

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: P1428136

Luminaire Tested: SQ2W-PP3-K-150U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428136
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-150U-050D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

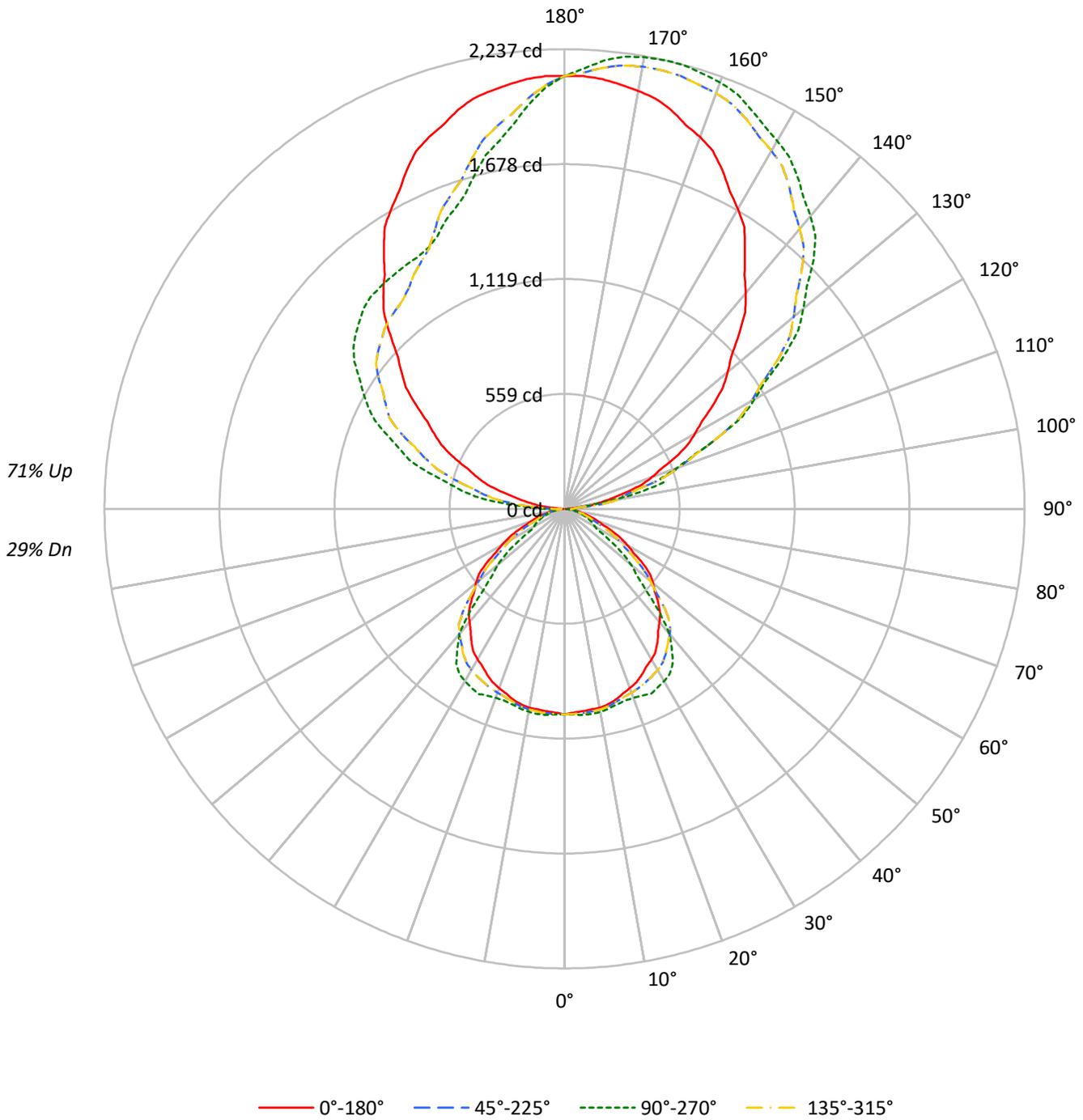
Lumens per Lamp: N/A
Luminaire Lumens: 8679.1 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 72.9
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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37	29
1	93	89	86	82	84	80	77	74	63	61	59	48	46	45	33	32	32	25
2	85	78	73	68	76	70	66	61	56	52	49	42	40	38	29	28	27	22
3	78	69	62	57	70	62	56	52	49	45	42	37	35	32	26	25	23	19
4	71	61	54	48	64	55	49	44	44	39	36	33	30	28	24	22	20	16
5	65	54	47	41	58	49	42	38	39	34	31	30	27	24	21	19	18	14
6	60	49	41	35	54	44	37	33	35	30	27	27	24	21	19	17	16	12
7	56	44	36	31	50	40	33	28	32	27	24	25	21	19	18	16	14	11
8	51	40	32	27	46	36	30	25	29	24	21	22	19	17	16	14	12	10
9	48	36	29	24	43	33	27	22	26	22	19	21	17	15	15	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16157	16157	16157	16157
5°	16029	16321	16029	16321
10°	16111	16441	16111	16441
15°	16072	16478	16072	16478
20°	15957	16811	15957	16811
25°	15866	17695	15866	17695
30°	15776	18063	15776	18063
35°	15553	18096	15553	18096
40°	15137	16720	15137	16720
45°	14684	12727	14684	12727
50°	14109	10602	14109	10602
55°	13131	7623	13131	7623
60°	11305	5464	11305	5464
65°	9536	5375	9536	5375
70°	7940	5146	7940	5146
75°	6731	4816	6731	4816
80°	5709	4324	5709	4324
85°	4502	2353	4502	2353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 16063 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	1.1
10°-20°	275.8	3.2
20°-30°	432.0	5.0
30°-40°	532.9	6.1
40°-50°	501.7	5.8
50°-60°	355.3	4.1
60°-70°	202.4	2.3
70°-80°	100.2	1.2
80°-90°	33.2	0.4
90°-100°	167.6	1.9
100°-110°	488.9	5.6
110°-120°	797.8	9.2
