.8	335.6	328.4	335.6	342.8	411.0	499.6	571.5
65°	445.8	389.7	335.1	293.9	292.9	291.9	292.9	293.9	335.1	389.7	445.8
67.5°	347.4	306.0	277.9	256.5	255.3	254.2	255.3	256.5	277.9	306.0	347.4
70°	291.4	257.8	242.2	230.0	228.0	226.1	228.0	230.0	242.2	257.8	291.4
72.5°	247.9	220.1	210.0	202.1	200.9	199.7	200.9	202.1	210.0	220.1	247.9
75°	190.0	171.0	166.1	162.2	161.2	160.2	161.2	162.2	166.1	171.0	190.0
77.5°	139.9	127.8	125.3	123.1	122.1	121.2	122.1	123.1	125.3	127.8	139.9
80°	108.3	100.5	99.5	98.5	97.6	96.6	97.6	98.5	99.5	100.5	108.3
82.5°	80.2	75.9	74.9	73.7	72.0	70.2	72.0	73.7	74.9	75.9	80.2
85°	42.7	39.8	35.9	32.2	29.3	26.3	29.3	32.2	35.9	39.8	42.7
87.5°	10.7	8.9	8.7	8.4	8.7	8.5	8.7	8.4	8.7	8.9	10.7
90°	8.7	11.4	14.0	15.5	17.1	16.3	17.1	15.5	14.0	11.4	8.7
92.5°	17.5	22.0	25.2	28.0	29.2	29.0	29.2	28.0	25.2	22.0	17.5
95°	35.2	40.5	45.9	49.6	51.9	51.2	51.9	49.6	45.9	40.5	35.2
97.5°	54.3	61.5	67.4	70.9	73.2	74.7	73.2	70.9	67.4	61.5	54.3
100°	67.1	73.9	80.7	84.9	88.7	90.2	88.7	84.9	80.7	73.9	67.1
102.5°	77.4	86.3	93.8	98.2	101.4	102.9	101.4	98.2	93.8	86.3	77.4
105°	94.4	103.8	111.8	117.5	120.9	122.0	120.9	117.5	111.8	103.8	94.4
107.5°	111.3	121.1	128.5	134.8	138.9	141.4	138.9	134.8	128.5	121.1	111.3
110°	124.7	132.6	140.6	146.3	150.5	152.0	150.5	146.3	140.6	132.6	124.7



