

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: P1428192

Luminaire Tested: SQ2W-PR1-K-025U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428192
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-025U-100D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE 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

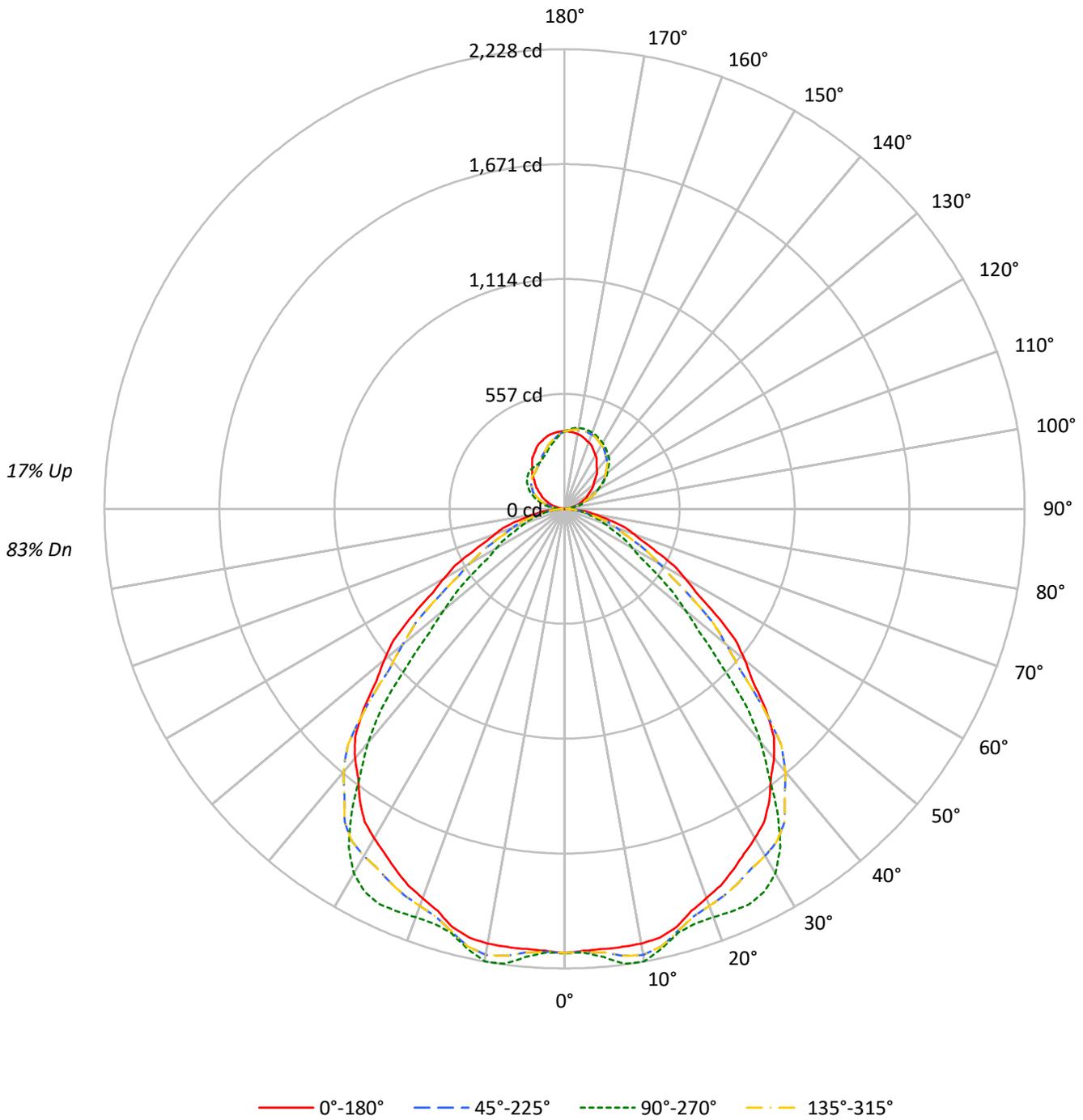
Lumens per Lamp: N/A
Luminaire Lumens: 6277.3 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 45.1
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	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	98	90	84	79	93	87	82	77	81	76	73	75	72	69	70	67	65	62
3	90	80	73	67	86	77	71	66	72	67	62	67	63	59	63	59	56	53
4	83	72	64	58	79	69	62	57	65	59	54	60	56	52	57	52	49	47
5	76	65	56	50	73	62	55	49	58	52	47	55	49	45	51	47	43	41
6	71	58	50	44	68	57	49	44	53	47	42	50	44	40	47	42	38	36
7	66	53	45	39	63	52	44	39	48	42	37	46	40	36	43	38	34	32
8	61	49	41	35	59	47	40	35	44	38	33	42	36	32	40	35	31	29
9	57	45	37	32	55	43	36	31	41	35	30	39	33	29	37	32	28	26
10	53	41	34	29	51	40	33	28	38	32	27	36	30	27	34	29	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34765	34765	34765	34765
5°	34721	35361	34721	35361
10°	35086	36526	35086	36526
15°	35075	35551	35075	35551
20°	34508	36204	34508	36204
25°	34409	37694	34409	37694
30°	34373	38057	34373	38057
35°	34047	35433	34047	35433
40°	33263	31181	33263	31181
45°	31473	24658	31473	24658
50°	28614	19130	28614	19130
55°	25145	14891	25145	14891
60°	21758	12261	21758	12261
65°	18785	10735	18785	10735
70°	16890	9531	16890	9531
75°	15471	8765	15471	8765
80°	13473	8573	13473	8573
85°	9763	4057	9763	4057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 33791 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.9	3.3
10°-20°	602.0	9.6
20°-30°	930.5	14.8
30°-40°	1119.1	17.8
40°-50°	1004.9	16.0
50°-60°	673.3	10.7
60°-70°	391.7	6.2
70°-80°	201.2	3.2
80°-90°	51.2	0.8
90°-100°	29.9	0.5
100°-110°	87.1	1.4
110°-120°	142.1	2.3
120°-130°	180.3	2.9
130°-140°	192.9	3.1
140°-150°	180.2	2.9
150°-160°	148.3	2.4
160°-170°	99.4	1.6
170°-180°	35.3	0.6
0°-30°	1740.5	27.7
0°-40°	2859.5	45.6
0°-60°	4537.7	72.3
0°-90°	5181.8	82.5
90°-120°	259.0	4.1
90°-150°	812.5	12.9
90°-180°	1095.0	17.4
0°-180°	6277.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2153	2153	2153	2153	2153	