120°-130°	1012.4	11.7
130°-140°	1083.3	12.5
140°-150°	1011.5	11.7
150°-160°	832.4	9.6
160°-170°	558.2	6.4
170°-180°	198.2	2.3
0°-30°	803.1	9.3
0°-40°	1336.0	15.4
0°-60°	2193.0	25.3
0°-90°	2528.8	29.1
90°-120°	1454.3	16.8
90°-150°	4561.5	52.6
90°-180°	6150.0	70.9
0°-180°	8679.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1001	1001	1001	1001	1001	
5°	989	1007	989	1007	989	94
15°	962	986	962	986	962	271
25°	891	993	891	993	891	410
35°	789	918	789	918	789	492
45°	643	557	643	557	643	495
55°	466	271	466	271	466	412
65°	250	141	250	141	250	251
75°	108	77	108	77	108	117
85°	24	13	24	13	24	29
90°	6	47	6	92	6	6
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	993.0	999.4	1005.8	1004.3	1000.2	998.5	999.2	1000.0	1000.7	1001.5	1000.7
5°	989.0	997.0	1005.0	1003.8	999.6	998.0	998.9	1000.4	1003.7	1007.0	1003.7
7.5°	985.2	993.4	1001.6	1000.5	996.4	995.1	996.7	998.9	1003.0	1007.0	1003.0
10°	982.7	989.7	996.8	995.7	992.0	991.3	993.6	996.2	999.5	1002.8	999.5
12.5°	975.1	981.7	988.4	987.5	984.2	984.0	987.1	990.2	993.1	996.0	993.1
15°	961.5	967.6	973.7	973.9	972.0	973.2	977.4	981.1	983.5	985.8	983.5
17.5°	943.1	950.5	958.0	959.7	959.5	962.4	968.4	973.6	976.0	978.4	976.0
20°	928.7	937.7	946.6	949.5	950.5	954.7	962.2	969.0	973.7	978.4	973.7
22.5°	913.5	923.9	934.4	938.2	939.9	946.4	957.7	968.2	976.3	984.4	976.3
25°	890.6	901.0	911.3	918.9	925.4	937.0	953.4	968.8	981.0	993.3	981.0
27.5°	864.0	874.2	884.5	897.4	911.2	927.4	945.9	962.2	971.9	981.6	971.9
30°	846.2	856.1	866.0	880.8	897.2	915.1	934.4	951.1	960.0	968.9	960.0
32.5°	824.2	834.5	844.7	860.5	878.0	897.2	918.0	935.6	943.8	952.0	943.8
35°	789.1	799.0	808.8	827.2	848.3	869.7	891.4	908.7	913.4	918.1	913.4
37.5°	748.7	759.9	771.1	791.6	815.3	833.2	845.4	854.5	854.8	855.1	854.8
40°	718.2	732.8	747.4	767.9	790.5	803.0	805.3	805.6	799.4	793.3	799.4
42.5°	688.6	707.3	726.0	742.6	758.4	761.6	752.3	738.5	711.3	684.2	711.3
