

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: P1427906

Luminaire Tested: SQ2W-PH1-K-075U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427906
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-075U-100D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

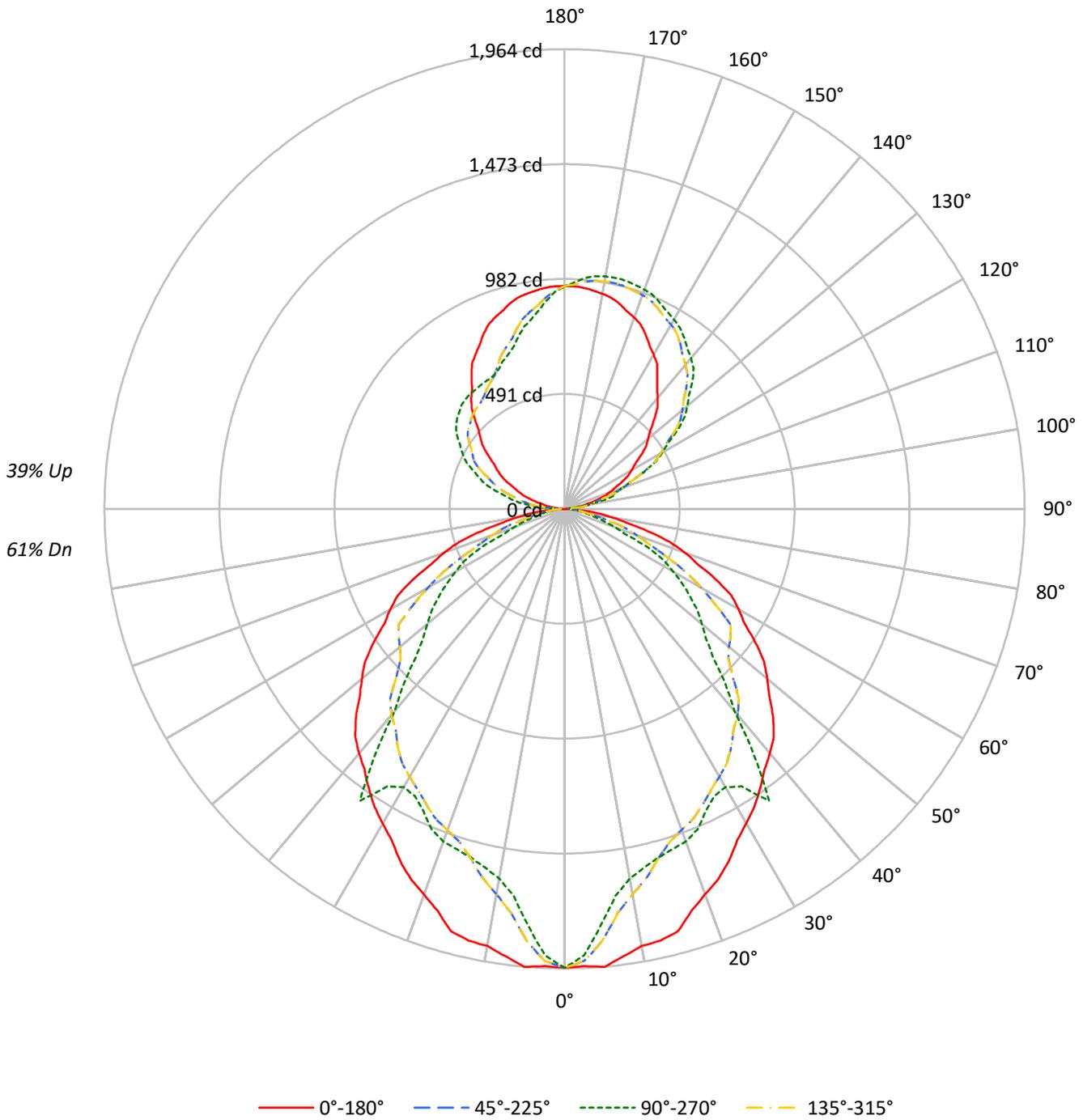
Lumens per Lamp: N/A
Luminaire Lumens: 7116.3 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 61.2
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	50	30	10	0	
RCR																						
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	66	61	
1	101	96	92	89	94	90	87	84	79	76	74	69	67	65	59	58	56	59	58	56	52	
2	92	84	78	73	86	79	74	69	69	65	62	60	57	55	52	50	48	52	50	48	44	
3	84	74	67	61	78	70	63	58	61	56	52	54	50	46	46	43	41	46	43	41	37	
4	77	66	58	52	71	62	55	49	55	49	44	48	43	40	41	38	35	41	38	35	32	
5	70	59	50	44	66	55	48	42	49	43	38	43	38	35	37	34	31	37	34	31	28	
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27	34	30	27	24	
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	31	27	24	22	
8	56	43	36	30	52	41	34	29	37	31	26	32	28	24	28	25	22	28	25	22	19	
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	22	20	26	22	20	18	
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	24	21	18	24	21	18	16	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31655	31655	31655	31655
5°	31836	28935	31836	28935
10°	31104	26302	31104	26302
15°	31244	25786	31244	25786
20°	30128	25994	30128	25994
25°	29578	25389	29578	25389
30°	28936	25597	28936	25597
35°	28716	30003	28716	30003
40°	28742	23787	28742	23787
45°	28752	20488	28752	20488
50°	28348	19210	28348	19210
55°	27988	18432	27988	18432
60°	27709	17289	27709	17289
65°	27224	15037	27224	15037
70°	25713	10744	25713	10744
75°	22925	8147	22925	8147
80°	18735	7634	18735	7634
85°	11745	5187	11745	5187

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28752 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.5	2.4
10°-20°	453.8	6.4
20°-30°	665.3	9.3
30°-40°	805.6	11.3
40°-50°	792.2	11.1
50°-60°	689.1	9.7
60°-70°	479.2	6.7
70°-80°	227.3	3.2
80°-90°	54.0	0.8
90°-100°	75.7	1.1
100°-110°	220.8	3.1
110°-120°	360.3	5.1
120°-130°	457.2	6.4
130°-140°	489.2	6.9
140°-150°	456.8	6.4
150°-160°	375.9	5.3
160°-170°	252.1	3.5
170°-180°	89.5	1.3
0°-30°	1291.6	18.1
0°-40°	2097.2	29.5
0°-60°	3578.4	50.3
0°-90°	4339.0	61.0
90°-120°	656.7	9.2
90°-150°	2059.9	28.9
90°-180°	2777.0	39.0
0°-180°	7116.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1961	1961	1961	1961	1961	
5°	1964	1785	1964	1785	1964	185
15°	1869	1543	1869	1543	1869	521
25°	1660	1425	1660	1425	1660	764
35°	1457	1522	1457	1522	1457	913
45°	1259	897	1259	897	1259	968
55°	994	655	994	655	994	888
65°	713	394	713	394	713	700
75°	368	131	368	131	368	389
85°	63	28	63	28	63	85
90°	3	21	3	41	3	4
95°	30	22	30	130	30	36
105°	140	225	140	309	140	149
115°	269	373	269	459	269	265