5°	2142	2182	2142	2182	2142	204
15°	2098	2127	2098	2127	2098	589
25°	1932	2116	1932	2116	1932	891
35°	1727	1798	1727	1798	1727	1077
45°	1378	1080	1378	1080	1378	1054
55°	893	529	893	529	893	803
65°	492	281	492	281	492	497
75°	248	140	248	140	248	263
85°	53	22	53	22	53	65
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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2
2.5°	2144.5	2156.2	2167.9	2162.6	2151.7	2146.6	2147.4	2148.6	2150.9	2153.2	2150.9
5°	2142.3	2158.8	2175.4	2171.5	2160.8	2156.4	2158.4	2162.3	2172.0	2181.8	2172.0
7.5°	2141.8	2165.4	2189.0	2190.8	2185.4	2185.5	2191.1	2198.6	2211.5	2224.3	2211.5
10°	2140.1	2168.4	2196.6	2200.8	2196.9	2195.4	2196.4	2200.5	2214.2	2227.9	2214.2
12.5°	2129.5	2162.5	2195.5	2192.0	2176.4	2167.9	2166.5	2167.4	2174.8	2182.2	2174.8
15°	2098.4	2137.4	2176.4	2160.5	2126.4	2110.8	2113.7	2117.1	2122.0	2126.9	2122.0
17.5°	2043.5	2084.3	2125.0	2110.8	2078.2	2067.2	2077.7	2088.0	2097.6	2107.1	2097.6
20°	2008.4	2048.4	2088.4	2078.6	2052.3	2045.9	2059.6	2074.0	2090.6	2107.1	2090.6
22.5°	1976.8	2016.8	2056.8	2050.5	2028.9	2027.6	2046.7	2066.8	2089.6	2112.4	2089.6
25°	1931.5	1966.7	2001.8	2002.5	1991.8	2002.5	2034.7	2065.2	2090.6	2115.9	2090.6
27.5°	1884.1	1904.8	1925.5	1939.2	1950.5	1977.9	2021.4	2058.5	2076.2	2094.0	2076.2
30°	1843.7	1857.4	1871.1	1896.4	1925.7	1959.3	1997.4	2027.6	2034.5	2041.3	2034.5
32.5°	1799.8	1808.0	1816.2	1851.9	1896.8	1929.3	1949.4	1962.3	1953.5	1944.7	1953.5
35°	1727.4	1734.2	1741.1	1786.7	1845.2	1866.7	1851.1	1834.7	1816.2	1797.7	1816.2
37.5°	1641.4	1655.4	1669.5	1706.6	1751.5	1751.1	1705.5	1665.9	1644.6	1623.4	1644.6
40°	1578.2	1601.6	1625.0	1649.9	1675.2	1653.8	1585.5	1528.2	1503.8	1479.4	1503.8
42.5°	1500.9	1538.4	1575.8	1581.4	1576.3	1530.3	1443.2	1370.5	1340.7	1310.8	1340.7
45°	1378.4	1429.1	1479.9	1450.9	1395.2	1320.1	1225.5	1146.2	1113.1	1079.9	1113.1
47.5°	1234.0	1286.1	1338.2	1283.5	1193.1	1105.7	1021.2	950.1	919.1	888.1	919.1
50°	1139.2	1181.1	1223.1	1161.1	1064.5	976.7	897.7	829.9	795.8	761.6	795.8
52.5°	1042.6	1072.8	1103.1	1041.7	949.8	864.4	785.3	718.3	687.3	656.3	687.3
55°	893.3	908.9	924.6	867.7	786.8	708.7	633.6	571.9	550.4	529.0	550.4
57.5°	756.4	766.3	776.3	722.4	647.3	577.9	514.1	462.3	446.5	430.6	446.5
60°	673.8	680.7	687.5	632.9	557.8	495.3	445.6	405.1	392.4	379.7	392.4
