

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: P1427966

Luminaire Tested: SQ2W-PH1-K-150U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427966
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-150U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

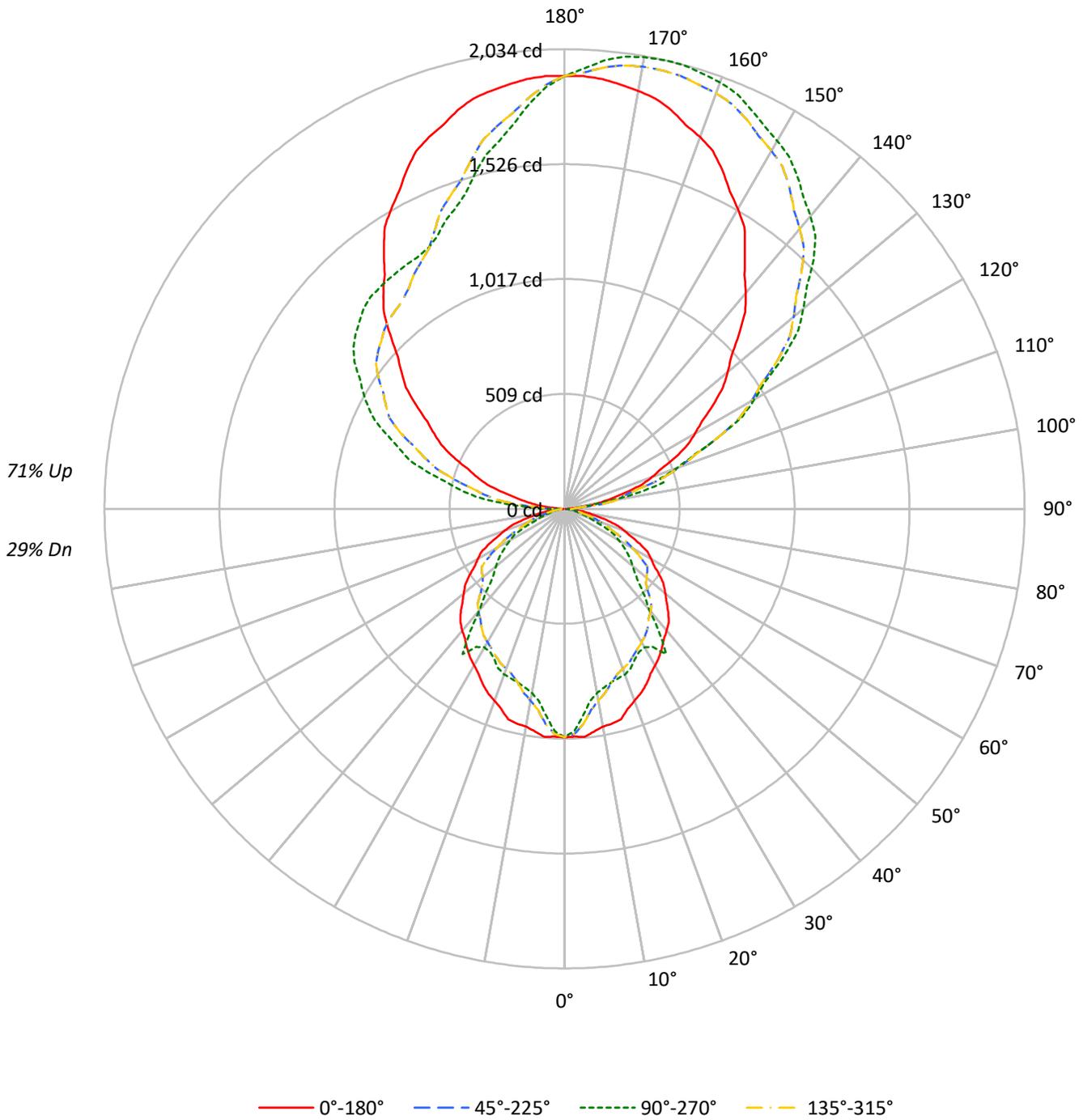
Lumens per Lamp: N/A
Luminaire Lumens: 7835.3 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 72.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36	29
1	93	89	85	82	83	80	77	74	63	61	59	47	46	44	32	32	31	24
2	85	78	72	67	76	70	65	61	55	52	49	41	39	37	29	27	26	21
3	77	68	61	56	69	61	55	51	48	44	41	36	34	31	25	24	22	17
4	71	60	53	47	63	54	48	43	43	38	35	32	29	27	23	21	19	15
5	65	54	46	40	58	48	42	37	38	34	30	29	26	23	20	18	17	13
6	60	48	40	35	53	43	37	32	34	30	26	26	23	20	18	16	15	11
7	55	43	36	30	49	39	32	28	31	26	23	24	20	18	17	15	13	10
8	51	39	32	27	45	35	29	24	28	23	20	22	18	16	15	13	12	9
9	47	36	28	23	42	32	26	22	26	21	18	20	17	14	14	12	11	8
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	10	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16322	16322	16322	16322
5°	16415	14917	16415	14917
10°	16037	13562	16037	13562
15°	16108	13295	16108	13295
20°	15534	13402	15534	13402
25°	15249	13090	15249	13090
30°	14918	13198	14918	13198
35°	14806	15468	14806	15468
40°	14819	12264	14819	12264
45°	14823	10563	14823	10563
50°	14616	9904	14616	9904
55°	14429	9503	14429	9503
60°	14286	8912	14286	8912
65°	14036	7752	14036	7752
70°	13256	5537	13256	5537
75°	11821	4198	11821	4198
80°	9660	3933	9660	3933
85°	6058	2668	6058	2668

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14823 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	1.1
10°-20°	234.0	3.0
20°-30°	343.0	4.4
30°-40°	415.3	5.3
40°-50°	408.4	5.2
50°-60°	355.3	4.5
60°-70°	247.1	3.2
70°-80°	117.2	1.5
80°-90°	33.8	0.4
90°-100°	152.4	1.9
100°-110°	444.5	5.7
110°-120°	725.4	9.3
120°-130°	920.5	11.7
130°-140°	985.0	12.6
140°-150°	919.8	11.7
150°-160°	756.8	9.7
160°-170°	507.6	6.5
170°-180°	180.2	2.3
0°-30°	665.9	8.5
0°-40°	1081.3	13.8
0°-60°	1845.0	23.5
0°-90°	2243.0	28.6
90°-120°	1322.4	16.9
90°-150°	4147.7	52.9
90°-180°	5592.0	71.4
0°-180°	7835.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1011	1011	1011	1011	1011	
5°	1013	920	1013	920	1013	95
15°	964	795	964	795	964	269
25°	856	735	856	735	856	394
35°	751	785	751	785	751	471
45°	649	463	649	463	649	499
55°	513	338	513	338	513	458
65°	367	203	367	203	367	361
75°	190	67	190	67	190	201
85°	33	14	33	14	33	44
90°	6	43	6	83	6	6
95°	60	44	60	261	60	72
105°	282	453	282	623	282	300
115°	542	751	542	925	542	534
125°	801	1190	801	1134	801	717
135°	1089	1557	1089	1256	1089	842
145°	1391	1795	1391	1283	1391	870
155°	1652	1950	1652	1331	1652	759
165°	1826	2033	1826	1532	1826	514
175°	1910	1991	1910	1797	1910	181
180°	1915	1915	1915	1915	1915	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9