45°	643.1	665.2	687.3	697.4	703.5	682.9	635.4	595.1	576.3	557.4	576.3
47.5°	594.7	616.5	638.3	635.5	624.5	593.2	541.6	499.6	486.6	473.7	486.6
50°	561.7	582.4	603.0	588.1	561.3	526.1	482.3	446.5	434.3	422.1	434.3
52.5°	524.4	542.9	561.3	538.8	502.6	465.4	427.3	394.1	375.5	356.9	375.5
55°	466.5	479.2	491.9	467.2	430.0	389.1	344.5	306.5	288.7	270.8	288.7
57.5°	396.7	405.6	414.5	395.1	366.2	325.6	273.1	228.8	208.7	188.7	208.7
60°	350.1	357.2	364.2	346.6	320.7	282.0	230.2	189.0	179.1	169.2	179.1
62.5°	307.8	314.1	320.4	302.0	275.4	240.8	198.1	165.2	161.7	158.2	161.7
65°	249.6	255.7	261.9	242.6	214.8	187.8	161.5	141.6	141.2	140.7	141.2
67.5°	198.7	205.3	212.0	193.9	167.4	147.5	133.9	123.6	123.1	122.5	123.1
70°	168.2	175.2	182.3	165.4	140.4	124.2	116.7	110.8	109.9	109.0	109.9
72.5°	142.8	149.5	156.2	141.4	119.5	106.1	101.2	97.4	96.8	96.3	96.8
75°	107.9	113.1	118.2	107.5	91.6	82.4	80.0	78.2	77.7	77.2	77.7
77.5°	78.3	81.6	84.9	77.9	67.4	61.6	60.4	59.3	58.9	58.4	58.9
80°	61.4	62.8	64.2	59.2	52.2	48.4	48.0	47.5	47.0	46.5	47.0
82.5°	46.1	45.6	45.2	42.3	38.6	36.6	36.1	35.5	34.7	33.8	34.7
85°	24.3	23.4	22.4	21.5	20.6	19.2	17.3	15.5	14.1	12.7	14.1
87.5°	8.9	10.6	12.7	13.0	12.4	11.7	11.3	11.5	11.9	11.9	11.9
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	1000.0	999.2	998.5	1000.2	1004.3	1005.8	999.4	993.0	999.4	1005.8	1004.3
5°	1000.4	998.9	998.0	999.6	1003.8	1005.0	997.0	989.0	997.0	1005.0	1003.8
7.5°	998.9	996.7	995.1	996.4	1000.5	1001.6	993.4	985.2	993.4	1001.6	1000.5
10°	996.2	993.6	991.3	992.0	995.7	996.8	989.7	982.7	989.7	996.8	995.7
12.5°	990.2	987.1	984.0	984.2	987.5	988.4	981.7	975.1	981.7	988.4	987.5
15°	981.1	977.4	973.2	972.0	973.9	973.7	967.6	961.5	967.6	973.7	973.9
17.5°	973.6	968.4	962.4	959.5	959.7	958.0	950.5	943.1	950.5	958.0	959.7
20°	969.0	962.2	954.7	950.5	949.5	946.6	937.7	928.7	937.7	946.6	949.5
