

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: P1427923

Luminaire Tested: SQ2W-PH1-K-100U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427923
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-100U-075D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

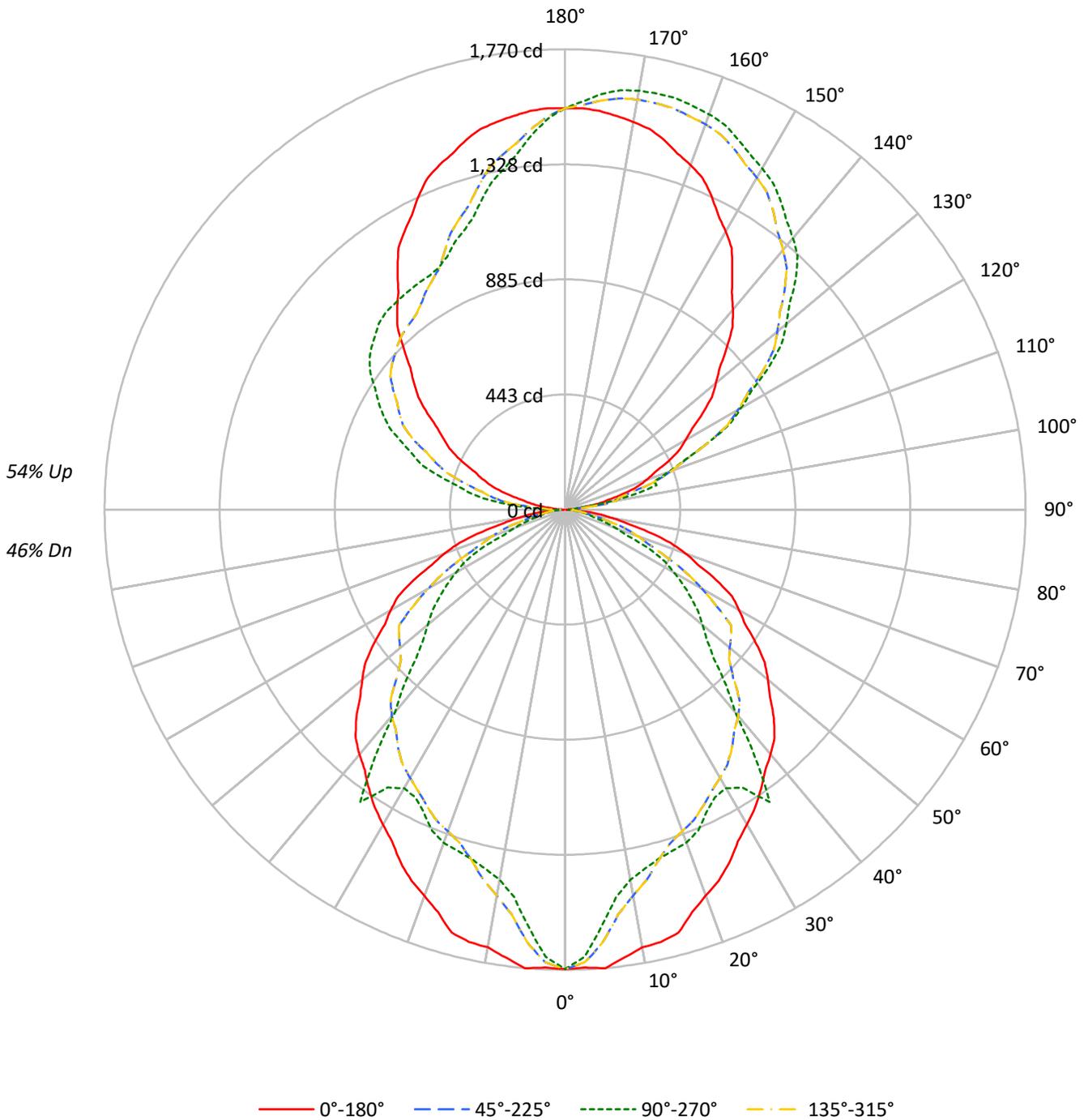
Lumens per Lamp: N/A
Luminaire Lumens: 8419.0 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 59.8
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	50	30	10	0	
RCR																						
0	106	106	106	106	98	98	98	98	81	81	81	67	67	67	53	53	53	46				
1	97	93	89	86	89	86	82	79	72	69	67	59	57	56	47	46	45	40				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	33				
3	81	72	64	59	74	66	60	55	56	51	47	46	43	40	37	35	33	28				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	56	48	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	32	53	42	35	30	36	31	27	30	26	23	25	22	19	17				
8	54	41	34	29	49	39	32	27	33	27	24	28	23	20	23	20	17	15				
9	50	38	30	25	46	35	29	24	30	25	21	25	21	18	21	18	16	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	28528	28528	28528	28528
5°	28692	26076	28692	26076
10°	28032	23703	28032	23703
15°	28157	23239	28157	23239
20°	27152	23426	27152	23426
25°	26656	22881	26656	22881
30°	26076	23069	26076	23069
35°	25879	27038	25879	27038
40°	25901	21437	25901	21437
45°	25911	18463	25911	18463
50°	25548	17314	25548	17314
55°	25224	16611	25224	16611
60°	24971	15580	24971	15580
65°	24534	13551	24534	13551
70°	23174	9682	23174	9682
75°	20661	7342	20661	7342
80°	16885	6880	16885	6880
85°	10596	4668	10596	4668

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25911 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.5	1.8
10°-20°	409.0	4.9
20°-30°	599.6	7.1
30°-40°	726.0	8.6
40°-50°	713.9	8.5
50°-60°	621.0	7.4
60°-70°	431.9	5.1
70°-80°	204.8	2.4
80°-90°	51.6	0.6
90°-100°	122.8	1.5
100°-110°	358.2	4.3
110°-120°	584.5	6.9
120°-130°	741.7	8.8
130°-140°	793.6	9.4
140°-150°	741.1	8.8
150°-160°	609.8	7.2
160°-170°	409.0	4.9
170°-180°	145.2	1.7
0°-30°	1164.0	13.8
0°-40°	1890.0	22.4
0°-60°	3224.9	38.3
0°-90°	3913.2	46.5
90°-120°	1065.5	12.7
90°-150°	3341.8	39.7
90°-180°	4506.0	53.5
0°-180°	8419.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1767	1767	1767	1767	1767	
