

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: P1428507

Luminaire Tested: SQ2W-WBM-K-025U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428507  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-WBM-K-025U-075D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

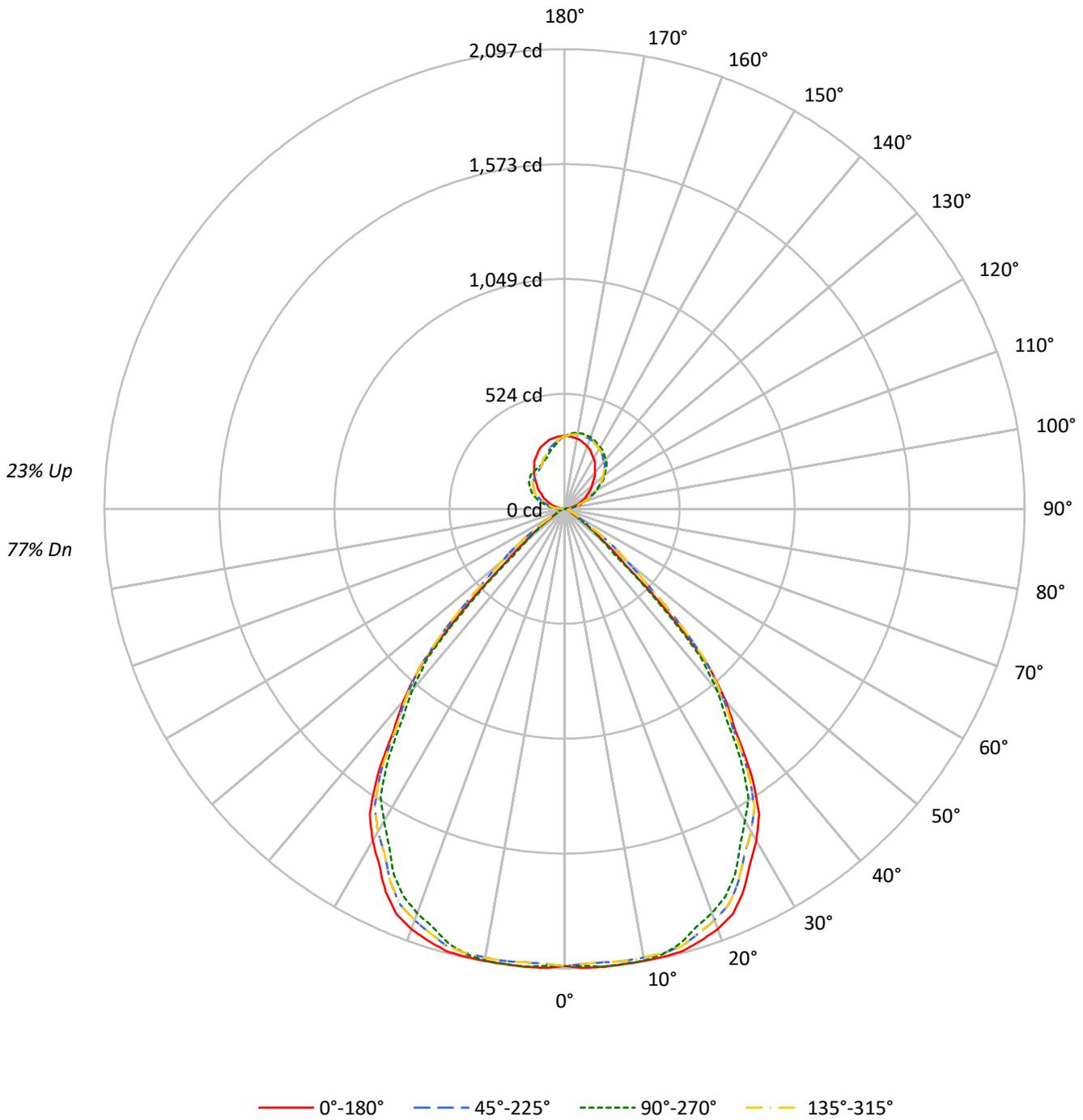
Lumens per Lamp: N/A  
Luminaire Lumens: 4232.3 lumens  
Efficiency: N/A  
Efficacy: 120.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 35.1  
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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CATALOG NUMBER: SQ2W-WBM-K-025U-075D-L935-UNV-STD-W-WM-4

### 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	50	30	10	0	
RCR																						
0	114	114	114	114	108	108	108	108	98	98	98	89	89	89	81	81	81	77				
1	107	103	100	97	102	99	96	94	90	88	87	83	81	80	76	75	74	70				
2	100	94	89	85	95	90	85	82	83	79	77	76	74	72	70	69	67	64				
3	93	85	79	74	89	82	77	72	76	72	68	70	67	64	65	63	60	58				
4	87	78	71	66	83	75	69	64	70	65	61	65	61	58	60	57	55	52				
5	81	71	64	59	77	69	62	57	64	59	55	60	56	52	56	53	50	48				
6	76	65	58	53	72	63	56	52	59	54	50	55	51	48	52	48	45	43				
7	71	60	53	48	68	58	52	47	55	49	45	51	47	43	48	44	42	40				
8	66	55	48	43	64	54	47	43	51	45	41	48	43	40	45	41	38	36				
9	62	51	44	40	60	50	43	39	47	42	38	44	40	36	42	38	35	33				
10	59	48	41	36	56	46	40	36	44	38	35	42	37	34	39	35	32	31				