22.5°	968.2	957.7	946.4	939.9	938.2	934.4	923.9	913.5	923.9	934.4	938.2
25°	968.8	953.4	937.0	925.4	918.9	911.3	901.0	890.6	901.0	911.3	918.9
27.5°	962.2	945.9	927.4	911.2	897.4	884.5	874.2	864.0	874.2	884.5	897.4
30°	951.1	934.4	915.1	897.2	880.8	866.0	856.1	846.2	856.1	866.0	880.8
32.5°	935.6	918.0	897.2	878.0	860.5	844.7	834.5	824.2	834.5	844.7	860.5
35°	908.7	891.4	869.7	848.3	827.2	808.8	799.0	789.1	799.0	808.8	827.2
37.5°	854.5	845.4	833.2	815.3	791.6	771.1	759.9	748.7	759.9	771.1	791.6
40°	805.6	805.3	803.0	790.5	767.9	747.4	732.8	718.2	732.8	747.4	767.9
42.5°	738.5	752.3	761.6	758.4	742.6	726.0	707.3	688.6	707.3	726.0	742.6
45°	595.1	635.4	682.9	703.5	697.4	687.3	665.2	643.1	665.2	687.3	697.4
47.5°	499.6	541.6	593.2	624.5	635.5	638.3	616.5	594.7	616.5	638.3	635.5
50°	446.5	482.3	526.1	561.3	588.1	603.0	582.4	561.7	582.4	603.0	588.1
52.5°	394.1	427.3	465.4	502.6	538.8	561.3	542.9	524.4	542.9	561.3	538.8
55°	306.5	344.5	389.1	430.0	467.2	491.9	479.2	466.5	479.2	491.9	467.2
57.5°	228.8	273.1	325.6	366.2	395.1	414.5	405.6	396.7	405.6	414.5	395.1
60°	189.0	230.2	282.0	320.7	346.6	364.2	357.2	350.1	357.2	364.2	346.6
62.5°	165.2	198.1	240.8	275.4	302.0	320.4	314.1	307.8	314.1	320.4	302.0
65°	141.6	161.5	187.8	214.8	242.6	261.9	255.7	249.6	255.7	261.9	242.6
67.5°	123.6	133.9	147.5	167.4	193.9	212.0	205.3	198.7	205.3	212.0	193.9
70°	110.8	116.7	124.2	140.4	165.4	182.3	175.2	168.2	175.2	182.3	165.4
72.5°	97.4	101.2	106.1	119.5	141.4	156.2	149.5	142.8	149.5	156.2	141.4
75°	78.2	80.0	82.4	91.6	107.5	118.2	113.1	107.9	113.1	118.2	107.5
77.5°	59.3	60.4	61.6	67.4	77.9	84.9	81.6	78.3	81.6	84.9	77.9
80°	47.5	48.0	48.4	52.2	59.2	64.2	62.8	61.4	62.8	64.2	59.2
82.5°	35.5	36.1	36.6	38.6	42.3	45.2	45.6	46.1	45.6	45.2	42.3
85°	15.5	17.3	19.2	20.6	21.5	22.4	23.4	24.3	23.4	22.4	21.5
87.5°	11.5	11.3	11.7	12.4	13.0	12.7	10.6	8.9	10.6	12.3	13.9
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2