2.5°	1008.5	1013.3	1018.1	1011.4	1000.8	993.4	989.3	986.1	985.4	984.7	985.4
5°	1012.8	1012.4	1011.9	991.9	965.4	945.6	932.3	922.2	921.3	920.4	921.3
7.5°	994.3	981.1	967.8	941.0	909.6	886.6	872.0	860.8	860.2	859.5	860.2
10°	978.2	958.1	938.0	907.6	873.9	850.3	837.1	827.2	827.2	827.2	827.2
12.5°	974.3	942.6	910.9	877.6	843.8	822.0	812.2	805.4	807.4	809.5	807.4
15°	963.7	915.9	868.0	834.2	805.1	789.3	786.8	786.0	790.7	795.4	790.7
17.5°	928.7	877.2	825.6	795.9	773.5	765.1	770.5	776.0	781.5	786.9	781.5
20°	904.1	853.2	802.4	774.9	755.2	750.5	760.8	769.8	774.9	780.0	774.9
22.5°	883.3	831.8	780.2	755.9	740.7	738.7	750.0	759.2	761.9	764.6	761.9
25°	856.0	797.9	739.7	722.0	717.7	720.5	730.3	737.4	736.1	734.8	736.1
27.5°	823.3	762.6	701.9	690.5	695.6	701.1	707.1	711.7	712.5	713.3	712.5
30°	800.2	739.5	678.8	669.7	677.9	684.9	690.9	696.8	702.3	707.9	702.3
32.5°	777.9	715.2	652.4	645.9	658.1	671.3	685.5	699.3	712.1	724.8	712.1
35°	751.2	685.8	620.4	615.2	630.2	649.4	672.9	701.0	742.9	784.8	742.9
37.5°	723.1	653.0	582.9	580.5	600.8	621.1	641.3	659.9	673.2	686.5	673.2
40°	703.1	629.6	556.0	555.9	580.3	605.5	631.6	643.4	612.7	581.9	612.7
42.5°	681.5	608.0	534.5	532.3	554.0	581.7	615.7	628.1	576.2	524.2	576.2
45°	649.2	572.7	496.2	493.4	515.2	530.6	539.6	537.0	499.8	462.6	499.8
47.5°	611.1	538.2	465.3	464.7	488.2	489.9	469.8	451.1	436.6	422.0	436.6
50°	581.9	513.1	444.2	447.2	474.2	471.6	439.5	413.1	403.7	394.3	403.7
52.5°	553.4	488.0	422.6	430.6	463.0	457.8	415.2	381.6	375.3	368.9	375.3
55°	512.6	449.8	387.0	404.9	449.8	443.0	384.4	340.2	338.9	337.6	338.9
57.5°	469.4	409.9	350.5	363.0	399.4	392.2	341.4	303.9	306.1	308.4	306.1
60°	442.4	384.7	327.0	328.6	350.0	343.2	308.1	281.2	278.6	276.0	278.6
62.5°	414.0	359.0	304.0	296.0	303.7	295.7	271.9	253.5	250.9	248.3	250.9
65°	367.4	317.4	267.4	252.3	248.9	237.4	217.7	202.9	202.9	202.9	202.9
67.5°	316.2	272.6	229.0	212.2	204.2	192.8	177.8	164.0	153.8	143.5	153.8
70°	280.8	242.4	203.9	186.3	175.6	161.9	145.2	131.0	124.2	117.3	124.2
72.5°	243.1	210.1	177.1	159.1	146.0	132.7	119.1	106.9	99.0	91.2	99.0
75°	189.5	163.0	136.5	118.9	104.4	90.9	78.5	69.0	68.2	67.3	68.2
77.5°	137.0	117.6	98.3	84.1	71.6	62.3	56.0	51.4	51.5	51.6	51.5
80°	103.9	89.3	74.8	61.6	48.7	42.1	41.7	41.5	41.9	42.3	41.9
82.5°	73.1	62.3	51.6	43.1	35.4	31.8	32.4	32.9	33.0	33.1	33.0
85°	32.7	27.6	22.4	20.5	19.7	18.4	16.7	15.3	14.9	14.4	14.9
87.5°	8.1	9.3	10.9	11.6	11.7	11.6	11.6	12.0	12.4	12.4	12.4
90°	5.8	13.5	23.2	31.0	36.8	38.7	38.7	40.6	42.6	42.6	42.6
92.5°	21.3	33.7	34.0	34.0	41.4	44.9	48.0	48.4	50.3	50.3	50.3
95°	60.0	65.8	98.7	96.7	65.8	52.2	44.5	44.5	44.5	44.5	44.5
97.5°	114.5	123.0	128.5	172.2	181.9	175.7	143.2	120.3	107.6	101.8	107.6
100°	162.5	166.4	178.0	179.9	228.3	274.7	251.5	222.5	212.8	207.0	212.8
102.5°	210.5	212.8	230.6	238.7	250.0	276.3	356.7	347.8	341.3	340.1	341.3