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

	0°	90°	180°	270°
0°	33680	33680	33680	33680
5°	33987	33970	33987	33970
10°	34330	34314	34330	34314
15°	34901	34283	34901	34283
20°	35068	33728	35068	33728
25°	34347	32779	34347	32779
30°	32588	30650	32588	30650
35°	29309	27653	29309	27653
40°	24027	22763	24027	22763
45°	15024	14111	15024	14111
50°	5878	5375	5878	5375
55°	2899	2871	2899	2871
60°	1356	1227	1356	1227
65°	1223	1146	1223	1146
70°	1180	1133	1180	1133
75°	1185	1060	1185	1060
80°	1116	1023	1116	1023
85°	1111	926	1111	926

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°  
 Vertical Angle: 45°  
 Luminance: 17102 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.4	4.7
10°-20°	583.2	13.8
20°-30°	862.3	20.4
30°-40°	892.2	21.1
40°-50°	536.6	12.7
50°-60°	128.3	3.0
60°-70°	35.1	0.8
70°-80°	19.6	0.5
80°-90°	7.6	0.2
90°-100°	26.4	0.6
100°-110°	76.9	1.8
110°-120°	125.6	3.0
120°-130°	159.3	3.8
130°-140°	170.5	4.0
140°-150°	159.2	3.8
150°-160°	131.0	3.1
160°-170°	87.9	2.1
170°-180°	31.2	0.7
0°-30°	1644.9	38.9
0°-40°	2537.1	59.9
0°-60°	3202.0	75.7
0°-90°	3264.3	77.1
90°-120°	228.9	5.4
90°-150°	717.9	17.0
90°-180°	968.0	22.9
0°-180°	4232.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2086	2086	2086	2086	2086	
5°	2097	2096	2097	2096	2097	200
15°	2088	2051	2088	2051	2088	588
25°	1928	1840	1928	1840	1928	881
35°	1487	1403	1487	1403	1487	913
45°	658	618	658	618	658	509
55°	103	102	103	102	103	103
65°	32	30	32	30	32	32
75°	19	17	19	17	19	20
85°	6	5	6	5	6	6
90°	1	7	1	14	1	1
95°	10	8	10	45	10	13
105°	49	78	49	108	49	52
115°	94	130	94	160	94	92
125°	139	206	139	196	139	124
135°	188	270	188	217	188	146
145°	241	311	241	222	241	151
155°	286	338	286	230	286	131
165°	316	352	316	265	316	89
175°	330	345	330	311	330	31
180°	332	332	332	332	332	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0
2.5°	2096.4	2093.9	2091.4	2085.2	2077.7	2077.9	2085.7	2091.2	2089.4	2087.6	2089.4
5°	2097.0	2093.9	2090.8	2083.7	2075.2	2077.2	2089.7	2098.7	2097.3	2096.0	2097.3
7.5°	2094.8	2093.5	2092.1	2086.9	2080.4	2081.9	2091.3	2097.9	2095.8	2093.8	2095.8
10°	2094.0	2094.4	2094.9	2088.0	2078.7	2078.9	2088.7	2095.7	2094.3	2093.0	2094.3
12.5°	2093.2	2096.8	2100.5	2091.2	2077.6	2074.6	2082.3	2087.2	2084.1	2081.0	2084.1
15°	2088.0	2095.1	2102.2	2089.7	2070.6	2061.0	2061.0	2059.9	2055.4	2051.0	2055.4
17.5°	2065.8	2074.2	2082.7	2065.7	2040.2	2024.0	2017.1	2010.6	2005.2	1999.8	2005.2
20°	2041.0	2049.4	2057.9	2037.7	2007.9	1987.4	1976.3	1967.4	1965.2	1963.0	1965.2
22.5°	2001.8	2011.0	2020.1	1998.5	1966.6	1944.5	1932.3	1922.3	1918.6	1915.0	1918.6
25°	1928.0	1935.1	1942.2	1919.7	1887.2	1866.6	1857.7	1849.8	1844.9	1840.0	1844.9
27.5°	1829.6	1833.5	1837.4	1815.6	1785.2	1764.9	1754.8	1745.5	1738.8	1732.0	1738.8
30°	1748.0	1749.8	1751.6	1734.0	1710.0	1691.3	1678.0	1665.3	1654.7	1644.0	1654.7
32.5°	1651.2	1653.0	1654.8	1639.3	1618.2	1601.3	1588.7	1577.1	1568.5	1560.0	1568.5
35°	1487.0	1486.1	1485.2	1475.3	1462.4	1448.7	1434.0	1420.8	1411.9	1403.0	1411.9
37.5°	1281.6	1282.8	1284.1	1276.7	1266.5	1255.6	1244.1	1233.2	1224.2	1215.2	1224.2
40°	1140.0	1140.9	1141.8	1135.7	1127.2	1114.6	1097.7	1084.4	1082.2	1080.0	1082.2
42.5°	967.2	980.5	993.9	988.5	976.8	964.5	951.5	939.2	928.8	918.4	928.8
45°	658.0	698.4	738.9	749.0	749.0	741.2	725.7	703.3	660.7	618.0	660.7