TEST NUMBER: P1428136

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428136

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	1000.2	998.5	999.2	1000.0	1000.7	1001.5	1000.7	1000.0	999.2	998.5	1000.2
5°	999.6	998.0	998.9	1000.4	1003.7	1007.0	1003.7	1000.4	998.9	998.0	999.6
7.5°	996.4	995.1	996.7	998.9	1003.0	1007.0	1003.0	998.9	996.7	995.1	996.4
10°	992.0	991.3	993.6	996.2	999.5	1002.8	999.5	996.2	993.6	991.3	992.0
12.5°	984.2	984.0	987.1	990.2	993.1	996.0	993.1	990.2	987.1	984.0	984.2
15°	972.0	973.2	977.4	981.1	983.5	985.8	983.5	981.1	977.4	973.2	972.0
17.5°	959.5	962.4	968.4	973.6	976.0	978.4	976.0	973.6	968.4	962.4	959.5
20°	950.5	954.7	962.2	969.0	973.7	978.4	973.7	969.0	962.2	954.7	950.5
22.5°	939.9	946.4	957.7	968.2	976.3	984.4	976.3	968.2	957.7	946.4	939.9
25°	925.4	937.0	953.4	968.8	981.0	993.3	981.0	968.8	953.4	937.0	925.4
27.5°	911.2	927.4	945.9	962.2	971.9	981.6	971.9	962.2	945.9	927.4	911.2
30°	897.2	915.1	934.4	951.1	960.0	968.9	960.0	951.1	934.4	915.1	897.2
32.5°	878.0	897.2	918.0	935.6	943.8	952.0	943.8	935.6	918.0	897.2	878.0
35°	848.3	869.7	891.4	908.7	913.4	918.1	913.4	908.7	891.4	869.7	848.3
37.5°	815.3	833.2	845.4	854.5	854.8	855.1	854.8	854.5	845.4	833.2	815.3
40°	790.5	803.0	805.3	805.6	799.4	793.3	799.4	805.6	805.3	803.0	790.5
42.5°	758.4	761.6	752.3	738.5	711.3	684.2	711.3	738.5	752.3	761.6	758.4
45°	703.5	682.9	635.4	595.1	576.3	557.4	576.3	595.1	635.4	682.9	703.5
47.5°	624.5	593.2	541.6	499.6	486.6	473.7	486.6	499.6	541.6	593.2	624.5
50°	561.3	526.1	482.3	446.5	434.3	422.1	434.3	446.5	482.3	526.1	561.3
52.5°	502.6	465.4	427.3	394.1	375.5	356.9	375.5	394.1	427.3	465.4	502.6
55°	430.0	389.1	344.5	306.5	288.7	270.8	288.7	306.5	344.5	389.1	430.0
57.5°	366.2	325.6	273.1	228.8	208.7	188.7	208.7	228.8	273.1	325.6	366.2
60°	320.7	282.0	230.2	189.0	179.1	169.2	179.1	189.0	230.2	282.0	320.7
62.5°	275.4	240.8	198.1	165.2	161.7	158.2	161.7	165.2	198.1	240.8	275.4
65°	214.8	187.8	161.5	141.6	141.2	140.7	141.2	141.6	161.5	187.8	214.8
67.5°	167.4	147.5	133.9	123.6	123.1	122.5	123.1	123.6	133.9	147.5	167.4
70°	140.4	124.2	116.7	110.8	109.9	109.0	109.9	110.8	116.7	124.2	140.4
72.5°	119.5	106.1	101.2	97.4	96.8	96.3	96.8	97.4	101.2	106.1	119.5
75°	91.6	82.4	80.0	78.2	77.7	77.2	77.7	78.2	80.0	82.4	91.6
77.5°	67.4	61.6	60.4	59.3	58.9	58.4	58.9	59.3	60.4	61.6	67.4
80°	52.2	48.4	48.0	47.5	47.0	46.5	47.0	47.5	48.0	48.4	52.2
82.5°	38.6	36.6	36.1	35.5	34.7	33.8	34.7	35.5	36.1	36.6	38.6
85°	20.6	19.2	17.3	15.5	14.1	12.7	14.1	15.5	17.3	19.2	20.6
87.5°	14.1	16.0	18.6	20.0	21.7	20.8	21.7	20.0	18.6	16.0	14.1
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