105°	282.5	284.4	317.3	332.8	340.5	340.5	338.6	377.3	439.2	452.7	439.2
107.5°	359.5	368.4	407.0	448.4	457.3	459.7	449.6	443.8	441.5	443.0	441.5
110°	412.1	425.6	472.1	524.3	537.8	541.7	537.8	532.0	528.2	528.2	528.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	463.2	482.9	535.5	595.5	618.3	629.9	621.4	617.2	613.3	616.4	613.3
115°	541.7	570.7	640.4	702.3	748.7	754.5	752.6	752.6	750.6	750.6	750.6
117.5°	614.4	660.9	739.0	811.0	864.8	880.3	888.0	885.7	883.4	887.2	883.4
120°	665.5	719.7	808.7	889.9	942.2	965.4	973.1	969.3	973.1	969.3	973.1
122.5°	719.7	786.2	873.7	958.0	1019.6	1045.9	1055.2	1055.9	1056.7	1054.4	1056.7
125°	800.9	882.2	984.7	1071.8	1135.6	1166.6	1174.3	1176.3	1180.1	1189.8	1180.1
127.5°	883.0	975.1	1087.7	1171.6	1237.0	1274.5	1286.5	1290.8	1298.9	1303.2	1298.9
130°	940.2	1044.7	1158.8	1238.2	1302.0	1342.6	1363.9	1369.7	1379.4	1377.5	1379.4
132.5°	1000.6	1109.7	1225.4	1307.8	1367.0	1410.7	1428.9	1445.6	1449.0	1451.8	1449.0
135°	1089.2	1207.2	1323.3	1404.5	1460.7	1503.2	1526.4	1541.9	1551.6	1557.4	1551.6
137.5°	1182.5	1307.0	1418.5	1490.8	1547.3	1584.1	1610.4	1626.6	1636.7	1641.3	1636.7
140°	1245.9	1365.9	1474.2	1549.6	1599.9	1636.7	1659.9	1679.3	1690.9	1690.9	1690.9
142.5°	1306.3	1424.7	1529.9	1605.4	1649.5	1683.1	1707.9	1722.6	1735.8	1735.8	1735.8
145°	1391.0	1509.0	1605.8	1681.2	1718.0	1748.9	1776.0	1787.6	1795.3	1795.3	1795.3
147.5°	1479.6	1584.1	1672.3	1744.7	1775.6	1812.0	1833.3	1842.6	1852.2	1848.0	1852.2
150°	1532.2	1629.0	1714.1	1781.8	1812.8	1847.6	1868.9	1876.6	1886.3	1880.5	1886.3
152.5°	1583.3	1675.4	1752.8	1815.9	1842.2	1877.0	1901.4	1909.1	1915.7	1911.4	1915.7
155°	1652.2	1733.4	1805.0	1863.1	1886.3	1919.2	1942.4	1952.1	1959.8	1950.1	1959.8
157.5°	1713.7	1783.7	1846.0	1899.4	1924.2	1952.4	1974.1	1986.1	1993.8	1989.6	1993.8
160°	1750.8	1814.7	1870.8	1921.1	1944.3	1969.5	1992.7	2006.2	2014.0	2008.2	2014.0
162.5°	1781.8	1839.5	1892.5	1938.1	1958.2	1980.3	2008.2	2020.2	2027.9	2020.5	2027.9
165°	1826.3	1872.7	1919.2	1957.9	1975.3	1992.7	2021.7	2035.2	2041.0	2033.3	2041.0
167.5°	1860.0	1895.6	1933.1	1966.4	1979.1	1996.2	2025.2	2036.4	2043.8	2034.1	2043.8
170°	1878.5	1909.5	1942.4	1969.5	1979.1	1994.6	2023.6	2033.3	2039.1	2029.4	2039.1
172.5°	1894.0	1917.2	1943.9	1967.9	1972.9	1985.3	2012.8	2022.5	2026.7	2018.6	2026.7
175°	1909.5	1923.0	1942.4	1957.9	1955.9	1963.7	1986.9	1994.6	2002.4	1990.7	2002.4
177.5°	1916.8	1923.0	1929.2	1938.5	1932.3	1932.3	1949.3	1954.0	1955.5	1949.3	1955.5
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9
2.5°	986.1	989.3	993.4	1000.8	1011.4	1018.1	1013.3	1008.5	1013.3	1018.1	1011.4
5°	922.2	932.3	945.6	965.4	991.9	1011.9	1012.4	1012.8	1012.4	1011.9	991.9
7.5°	860.8	872.0	886.6	909.6	941.0	967.8	981.1	994.3	981.1	967.8	941.0
10°	827.2	837.1	850.3	873.9	907.6	938.0	958.1	978.2	958.1	938.0	907.6
12.5°	805.4	812.2	822.0	843.8	877.6	910.9	942.6	974.3	942.6	910.9	877.6