125°	398	591	398	563	398	356
135°	541	773	541	624	541	418
145°	691	892	691	637	691	432
155°	820	968	820	661	820	377
165°	907	1010	907	761	907	255
175°	948	989	948	893	948	90
180°	951	951	951	951	951	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6
2.5°	1956.1	1965.4	1974.7	1961.6	1941.0	1926.8	1918.8	1912.5	1911.2	1909.9	1911.2
5°	1964.3	1963.5	1962.7	1923.9	1872.5	1834.0	1808.3	1788.6	1786.9	1785.3	1786.9
7.5°	1928.5	1902.8	1877.1	1825.1	1764.2	1719.6	1691.2	1669.6	1668.3	1667.0	1668.3
10°	1897.2	1858.2	1819.2	1760.4	1694.9	1649.3	1623.6	1604.3	1604.3	1604.3	1604.3
12.5°	1889.7	1828.2	1766.7	1702.2	1636.7	1594.4	1575.3	1562.0	1566.0	1570.0	1566.0
15°	1869.2	1776.3	1683.5	1618.0	1561.6	1530.9	1526.0	1524.5	1533.6	1542.7	1533.6
17.5°	1801.3	1701.3	1601.3	1543.7	1500.3	1483.9	1494.5	1505.1	1515.7	1526.3	1515.7
20°	1753.5	1654.9	1556.2	1502.9	1464.8	1455.7	1475.6	1493.0	1502.9	1512.9	1502.9
22.5°	1713.2	1613.3	1513.3	1466.1	1436.6	1432.8	1454.7	1472.4	1477.7	1483.0	1477.7
25°	1660.3	1547.5	1434.8	1400.3	1392.1	1397.4	1416.5	1430.2	1427.7	1425.2	1427.7
27.5°	1596.8	1479.1	1361.4	1339.3	1349.1	1359.8	1371.4	1380.4	1381.9	1383.4	1381.9
30°	1552.1	1434.3	1316.6	1299.0	1314.7	1328.4	1340.0	1351.4	1362.2	1373.0	1362.2
32.5°	1508.8	1387.1	1265.4	1252.7	1276.4	1302.1	1329.6	1356.4	1381.1	1405.8	1381.1
35°	1456.9	1330.1	1203.2	1193.3	1222.3	1259.6	1305.2	1359.7	1441.0	1522.2	1441.0
37.5°	1402.5	1266.5	1130.5	1126.0	1165.3	1204.6	1243.9	1279.8	1305.7	1331.6	1305.7
40°	1363.7	1221.1	1078.4	1078.2	1125.5	1174.4	1225.0	1248.0	1188.3	1128.6	1188.3
42.5°	1321.9	1179.3	1036.7	1032.5	1074.4	1128.3	1194.1	1218.3	1117.5	1016.7	1117.5
45°	1259.2	1110.8	962.4	957.0	999.3	1029.1	1046.5	1041.6	969.4	897.3	969.4
47.5°	1185.3	1043.9	902.4	901.3	946.9	950.2	911.2	874.9	846.8	818.6	846.8
50°	1128.6	995.1	861.6	867.4	919.7	914.7	852.5	801.3	783.1	764.8	783.1
52.5°	1073.4	946.5	819.7	835.1	898.0	888.0	805.3	740.1	727.9	715.6	727.9
55°	994.3	872.4	750.5	785.4	872.4	859.2	745.6	659.8	657.3	654.8	657.3
57.5°	910.3	795.1	679.9	704.0	774.7	760.7	662.2	589.4	593.8	598.1	593.8
60°	858.1	746.2	634.3	637.4	678.8	665.6	597.6	545.3	540.4	535.4	540.4
62.5°	802.9	696.3	589.7	574.2	589.1	573.5	527.4	491.6	486.6	481.7	486.6
65°	712.6	615.6	518.6	489.4	482.7	460.4	422.2	393.6	393.6	393.6	393.6
67.5°	613.4	528.8	444.2	411.5	396.1	373.9	344.9	318.1	298.2	278.3	298.2
70°	544.7	470.1	395.5	361.3	340.6	314.0	281.7	254.1	240.9	227.6	240.9
72.5°	471.6	407.6	343.6	308.5	283.2	257.3	230.9	207.4	192.1	176.8	192.1
75°	367.5	316.1	264.7	230.7	202.5	176.4	152.3	133.9	132.2	130.6	132.2
77.5°	265.6	228.2	190.7	163.2	139.0	120.8	108.7	99.7	99.8	100.0	99.8
80°	201.5	173.3	145.1	119.4	94.5	81.7	80.8	80.4	81.3	82.1	81.3
82.5°	141.8	120.9	100.0	83.6	68.6	61.8	62.9	63.8	64.0	64.2	64.0
85°	63.4	53.5	43.5	39.8	38.1	35.7	32.3	29.6	28.8	28.0	28.8