62.5°	598.3	603.6	608.9	556.2	484.2	428.4	388.8	356.7	347.1	337.6	347.1
65°	491.7	496.5	501.4	456.5	395.1	349.2	319.0	294.6	287.8	281.0	287.8
67.5°	406.9	409.5	412.0	375.0	324.9	287.9	264.1	244.7	238.2	231.8	238.2
70°	357.8	358.8	359.7	327.0	283.1	250.5	229.0	211.7	206.8	201.9	206.8
72.5°	313.9	312.5	311.1	282.0	243.5	215.5	198.0	184.0	180.7	177.4	180.7
75°	248.0	245.1	242.2	218.0	186.8	165.4	153.6	144.4	142.4	140.5	142.4
77.5°	185.3	182.1	179.0	158.9	133.2	118.3	114.4	111.5	111.5	111.5	111.5
80°	144.9	141.0	137.1	121.5	101.9	92.2	92.2	92.2	92.2	92.2	92.2
82.5°	108.0	102.5	97.1	87.5	76.6	71.1	71.1	70.9	70.1	69.4	70.1
85°	52.7	47.8	42.9	41.7	41.7	38.8	32.9	27.8	24.9	21.9	24.9
87.5°	14.3	14.6	15.0	12.3	8.7	6.8	6.8	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



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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



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2
2.5°	2148.6	2147.4	2146.6	2151.7	2162.6	2167.9	2156.2	2144.5	2156.2	2167.9	2162.6
5°	2162.3	2158.4	2156.4	2160.8	2171.5	2175.4	2158.8	2142.3	2158.8	2175.4	2171.5
7.5°	2198.6	2191.1	2185.5	2185.4	2190.8	2189.0	2165.4	2141.8	2165.4	2189.0	2190.8
10°	2200.5	2196.4	2195.4	2196.9	2200.8	2196.6	2168.4	2140.1	2168.4	2196.6	2200.8
12.5°	2167.4	2166.5	2167.9	2176.4	2192.0	2195.5	2162.5	2129.5	2162.5	2195.5	2192.0
15°	2117.1	2113.7	2110.8	2126.4	2160.5	2176.4	2137.4	2098.4	2137.4	2176.4	2160.5
17.5°	2088.0	2077.7	2067.2	2078.2	2110.8	2125.0	2084.3	2043.5	2084.3	2125.0	2110.8
20°	2074.0	2059.6	2045.9	2052.3	2078.6	2088.4	2048.4	2008.4	2048.4	2088.4	2078.6
22.5°	2066.8	2046.7	2027.6	2028.9	2050.5	2056.8	2016.8	1976.8	2016.8	2056.8	2050.5
25°	2065.2	2034.7	2002.5	1991.8	2002.5	2001.8	1966.7	1931.5	1966.7	2001.8	2002.5
27.5°	2058.5	2021.4	1977.9	1950.5	1939.2	1925.5	1904.8	1884.1	1904.8	1925.5	1939.2
30°	2027.6	1997.4	1959.3	1925.7	1896.4	1871.1	1857.4	1843.7	1857.4	1871.1	1896.4
32.5°	1962.3	1949.4	1929.3	1896.8	1851.9	1816.2	1808.0	1799.8	1808.0	1816.2	1851.9
35°	1834.7	1851.1	1866.7	1845.2	1786.7	1741.1	1734.2	1727.4	1734.2	1741.1	1786.7
37.5°	1665.9	1705.5	1751.1	1751.5	1706.6	1669.5	1655.4	1641.4	1655.4	1669.5	1706.6
40°	1528.2	1585.5	1653.8	1675.2	1649.9	1625.0	1601.6	1578.2	1601.6	1625.0	1649.9
42.5°	1370.5	1443.2	1530.3	1576.3	1581.4	1575.8	1538.4	1500.9	1538.4	1575.8	1581.4