15°	786.0	786.8	789.3	805.1	834.2	868.0	915.9	963.7	915.9	868.0	834.2
17.5°	776.0	770.5	765.1	773.5	795.9	825.6	877.2	928.7	877.2	825.6	795.9
20°	769.8	760.8	750.5	755.2	774.9	802.4	853.2	904.1	853.2	802.4	774.9
22.5°	759.2	750.0	738.7	740.7	755.9	780.2	831.8	883.3	831.8	780.2	755.9
25°	737.4	730.3	720.5	717.7	722.0	739.7	797.9	856.0	797.9	739.7	722.0
27.5°	711.7	707.1	701.1	695.6	690.5	701.9	762.6	823.3	762.6	701.9	690.5
30°	696.8	690.9	684.9	677.9	669.7	678.8	739.5	800.2	739.5	678.8	669.7
32.5°	699.3	685.5	671.3	658.1	645.9	652.4	715.2	777.9	715.2	652.4	645.9
35°	701.0	672.9	649.4	630.2	615.2	620.4	685.8	751.2	685.8	620.4	615.2
37.5°	659.9	641.3	621.1	600.8	580.5	582.9	653.0	723.1	653.0	582.9	580.5
40°	643.4	631.6	605.5	580.3	555.9	556.0	629.6	703.1	629.6	556.0	555.9
42.5°	628.1	615.7	581.7	554.0	532.3	534.5	608.0	681.5	608.0	534.5	532.3
45°	537.0	539.6	530.6	515.2	493.4	496.2	572.7	649.2	572.7	496.2	493.4
47.5°	451.1	469.8	489.9	488.2	464.7	465.3	538.2	611.1	538.2	465.3	464.7
50°	413.1	439.5	471.6	474.2	447.2	444.2	513.1	581.9	513.1	444.2	447.2
52.5°	381.6	415.2	457.8	463.0	430.6	422.6	488.0	553.4	488.0	422.6	430.6
55°	340.2	384.4	443.0	449.8	404.9	387.0	449.8	512.6	449.8	387.0	404.9
57.5°	303.9	341.4	392.2	399.4	363.0	350.5	409.9	469.4	409.9	350.5	363.0
60°	281.2	308.1	343.2	350.0	328.6	327.0	384.7	442.4	384.7	327.0	328.6
62.5°	253.5	271.9	295.7	303.7	296.0	304.0	359.0	414.0	359.0	304.0	296.0
65°	202.9	217.7	237.4	248.9	252.3	267.4	317.4	367.4	317.4	267.4	252.3
67.5°	164.0	177.8	192.8	204.2	212.2	229.0	272.6	316.2	272.6	229.0	212.2
70°	131.0	145.2	161.9	175.6	186.3	203.9	242.4	280.8	242.4	203.9	186.3
72.5°	106.9	119.1	132.7	146.0	159.1	177.1	210.1	243.1	210.1	177.1	159.1
75°	69.0	78.5	90.9	104.4	118.9	136.5	163.0	189.5	163.0	136.5	118.9
77.5°	51.4	56.0	62.3	71.6	84.1	98.3	117.6	137.0	117.6	98.3	84.1
80°	41.5	41.7	42.1	48.7	61.6	74.8	89.3	103.9	89.3	74.8	61.6
82.5°	32.9	32.4	31.8	35.4	43.1	51.6	62.3	73.1	62.3	51.6	43.1
85°	15.3	16.7	18.4	19.7	20.5	22.4	27.6	32.7	27.6	22.4	20.5
87.5°	12.0	11.6	11.6	11.7	11.6	10.9	9.3	8.1	9.3	10.5	12.4
90°	40.6	38.7	38.7	36.8	31.0	23.2	13.5	5.8	13.5	21.3	34.8
92.5°	48.4	48.0	44.9	41.4	34.0	34.0	33.7	21.3	36.8	52.2	75.1
95°	44.5	44.5	52.2	65.8	96.7	98.7	65.8	60.0	85.1	119.9	150.9
97.5°	120.3	143.2	175.7	181.9	172.2	128.5	123.0	114.5	155.9	190.4	240.3
100°	222.5	251.5	274.7	228.3	179.9	178.0	166.4	162.5	207.0	239.9	288.3
102.5°	347.8	356.7	276.3	250.0	238.7	230.6	212.8	210.5	255.0	300.3	340.9
105°	377.3	338.6	340.5	340.5	332.8	317.3	284.4	282.5	332.8	385.0	435.3
107.5°	443.8	449.6	459.7	457.3	448.4	407.0	368.4	359.5	404.7	467.4	522.7
110°	532.0	537.8	541.7	537.8	524.3	472.1	425.6	412.1	452.7	518.5	578.5



TEST NUMBER: P1427966

CATALOG NUMBER: SQ2W-PH1-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	617.2	621.4	629.9	618.3	595.5	535.5	482.9	463.2	503.8	571.1	632.6