5°	1770	1609	1770	1609	1770	166
15°	1684	1390	1684	1390	1684	470
25°	1496	1284	1496	1284	1496	688
35°	1313	1372	1313	1372	1313	822
45°	1135	809	1135	809	1135	872
55°	896	590	896	590	896	800
65°	642	355	642	355	642	631
75°	331	118	331	118	331	351
85°	57	25	57	25	57	77
90°	5	34	5	67	5	5
95°	48	36	48	210	48	58
105°	228	365	228	502	228	242
115°	436	605	436	745	436	430
125°	645	959	645	913	645	577
135°	878	1255	878	1012	878	678
145°	1121	1446	1121	1034	1121	701
155°	1331	1571	1331	1072	1331	612
165°	1472	1638	1472	1235	1472	414
175°	1538	1604	1538	1448	1538	146
180°	1543	1543	1543	1543	1543	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9
2.5°	1762.9	1771.3	1779.6	1767.8	1749.3	1736.4	1729.3	1723.6	1722.4	1721.2	1722.4
5°	1770.3	1769.5	1768.8	1733.9	1687.5	1652.8	1629.6	1611.9	1610.4	1608.9	1610.4
7.5°	1738.0	1714.8	1691.7	1644.8	1589.9	1549.7	1524.2	1504.7	1503.5	1502.3	1503.5
10°	1709.8	1674.6	1639.5	1586.5	1527.4	1486.4	1463.2	1445.8	1445.8	1445.8	1445.8
12.5°	1703.0	1647.6	1592.2	1534.0	1475.0	1436.9	1419.7	1407.7	1411.3	1414.9	1411.3
15°	1684.5	1600.9	1517.2	1458.1	1407.3	1379.7	1375.2	1373.9	1382.1	1390.3	1382.1
17.5°	1623.4	1533.2	1443.1	1391.2	1352.1	1337.3	1346.9	1356.4	1366.0	1375.5	1366.0
20°	1580.3	1491.4	1402.5	1354.5	1320.1	1311.9	1329.8	1345.5	1354.5	1363.4	1354.5
22.5°	1544.0	1453.9	1363.8	1321.3	1294.7	1291.3	1311.0	1327.0	1331.8	1336.5	1331.8
25°	1496.3	1394.6	1293.0	1262.0	1254.5	1259.4	1276.6	1288.9	1286.7	1284.4	1286.7
27.5°	1439.1	1333.0	1226.9	1207.0	1215.8	1225.4	1235.9	1244.1	1245.4	1246.8	1245.4
30°	1398.7	1292.6	1186.5	1170.7	1184.9	1197.2	1207.7	1217.9	1227.6	1237.4	1227.6
32.5°	1359.7	1250.1	1140.4	1129.0	1150.3	1173.4	1198.2	1222.4	1244.7	1266.9	1244.7
35°	1313.0	1198.7	1084.4	1075.4	1101.5	1135.2	1176.3	1225.4	1298.6	1371.8	1298.6
37.5°	1263.9	1141.4	1018.8	1014.8	1050.2	1085.6	1121.0	1153.4	1176.7	1200.0	1176.7
40°	1228.9	1100.4	971.9	971.7	1014.3	1058.4	1104.0	1124.7	1070.9	1017.1	1070.9
42.5°	1191.3	1062.8	934.3	930.5	968.3	1016.9	1076.2	1098.0	1007.1	916.2	1007.1
45°	1134.8	1001.1	867.3	862.4	900.6	927.5	943.1	938.7	873.7	808.6	873.7
47.5°	1068.2	940.8	813.3	812.2	853.3	856.3	821.2	788.5	763.1	737.7	763.1