87.5°	14.0	14.1	14.4	13.5	12.1	11.3	11.3	11.5	11.7	11.7	11.7
90°	2.9	6.7	11.5	15.4	18.3	19.2	19.2	20.2	21.1	21.1	21.1
92.5°	10.6	16.7	16.9	16.9	20.6	22.3	23.8	24.0	25.0	25.0	25.0
95°	29.8	32.7	49.0	48.0	32.7	25.9	22.1	22.1	22.1	22.1	22.1
97.5°	56.9	61.1	63.8	85.5	90.3	87.2	71.1	59.8	53.4	50.5	53.4
100°	80.7	82.6	88.4	89.4	113.4	136.4	124.9	110.5	105.7	102.8	105.7
102.5°	104.5	105.7	114.5	118.6	124.1	137.2	177.2	172.8	169.5	168.9	169.5
105°	140.3	141.2	157.6	165.3	169.1	169.1	168.1	187.4	218.1	224.8	218.1
107.5°	178.5	182.9	202.2	222.7	227.1	228.3	223.3	220.4	219.3	220.0	219.3
110°	204.7	211.4	234.4	260.4	267.1	269.0	267.1	264.2	262.3	262.3	262.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	230.0	239.8	266.0	295.7	307.1	312.8	308.6	306.5	304.6	306.1	304.6
115°	269.0	283.4	318.0	348.8	371.8	374.7	373.8	373.8	372.8	372.8	372.8
117.5°	305.2	328.2	367.0	402.8	429.5	437.2	441.0	439.9	438.7	440.6	438.7
120°	330.5	357.4	401.6	442.0	467.9	479.4	483.3	481.4	483.3	481.4	483.3
122.5°	357.4	390.5	433.9	475.8	506.3	519.4	524.0	524.4	524.8	523.6	524.8
125°	397.8	438.1	489.1	532.3	564.0	579.4	583.2	584.2	586.1	590.9	586.1
127.5°	438.5	484.2	540.2	581.9	614.3	633.0	638.9	641.0	645.1	647.2	645.1
130°	467.0	518.8	575.5	614.9	646.6	666.8	677.4	680.3	685.1	684.1	685.1
132.5°	496.9	551.1	608.6	649.5	678.9	700.6	709.7	717.9	719.6	721.0	719.6
135°	540.9	599.5	657.2	697.5	725.4	746.5	758.1	765.8	770.6	773.4	770.6
137.5°	587.2	649.1	704.5	740.4	768.5	786.7	799.8	807.8	812.8	815.1	812.8
140°	618.8	678.3	732.1	769.6	794.6	812.8	824.4	834.0	839.7	839.7	839.7
142.5°	648.7	707.5	759.8	797.3	819.2	835.9	848.2	855.5	862.0	862.0	862.0
145°	690.8	749.4	797.5	834.9	853.2	868.6	882.0	887.8	891.6	891.6	891.6
147.5°	734.8	786.7	830.5	866.5	881.8	899.9	910.5	915.1	919.9	917.8	919.9
150°	761.0	809.0	851.3	884.9	900.3	917.6	928.1	932.0	936.8	933.9	936.8
152.5°	786.3	832.1	870.5	901.8	914.9	932.2	944.3	948.1	951.4	949.3	951.4
155°	820.5	860.9	896.4	925.3	936.8	953.1	964.6	969.5	973.3	968.5	973.3
157.5°	851.1	885.9	916.8	943.3	955.6	969.6	980.4	986.4	990.2	988.1	990.2
160°	869.5	901.2	929.1	954.1	965.6	978.1	989.6	996.4	1000.2	997.3	1000.2
162.5°	884.9	913.5	939.9	962.5	972.5	983.5	997.3	1003.3	1007.1	1003.5	1007.1
165°	907.0	930.1	953.1	972.3	981.0	989.6	1004.0	1010.8	1013.7	1009.8	1013.7
167.5°	923.7	941.4	960.0	976.6	982.9	991.4	1005.8	1011.3	1015.0	1010.2	1015.0
170°	932.9	948.3	964.6	978.1	982.9	990.6	1005.0	1009.8	1012.7	1007.9	1012.7
172.5°	940.6	952.2	965.4	977.3	979.8	986.0	999.6	1004.4	1006.5	1002.5	1006.5
175°	948.3	955.0	964.6	972.3	971.4	975.2	986.7	990.6	994.4	988.7	994.4
177.5°	952.0	955.0	958.1	962.7	959.7	959.7	968.1	970.4	971.2	968.1	971.2
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6
2.5°	1912.5	1918.8	1926.8	1941.0	1961.6	1974.7	1965.4	1956.1	1965.4	1974.7	1961.6
5°	1788.6	1808.3	1834.0	1872.5	1923.9	1962.7	1963.5	1964.3	1963.5	1962.7	1923.9