115°	752.6	752.6	754.5	748.7	702.3	640.4	570.7	541.7	576.5	638.4	706.1
117.5°	885.7	888.0	880.3	864.8	811.0	739.0	660.9	614.4	641.9	707.3	777.0
120°	969.3	973.1	965.4	942.2	889.9	808.7	719.7	665.5	686.8	750.6	820.3
122.5°	1055.9	1055.2	1045.9	1019.6	958.0	873.7	786.2	719.7	728.6	787.8	855.9
125°	1176.3	1174.3	1166.6	1135.6	1071.8	984.7	882.2	800.9	789.3	839.6	909.3
127.5°	1290.8	1286.5	1274.5	1237.0	1171.6	1087.7	975.1	883.0	857.0	888.8	952.6
130°	1369.7	1363.9	1342.6	1302.0	1238.2	1158.8	1044.7	940.2	903.5	922.8	978.9
132.5°	1445.6	1428.9	1410.7	1367.0	1307.8	1225.4	1109.7	1000.6	949.9	958.4	1002.1
135°	1541.9	1526.4	1503.2	1460.7	1404.5	1323.3	1207.2	1089.2	1019.6	1011.8	1037.0
137.5°	1626.6	1610.4	1584.1	1547.3	1490.8	1418.5	1307.0	1182.5	1094.6	1068.7	1078.4
140°	1679.3	1659.9	1636.7	1599.9	1549.6	1474.2	1365.9	1245.9	1147.2	1110.5	1104.7
142.5°	1722.6	1707.9	1683.1	1649.5	1605.4	1529.9	1424.7	1306.3	1201.4	1153.8	1140.3
145°	1787.6	1776.0	1748.9	1718.0	1681.2	1605.8	1509.0	1391.0	1286.5	1224.6	1195.6
147.5°	1842.6	1833.3	1812.0	1775.6	1744.7	1672.3	1584.1	1479.6	1372.4	1295.8	1258.3
150°	1876.6	1868.9	1847.6	1812.8	1781.8	1714.1	1629.0	1532.2	1429.7	1348.4	1300.1
152.5°	1909.1	1901.4	1877.0	1842.2	1815.9	1752.8	1675.4	1583.3	1479.2	1398.0	1348.1
155°	1952.1	1942.4	1919.2	1886.3	1863.1	1805.0	1733.4	1652.2	1563.2	1478.1	1422.0
157.5°	1986.1	1974.1	1952.4	1924.2	1899.4	1846.0	1783.7	1713.7	1635.9	1554.7	1497.4
160°	2006.2	1992.7	1969.5	1944.3	1921.1	1870.8	1814.7	1750.8	1679.3	1605.8	1543.8
162.5°	2020.2	2008.2	1980.3	1958.2	1938.1	1892.5	1839.5	1781.8	1718.0	1653.7	1596.5
165°	2035.2	2021.7	1992.7	1975.3	1957.9	1919.2	1872.7	1826.3	1772.1	1719.9	1673.5
167.5°	2036.4	2025.2	1996.2	1979.1	1966.4	1933.1	1895.6	1860.0	1817.8	1776.8	1738.1
170°	2033.3	2023.6	1994.6	1979.1	1969.5	1942.4	1909.5	1878.5	1845.6	1810.8	1779.9
172.5°	2022.5	2012.8	1985.3	1972.9	1967.9	1943.9	1917.2	1894.0	1865.8	1840.2	1815.5
175°	1994.6	1986.9	1963.7	1955.9	1957.9	1942.4	1923.0	1909.5	1892.1	1876.6	1863.1
177.5°	1954.0	1949.3	1932.3	1932.3	1938.5	1929.2	1923.0	1916.8	1909.1	1904.5	1899.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1427966

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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9	1010.9
2.5°	1000.8	993.4	989.3	986.1	985.4	984.7	985.4	986.1	989.3	993.4	1000.8
5°	965.4	945.6	932.3	922.2	921.3	920.4	921.3	922.2	932.3	945.6	965.4
7.5°	909.6	886.6	872.0	860.8	860.2	859.5	860.2	860.8	872.0	886.6	909.6
10°	873.9	850.3	837.1	827.2	827.2	827.2	827.2	827.2	837.1	850.3	873.9
12.5°	843.8	822.0	812.2	805.4	807.4	809.5	807.4	805.4	812.2	822.0	843.8
15°	805.1	789.3	786.8	786.0	790.7	795.4	790.7	786.0	786.8	789.3	805.1
17.5°	773.5	765.1	770.5	776.0	781.5	786.9	781.5	776.0	770.5	765.1	773.5
20°	755.2	750.5	760.8	769.8	774.9	780.0	774.9	769.8	760.8	750.5	755.2