50°	1017.1	896.8	776.5	781.8	828.8	824.3	768.3	722.2	705.7	689.3	705.7
52.5°	967.4	853.0	738.7	752.6	809.2	800.3	725.7	667.0	656.0	644.9	656.0
55°	896.1	786.2	676.4	707.8	786.2	774.3	671.9	594.6	592.3	590.1	592.3
57.5°	820.4	716.6	612.7	634.5	698.1	685.6	596.8	531.2	535.1	539.0	535.1
60°	773.3	672.5	571.6	574.4	611.8	599.8	538.5	491.5	487.0	482.5	487.0
62.5°	723.6	627.5	531.4	517.5	530.9	516.9	475.3	443.0	438.6	434.1	438.6
65°	642.2	554.8	467.4	441.0	435.1	414.9	380.5	354.7	354.7	354.7	354.7
67.5°	552.8	476.6	400.3	370.9	357.0	336.9	310.8	286.7	268.8	250.8	268.8
70°	490.9	423.7	356.4	325.6	306.9	283.0	253.9	229.0	217.1	205.1	217.1
72.5°	425.0	367.3	309.6	278.1	255.2	231.9	208.1	186.9	173.1	159.4	173.1
75°	331.2	284.9	238.5	207.9	182.5	159.0	137.3	120.7	119.2	117.7	119.2
77.5°	239.4	205.6	171.9	147.0	125.2	108.9	98.0	89.8	90.0	90.1	90.0
80°	181.6	156.2	130.8	107.6	85.2	73.6	72.9	72.5	73.2	74.0	73.2
82.5°	127.8	108.9	90.1	75.3	61.9	55.7	56.7	57.5	57.7	57.8	57.7
85°	57.2	48.2	39.2	35.9	34.4	32.1	29.1	26.7	26.0	25.2	26.0
87.5°	13.0	13.7	14.7	14.4	13.5	13.0	13.0	13.3	13.6	13.6	13.6
90°	4.7	10.9	18.7	24.9	29.6	31.2	31.2	32.7	34.3	34.3	34.3
92.5°	17.1	27.1	27.4	27.4	33.4	36.2	38.7	39.0	40.5	40.5	40.5
95°	48.3	53.0	79.5	77.9	53.0	42.1	35.9	35.9	35.9	35.9	35.9
97.5°	92.3	99.1	103.5	138.7	146.5	141.5	115.3	97.0	86.7	82.0	86.7
100°	130.9	134.1	143.4	145.0	183.9	221.3	202.6	179.3	171.5	166.8	171.5
102.5°	169.6	171.5	185.8	192.4	201.4	222.6	287.4	280.3	275.0	274.0	275.0
105°	227.6	229.1	255.6	268.1	274.3	274.3	272.8	304.0	353.8	364.8	353.8
107.5°	289.6	296.8	328.0	361.3	368.5	370.4	362.3	357.6	355.7	357.0	355.7
110°	332.0	342.9	380.3	422.4	433.3	436.5	433.3	428.7	425.5	425.5	425.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	373.2	389.1	431.5	479.8	498.2	507.5	500.7	497.2	494.1	496.6	494.1
115°	436.5	459.8	516.0	565.8	603.2	607.9	606.4	606.4	604.8	604.8	604.8
117.5°	495.1	532.5	595.5	653.4	696.8	709.2	715.5	713.6	711.7	714.9	711.7
120°	536.2	579.9	651.6	717.0	759.1	777.8	784.1	780.9	784.1	780.9	784.1
122.5°	579.9	633.5	703.9	771.9	821.5	842.7	850.2	850.8	851.4	849.5	851.4
125°	645.3	710.8	793.4	863.6	915.0	939.9	946.2	947.7	950.9	958.6	950.9
127.5°	711.4	785.6	876.3	944.0	996.7	1026.9	1036.6	1040.0	1046.6	1050.0	1046.6