7.5°	1669.6	1691.2	1719.6	1764.2	1825.1	1877.1	1902.8	1928.5	1902.8	1877.1	1825.1
10°	1604.3	1623.6	1649.3	1694.9	1760.4	1819.2	1858.2	1897.2	1858.2	1819.2	1760.4
12.5°	1562.0	1575.3	1594.4	1636.7	1702.2	1766.7	1828.2	1889.7	1828.2	1766.7	1702.2
15°	1524.5	1526.0	1530.9	1561.6	1618.0	1683.5	1776.3	1869.2	1776.3	1683.5	1618.0
17.5°	1505.1	1494.5	1483.9	1500.3	1543.7	1601.3	1701.3	1801.3	1701.3	1601.3	1543.7
20°	1493.0	1475.6	1455.7	1464.8	1502.9	1556.2	1654.9	1753.5	1654.9	1556.2	1502.9
22.5°	1472.4	1454.7	1432.8	1436.6	1466.1	1513.3	1613.3	1713.2	1613.3	1513.3	1466.1
25°	1430.2	1416.5	1397.4	1392.1	1400.3	1434.8	1547.5	1660.3	1547.5	1434.8	1400.3
27.5°	1380.4	1371.4	1359.8	1349.1	1339.3	1361.4	1479.1	1596.8	1479.1	1361.4	1339.3
30°	1351.4	1340.0	1328.4	1314.7	1299.0	1316.6	1434.3	1552.1	1434.3	1316.6	1299.0
32.5°	1356.4	1329.6	1302.1	1276.4	1252.7	1265.4	1387.1	1508.8	1387.1	1265.4	1252.7
35°	1359.7	1305.2	1259.6	1222.3	1193.3	1203.2	1330.1	1456.9	1330.1	1203.2	1193.3
37.5°	1279.8	1243.9	1204.6	1165.3	1126.0	1130.5	1266.5	1402.5	1266.5	1130.5	1126.0
40°	1248.0	1225.0	1174.4	1125.5	1078.2	1078.4	1221.1	1363.7	1221.1	1078.4	1078.2
42.5°	1218.3	1194.1	1128.3	1074.4	1032.5	1036.7	1179.3	1321.9	1179.3	1036.7	1032.5
45°	1041.6	1046.5	1029.1	999.3	957.0	962.4	1110.8	1259.2	1110.8	962.4	957.0
47.5°	874.9	911.2	950.2	946.9	901.3	902.4	1043.9	1185.3	1043.9	902.4	901.3
50°	801.3	852.5	914.7	919.7	867.4	861.6	995.1	1128.6	995.1	861.6	867.4
52.5°	740.1	805.3	888.0	898.0	835.1	819.7	946.5	1073.4	946.5	819.7	835.1
55°	659.8	745.6	859.2	872.4	785.4	750.5	872.4	994.3	872.4	750.5	785.4
57.5°	589.4	662.2	760.7	774.7	704.0	679.9	795.1	910.3	795.1	679.9	704.0
60°	545.3	597.6	665.6	678.8	637.4	634.3	746.2	858.1	746.2	634.3	637.4
62.5°	491.6	527.4	573.5	589.1	574.2	589.7	696.3	802.9	696.3	589.7	574.2
65°	393.6	422.2	460.4	482.7	489.4	518.6	615.6	712.6	615.6	518.6	489.4
67.5°	318.1	344.9	373.9	396.1	411.5	444.2	528.8	613.4	528.8	444.2	411.5
70°	254.1	281.7	314.0	340.6	361.3	395.5	470.1	544.7	470.1	395.5	361.3
72.5°	207.4	230.9	257.3	283.2	308.5	343.6	407.6	471.6	407.6	343.6	308.5
75°	133.9	152.3	176.4	202.5	230.7	264.7	316.1	367.5	316.1	264.7	230.7
77.5°	99.7	108.7	120.8	139.0	163.2	190.7	228.2	265.6	228.2	190.7	163.2
80°	80.4	80.8	81.7	94.5	119.4	145.1	173.3	201.5	173.3	145.1	119.4
82.5°	63.8	62.9	61.8	68.6	83.6	100.0	120.9	141.8	120.9	100.0	83.6
85°	29.6	32.3	35.7	38.1	39.8	43.5	53.5	63.4	53.5	43.5	39.8
87.5°	11.5	11.3	11.3	12.1	13.5	14.4	14.1	14.0	14.1	14.2	13.9
90°	20.2	19.2	19.2	18.3	15.4	11.5	6.7	2.9	6.7	10.6	17.3
92.5°	24.0	23.8	22.3	20.6	16.9	16.9	16.7	10.6	18.3	25.9	37.3
95°	22.1	22.1	25.9	32.7	48.0	49.0	32.7	29.8	42.3	59.6	74.9
97.5°	59.8	71.1	87.2	90.3	85.5	63.8	61.1	56.9	77.4	94.5	119.3
100°	110.5	124.9	136.4	113.4	89.4	88.4	82.6	80.7	102.8	119.1	143.2
