

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: P1427942

Luminaire Tested: SQ2W-PH1-K-125U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427942
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-125U-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 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

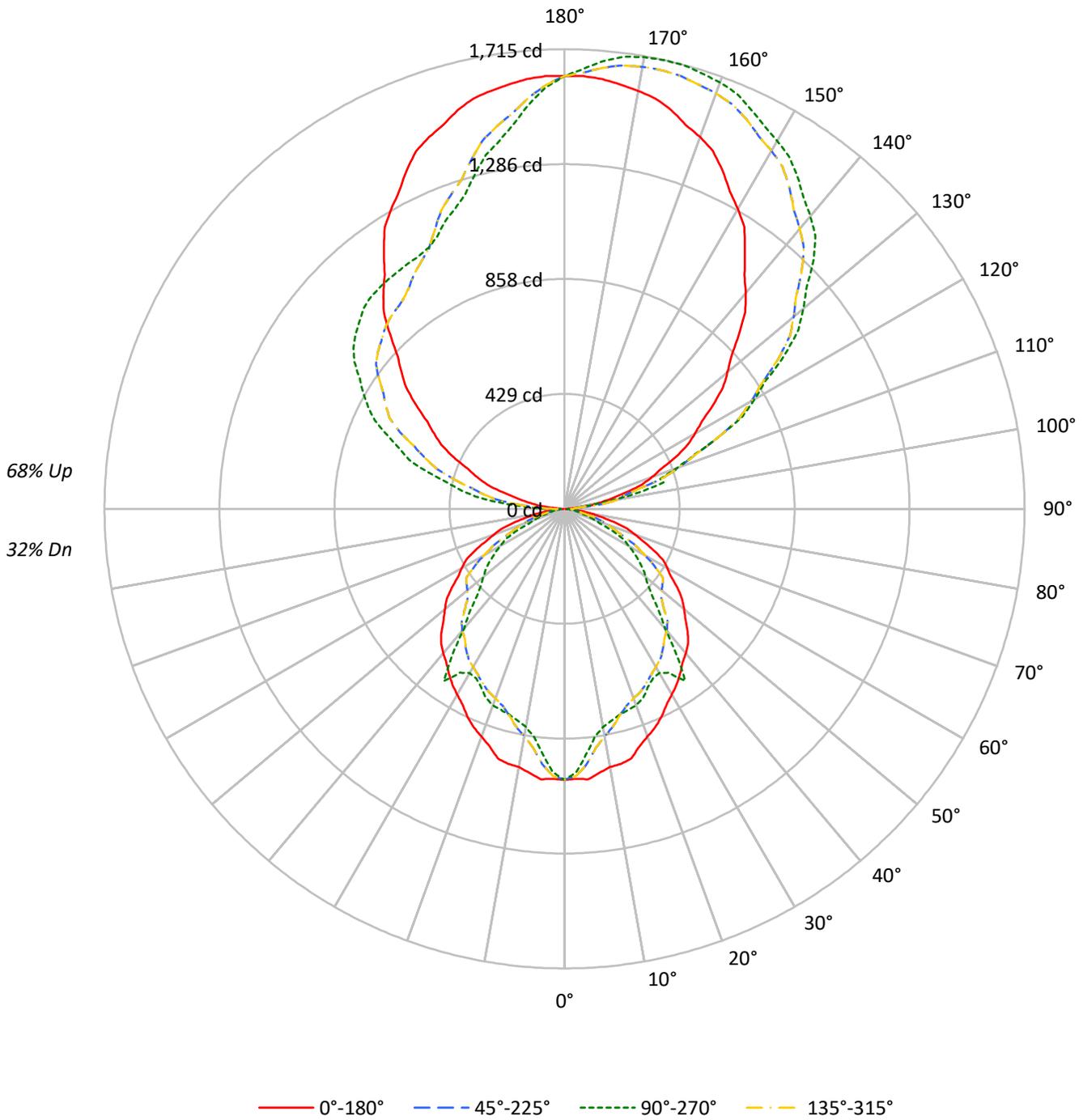
Lumens per Lamp: N/A
Luminaire Lumens: 6956.5 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 61.8
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	103	103	103	103	93	93	93	93	73	73	73	56	56	56	40	40	40	32
1	94	90	86	83	84	81	78	75	64	62	60	49	48	47	35	35	34	27
2	86	78	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29	23
3	78	69	62	56	70	62	56	52	50	46	42	38	36	33	28	26	24	20
4	71	61	53	48	64	55	49	44	44	40	36	34	31	28	25	23	21	17
5	65	54	46	41	59	49	42	37	40	35	31	31	27	25	22	20	18	15
6	60	49	41	35	54	44	37	32	36	31	27	28	24	21	20	18	16	13
7	56	44	36	31	50	40	33	28	32	27	24	25	22	19	18	16	14	11
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	17	15	13	10
9	48	36	29	24	43	33	26	22	27	22	19	21	18	15	16	13	12	9
10	45	33	26	21	40	30	24	20	25	20	17	19	16	14	14	12	10	8