TEST NUMBER: P1428024

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	135.9	144.8	152.7	158.4	163.2	165.3	163.2	158.4	152.7	144.8	135.9
115°	151.6	163.3	170.5	175.8	179.3	181.1	179.3	175.8	170.5	163.3	151.6
117.5°	164.6	176.9	184.8	188.9	190.5	191.8	190.5	188.9	184.8	176.9	164.6
120°	172.8	184.2	193.3	198.6	200.5	201.2	200.5	198.6	193.3	184.2	172.8
122.5°	180.4	191.2	199.9	206.5	209.6	210.3	209.6	206.5	199.9	191.2	180.4
125°	191.0	201.2	210.3	216.8	220.2	222.1	220.2	216.8	210.3	201.2	191.0
127.5°	200.2	211.3	219.7	225.5	228.8	230.3	228.8	225.5	219.7	211.3	200.2
130°	205.4	216.8	225.1	231.6	234.6	236.1	234.6	231.6	225.1	216.8	205.4
132.5°	209.3	221.3	230.0	235.8	239.1	240.6	239.1	235.8	230.0	221.3	209.3
135°	214.1	226.6	235.7	241.4	244.4	246.0	244.4	241.4	235.7	226.6	214.1
137.5°	218.3	229.7	239.1	245.1	247.8	248.8	247.8	245.1	239.1	229.7	218.3
140°	221.3	231.2	240.6	246.3	249.4	249.7	249.4	246.3	240.6	231.2	221.3
142.5°	225.3	233.0	241.3	246.9	250.0	250.7	250.0	246.9	241.3	233.0	225.3
145°	232.3	236.9	242.5	247.8	250.5	251.3	250.5	247.8	242.5	236.9	232.3
147.5°	241.2	242.6	245.6	249.1	251.6	252.2	251.6	249.1	245.6	242.6	241.2
150°	247.8	247.5	248.6	250.9	253.2	252.8	253.2	250.9	248.6	247.5	247.8
152.5°	255.4	253.2	253.2	254.2	255.3	255.2	255.3	254.2	253.2	253.2	255.4
155°	268.3	264.1	261.9	261.1	261.1	260.7	261.1	261.1	261.9	264.1	268.3
157.5°	282.5	276.6	273.2	271.4	270.9	270.1	270.9	271.4	273.2	276.6	282.5
160°	292.2	285.7	282.3	279.3	278.2	277.0	278.2	279.3	282.3	285.7	292.2
162.5°	301.3	295.1	291.4	288.7	287.6	285.8	287.6	288.7	291.4	295.1	301.3
165°	316.1	309.6	305.4	303.2	301.7	300.1	301.7	303.2	305.4	309.6	316.1
167.5°	330.8	323.8	321.1	318.5	317.0	314.3	317.0	318.5	321.1	323.8	330.8
170°	339.9	333.5	332.0	329.7	327.1	324.0	327.1	329.7	332.0	333.5	339.9
172.5°	347.8	343.5	342.0	339.7	338.9	336.4	338.9	339.7	342.0	343.5	347.8
175°	359.3	355.9	355.9	355.5	354.3	352.1	354.3	355.5	355.9	355.9	359.3
177.5°	368.8	367.0	368.2	368.2	367.9	365.8	367.9	368.2	368.2	367.0	368.8
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



TEST NUMBER: P1428024

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2076.4	2076.4	2076.4	2076.4
2.5°	2084.0	2087.1	2073.9	2060.6
5°	2083.0	2085.4	2068.8	2052.3
7.5°	2076.1	2078.3	2061.3	2044.4
10°	2066.2	2068.4	2053.7	2039.1
12.5°	2049.2	2051.0	2037.1	2023.3
15°	2020.8	2020.6	2007.9	1995.2
17.5°	1991.4	1987.8	1972.4	1957.0
20°	1970.3	1964.2	1945.7	1927.2
22.5°	1946.9	1938.9	1917.2	1895.5
25°	1906.7	1891.1	1869.6	1848.1
27.5°	1862.2	1835.4	1814.1	1792.8
30°	1827.6	1796.9	1776.4	1755.9
32.5°	1785.5	1752.8	1731.6	1710.3
35°	1716.4	1678.4	1657.9	1637.4
37.5°	1642.7	1600.0	1576.8	1553.6
40°	1593.5	1550.8	1520.6	1490.4
42.5°	1540.8	1506.6	1467.7	1428.9
45°	1447.2	1426.2	1380.4	1334.5
47.5°	1318.7	1324.5	1279.3	1234.0
50°	1220.4	1251.4	1208.4	1165.5
52.5°	1118.0	1164.7	1126.5	1088.2
55°	969.4	1020.6	994.3	968.0
57.5°	819.9	860.2	841.6	823.1
60°	719.2	755.8	741.2	726.5
62.5°	626.7	664.9	651.8	638.7
65°	503.4	543.4	530.7	518.0
67.5°	402.3	439.9	426.1	412.2
70°	343.1	378.3	363.6	349.0
72.5°	293.4	324.0	310.2	296.3
75°	223.2	245.3	234.6	223.9
77.5°	161.5	176.1	169.3	162.4
80°	122.9	133.2	130.2	127.3
82.5°	87.8	93.7	94.7	95.7
85°	44.6	46.6	48.5	50.5
87.5°	14.2	16.6	16.3	16.0
90°	6.8	4.2	2.7	1.1
92.5°	14.7	10.2	7.2	4.2
95°	29.6	23.5	16.7	11.7
97.5°	47.1	37.3	30.5	22.4
100°	56.5	47.0	40.5	31.8
102.5°	66.8	58.8	49.9	41.2
105°	85.3	75.4	65.2	55.3
107.5°	102.4	91.6	79.3	70.4
110°	113.3	101.6	88.7	80.7