102.5°	172.8	177.2	137.2	124.1	118.6	114.5	105.7	104.5	126.6	149.1	169.3
105°	187.4	168.1	169.1	169.1	165.3	157.6	141.2	140.3	165.3	191.2	216.2
107.5°	220.4	223.3	228.3	227.1	222.7	202.2	182.9	178.5	201.0	232.1	259.6
110°	264.2	267.1	269.0	267.1	260.4	234.4	211.4	204.7	224.8	257.5	287.3



TEST NUMBER: P1427906

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	306.5	308.6	312.8	307.1	295.7	266.0	239.8	230.0	250.2	283.6	314.2
115°	373.8	373.8	374.7	371.8	348.8	318.0	283.4	269.0	286.3	317.1	350.7
117.5°	439.9	441.0	437.2	429.5	402.8	367.0	328.2	305.2	318.8	351.3	385.9
120°	481.4	483.3	479.4	467.9	442.0	401.6	357.4	330.5	341.1	372.8	407.4
122.5°	524.4	524.0	519.4	506.3	475.8	433.9	390.5	357.4	361.8	391.2	425.1
125°	584.2	583.2	579.4	564.0	532.3	489.1	438.1	397.8	392.0	417.0	451.6
127.5°	641.0	638.9	633.0	614.3	581.9	540.2	484.2	438.5	425.6	441.4	473.1
130°	680.3	677.4	666.8	646.6	614.9	575.5	518.8	467.0	448.7	458.3	486.2
132.5°	717.9	709.7	700.6	678.9	649.5	608.6	551.1	496.9	471.8	476.0	497.7
135°	765.8	758.1	746.5	725.4	697.5	657.2	599.5	540.9	506.3	502.5	515.0
137.5°	807.8	799.8	786.7	768.5	740.4	704.5	649.1	587.2	543.6	530.7	535.6
140°	834.0	824.4	812.8	794.6	769.6	732.1	678.3	618.8	569.8	551.5	548.6
142.5°	855.5	848.2	835.9	819.2	797.3	759.8	707.5	648.7	596.7	573.0	566.3
145°	887.8	882.0	868.6	853.2	834.9	797.5	749.4	690.8	638.9	608.2	593.8
147.5°	915.1	910.5	899.9	881.8	866.5	830.5	786.7	734.8	681.6	643.5	624.9
150°	932.0	928.1	917.6	900.3	884.9	851.3	809.0	761.0	710.0	669.7	645.7
152.5°	948.1	944.3	932.2	914.9	901.8	870.5	832.1	786.3	734.6	694.3	669.5
155°	969.5	964.6	953.1	936.8	925.3	896.4	860.9	820.5	776.3	734.1	706.2
157.5°	986.4	980.4	969.6	955.6	943.3	916.8	885.9	851.1	812.5	772.1	743.7
160°	996.4	989.6	978.1	965.6	954.1	929.1	901.2	869.5	834.0	797.5	766.7
162.5°	1003.3	997.3	983.5	972.5	962.5	939.9	913.5	884.9	853.2	821.3	792.9
165°	1010.8	1004.0	989.6	981.0	972.3	953.1	930.1	907.0	880.1	854.2	831.1
167.5°	1011.3	1005.8	991.4	982.9	976.6	960.0	941.4	923.7	902.8	882.4	863.2
170°	1009.8	1005.0	990.6	982.9	978.1	964.6	948.3	932.9	916.6	899.3	883.9
172.5°	1004.4	999.6	986.0	979.8	977.3	965.4	952.2	940.6	926.6	913.9	901.6
175°	990.6	986.7	975.2	971.4	972.3	964.6	955.0	948.3	939.7	932.0	925.3
177.5°	970.4	968.1	959.7	959.7	962.7	958.1	955.0	952.0	948.1	945.8	943.5
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1427906

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6
2.5°	1941.0	1926.8	1918.8	1912.5	1911.2	1909.9	1911.2	1912.5	1918.8	1926.8	1941.0
5°	1872.5	1834.0	1808.3	1788.6	1786.9	1785.3	1786.9	1788.6	1808.3	1834.0	1872.5
7.5°	1764.2	1719.6	1691.2	1669.6	1668.3	1667.0	1668.3	1669.6	1691.2	1719.6	1764.2
10°	1694.9	1649.3	1623.6	1604.3	1604.3	1604.3	1604.3	1604.3	1623.6	1649.3	1694.9
12.5°	1636.7	1594.4	1575.3	1562.0	1566.0	1570.0	1566.0	1562.0	1575.3	1594.4	1636.7