45°	1146.2	1225.5	1320.1	1395.2	1450.9	1479.9	1429.1	1378.4	1429.1	1479.9	1450.9
47.5°	950.1	1021.2	1105.7	1193.1	1283.5	1338.2	1286.1	1234.0	1286.1	1338.2	1283.5
50°	829.9	897.7	976.7	1064.5	1161.1	1223.1	1181.1	1139.2	1181.1	1223.1	1161.1
52.5°	718.3	785.3	864.4	949.8	1041.7	1103.1	1072.8	1042.6	1072.8	1103.1	1041.7
55°	571.9	633.6	708.7	786.8	867.7	924.6	908.9	893.3	908.9	924.6	867.7
57.5°	462.3	514.1	577.9	647.3	722.4	776.3	766.3	756.4	766.3	776.3	722.4
60°	405.1	445.6	495.3	557.8	632.9	687.5	680.7	673.8	680.7	687.5	632.9
62.5°	356.7	388.8	428.4	484.2	556.2	608.9	603.6	598.3	603.6	608.9	556.2
65°	294.6	319.0	349.2	395.1	456.5	501.4	496.5	491.7	496.5	501.4	456.5
67.5°	244.7	264.1	287.9	324.9	375.0	412.0	409.5	406.9	409.5	412.0	375.0
70°	211.7	229.0	250.5	283.1	327.0	359.7	358.8	357.8	358.8	359.7	327.0
72.5°	184.0	198.0	215.5	243.5	282.0	311.1	312.5	313.9	312.5	311.1	282.0
75°	144.4	153.6	165.4	186.8	218.0	242.2	245.1	248.0	245.1	242.2	218.0
77.5°	111.5	114.4	118.3	133.2	158.9	179.0	182.1	185.3	182.1	179.0	158.9
80°	92.2	92.2	92.2	101.9	121.5	137.1	141.0	144.9	141.0	137.1	121.5
82.5°	70.9	71.1	71.1	76.6	87.5	97.1	102.5	108.0	102.5	97.1	87.5
85°	27.8	32.9	38.8	41.7	41.7	42.9	47.8	52.7	47.8	42.9	41.7
87.5°	6.9	6.8	6.8	8.7	12.3	15.0	14.6	14.3	14.6	14.9	12.5
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: P1428192

CATALOG NUMBER: SQ2W-PR1-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: P1428192

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2
2.5°	2151.7	2146.6	2147.4	2148.6	2150.9	2153.2	2150.9	2148.6	2147.4	2146.6	2151.7
5°	2160.8	2156.4	2158.4	2162.3	2172.0	2181.8	2172.0	2162.3	2158.4	2156.4	2160.8
7.5°	2185.4	2185.5	2191.1	2198.6	2211.5	2224.3	2211.5	2198.6	2191.1	2185.5	2185.4
10°	2196.9	2195.4	2196.4	2200.5	2214.2	2227.9	2214.2	2200.5	2196.4	2195.4	2196.9
12.5°	2176.4	2167.9	2166.5	2167.4	2174.8	2182.2	2174.8	2167.4	2166.5	2167.9	2176.4
15°	2126.4	2110.8	2113.7	2117.1	2122.0	2126.9	2122.0	2117.1	2113.7	2110.8	2126.4
17.5°	2078.2	2067.2	2077.7	2088.0	2097.6	2107.1	2097.6	2088.0	2077.7	2067.2	2078.2
20°	2052.3	2045.9	2059.6	2074.0	2090.6	2107.1	2090.6	2074.0	2059.6	2045.9	2052.3
22.5°	2028.9	2027.6	2046.7	2066.8	2089.6	2112.4	2089.6	2066.8	2046.7	2027.6	2028.9
25°	1991.8	2002.5	2034.7	2065.2	2090.6	2115.9	2090.6	2065.2	2034.7	2002.5	1991.8