22.5°	740.7	738.7	750.0	759.2	761.9	764.6	761.9	759.2	750.0	738.7	740.7
25°	717.7	720.5	730.3	737.4	736.1	734.8	736.1	737.4	730.3	720.5	717.7
27.5°	695.6	701.1	707.1	711.7	712.5	713.3	712.5	711.7	707.1	701.1	695.6
30°	677.9	684.9	690.9	696.8	702.3	707.9	702.3	696.8	690.9	684.9	677.9
32.5°	658.1	671.3	685.5	699.3	712.1	724.8	712.1	699.3	685.5	671.3	658.1
35°	630.2	649.4	672.9	701.0	742.9	784.8	742.9	701.0	672.9	649.4	630.2
37.5°	600.8	621.1	641.3	659.9	673.2	686.5	673.2	659.9	641.3	621.1	600.8
40°	580.3	605.5	631.6	643.4	612.7	581.9	612.7	643.4	631.6	605.5	580.3
42.5°	554.0	581.7	615.7	628.1	576.2	524.2	576.2	628.1	615.7	581.7	554.0
45°	515.2	530.6	539.6	537.0	499.8	462.6	499.8	537.0	539.6	530.6	515.2
47.5°	488.2	489.9	469.8	451.1	436.6	422.0	436.6	451.1	469.8	489.9	488.2
50°	474.2	471.6	439.5	413.1	403.7	394.3	403.7	413.1	439.5	471.6	474.2
52.5°	463.0	457.8	415.2	381.6	375.3	368.9	375.3	381.6	415.2	457.8	463.0
55°	449.8	443.0	384.4	340.2	338.9	337.6	338.9	340.2	384.4	443.0	449.8
57.5°	399.4	392.2	341.4	303.9	306.1	308.4	306.1	303.9	341.4	392.2	399.4
60°	350.0	343.2	308.1	281.2	278.6	276.0	278.6	281.2	308.1	343.2	350.0
62.5°	303.7	295.7	271.9	253.5	250.9	248.3	250.9	253.5	271.9	295.7	303.7
65°	248.9	237.4	217.7	202.9	202.9	202.9	202.9	202.9	217.7	237.4	248.9
67.5°	204.2	192.8	177.8	164.0	153.8	143.5	153.8	164.0	177.8	192.8	204.2
70°	175.6	161.9	145.2	131.0	124.2	117.3	124.2	131.0	145.2	161.9	175.6
72.5°	146.0	132.7	119.1	106.9	99.0	91.2	99.0	106.9	119.1	132.7	146.0
75°	104.4	90.9	78.5	69.0	68.2	67.3	68.2	69.0	78.5	90.9	104.4
77.5°	71.6	62.3	56.0	51.4	51.5	51.6	51.5	51.4	56.0	62.3	71.6
80°	48.7	42.1	41.7	41.5	41.9	42.3	41.9	41.5	41.7	42.1	48.7
82.5°	35.4	31.8	32.4	32.9	33.0	33.1	33.0	32.9	32.4	31.8	35.4
85°	19.7	18.4	16.7	15.3	14.9	14.4	14.9	15.3	16.7	18.4	19.7
87.5°	13.3	15.5	18.2	19.7	21.3	20.5	21.3	19.7	18.2	15.5	13.3
90°	44.5	58.0	71.6	79.3	87.1	83.2	87.1	79.3	71.6	58.0	44.5
92.5°	89.4	112.2	128.8	142.8	149.0	148.2	149.0	142.8	128.8	112.2	89.4
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	253.4	234.1	207.0	179.9
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	362.2	344.0	313.8	277.4
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	433.4	412.1	377.3	342.4
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	501.5	478.6	440.7	395.1
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	599.7	570.7	530.1	481.7
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	688.0	655.8	618.3	568.4
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	746.8	717.8	677.1	636.5



TEST NUMBER: P1427966

CATALOG NUMBER: SQ2W-PH1-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	693.8	739.0	779.7	808.7	833.1	843.9	833.1	808.7	779.7	739.0	693.8
115°	773.9	833.8	870.6	897.7	915.1	924.8	915.1	897.7	870.6	833.8	773.9
117.5°	840.4	903.1	943.3	964.2	972.4	979.3	972.4	964.2	943.3	903.1	840.4
120°	882.2	940.2	986.7	1013.8	1023.4	1027.3	1023.4	1013.8	986.7	940.2	882.2