130°	757.6	841.7	933.7	997.6	1049.1	1081.8	1098.9	1103.6	1111.4	1109.8	1111.4
132.5°	806.2	894.1	987.3	1053.7	1101.4	1136.7	1151.3	1164.7	1167.5	1169.7	1167.5
135°	877.6	972.7	1066.2	1131.7	1176.9	1211.2	1229.9	1242.3	1250.1	1254.8	1250.1
137.5°	952.7	1053.1	1142.9	1201.2	1246.7	1276.3	1297.5	1310.6	1318.7	1322.5	1318.7
140°	1003.9	1100.5	1187.8	1248.6	1289.1	1318.7	1337.4	1353.0	1362.4	1362.4	1362.4
142.5°	1052.5	1147.9	1232.7	1293.5	1329.0	1356.1	1376.1	1387.9	1398.5	1398.5	1398.5
145°	1120.8	1215.8	1293.8	1354.6	1384.2	1409.1	1431.0	1440.3	1446.5	1446.5	1446.5
147.5°	1192.2	1276.3	1347.4	1405.7	1430.6	1459.9	1477.1	1484.6	1492.4	1488.9	1492.4
150°	1234.6	1312.5	1381.1	1435.6	1460.6	1488.6	1505.8	1512.0	1519.8	1515.1	1519.8
152.5°	1275.7	1349.9	1412.3	1463.1	1484.3	1512.3	1532.0	1538.2	1543.5	1540.1	1543.5
155°	1331.2	1396.7	1454.3	1501.1	1519.8	1546.3	1565.0	1572.8	1579.0	1571.2	1579.0
157.5°	1380.8	1437.2	1487.4	1530.4	1550.4	1573.1	1590.6	1600.2	1606.5	1603.0	1606.5
160°	1410.7	1462.1	1507.3	1547.9	1566.6	1586.8	1605.5	1616.5	1622.7	1618.0	1622.7
162.5°	1435.6	1482.1	1524.8	1561.6	1577.8	1595.6	1618.0	1627.7	1633.9	1628.0	1633.9
165°	1471.5	1508.9	1546.3	1577.5	1591.5	1605.5	1628.9	1639.8	1644.5	1638.3	1644.5
167.5°	1498.6	1527.3	1557.5	1584.3	1594.6	1608.3	1631.7	1640.8	1646.7	1638.9	1646.7
170°	1513.6	1538.5	1565.0	1586.8	1594.6	1607.1	1630.5	1638.3	1643.0	1635.2	1643.0
172.5°	1526.0	1544.7	1566.3	1585.6	1589.6	1599.6	1621.8	1629.5	1633.0	1626.4	1633.0
175°	1538.5	1549.4	1565.0	1577.5	1575.9	1582.2	1600.9	1607.1	1613.3	1604.0	1613.3
177.5°	1544.4	1549.4	1554.4	1561.9	1556.9	1556.9	1570.6	1574.4	1575.6	1570.6	1575.6
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9
2.5°	1723.6	1729.3	1736.4	1749.3	1767.8	1779.6	1771.3	1762.9	1771.3	1779.6	1767.8
5°	1611.9	1629.6	1652.8	1687.5	1733.9	1768.8	1769.5	1770.3	1769.5	1768.8	1733.9
7.5°	1504.7	1524.2	1549.7	1589.9	1644.8	1691.7	1714.8	1738.0	1714.8	1691.7	1644.8
10°	1445.8	1463.2	1486.4	1527.4	1586.5	1639.5	1674.6	1709.8	1674.6	1639.5	1586.5
12.5°	1407.7	1419.7	1436.9	1475.0	1534.0	1592.2	1647.6	1703.0	1647.6	1592.2	1534.0
15°	1373.9	1375.2	1379.7	1407.3	1458.1	1517.2	1600.9	1684.5	1600.9	1517.2	1458.1
17.5°	1356.4	1346.9	1337.3	1352.1	1391.2	1443.1	1533.2	1623.4	1533.2	1443.1	1391.2