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	1.3
10°-20°	234.0	3.4
20°-30°	343.0	4.9
30°-40°	415.3	6.0
40°-50°	408.4	5.9
50°-60°	355.3	5.1
60°-70°	247.1	3.6
70°-80°	117.2	1.7
80°-90°	32.5	0.5
90°-100°	128.5	1.8
100°-110°	374.8	5.4
110°-120°	611.6	8.8
120°-130°	776.1	11.2
130°-140°	830.4	11.9
140°-150°	775.4	11.1
150°-160°	638.1	9.2
160°-170°	427.9	6.2
170°-180°	151.9	2.2
0°-30°	665.9	9.6
0°-40°	1081.3	15.5
0°-60°	1845.0	26.5
0°-90°	2241.8	32.2
90°-120°	1114.9	16.0
90°-150°	3496.8	50.3
90°-180°	4715.0	67.8
0°-180°	6956.5	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°	5	36	5	70	5	5
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



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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°	7.9	8.9	10.2	10.6	10.6	10.4	10.4	10.7	11.0	11.0	11.0
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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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°	10.7	10.4	10.4	10.6	10.6	10.2	8.9	7.9	8.9	9.8	11.3
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1427942

CATALOG NUMBER: SQ2W-PH1-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1427942

CATALOG NUMBER: SQ2W-PH1-K-125U-050D-L930-UNV-STD-W-WM-4

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°	11.9	13.6	15.9	17.2	18.5	17.9	18.5	17.2	15.9	13.6	11.9
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1427942

CATALOG NUMBER: SQ2W-PH1-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1427942

CATALOG NUMBER: SQ2W-PH1-K-125U-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°	11.3	9.8	8.9	7.9
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4

TEST NUMBER: P1427942

CATALOG NUMBER: SQ2W-PH1-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1427942
 CATALOG NUMBER: SQ2W-PH1-K-125U-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	14.65	15.37	15.75	16.46	17.97	13.48	14.20	14.58	15.29	16.80
	3H	16.81	17.46	17.92	18.56	20.08	14.52	15.16	15.62	16.26	17.78
	4H	17.62	18.23	18.74	19.33	20.86	14.76	15.37	15.87	16.47	18.00
	6H	18.08	18.64	19.21	19.75	21.29	14.89	15.45	16.02	16.56	18.10
	8H	18.23	18.76	19.36	19.88	21.42	14.94	15.48	16.07	16.60	18.13
	12H	18.28	18.79	19.41	19.90	21.46	14.95	15.46	16.08	16.57	18.13
4H	2H	15.07	15.68	16.19	16.78	18.31	14.15	14.75	15.27	15.86	17.39
	3H	17.31	17.81	18.44	18.94	20.48	15.36	15.87	16.49	17.00	18.54
	4H	18.17	18.64	19.31	19.76	21.32	15.65	16.11	16.78	17.23	18.79
	6H	18.72	19.12	19.86	20.27	21.82	15.84	16.24	16.98	17.38	18.93
	8H	18.92	19.30	20.06	20.43	22.00	15.92	16.30	17.06	17.43	19.00
	12H	19.00	19.34	20.16	20.48	22.06	15.94	16.28	17.10	17.42	19.00
8H	4H	18.18	18.56	19.32	19.69	21.26	15.86	16.24	17.00	17.37	18.94
	6H	18.81	19.11	19.97	20.29	21.85	16.13	16.43	17.29	17.61	19.17
	8H	19.07	19.34	20.23	20.49	22.08	16.27	16.54	17.44	17.70	19.28
	12H	19.19	19.43	20.36	20.58	22.20	16.33	16.57	17.50	17.72	19.34
12H	4H	18.13	18.47	19.29	19.61	21.19	15.85	16.19	17.01	17.34	18.91
	6H	18.78	19.05	19.95	20.21	21.79	16.16	16.43	17.33	17.58	19.17
	8H	19.05	19.28	20.22	20.44	22.05	16.32	16.55	17.49	17.70	19.32