15°	1561.6	1530.9	1526.0	1524.5	1533.6	1542.7	1533.6	1524.5	1526.0	1530.9	1561.6
17.5°	1500.3	1483.9	1494.5	1505.1	1515.7	1526.3	1515.7	1505.1	1494.5	1483.9	1500.3
20°	1464.8	1455.7	1475.6	1493.0	1502.9	1512.9	1502.9	1493.0	1475.6	1455.7	1464.8
22.5°	1436.6	1432.8	1454.7	1472.4	1477.7	1483.0	1477.7	1472.4	1454.7	1432.8	1436.6
25°	1392.1	1397.4	1416.5	1430.2	1427.7	1425.2	1427.7	1430.2	1416.5	1397.4	1392.1
27.5°	1349.1	1359.8	1371.4	1380.4	1381.9	1383.4	1381.9	1380.4	1371.4	1359.8	1349.1
30°	1314.7	1328.4	1340.0	1351.4	1362.2	1373.0	1362.2	1351.4	1340.0	1328.4	1314.7
32.5°	1276.4	1302.1	1329.6	1356.4	1381.1	1405.8	1381.1	1356.4	1329.6	1302.1	1276.4
35°	1222.3	1259.6	1305.2	1359.7	1441.0	1522.2	1441.0	1359.7	1305.2	1259.6	1222.3
37.5°	1165.3	1204.6	1243.9	1279.8	1305.7	1331.6	1305.7	1279.8	1243.9	1204.6	1165.3
40°	1125.5	1174.4	1225.0	1248.0	1188.3	1128.6	1188.3	1248.0	1225.0	1174.4	1125.5
42.5°	1074.4	1128.3	1194.1	1218.3	1117.5	1016.7	1117.5	1218.3	1194.1	1128.3	1074.4
45°	999.3	1029.1	1046.5	1041.6	969.4	897.3	969.4	1041.6	1046.5	1029.1	999.3
47.5°	946.9	950.2	911.2	874.9	846.8	818.6	846.8	911.2	950.2	946.9	946.9
50°	919.7	914.7	852.5	801.3	783.1	764.8	783.1	801.3	852.5	914.7	919.7
52.5°	898.0	888.0	805.3	740.1	727.9	715.6	727.9	740.1	805.3	888.0	898.0
55°	872.4	859.2	745.6	659.8	657.3	654.8	657.3	659.8	745.6	859.2	872.4
57.5°	774.7	760.7	662.2	589.4	593.8	598.1	593.8	589.4	662.2	760.7	774.7
60°	678.8	665.6	597.6	545.3	540.4	535.4	540.4	545.3	597.6	665.6	678.8
62.5°	589.1	573.5	527.4	491.6	486.6	481.7	486.6	491.6	527.4	573.5	589.1
65°	482.7	460.4	422.2	393.6	393.6	393.6	393.6	422.2	460.4	482.7	482.7
67.5°	396.1	373.9	344.9	318.1	298.2	278.3	298.2	318.1	344.9	373.9	396.1
70°	340.6	314.0	281.7	254.1	240.9	227.6	240.9	254.1	281.7	314.0	340.6
72.5°	283.2	257.3	230.9	207.4	192.1	176.8	192.1	207.4	230.9	257.3	283.2
75°	202.5	176.4	152.3	133.9	132.2	130.6	132.2	133.9	152.3	176.4	202.5
77.5°	139.0	120.8	108.7	99.7	99.8	100.0	99.8	99.7	108.7	120.8	139.0
80°	94.5	81.7	80.8	80.4	81.3	82.1	81.3	80.4	80.8	81.7	94.5
82.5°	68.6	61.8	62.9	63.8	64.0	64.2	64.0	63.8	62.9	61.8	68.6
85°	38.1	35.7	32.3	29.6	28.8	28.0	28.8	29.6	32.3	35.7	38.1
87.5°	12.9	13.2	14.6	15.3	16.1	15.7	16.1	15.3	14.6	13.2	12.9
90°	22.1	28.8	35.5	39.4	43.2	41.3	43.2	39.4	35.5	28.8	22.1
92.5°	44.4	55.7	64.0	70.9	74.0	73.6	74.0	70.9	64.0	55.7	44.4
95°	89.4	102.8	116.3	125.9	131.6	129.7	131.6	125.9	116.3	102.8	89.4
97.5°	137.8	155.8	170.8	179.9	185.6	189.5	185.6	179.9	170.8	155.8	137.8
100°	170.1	187.4	204.7	215.2	224.8	228.7	224.8	215.2	204.7	187.4	170.1
102.5°	196.2	218.9	237.7	249.0	257.1	261.0	257.1	249.0	237.7	218.9	196.2
105°	239.2	263.3	283.4	297.8	306.5	309.4	306.5	297.8	283.4	263.3	239.2
107.5°	282.3	307.1	325.7	341.7	352.2	358.4	352.2	341.7	325.7	307.1	282.3
110°	316.1	336.3	356.5	370.9	381.4	385.3	381.4	370.9	356.5	336.3	316.1



TEST NUMBER: P1427906