20°	1345.5	1329.8	1311.9	1320.1	1354.5	1402.5	1491.4	1580.3	1491.4	1402.5	1354.5
22.5°	1327.0	1311.0	1291.3	1294.7	1321.3	1363.8	1453.9	1544.0	1453.9	1363.8	1321.3
25°	1288.9	1276.6	1259.4	1254.5	1262.0	1293.0	1394.6	1496.3	1394.6	1293.0	1262.0
27.5°	1244.1	1235.9	1225.4	1215.8	1207.0	1226.9	1333.0	1439.1	1333.0	1226.9	1207.0
30°	1217.9	1207.7	1197.2	1184.9	1170.7	1186.5	1292.6	1398.7	1292.6	1186.5	1170.7
32.5°	1222.4	1198.2	1173.4	1150.3	1129.0	1140.4	1250.1	1359.7	1250.1	1140.4	1129.0
35°	1225.4	1176.3	1135.2	1101.5	1075.4	1084.4	1198.7	1313.0	1198.7	1084.4	1075.4
37.5°	1153.4	1121.0	1085.6	1050.2	1014.8	1018.8	1141.4	1263.9	1141.4	1018.8	1014.8
40°	1124.7	1104.0	1058.4	1014.3	971.7	971.9	1100.4	1228.9	1100.4	971.9	971.7
42.5°	1098.0	1076.2	1016.9	968.3	930.5	934.3	1062.8	1191.3	1062.8	934.3	930.5
45°	938.7	943.1	927.5	900.6	862.4	867.3	1001.1	1134.8	1001.1	867.3	862.4
47.5°	788.5	821.2	856.3	853.3	812.2	813.3	940.8	1068.2	940.8	813.3	812.2
50°	722.2	768.3	824.3	828.8	781.8	776.5	896.8	1017.1	896.8	776.5	781.8
52.5°	667.0	725.7	800.3	809.2	752.6	738.7	853.0	967.4	853.0	738.7	752.6
55°	594.6	671.9	774.3	786.2	707.8	676.4	786.2	896.1	786.2	676.4	707.8
57.5°	531.2	596.8	685.6	698.1	634.5	612.7	716.6	820.4	716.6	612.7	634.5
60°	491.5	538.5	599.8	611.8	574.4	571.6	672.5	773.3	672.5	571.6	574.4
62.5°	443.0	475.3	516.9	530.9	517.5	531.4	627.5	723.6	627.5	531.4	517.5
65°	354.7	380.5	414.9	435.1	441.0	467.4	554.8	642.2	554.8	467.4	441.0
67.5°	286.7	310.8	336.9	357.0	370.9	400.3	476.6	552.8	476.6	400.3	370.9
70°	229.0	253.9	283.0	306.9	325.6	356.4	423.7	490.9	423.7	356.4	325.6
72.5°	186.9	208.1	231.9	255.2	278.1	309.6	367.3	425.0	367.3	309.6	278.1
75°	120.7	137.3	159.0	182.5	207.9	238.5	284.9	331.2	284.9	238.5	207.9
77.5°	89.8	98.0	108.9	125.2	147.0	171.9	205.6	239.4	205.6	171.9	147.0
80°	72.5	72.9	73.6	85.2	107.6	130.8	156.2	181.6	156.2	130.8	107.6
82.5°	57.5	56.7	55.7	61.9	75.3	90.1	108.9	127.8	108.9	90.1	75.3
85°	26.7	29.1	32.1	34.4	35.9	39.2	48.2	57.2	48.2	39.2	35.9
87.5°	13.3	13.0	13.0	13.5	14.4	14.7	13.7	13.0	13.7	14.3	15.0
90°	32.7	31.2	31.2	29.6	24.9	18.7	10.9	4.7	10.9	17.1	28.1
92.5°	39.0	38.7	36.2	33.4	27.4	27.4	27.1	17.1	29.6	42.1	60.5