122.5°	920.9	975.8	1020.7	1054.0	1069.9	1073.7	1069.9	1054.0	1020.7	975.8	920.9
125°	975.1	1027.3	1073.7	1106.6	1124.0	1133.7	1124.0	1106.6	1073.7	1027.3	975.1
127.5°	1022.3	1078.8	1121.3	1151.1	1168.1	1175.9	1168.1	1151.1	1121.3	1078.8	1022.3
130°	1048.6	1106.6	1149.2	1182.1	1197.5	1205.3	1197.5	1182.1	1149.2	1106.6	1048.6
132.5°	1068.7	1129.8	1173.9	1203.7	1220.8	1228.5	1220.8	1203.7	1173.9	1129.8	1068.7
135°	1093.1	1156.9	1203.3	1232.4	1247.8	1255.6	1247.8	1232.4	1203.3	1156.9	1093.1
137.5°	1114.4	1172.4	1220.8	1251.3	1265.3	1270.3	1265.3	1251.3	1220.8	1172.4	1114.4
140°	1129.8	1180.1	1228.5	1257.5	1273.0	1274.9	1273.0	1257.5	1228.5	1180.1	1129.8
142.5°	1150.0	1189.4	1231.6	1260.6	1276.1	1279.6	1276.1	1260.6	1231.6	1189.4	1150.0
145°	1185.9	1209.2	1238.2	1265.3	1278.8	1282.7	1278.8	1265.3	1238.2	1209.2	1185.9
147.5°	1231.2	1238.6	1253.6	1271.4	1284.6	1287.3	1284.6	1271.4	1253.6	1238.6	1231.2
150°	1265.3	1263.3	1269.1	1280.7	1292.3	1290.4	1292.3	1280.7	1269.1	1263.3	1265.3
152.5°	1303.9	1292.7	1292.3	1297.8	1303.2	1302.8	1303.2	1297.8	1292.3	1292.7	1303.9
155°	1369.7	1348.4	1336.8	1333.0	1333.0	1331.0	1333.0	1333.0	1336.8	1348.4	1369.7
157.5°	1442.1	1412.3	1394.9	1385.6	1382.9	1378.6	1382.9	1385.6	1394.9	1412.3	1442.1
160°	1491.6	1458.7	1441.3	1425.8	1420.0	1414.2	1420.0	1425.8	1441.3	1458.7	1491.6
162.5°	1538.0	1506.7	1487.7	1473.8	1468.0	1459.1	1468.0	1473.8	1487.7	1506.7	1538.0
165°	1613.5	1580.6	1559.3	1547.7	1540.0	1532.2	1540.0	1547.7	1559.3	1580.6	1613.5
167.5°	1688.9	1653.0	1639.0	1625.9	1618.5	1604.6	1618.5	1625.9	1639.0	1653.0	1688.9
170°	1735.4	1702.5	1694.7	1683.1	1669.6	1654.1	1669.6	1683.1	1694.7	1702.5	1735.4
172.5°	1775.6	1753.6	1745.8	1734.2	1730.0	1717.6	1730.0	1734.2	1745.8	1753.6	1775.6
175°	1834.0	1816.6	1816.6	1814.7	1808.9	1797.3	1808.9	1814.7	1816.6	1816.6	1834.0
177.5°	1882.8	1873.5	1879.7	1879.7	1878.1	1867.3	1878.1	1879.7	1879.7	1873.5	1882.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1427966

CATALOG NUMBER: SQ2W-PH1-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1010.9	1010.9	1010.9	1010.9
2.5°	1011.4	1018.1	1013.3	1008.5
5°	991.9	1011.9	1012.4	1012.8
7.5°	941.0	967.8	981.1	994.3
10°	907.6	938.0	958.1	978.2
12.5°	877.6	910.9	942.6	974.3
15°	834.2	868.0	915.9	963.7
17.5°	795.9	825.6	877.2	928.7
20°	774.9	802.4	853.2	904.1
22.5°	755.9	780.2	831.8	883.3
25°	722.0	739.7	797.9	856.0
27.5°	690.5	701.9	762.6	823.3
30°	669.7	678.8	739.5	800.2
32.5°	645.9	652.4	715.2	777.9
35°	615.2	620.4	685.8	751.2
37.5°	580.5	582.9	653.0	723.1
40°	555.9	556.0	629.6	703.1
42.5°	532.3	534.5	608.0	681.5
45°	493.4	496.2	572.7	649.2
47.5°	464.7	465.3	538.2	611.1
50°	447.2	444.2	513.1	581.9
52.5°	430.6	422.6	488.0	553.4
55°	404.9	387.0	449.8	512.6
57.5°	363.0	350.5	409.9	469.4
60°	328.6	327.0	384.7	442.4
62.5°	296.0	304.0	359.0	414.0
65°	252.3	267.4	317.4	367.4