47.5°	371.6	417.6	463.7	493.9	518.9	508.3	462.1	414.4	362.6	310.8	362.6
50°	234.0	265.1	296.2	335.0	376.3	365.0	301.0	248.7	231.3	214.0	231.3
52.5°	166.0	181.8	197.6	234.2	277.7	272.4	218.3	175.5	166.4	157.2	166.4
55°	103.0	108.8	114.6	132.3	154.1	152.8	128.3	109.1	105.6	102.0	105.6
57.5°	61.2	67.2	73.1	81.0	89.5	89.5	81.0	73.2	67.6	62.0	67.6
60°	42.0	46.9	51.8	58.3	65.4	64.6	55.7	47.8	42.9	38.0	42.9
62.5°	36.4	38.4	40.5	45.5	51.6	51.0	43.9	38.2	36.5	34.8	36.5
65°	32.0	32.4	32.9	33.3	33.8	33.6	32.7	31.8	30.9	30.0	30.9
67.5°	28.2	28.6	29.1	28.9	28.6	28.4	28.3	28.0	27.2	26.4	27.2
70°	25.0	25.4	25.9	26.0	26.0	25.8	25.3	24.9	24.4	24.0	24.4
72.5°	22.6	23.0	23.5	23.3	23.0	22.8	22.7	22.4	21.6	20.8	21.6
75°	19.0	19.0	19.0	19.0	19.0	18.8	18.3	17.9	17.4	17.0	17.4
77.5°	14.4	14.8	15.3	15.1	14.6	14.4	14.4	14.3	13.8	13.4	13.8
80°	12.0	12.4	12.9	12.7	12.2	12.0	12.0	11.9	11.4	11.0	11.4
82.5°	9.6	9.7	9.8	9.7	9.6	9.6	9.6	9.5	9.0	8.6	9.0
85°	6.0	6.0	6.0	5.7	5.2	5.0	5.0	5.0	5.0	5.0	5.0
87.5°	1.8	2.4	3.1	3.2	3.1	2.9	2.9	3.0	3.1	3.1	3.1
90°	1.0	2.3	4.0	5.4	6.4	6.7	6.7	7.0	7.4	7.4	7.4
92.5°	3.7	5.8	5.9	5.9	7.2	7.8	8.3	8.4	8.7	8.7	8.7
95°	10.4	11.4	17.1	16.7	11.4	9.0	7.7	7.7	7.7	7.7	7.7
97.5°	19.8	21.3	22.2	29.8	31.5	30.4	24.8	20.8	18.6	17.6	18.6
100°	28.1	28.8	30.8	31.1	39.5	47.6	43.5	38.5	36.8	35.8	36.8
102.5°	36.4	36.8	39.9	41.3	43.3	47.8	61.8	60.2	59.1	58.9	59.1
105°	48.9	49.2	54.9	57.6	58.9	58.9	58.6	65.3	76.0	78.4	76.0
107.5°	62.2	63.8	70.5	77.6	79.2	79.6	77.8	76.8	76.4	76.7	76.4
110°	71.3	73.7	81.7	90.8	93.1	93.8	93.1	92.1	91.4	91.4	91.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	80.2	83.6	92.7	103.1	107.0	109.0	107.6	106.8	106.2	106.7	106.2
115°	93.8	98.8	110.8	121.6	129.6	130.6	130.3	130.3	129.9	129.9	129.9
117.5°	106.4	114.4	127.9	140.4	149.7	152.4	153.7	153.3	152.9	153.6	152.9
120°	115.2	124.6	140.0	154.0	163.1	167.1	168.4	167.8	168.4	167.8	168.4
122.5°	124.6	136.1	151.2	165.8	176.5	181.0	182.6	182.8	182.9	182.5	182.9
125°	138.6	152.7	170.5	185.5	196.6	201.9	203.3	203.6	204.3	206.0	204.3
127.5°	152.8	168.8	188.3	202.8	214.1	220.6	222.7	223.4	224.8	225.6	224.8
130°	162.8	180.8	200.6	214.3	225.4	232.4	236.1	237.1	238.8	238.4	238.8
132.5°	173.2	192.1	212.1	226.4	236.6	244.2	247.3	250.2	250.8	251.3	250.8
135°	188.5	209.0	229.1	243.1	252.8	260.2	264.2	266.9	268.6	269.6	268.6
137.5°	204.7	226.2	245.5	258.1	267.8	274.2	278.8	281.6	283.3	284.1	283.3
140°	215.7	236.4	255.2	268.2	276.9	283.3	287.3	290.7	292.7	292.7	292.7
142.5°	226.1	246.6	264.8	277.9	285.5	291.3	295.6	298.2	300.5	300.5	300.5
145°	240.8	261.2	277.9	291.0	297.4	302.7	307.4	309.4	310.8	310.8	310.8
147.5°	256.1	274.2	289.5	302.0	307.4	313.6	317.3	318.9	320.6	319.9	320.6
150°	265.2	282.0	296.7	308.4	313.8	319.8	323.5	324.8	326.5	325.5	326.5
152.5°	274.1	290.0	303.4	314.3	318.9	324.9	329.1	330.5	331.6	330.9	331.6
155°	286.0	300.1	312.4	322.5	326.5	332.2	336.2	337.9	339.2	337.6	339.2
157.5°	296.6	308.8	319.5	328.8	333.1	338.0	341.7	343.8	345.1	344.4	345.1
160°	303.1	314.1	323.8	332.5	336.6	340.9	344.9	347.3	348.6	347.6	348.6
162.5°	308.4	318.4	327.6	335.5	339.0	342.8	347.6	349.7	351.0	349.7	351.0
165°	316.1	324.2	332.2	338.9	341.9	344.9	349.9	352.3	353.3	352.0	353.3
167.5°	322.0	328.1	334.6	340.4	342.6	345.5	350.6	352.5	353.8	352.1	353.8
170°	325.2	330.5	336.2	340.9	342.6	345.3	350.3	352.0	353.0	351.3	353.0