27.5°	1950.5	1977.9	2021.4	2058.5	2076.2	2094.0	2076.2	2058.5	2021.4	1977.9	1950.5
30°	1925.7	1959.3	1997.4	2027.6	2034.5	2041.3	2034.5	2027.6	1997.4	1959.3	1925.7
32.5°	1896.8	1929.3	1949.4	1962.3	1953.5	1944.7	1953.5	1962.3	1949.4	1929.3	1896.8
35°	1845.2	1866.7	1851.1	1834.7	1816.2	1797.7	1816.2	1834.7	1851.1	1866.7	1845.2
37.5°	1751.5	1751.1	1705.5	1665.9	1644.6	1623.4	1644.6	1665.9	1705.5	1751.1	1751.5
40°	1675.2	1653.8	1585.5	1528.2	1503.8	1479.4	1503.8	1528.2	1585.5	1653.8	1675.2
42.5°	1576.3	1530.3	1443.2	1370.5	1340.7	1310.8	1340.7	1370.5	1443.2	1530.3	1576.3
45°	1395.2	1320.1	1225.5	1146.2	1113.1	1079.9	1113.1	1146.2	1225.5	1320.1	1395.2
47.5°	1193.1	1105.7	1021.2	950.1	919.1	888.1	919.1	950.1	1021.2	1105.7	1193.1
50°	1064.5	976.7	897.7	829.9	795.8	761.6	795.8	829.9	897.7	976.7	1064.5
52.5°	949.8	864.4	785.3	718.3	687.3	656.3	687.3	718.3	785.3	864.4	949.8
55°	786.8	708.7	633.6	571.9	550.4	529.0	550.4	571.9	633.6	708.7	786.8
57.5°	647.3	577.9	514.1	462.3	446.5	430.6	446.5	462.3	514.1	577.9	647.3
60°	557.8	495.3	445.6	405.1	392.4	379.7	392.4	405.1	445.6	495.3	557.8
62.5°	484.2	428.4	388.8	356.7	347.1	337.6	347.1	356.7	388.8	428.4	484.2
65°	395.1	349.2	319.0	294.6	287.8	281.0	287.8	294.6	319.0	349.2	395.1
67.5°	324.9	287.9	264.1	244.7	238.2	231.8	238.2	244.7	264.1	287.9	324.9
70°	283.1	250.5	229.0	211.7	206.8	201.9	206.8	211.7	229.0	250.5	283.1
72.5°	243.5	215.5	198.0	184.0	180.7	177.4	180.7	184.0	198.0	215.5	243.5
75°	186.8	165.4	153.6	144.4	142.4	140.5	142.4	144.4	153.6	165.4	186.8
77.5°	133.2	118.3	114.4	111.5	111.5	111.5	111.5	111.5	114.4	118.3	133.2
80°	101.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	101.9
82.5°	76.6	71.1	71.1	70.9	70.1	69.4	70.1	70.9	71.1	71.1	76.6
85°	41.7	38.8	32.9	27.8	24.9	21.9	24.9	27.8	32.9	38.8	41.7
87.5°	9.0	7.5	8.1	8.4	8.7	8.5	8.7	8.4	8.1	7.5	9.0
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: P1428192

CATALOG NUMBER: SQ2W-PR1-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: P1428192

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2153.2	2153.2	2153.2	2153.2
2.5°	2162.6	2167.9	2156.2	2144.5
5°	2171.5	2175.4	2158.8	2142.3
7.5°	2190.8	2189.0	2165.4	2141.8
10°	2200.8	2196.6	2168.4	2140.1
12.5°	2192.0	2195.5	2162.5	2129.5
15°	2160.5	2176.4	2137.4	2098.4
17.5°	2110.8	2125.0	2084.3	2043.5