95°	35.9	35.9	42.1	53.0	77.9	79.5	53.0	48.3	68.6	96.6	121.6
97.5°	97.0	115.3	141.5	146.5	138.7	103.5	99.1	92.3	125.6	153.4	193.6
100°	179.3	202.6	221.3	183.9	145.0	143.4	134.1	130.9	166.8	193.3	232.3
102.5°	280.3	287.4	222.6	201.4	192.4	185.8	171.5	169.6	205.4	241.9	274.7
105°	304.0	272.8	274.3	274.3	268.1	255.6	229.1	227.6	268.1	310.2	350.7
107.5°	357.6	362.3	370.4	368.5	361.3	328.0	296.8	289.6	326.1	376.6	421.2
110°	428.7	433.3	436.5	433.3	422.4	380.3	342.9	332.0	364.8	417.8	466.1



TEST NUMBER: P1427923

CATALOG NUMBER: SQ2W-PH1-K-100U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	497.2	500.7	507.5	498.2	479.8	431.5	389.1	373.2	405.9	460.2	509.7
115°	606.4	606.4	607.9	603.2	565.8	516.0	459.8	436.5	464.5	514.4	569.0
117.5°	713.6	715.5	709.2	696.8	653.4	595.5	532.5	495.1	517.2	569.9	626.0
120°	780.9	784.1	777.8	759.1	717.0	651.6	579.9	536.2	553.4	604.8	660.9
122.5°	850.8	850.2	842.7	821.5	771.9	703.9	633.5	579.9	587.0	634.7	689.6
125°	947.7	946.2	939.9	915.0	863.6	793.4	710.8	645.3	636.0	676.5	732.6
127.5°	1040.0	1036.6	1026.9	996.7	944.0	876.3	785.6	711.4	690.5	716.1	767.5
130°	1103.6	1098.9	1081.8	1049.1	997.6	933.7	841.7	757.6	727.9	743.5	788.7
132.5°	1164.7	1151.3	1136.7	1101.4	1053.7	987.3	894.1	806.2	765.4	772.2	807.4
135°	1242.3	1229.9	1211.2	1176.9	1131.7	1066.2	972.7	877.6	821.5	815.2	835.5
137.5°	1310.6	1297.5	1276.3	1246.7	1201.2	1142.9	1053.1	952.7	882.0	861.1	868.9
140°	1353.0	1337.4	1318.7	1289.1	1248.6	1187.8	1100.5	1003.9	924.4	894.7	890.1
142.5°	1387.9	1376.1	1356.1	1329.0	1293.5	1232.7	1147.9	1052.5	968.0	929.7	918.7
145°	1440.3	1431.0	1409.1	1384.2	1354.6	1293.8	1215.8	1120.8	1036.6	986.7	963.3
147.5°	1484.6	1477.1	1459.9	1430.6	1405.7	1347.4	1276.3	1192.2	1105.8	1044.1	1013.8
150°	1512.0	1505.8	1488.6	1460.6	1435.6	1381.1	1312.5	1234.6	1151.9	1086.5	1047.5
152.5°	1538.2	1532.0	1512.3	1484.3	1463.1	1412.3	1349.9	1275.7	1191.8	1126.4	1086.2
155°	1572.8	1565.0	1546.3	1519.8	1501.1	1454.3	1396.7	1331.2	1259.5	1190.9	1145.7
157.5°	1600.2	1590.6	1573.1	1550.4	1530.4	1487.4	1437.2	1380.8	1318.1	1252.6	1206.5
160°	1616.5	1605.5	1586.8	1566.6	1547.9	1507.3	1462.1	1410.7	1353.0	1293.8	1243.9
162.5°	1627.7	1618.0	1595.6	1577.8	1561.6	1524.8	1482.1	1435.6	1384.2	1332.4	1286.3