172.5°	327.8	331.9	336.5	340.6	341.5	343.7	348.4	350.1	350.8	349.4	350.8
175°	330.5	332.9	336.2	338.9	338.6	339.9	343.9	345.3	346.6	344.6	346.6
177.5°	331.8	332.9	333.9	335.5	334.5	334.5	337.4	338.2	338.5	337.4	338.5
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0
2.5°	2091.2	2085.7	2077.9	2077.7	2085.2	2091.4	2093.9	2096.4	2093.9	2091.4	2085.2
5°	2098.7	2089.7	2077.2	2075.2	2083.7	2090.8	2093.9	2097.0	2093.9	2090.8	2083.7
7.5°	2097.9	2091.3	2081.9	2080.4	2086.9	2092.1	2093.5	2094.8	2093.5	2092.1	2086.9
10°	2095.7	2088.7	2078.9	2078.7	2088.0	2094.9	2094.4	2094.0	2094.4	2094.9	2088.0
12.5°	2087.2	2082.3	2074.6	2077.6	2091.2	2100.5	2096.8	2093.2	2096.8	2100.5	2091.2
15°	2059.9	2061.0	2061.0	2070.6	2089.7	2102.2	2095.1	2088.0	2095.1	2102.2	2089.7
17.5°	2010.6	2017.1	2024.0	2040.2	2065.7	2082.7	2074.2	2065.8	2074.2	2082.7	2065.7
20°	1967.4	1976.3	1987.4	2007.9	2037.7	2057.9	2049.4	2041.0	2049.4	2057.9	2037.7
22.5°	1922.3	1932.3	1944.5	1966.6	1998.5	2020.1	2011.0	2001.8	2011.0	2020.1	1998.5
25°	1849.8	1857.7	1866.6	1887.2	1919.7	1942.2	1935.1	1928.0	1935.1	1942.2	1919.7
27.5°	1745.5	1754.8	1764.9	1785.2	1815.6	1837.4	1833.5	1829.6	1833.5	1837.4	1815.6
30°	1665.3	1678.0	1691.3	1710.0	1734.0	1751.6	1749.8	1748.0	1749.8	1751.6	1734.0
32.5°	1577.1	1588.7	1601.3	1618.2	1639.3	1654.8	1653.0	1651.2	1653.0	1654.8	1639.3
35°	1420.8	1434.0	1448.7	1462.4	1475.3	1485.2	1486.1	1487.0	1486.1	1485.2	1475.3
37.5°	1233.2	1244.1	1255.6	1266.5	1276.7	1284.1	1282.8	1281.6	1282.8	1284.1	1276.7
40°	1084.4	1097.7	1114.6	1127.2	1135.7	1141.8	1140.9	1140.0	1140.9	1141.8	1135.7
42.5°	939.2	951.5	964.5	976.8	988.5	993.9	980.5	967.2	980.5	993.9	988.5
45°	703.3	725.7	741.2	749.0	749.0	738.9	698.4	658.0	698.4	738.9	749.0
47.5°	414.4	462.1	508.3	518.9	493.9	463.7	417.6	371.6	417.6	463.7	493.9
50°	248.7	301.0	365.0	376.3	335.0	296.2	265.1	234.0	265.1	296.2	335.0
52.5°	175.5	218.3	272.4	277.7	234.2	197.6	181.8	166.0	181.8	197.6	234.2
55°	109.1	128.3	152.8	154.1	132.3	114.6	108.8	103.0	108.8	114.6	132.3
57.5°	73.2	81.0	89.5	89.5	81.0	73.1	67.2	61.2	67.2	73.1	81.0
60°	47.8	55.7	64.6	65.4	58.3	51.8	46.9	42.0	46.9	51.8	58.3
62.5°	38.2	43.9	51.0	51.6	45.5	40.5	38.4	36.4	38.4	40.5	45.5
65°	31.8	32.7	33.6	33.8	33.3	32.9	32.4	32.0	32.4	32.9	33.3
67.5°	28.0	28.3	28.4	28.6	28.9	29.1	28.6	28.2	28.6	29.1	28.9
70°	24.9	25.3	25.8	26.0	26.0	25.9	25.4	25.0	25.4	25.9	26.0
72.5°	22.4	22.7	22.8	23.0	23.3	23.5	23.0	22.6	23.0	23.5	23.3
75°	17.9	18.3	18.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
77.5°	14.3	14.4	14.4	14.6	15.1	15.3	14.8	14.4	14.8	15.3	15.1
80°	11.9	12.0	12.0	12.2	12.7	12.9	12.4	12.0	12.4	12.9	12.7
82.5°	9.5	9.6	9.6	9.6	9.7	9.8	9.7	9.6	9.7	9.8	9.7
85°	5.0	5.0	5.0	5.2	5.7	6.0	6.0	6.0	6.0	6.0	5.7
87.5°	3.0	2.9	2.9	3.1	3.2	3.1	2.4	1.8	2.4	3.0	3.3
90°	7.0	6.7	6.7	6.4	5.4	4.0	2.3	1.0	2.3	3.7	6.0
92.5°	8.4	8.3	7.8	7.2	5.9	5.9	5.8	3.7	6.4	9.0	13.0
95°	7.7	7.7	9.0	11.4	16.7	17.1	11.4	10.4	14.7	20.8	26.1
97.5°	20.8	24.8	30.4	31.5	29.8	22.2	21.3	19.8	27.0	33.0	41.6
100°	38.5	43.5	47.6	39.5	31.1	30.8	28.8	28.1	35.8	41.5	49.9
102.5°	60.2	61.8	47.8	43.3	41.3	39.9	36.8	36.4	44.1	52.0	59.0
105°	65.3	58.6	58.9	58.9	57.6	54.9	49.2	48.9	57.6	66.6	75.3
107.5°	76.8	77.8	79.6	79.2	77.6	70.5	63.8	62.2	70.1	80.9	90.5
110°	92.1	93.1	93.8	93.1	90.8	81.7	73.7	71.3	78.4	89.7	100.1