TEST NUMBER: P1428024

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	123.9	111.9	98.7	90.7
115°	138.3	125.1	112.9	106.1
117.5°	152.2	138.6	125.7	120.4
120°	160.7	147.0	134.5	130.4
122.5°	167.7	154.3	142.7	141.0
125°	178.1	164.5	154.6	156.9
127.5°	186.6	174.1	167.9	173.0
130°	191.8	180.8	177.0	184.2
132.5°	196.3	187.7	186.1	196.0
135°	203.1	198.2	199.7	213.4
137.5°	211.2	209.3	214.4	231.6
140°	216.4	217.5	224.7	244.1
142.5°	223.4	226.0	235.3	255.9
145°	234.2	239.9	252.0	272.5
147.5°	246.5	253.8	268.8	289.8
150°	254.7	264.1	280.1	300.1
152.5°	264.1	273.8	289.8	310.1
155°	278.5	289.5	306.2	323.6
157.5°	293.3	304.5	320.5	335.7
160°	302.4	314.5	328.9	343.0
162.5°	312.7	323.9	336.5	349.0
165°	327.8	336.9	347.1	357.7
167.5°	340.5	348.0	356.1	364.3
170°	348.7	354.7	361.5	368.0
172.5°	355.6	360.5	365.5	371.0
175°	364.9	367.6	370.6	374.0
177.5°	372.1	373.1	374.0	375.5
180°	375.2	375.2	375.2	375.2

TEST NUMBER: P1428024  
 CATALOG NUMBER: SQ2W-PP3-K-025U-100D-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	22.31	23.50	22.93	24.13	24.84	18.08	19.27	18.70	19.90	20.61
	3H	23.39	24.46	24.03	25.10	25.85	19.41	20.48	20.05	21.12	21.87
	4H	23.78	24.78	24.43	25.43	26.20	19.99	20.99	20.64	21.64	22.40
	6H	23.99	24.91	24.66	25.57	26.35	20.37	21.29	21.04	21.95	22.73
	8H	24.06	24.94	24.74	25.62	26.40	20.51	21.38	21.19	22.07	22.85
	12H	24.09	24.93	24.78	25.61	26.41	20.55	21.39	21.24	22.06	22.87
4H	2H	22.47	23.47	23.13	24.12	24.89	19.03	20.03	19.69	20.68	21.45
	3H	23.79	24.62	24.46	25.31	26.10	20.48	21.31	21.15	22.00	22.79
	4H	24.31	25.06	25.00	25.76	26.57	21.12	21.87	21.81	22.56	23.38
	6H	24.65	25.29	25.35	26.01	26.84	21.58	22.23	22.29	22.95	23.77
	8H	24.76	25.37	25.47	26.08	26.92	21.76	22.36	22.47	23.08	23.91
	12H	24.82	25.36	25.55	26.10	26.95	21.82	22.36	22.55	23.10	23.95
8H	4H	24.36	24.96	25.07	25.68	26.51	21.45	22.05	22.16	22.77	23.61
	6H	24.78	25.28	25.52	26.04	26.88	22.02	22.52	22.76	23.28	24.12
	8H	24.96	25.41	25.72	26.17	27.02	22.27	22.72	23.03	23.48	24.33
	12H	25.07	25.47	25.83	26.22	27.13	22.38	22.78	23.14	23.53	24.45
12H	4H	24.33	24.87	25.06	25.61	26.46	21.48	22.02	22.21	22.76	23.60
	6H	24.77	25.22	25.53	25.98	26.84	22.09	22.53	22.84	23.30	24.15
	8H	24.98	25.38	25.74	26.13	27.05	22.38	22.77	23.13	23.52	24.44