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	344.5	367.0	387.2	401.6	413.7	419.1	413.7	401.6	387.2	367.0	344.5
115°	384.3	414.1	432.4	445.8	454.5	459.3	454.5	445.8	432.4	414.1	384.3
117.5°	417.4	448.5	468.5	478.9	482.9	486.4	482.9	478.9	468.5	448.5	417.4
120°	438.1	467.0	490.0	503.5	508.3	510.2	508.3	490.0	467.0	438.1	
122.5°	457.3	484.6	506.9	523.4	531.3	533.2	531.3	523.4	506.9	484.6	457.3
125°	484.2	510.2	533.2	549.6	558.2	563.0	558.2	549.6	533.2	510.2	484.2
127.5°	507.7	535.7	556.9	571.7	580.1	584.0	580.1	571.7	556.9	535.7	507.7
130°	520.8	549.6	570.7	587.1	594.7	598.6	594.7	587.1	570.7	549.6	520.8
132.5°	530.7	561.1	583.0	597.8	606.3	610.1	606.3	597.8	583.0	561.1	530.7
135°	542.9	574.6	597.6	612.0	619.7	623.6	619.7	612.0	597.6	574.6	542.9
137.5°	553.4	582.2	606.3	621.4	628.4	630.9	628.4	621.4	606.3	582.2	553.4
140°	561.1	586.1	610.1	624.5	632.2	633.2	632.2	624.5	610.1	586.1	561.1
142.5°	571.1	590.7	611.6	626.1	633.7	635.5	633.7	626.1	611.6	590.7	571.1
145°	589.0	600.5	614.9	628.4	635.1	637.0	635.1	628.4	614.9	600.5	589.0
147.5°	611.5	615.1	622.6	631.4	638.0	639.3	638.0	631.4	622.6	615.1	611.5
150°	628.4	627.4	630.3	636.1	641.8	640.9	641.8	636.1	630.3	627.4	628.4
152.5°	647.6	642.0	641.8	644.5	647.2	647.0	647.2	644.5	641.8	642.0	647.6
155°	680.3	669.7	663.9	662.0	662.0	661.0	662.0	662.0	663.9	669.7	680.3
157.5°	716.2	701.4	692.7	688.1	686.8	684.7	686.8	688.1	692.7	701.4	716.2
160°	740.8	724.4	715.8	708.1	705.2	702.3	705.2	708.1	715.8	724.4	740.8
162.5°	763.8	748.3	738.9	731.9	729.1	724.6	729.1	731.9	738.9	748.3	763.8
165°	801.3	785.0	774.4	768.6	764.8	761.0	764.8	768.6	774.4	785.0	801.3
167.5°	838.8	820.9	814.0	807.5	803.8	796.9	803.8	807.5	814.0	820.9	838.8
170°	861.8	845.5	841.7	835.9	829.2	821.5	829.2	835.9	841.7	845.5	861.8
172.5°	881.8	870.9	867.0	861.3	859.2	853.0	859.2	861.3	867.0	870.9	881.8
175°	910.8	902.2	902.2	901.2	898.4	892.6	898.4	901.2	902.2	902.2	910.8
177.5°	935.1	930.4	933.5	933.5	932.8	927.4	932.8	933.5	933.5	930.4	935.1
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1427906

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1960.6	1960.6	1960.6	1960.6
2.5°	1961.6	1974.7	1965.4	1956.1
5°	1923.9	1962.7	1963.5	1964.3
7.5°	1825.1	1877.1	1902.8	1928.5
10°	1760.4	1819.2	1858.2	1897.2
12.5°	1702.2	1766.7	1828.2	1889.7
15°	1618.0	1683.5	1776.3	1869.2
17.5°	1543.7	1601.3	1701.3	1801.3
20°	1502.9	1556.2	1654.9	1753.5
22.5°	1466.1	1513.3	1613.3	1713.2
25°	1400.3	1434.8	1547.5	1660.3
27.5°	1339.3	1361.4	1479.1	1596.8
30°	1299.0	1316.6	1434.3	1552.1
32.5°	1252.7	1265.4	1387.1	1508.8
35°	1193.3	1203.2	1330.1	1456.9
37.5°	1126.0	1130.5	1266.5	1402.5
40°	1078.2	1078.4	1221.1	1363.7
42.5°	1032.5	1036.7	1179.3	1321.9
45°	957.0	962.4	1110.8	1259.2
47.5°	901.3	902.4	1043.9	1185.3
50°	867.4	861.6	995.1	1128.6
52.5°	835.1	819.7	946.5	1073.4
55°	785.4	750.5	872.4	994.3
57.5°	704.0	679.9	795.1	910.3