TEST NUMBER: P1428507

CATALOG NUMBER: SQ2W-WBM-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	106.8	107.6	109.0	107.0	103.1	92.7	83.6	80.2	87.2	98.9	109.5
115°	130.3	130.3	130.6	129.6	121.6	110.8	98.8	93.8	99.8	110.5	122.2
117.5°	153.3	153.7	152.4	149.7	140.4	127.9	114.4	106.4	111.1	122.4	134.5
120°	167.8	168.4	167.1	163.1	154.0	140.0	124.6	115.2	118.9	129.9	142.0
122.5°	182.8	182.6	181.0	176.5	165.8	151.2	136.1	124.6	126.1	136.4	148.2
125°	203.6	203.3	201.9	196.6	185.5	170.5	152.7	138.6	136.6	145.3	157.4
127.5°	223.4	222.7	220.6	214.1	202.8	188.3	168.8	152.8	148.4	153.8	164.9
130°	237.1	236.1	232.4	225.4	214.3	200.6	180.8	162.8	156.4	159.7	169.4
132.5°	250.2	247.3	244.2	236.6	226.4	212.1	192.1	173.2	164.4	165.9	173.5
135°	266.9	264.2	260.2	252.8	243.1	229.1	209.0	188.5	176.5	175.1	179.5
137.5°	281.6	278.8	274.2	267.8	258.1	245.5	226.2	204.7	189.5	185.0	186.7
140°	290.7	287.3	283.3	276.9	268.2	255.2	236.4	215.7	198.6	192.2	191.2
142.5°	298.2	295.6	291.3	285.5	277.9	264.8	246.6	226.1	208.0	199.7	197.4
145°	309.4	307.4	302.7	297.4	291.0	277.9	261.2	240.8	222.7	212.0	207.0
147.5°	318.9	317.3	313.6	307.4	302.0	289.5	274.2	256.1	237.6	224.3	217.8
150°	324.8	323.5	319.8	313.8	308.4	296.7	282.0	265.2	247.5	233.4	225.0
152.5°	330.5	329.1	324.9	318.9	314.3	303.4	290.0	274.1	256.0	242.0	233.3
155°	337.9	336.2	332.2	326.5	322.5	312.4	300.1	286.0	270.6	255.8	246.1
157.5°	343.8	341.7	338.0	333.1	328.8	319.5	308.8	296.6	283.2	269.1	259.2
160°	347.3	344.9	340.9	336.6	332.5	323.8	314.1	303.1	290.7	277.9	267.2
162.5°	349.7	347.6	342.8	339.0	335.5	327.6	318.4	308.4	297.4	286.3	276.3
165°	352.3	349.9	344.9	341.9	338.9	332.2	324.2	316.1	306.7	297.7	289.7
167.5°	352.5	350.6	345.5	342.6	340.4	334.6	328.1	322.0	314.7	307.6	300.9
170°	352.0	350.3	345.3	342.6	340.9	336.2	330.5	325.2	319.5	313.4	308.1
172.5°	350.1	348.4	343.7	341.5	340.6	336.5	331.9	327.8	323.0	318.5	314.3
175°	345.3	343.9	339.9	338.6	338.9	336.2	332.9	330.5	327.5	324.8	322.5
177.5°	338.2	337.4	334.5	334.5	335.5	333.9	332.9	331.8	330.5	329.7	328.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1428507