20°	2078.6	2088.4	2048.4	2008.4
22.5°	2050.5	2056.8	2016.8	1976.8
25°	2002.5	2001.8	1966.7	1931.5
27.5°	1939.2	1925.5	1904.8	1884.1
30°	1896.4	1871.1	1857.4	1843.7
32.5°	1851.9	1816.2	1808.0	1799.8
35°	1786.7	1741.1	1734.2	1727.4
37.5°	1706.6	1669.5	1655.4	1641.4
40°	1649.9	1625.0	1601.6	1578.2
42.5°	1581.4	1575.8	1538.4	1500.9
45°	1450.9	1479.9	1429.1	1378.4
47.5°	1283.5	1338.2	1286.1	1234.0
50°	1161.1	1223.1	1181.1	1139.2
52.5°	1041.7	1103.1	1072.8	1042.6
55°	867.7	924.6	908.9	893.3
57.5°	722.4	776.3	766.3	756.4
60°	632.9	687.5	680.7	673.8
62.5°	556.2	608.9	603.6	598.3
65°	456.5	501.4	496.5	491.7
67.5°	375.0	412.0	409.5	406.9
70°	327.0	359.7	358.8	357.8
72.5°	282.0	311.1	312.5	313.9
75°	218.0	242.2	245.1	248.0
77.5°	158.9	179.0	182.1	185.3
80°	121.5	137.1	141.0	144.9
82.5°	87.5	97.1	102.5	108.0
85°	41.7	42.9	47.8	52.7
87.5°	12.5	14.9	14.6	14.3
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: P1428192

CATALOG NUMBER: SQ2W-PR1-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: P1428192
 CATALOG NUMBER: SQ2W-PR1-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	21.65	22.83	22.28	23.46	24.17	18.02	19.20	18.65	19.83	20.54
	3H	22.88	23.93	23.52	24.57	25.33	19.21	20.26	19.85	20.90	21.65
	4H	23.38	24.37	24.04	25.02	25.79	19.69	20.67	20.35	21.32	22.09
	6H	23.70	24.60	24.37	25.27	26.05	20.04	20.95	20.72	21.62	22.40
	8H	23.81	24.67	24.49	25.36	26.14	20.19	21.05	20.87	21.74	22.52
	12H	23.86	24.68	24.55	25.36	26.17	20.23	21.05	20.92	21.73	22.54
4H	2H	21.80	22.78	22.46	23.43	24.20	18.77	19.76	19.43	20.41	21.18
	3H	23.29	24.10	23.96	24.79	25.58	20.16	20.97	20.83	21.66	22.45
	4H	23.93	24.66	24.62	25.36	26.18	20.71	21.45	21.40	22.15	22.96
	6H	24.37	25.01	25.08	25.73	26.56	21.16	21.80	21.87	22.52	23.35
	8H	24.54	25.13	25.25	25.85	26.69	21.35	21.94	22.07	22.66	23.50
	12H	24.62	25.15	25.35	25.89	26.74	21.41	21.94	22.15	22.69	23.53
8H	4H	23.97	24.57	24.69	25.28	26.12	21.06	21.66	21.78	22.37	23.21
	6H	24.51	25.00	25.26	25.77	26.61	21.61	22.10	22.36	22.86	23.71
	8H	24.75	25.19	25.51	25.95	26.81	21.87	22.31	22.63	23.08	23.94
	12H	24.88	25.27	25.64	26.02	26.94	21.98	22.37	22.74	23.12	24.04
12H	4H	23.94	24.48	24.68	25.22	26.06	21.10	21.63	21.83	22.37	23.21
	6H	24.50	24.94	25.26	25.71	26.56	21.68	22.12	22.44	22.89	23.74
	8H	24.77	25.15	25.53	25.91	26.83	21.99	22.37	22.74	23.13	24.05