TEST NUMBER: P1428136

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428136

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1000.7	1000.7	1000.7	1000.7
2.5°	1004.3	1005.8	999.4	993.0
5°	1003.8	1005.0	997.0	989.0
7.5°	1000.5	1001.6	993.4	985.2
10°	995.7	996.8	989.7	982.7
12.5°	987.5	988.4	981.7	975.1
15°	973.9	973.7	967.6	961.5
17.5°	959.7	958.0	950.5	943.1
20°	949.5	946.6	937.7	928.7
22.5°	938.2	934.4	923.9	913.5
25°	918.9	911.3	901.0	890.6
27.5°	897.4	884.5	874.2	864.0
30°	880.8	866.0	856.1	846.2
32.5°	860.5	844.7	834.5	824.2
35°	827.2	808.8	799.0	789.1
37.5°	791.6	771.1	759.9	748.7
40°	767.9	747.4	732.8	718.2
42.5°	742.6	726.0	707.3	688.6
45°	697.4	687.3	665.2	643.1
47.5°	635.5	638.3	616.5	594.7
50°	588.1	603.0	582.4	561.7
52.5°	538.8	561.3	542.9	524.4
55°	467.2	491.9	479.2	466.5
57.5°	395.1	414.5	405.6	396.7
60°	346.6	364.2	357.2	350.1
62.5°	302.0	320.4	314.1	307.8
65°	242.6	261.9	255.7	249.6
67.5°	193.9	212.0	205.3	198.7
70°	165.4	182.3	175.2	168.2
72.5°	141.4	156.2	149.5	142.8
75°	107.5	118.2	113.1	107.9
77.5°	77.9	84.9	81.6	78.3
80°	59.2	64.2	62.8	61.4
82.5°	42.3	45.2	45.6	46.1
85°	21.5	22.4	23.4	24.3
87.5°	13.9	12.3	10.6	8.9
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



TEST NUMBER: P1428136

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428136
 CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L940-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	14.76	15.45	15.89	16.56	18.10	10.53	11.22	11.66	12.33	13.88
	3H	15.81	16.42	16.94	17.54	19.10	11.83	12.44	12.96	13.56	15.12
	4H	16.17	16.75	17.31	17.87	19.44	12.38	12.96	13.52	14.08	15.65
	6H	16.35	16.89	17.50	18.01	19.59	12.73	13.27	13.88	14.39	15.97
	8H	16.41	16.92	17.56	18.06	19.63	12.86	13.37	14.01	14.50	16.07
	12H	16.43	16.91	17.58	18.04	19.63	12.89	13.37	14.04	14.50	16.09
4H	2H	14.86	15.44	16.01	16.56	18.13	11.42	12.00	12.57	13.12	14.69
	3H	16.14	16.62	17.29	17.77	19.34	12.83	13.31	13.98	14.46	16.03
	4H	16.64	17.08	17.79	18.22	19.81	13.44	13.88	14.60	15.02	16.62
	6H	16.94	17.32	18.10	18.48	20.07	13.88	14.26	15.04	15.42	17.00
	8H	17.05	17.40	18.21	18.55	20.16	14.04	14.40	15.20	15.55	17.15
	12H	17.09	17.41	18.26	18.57	20.18	14.09	14.41	15.26	15.57	17.18
8H	4H	16.64	17.00	17.80	18.15	19.75	13.74	14.09	14.90	15.24	16.85
	6H	17.05	17.34	18.23	18.54	20.14	14.29	14.58	15.47	15.78	17.38
	8H	17.23	17.48	18.42	18.66	20.28	14.54	14.79	15.72	15.97	17.59
	12H	17.32	17.54	18.51	18.71	20.37	14.63	14.86	15.82	16.02	17.68
12H	4H	16.60	16.92	17.77	18.08	19.69	13.74	14.06	14.92	15.23	16.83
	6H	17.04	17.30	18.23	18.47	20.09	14.36	14.61	15.54	15.78	17.40
	8H	17.23	17.46	18.42	18.62	20.28	14.62	14.85	15.81	16.02	17.67