CATALOG NUMBER: SQ2W-WBM-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0
2.5°	2077.7	2077.9	2085.7	2091.2	2089.4	2087.6	2089.4	2091.2	2085.7	2077.9	2077.7
5°	2075.2	2077.2	2089.7	2098.7	2097.3	2096.0	2097.3	2098.7	2089.7	2077.2	2075.2
7.5°	2080.4	2081.9	2091.3	2097.9	2095.8	2093.8	2095.8	2097.9	2091.3	2081.9	2080.4
10°	2078.7	2078.9	2088.7	2095.7	2094.3	2093.0	2094.3	2095.7	2088.7	2078.9	2078.7
12.5°	2077.6	2074.6	2082.3	2087.2	2084.1	2081.0	2084.1	2087.2	2082.3	2074.6	2077.6
15°	2070.6	2061.0	2061.0	2059.9	2055.4	2051.0	2055.4	2059.9	2061.0	2061.0	2070.6
17.5°	2040.2	2024.0	2017.1	2010.6	2005.2	1999.8	2005.2	2010.6	2017.1	2024.0	2040.2
20°	2007.9	1987.4	1976.3	1967.4	1965.2	1963.0	1965.2	1967.4	1976.3	1987.4	2007.9
22.5°	1966.6	1944.5	1932.3	1922.3	1918.6	1915.0	1918.6	1922.3	1932.3	1944.5	1966.6
25°	1887.2	1866.6	1857.7	1849.8	1844.9	1840.0	1844.9	1849.8	1857.7	1866.6	1887.2
27.5°	1785.2	1764.9	1754.8	1745.5	1738.8	1732.0	1738.8	1745.5	1754.8	1764.9	1785.2
30°	1710.0	1691.3	1678.0	1665.3	1654.7	1644.0	1654.7	1665.3	1678.0	1691.3	1710.0
32.5°	1618.2	1601.3	1588.7	1577.1	1568.5	1560.0	1568.5	1577.1	1588.7	1601.3	1618.2
35°	1462.4	1448.7	1434.0	1420.8	1411.9	1403.0	1411.9	1420.8	1434.0	1448.7	1462.4
37.5°	1266.5	1255.6	1244.1	1233.2	1224.2	1215.2	1224.2	1233.2	1244.1	1255.6	1266.5
40°	1127.2	1114.6	1097.7	1084.4	1082.2	1080.0	1082.2	1084.4	1097.7	1114.6	1127.2
42.5°	976.8	964.5	951.5	939.2	928.8	918.4	928.8	939.2	951.5	964.5	976.8
45°	749.0	741.2	725.7	703.3	660.7	618.0	660.7	703.3	725.7	741.2	749.0
47.5°	518.9	508.3	462.1	414.4	362.6	310.8	362.6	414.4	462.1	508.3	518.9
50°	376.3	365.0	301.0	248.7	231.3	214.0	231.3	248.7	301.0	365.0	376.3
52.5°	277.7	272.4	218.3	175.5	166.4	157.2	166.4	175.5	218.3	272.4	277.7
55°	154.1	152.8	128.3	109.1	105.6	102.0	105.6	109.1	128.3	152.8	154.1
57.5°	89.5	89.5	81.0	73.2	67.6	62.0	67.6	73.2	81.0	89.5	89.5
60°	65.4	64.6	55.7	47.8	42.9	38.0	42.9	47.8	55.7	64.6	65.4
62.5°	51.6	51.0	43.9	38.2	36.5	34.8	36.5	38.2	43.9	51.0	51.6
65°	33.8	33.6	32.7	31.8	30.9	30.0	30.9	31.8	32.7	33.6	33.8
67.5°	28.6	28.4	28.3	28.0	27.2	26.4	27.2	28.0	28.3	28.4	28.6
70°	26.0	25.8	25.3	24.9	24.4	24.0	24.4	24.9	25.3	25.8	26.0
72.5°	23.0	22.8	22.7	22.4	21.6	20.8	21.6	22.4	22.7	22.8	23.0
75°	19.0	18.8	18.3	17.9	17.4	17.0	17.4	17.9	18.3	18.8	19.0
77.5°	14.6	14.4	14.4	14.3	13.8	13.4	13.8	14.3	14.4	14.4	14.6
80°	12.2	12.0	12.0	11.9	11.4	11.0	11.4	11.9	12.0	12.0	12.2
82.5°	9.6	9.6	9.6	9.5	9.0	8.6	9.0	9.5	9.6	9.6	9.6
85°	5.2	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.2
87.5°	3.3	3.6	4.1	4.3	4.6	4.5	4.6	4.3	4.1	3.6	3.3
90°	7.7	10.0	12.4	13.7	15.1	14.4	15.1	13.7	12.4	10.0	7.7
92.5°	15.5	19.4	22.3	24.7	25.8	25.7	25.8	24.7	22.3	19.4	15.5
95°	31.1	35.8	40.5	43.9	45.9	45.2	45.9	43.9	40.5	35.8	31.1
97.5°	48.0	54.3	59.5	62.7	64.7	66.0	64.7	62.7	59.5	54.3	48.0
100°	59.3	65.3	71.3	75.0	78.4	79.7	78.4	75.0	71.3	65.3	59.3
102.5°	68.4	76.3	82.8	86.8	89.6	91.0	89.6	86.8	82.8	76.3	68.4
105°	83.4	91.8	98.8	103.8	106.8	107.8	106.8	103.8	98.8	91.8	83.4
107.5°	98.4	107.0	113.5	119.1	122.8	124.9	122.8	119.1	113.5	107.0	98.4
110°	110.2	117.2	124.2	129.3	132.9	134.3	132.9	129.3	124.2	117.2	110.2