60°	637.4	634.3	746.2	858.1
62.5°	574.2	589.7	696.3	802.9
65°	489.4	518.6	615.6	712.6
67.5°	411.5	444.2	528.8	613.4
70°	361.3	395.5	470.1	544.7
72.5°	308.5	343.6	407.6	471.6
75°	230.7	264.7	316.1	367.5
77.5°	163.2	190.7	228.2	265.6
80°	119.4	145.1	173.3	201.5
82.5°	83.6	100.0	120.9	141.8
85°	39.8	43.5	53.5	63.4
87.5°	13.9	14.2	14.1	14.0
90°	17.3	10.6	6.7	2.9
92.5°	37.3	25.9	18.3	10.6
95°	74.9	59.6	42.3	29.8
97.5°	119.3	94.5	77.4	56.9
100°	143.2	119.1	102.8	80.7
102.5°	169.3	149.1	126.6	104.5
105°	216.2	191.2	165.3	140.3
107.5°	259.6	232.1	201.0	178.5
110°	287.3	257.5	224.8	204.7



TEST NUMBER: P1427906

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	314.2	283.6	250.2	230.0
115°	350.7	317.1	286.3	269.0
117.5°	385.9	351.3	318.8	305.2
120°	407.4	372.8	341.1	330.5
122.5°	425.1	391.2	361.8	357.4
125°	451.6	417.0	392.0	397.8
127.5°	473.1	441.4	425.6	438.5
130°	486.2	458.3	448.7	467.0
132.5°	497.7	476.0	471.8	496.9
135°	515.0	502.5	506.3	540.9
137.5°	535.6	530.7	543.6	587.2
140°	548.6	551.5	569.8	618.8
142.5°	566.3	573.0	596.7	648.7
145°	593.8	608.2	638.9	690.8
147.5°	624.9	643.5	681.6	734.8
150°	645.7	669.7	710.0	761.0
152.5°	669.5	694.3	734.6	786.3
155°	706.2	734.1	776.3	820.5
157.5°	743.7	772.1	812.5	851.1
160°	766.7	797.5	834.0	869.5
162.5°	792.9	821.3	853.2	884.9
165°	831.1	854.2	880.1	907.0
167.5°	863.2	882.4	902.8	923.7
170°	883.9	899.3	916.6	932.9
172.5°	901.6	913.9	926.6	940.6
175°	925.3	932.0	939.7	948.3
177.5°	943.5	945.8	948.1	952.0
180°	951.2	951.2	951.2	951.2



TEST NUMBER: P1427906
 CATALOG NUMBER: SQ2W-PH1-K-075U-100D-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	19.84	20.80	20.70	21.68	22.78	18.67	19.63	19.52	20.50	21.61
	3H	22.02	22.88	22.89	23.77	24.90	19.72	20.58	20.59	21.47	22.60
	4H	22.84	23.65	23.73	24.54	25.69	19.97	20.78	20.86	21.68	22.82
	6H	23.31	24.06	24.21	24.96	26.12	20.12	20.87	21.02	21.77	22.92
	8H	23.47	24.18	24.37	25.10	26.25	20.18	20.89	21.09	21.81	22.97
	12H	23.53	24.21	24.44	25.12	26.30	20.20	20.87	21.11	21.79	22.97
4H	2H	20.29	21.10	21.18	21.99	23.13	19.36	20.17	20.25	21.07	22.21
	3H	22.55	23.22	23.45	24.15	25.31	20.60	21.28	21.50	22.20	23.36
	4H	23.42	24.04	24.34	24.96	26.14	20.90	21.51	21.81	22.43	23.62
	6H	23.99	24.52	24.92	25.46	26.65	21.10	21.63	22.03	22.58	23.76
	8H	24.19	24.69	25.12	25.63	26.83	21.19	21.69	22.12	22.63	23.83
	12H	24.28	24.73	25.23	25.69	26.89	21.22	21.67	22.17	22.63	23.83
8H	4H	23.45	23.95	24.39	24.89	26.09	21.13	21.63	22.07	22.57	23.77
	6H	24.09	24.50	25.05	25.48	26.68	21.41	21.81	22.36	22.80	23.99
	8H	24.35	24.71	25.32	25.68	26.90	21.55	21.91	22.52	22.89	24.10
	12H	24.49	24.80	25.46	25.77	27.03	21.62	21.94	22.59	22.90	24.17
12H	4H	23.41	23.86	24.36	24.81	26.02	21.13	21.58	22.09	22.54	23.74
	6H	24.06	24.43	25.03	25.40	26.61	21.44	21.80	22.41	22.78	23.99
	8H	24.34	24.66	25.31	25.62	26.89	21.61	21.93	22.58	22.89	24.16