67.5°	212.2	229.0	272.6	316.2
70°	186.3	203.9	242.4	280.8
72.5°	159.1	177.1	210.1	243.1
75°	118.9	136.5	163.0	189.5
77.5°	84.1	98.3	117.6	137.0
80°	61.6	74.8	89.3	103.9
82.5°	43.1	51.6	62.3	73.1
85°	20.5	22.4	27.6	32.7
87.5°	12.4	10.5	9.3	8.1
90°	34.8	21.3	13.5	5.8
92.5°	75.1	52.2	36.8	21.3
95°	150.9	119.9	85.1	60.0
97.5°	240.3	190.4	155.9	114.5
100°	288.3	239.9	207.0	162.5
102.5°	340.9	300.3	255.0	210.5
105°	435.3	385.0	332.8	282.5
107.5°	522.7	467.4	404.7	359.5
110°	578.5	518.5	452.7	412.1



TEST NUMBER: P1427966

CATALOG NUMBER: SQ2W-PH1-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	632.6	571.1	503.8	463.2
115°	706.1	638.4	576.5	541.7
117.5°	777.0	707.3	641.9	614.4
120°	820.3	750.6	686.8	665.5
122.5°	855.9	787.8	728.6	719.7
125°	909.3	839.6	789.3	800.9
127.5°	952.6	888.8	857.0	883.0
130°	978.9	922.8	903.5	940.2
132.5°	1002.1	958.4	949.9	1000.6
135°	1037.0	1011.8	1019.6	1089.2
137.5°	1078.4	1068.7	1094.6	1182.5
140°	1104.7	1110.5	1147.2	1245.9
142.5°	1140.3	1153.8	1201.4	1306.3
145°	1195.6	1224.6	1286.5	1391.0
147.5°	1258.3	1295.8	1372.4	1479.6
150°	1300.1	1348.4	1429.7	1532.2
152.5°	1348.1	1398.0	1479.2	1583.3
155°	1422.0	1478.1	1563.2	1652.2
157.5°	1497.4	1554.7	1635.9	1713.7
160°	1543.8	1605.8	1679.3	1750.8
162.5°	1596.5	1653.7	1718.0	1781.8
165°	1673.5	1719.9	1772.1	1826.3
167.5°	1738.1	1776.8	1817.8	1860.0
170°	1779.9	1810.8	1845.6	1878.5
172.5°	1815.5	1840.2	1865.8	1894.0
175°	1863.1	1876.6	1892.1	1909.5
177.5°	1899.8	1904.5	1909.1	1916.8
180°	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1427966
 CATALOG NUMBER: SQ2W-PH1-K-150U-050D-L930-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	14.16	14.86	15.29	15.97	17.52	12.99	13.69	14.11	14.80	16.35
	3H	16.32	16.94	17.45	18.07	19.63	14.03	14.65	15.16	15.77	17.34
	4H	17.13	17.72	18.27	18.84	20.41	14.27	14.85	15.41	15.98	17.55
	6H	17.59	18.13	18.74	19.26	20.84	14.40	14.94	15.55	16.07	17.65
	8H	17.74	18.25	18.89	19.39	20.96	14.45	14.97	15.60	16.11	17.68
	12H	17.79	18.28	18.94	19.41	21.01	14.46	14.95	15.61	16.08	17.68
4H	2H	14.58	15.17	15.72	16.29	17.86	13.65	14.24	14.80	15.37	16.94
	3H	16.81	17.30	17.97	18.45	20.03	14.87	15.36	16.02	16.51	18.09
	4H	17.68	18.13	18.83	19.27	20.87	15.15	15.60	16.31	16.74	18.34
	6H	18.23	18.61	19.39	19.78	21.37	15.34	15.73	16.50	16.89	18.48
	8H	18.43	18.79	19.59	19.94	21.55	15.43	15.79	16.59	16.94	18.55
	12H	18.50	18.83	19.68	19.99	21.61	15.44	15.77	16.62	16.93	18.55
8H	4H	17.69	18.05	18.85	19.20	20.81	15.37	15.73	16.53	16.88	18.49
	6H	18.31	18.61	19.49	19.80	21.41	15.63	15.93	16.81	17.12	18.73
	8H	18.57	18.83	19.76	20.00	21.63	15.77	16.03	16.96	17.21	18.83
	12H	18.70	18.92	19.88	20.09	21.75	15.83	16.06	17.02	17.23	18.89
12H	4H	17.63	17.96	18.81	19.12	20.74	15.36	15.68	16.53	16.85	18.46
	6H	18.29	18.54	19.47	19.72	21.34	15.66	15.92	16.85	17.10	18.72
	8H	18.55	18.78	19.74	19.95	21.60	15.82	16.04	17.01	17.22	18.87