TEST NUMBER: P1428507

CATALOG NUMBER: SQ2W-WBM-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	120.1	127.9	135.0	140.0	144.2	146.1	144.2	140.0	135.0	127.9	120.1
115°	134.0	144.3	150.7	155.4	158.4	160.1	158.4	155.4	150.7	144.3	134.0
117.5°	145.5	156.3	163.3	166.9	168.3	169.5	168.3	166.9	163.3	156.3	145.5
120°	152.7	162.8	170.8	175.5	177.2	177.8	177.2	175.5	170.8	162.8	152.7
122.5°	159.4	168.9	176.7	182.4	185.2	185.9	185.2	182.4	176.7	168.9	159.4
125°	168.8	177.8	185.9	191.6	194.6	196.2	194.6	191.6	185.9	177.8	168.8
127.5°	176.9	186.7	194.1	199.3	202.2	203.5	202.2	199.3	194.1	186.7	176.9
130°	181.5	191.6	198.9	204.6	207.3	208.6	207.3	204.6	198.9	191.6	181.5
132.5°	185.0	195.6	203.2	208.4	211.3	212.6	211.3	208.4	203.2	195.6	185.0
135°	189.2	200.3	208.3	213.3	216.0	217.3	216.0	213.3	208.3	200.3	189.2
137.5°	192.9	202.9	211.3	216.6	219.0	219.9	219.0	216.6	211.3	202.9	192.9
140°	195.6	204.3	212.6	217.7	220.4	220.7	220.4	217.7	212.6	204.3	195.6
142.5°	199.1	205.9	213.2	218.2	220.9	221.5	220.9	218.2	213.2	205.9	199.1
145°	205.3	209.3	214.3	219.0	221.4	222.0	221.4	219.0	214.3	209.3	205.3
147.5°	213.1	214.4	217.0	220.1	222.4	222.8	222.4	220.1	217.0	214.4	213.1
150°	219.0	218.7	219.7	221.7	223.7	223.4	223.7	221.7	219.7	218.7	219.0
152.5°	225.7	223.8	223.7	224.6	225.6	225.5	225.6	224.6	223.7	223.8	225.7
155°	237.1	233.4	231.4	230.7	230.7	230.4	230.7	230.7	231.4	233.4	237.1
157.5°	249.6	244.5	241.4	239.8	239.4	238.6	239.4	239.8	241.4	244.5	249.6
160°	258.2	252.5	249.5	246.8	245.8	244.8	245.8	246.8	249.5	252.5	258.2
162.5°	266.2	260.8	257.5	255.1	254.1	252.6	254.1	255.1	257.5	260.8	266.2
165°	279.3	273.6	269.9	267.9	266.6	265.2	266.6	267.9	269.9	273.6	279.3
167.5°	292.3	286.1	283.7	281.4	280.2	277.7	280.2	281.4	283.7	286.1	292.3
170°	300.4	294.7	293.4	291.3	289.0	286.3	289.0	291.3	293.4	294.7	300.4
172.5°	307.4	303.5	302.2	300.2	299.4	297.3	299.4	300.2	302.2	303.5	307.4
175°	317.5	314.5	314.5	314.1	313.1	311.1	313.1	314.1	314.5	314.5	317.5
177.5°	325.9	324.3	325.4	325.4	325.1	323.2	325.1	325.4	325.4	324.3	325.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1428507

CATALOG NUMBER: SQ2W-WBM-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2086.0	2086.0	2086.0	2086.0
2.5°	2085.2	2091.4	2093.9	2096.4
5°	2083.7	2090.8	2093.9	2097.0
7.5°	2086.9	2092.1	2093.5	2094.8
10°	2088.0	2094.9	2094.4	2094.0
12.5°	2091.2	2100.5	2096.8	2093.2
15°	2089.7	2102.2	2095.1	2088.0
17.5°	2065.7	2082.7	2074.2	2065.8
20°	2037.7	2057.9	2049.4	2041.0
22.5°	1998.5	2020.1	2011.0	2001.8
25°	1919.7	1942.2	1935.1	1928.0
27.5°	1815.6	1837.4	1833.5	1829.6
30°	1734.0	1751.6	1749.8	1748.0
32.5°	1639.3	1654.8	1653.0	1651.2
35°	1475.3	1485.2	1486.1	1487.0
37.5°	1276.7	1284.1	1282.8	1281.6
40°	1135.7	1141.8	1140.9	1140.0
42.5°	988.5	993.9	980.5	967.2
45°	749.0	738.9	698.4	658.0
47.5°	493.9	463.7	417.6	371.6
50°	335.0	296.2	265.1	234.0
52.5°	234.2	197.6	181.8	166.0
55°	132.3	114.6	108.8	103.0
57.5°	81.0	73.1	67.2	61.2
60°	58.3	51.8	46.9	42.0
62.5°	45.5	40.5	38.4	36.4
65°	33.3	32.9	32.4	32.0
67.5°	28.9	29.1	28.6	28.2
70°	26.0	25.9	25.4	25.0
72.5°	23.3	23.5	23.0	22.6
75°	19.0	19.0	19.0	19.0
77.5°	15.1	15.3	14.8	14.4
80°	12.7	12.9	12.4	12.0
82.5°	9.7	9.8	9.7	9.6
85°	5.7	6.0	6.0	6.0
87.5°	3.3	3.0	2.4	1.8
90°	6.0	3.7	2.3	1.0
92.5°	13.0	9.0	6.4	3.7
95°	26.1	20.8	14.7	10.4
97.5°	41.6	33.0	27.0	19.8
100°	49.9	41.5	35.8	28.1
102.5°	59.0	52.0	44.1	36.4
105°	75.3	66.6	57.6	48.9
107.5°	90.5	80.9	70.1	62.2
110°	100.1	89.7	78.4	71.3



TEST NUMBER: P1428507

CATALOG NUMBER: SQ2W-WBM-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	109.5	98.9	87.2	80.2
115°	122.2	110.5	99.8	93.8
117.5°	134.5	122.4	111.1	106.4
120°	142.0	129.9	118.9	115.2
122.5°	148.2	136.4	126.1	124.6
125°	157.4	145.3	136.6	138.6
127.5°	164.9	153.8	148.4	152.8
130°	169.4	159.7	156.4	162.8
132.5°	173.5	165.9	164.4	173.2
135°	179.5	175.1	176.5	188.5
137.5°	186.7	185.0	189.5	204.7
140°	191.2	192.2	198.6	215.7
142.5°	197.4	199.7	208.0	226.1
145°	207.0	212.0	222.7	240.8
147.5°	217.8	224.3	237.6	256.1
150°	225.0	233.4	247.5	265.2
152.5°	233.3	242.0	256.0	274.1
155°	246.1	255.8	270.6	286.0
157.5°	259.2	269.1	283.2	296.6
160°	267.2	277.9	290.7	303.1
162.5°	276.3	286.3	297.4	308.4
165°	289.7	297.7	306.7	316.1
167.5°	300.9	307.6	314.7	322.0
170°	308.1	313.4	319.5	325.2
172.5°	314.3	318.5	323.0	327.8
175°	322.5	324.8	327.5	330.5
177.5°	328.9	329.7	330.5	331.8
180°	331.5	331.5	331.5	331.5



TEST NUMBER: P1428507  
 CATALOG NUMBER: SQ2W-WBM-K-025U-075D-L935-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	6.51	7.41	7.22	8.12	8.95	6.49	7.39	7.21	8.10	8.94
	3H	7.20	8.00	7.94	8.72	9.59	7.12	7.92	7.85	8.64	9.51
	4H	7.57	8.32	8.32	9.05	9.93	7.43	8.18	8.18	8.91	9.79
	6H	7.85	8.53	8.61	9.27	10.17	7.67	8.35	8.43	9.10	9.99
	8H	7.97	8.62	8.74	9.37	10.27	7.77	8.42	8.54	9.17	10.07
	12H	8.05	8.67	8.83	9.42	10.34	7.83	8.44	8.60	9.19	10.11
4H	2H	6.62	7.36	7.37	8.09	8.98	6.60	7.35	7.36	8.08	8.96
	3H	7.57	8.18	8.33	8.94	9.84	7.48	8.09	8.25	8.86	9.76
	4H	8.08	8.62	8.85	9.39	10.32	7.93	8.48	8.70	9.25	10.17
	6H	8.51	8.97	9.30	9.77	10.71	8.31	8.78	9.10	9.57	10.51
	8H	8.69	9.13	9.49	9.92	10.87	8.47	8.91	9.27	9.70	10.64
	12H	8.83	9.21	9.64	10.03	10.98	8.57	8.95	9.38	9.77	10.72
8H	4H	8.20	8.63	8.99	9.42	10.37	8.06	8.50	8.86	9.29	10.23
	6H	8.77	9.13	9.60	9.96	10.91	8.58	8.94	9.40	9.77	10.72
	8H	9.06	9.38	9.90	10.21	11.17	8.84	9.16	9.68	9.99	10.96
	12H	9.28	9.56	10.11	10.38	11.40	9.01	9.29	9.85	10.11	11.14
12H	4H	8.18	8.57	8.99	9.38	10.33	8.05	8.44	8.87	9.25	10.20
	6H	8.80	9.12	9.64	9.95	10.92	8.62	8.94	9.46	9.77	10.73
	8H	9.13	9.41	9.97	10.23	11.26	8.93	9.21	9.76	10.02	11.05