165°	1639.8	1628.9	1605.5	1591.5	1577.5	1546.3	1508.9	1471.5	1427.8	1385.8	1348.3
167.5°	1640.8	1631.7	1608.3	1594.6	1584.3	1557.5	1527.3	1498.6	1464.6	1431.6	1400.4
170°	1638.3	1630.5	1607.1	1594.6	1586.8	1565.0	1538.5	1513.6	1487.1	1459.0	1434.1
172.5°	1629.5	1621.8	1599.6	1589.6	1585.6	1566.3	1544.7	1526.0	1503.3	1482.7	1462.8
175°	1607.1	1600.9	1582.2	1575.9	1577.5	1565.0	1549.4	1538.5	1524.5	1512.0	1501.1
177.5°	1574.4	1570.6	1556.9	1556.9	1561.9	1554.4	1549.4	1544.4	1538.2	1534.5	1530.7
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9	1766.9
2.5°	1749.3	1736.4	1729.3	1723.6	1722.4	1721.2	1722.4	1723.6	1729.3	1736.4	1749.3
5°	1687.5	1652.8	1629.6	1611.9	1610.4	1608.9	1610.4	1611.9	1629.6	1652.8	1687.5
7.5°	1589.9	1549.7	1524.2	1504.7	1503.5	1502.3	1503.5	1504.7	1524.2	1549.7	1589.9
10°	1527.4	1486.4	1463.2	1445.8	1445.8	1445.8	1445.8	1445.8	1463.2	1486.4	1527.4
12.5°	1475.0	1436.9	1419.7	1407.7	1411.3	1414.9	1411.3	1407.7	1419.7	1436.9	1475.0
15°	1407.3	1379.7	1375.2	1373.9	1382.1	1390.3	1382.1	1373.9	1375.2	1379.7	1407.3
17.5°	1352.1	1337.3	1346.9	1356.4	1366.0	1375.5	1366.0	1356.4	1346.9	1337.3	1352.1
20°	1320.1	1311.9	1329.8	1345.5	1354.5	1363.4	1354.5	1345.5	1329.8	1311.9	1320.1
22.5°	1294.7	1291.3	1311.0	1327.0	1331.8	1336.5	1331.8	1327.0	1311.0	1291.3	1294.7
25°	1254.5	1259.4	1276.6	1288.9	1286.7	1284.4	1286.7	1288.9	1276.6	1259.4	1254.5
27.5°	1215.8	1225.4	1235.9	1244.1	1245.4	1246.8	1245.4	1244.1	1235.9	1225.4	1215.8
30°	1184.9	1197.2	1207.7	1217.9	1227.6	1237.4	1227.6	1217.9	1207.7	1197.2	1184.9
32.5°	1150.3	1173.4	1198.2	1222.4	1244.7	1266.9	1244.7	1222.4	1198.2	1173.4	1150.3
35°	1101.5	1135.2	1176.3	1225.4	1298.6	1371.8	1298.6	1225.4	1176.3	1135.2	1101.5
37.5°	1050.2	1085.6	1121.0	1153.4	1176.7	1200.0	1176.7	1153.4	1121.0	1085.6	1050.2
40°	1014.3	1058.4	1104.0	1124.7	1070.9	1017.1	1070.9	1124.7	1104.0	1058.4	1014.3
42.5°	968.3	1016.9	1076.2	1098.0	1007.1	916.2	1007.1	1098.0	1076.2	1016.9	968.3
45°	900.6	927.5	943.1	938.7	873.7	808.6	873.7	938.7	943.1	927.5	900.6
47.5°	853.3	856.3	821.2	788.5	763.1	737.7	763.1	788.5	821.2	856.3	853.3
50°	828.8	824.3	768.3	722.2	705.7	689.3	705.7	722.2	768.3	824.3	828.8
52.5°	809.2	800.3	725.7	667.0	656.0	644.9	656.0	667.0	725.7	800.3	809.2
55°	786.2	774.3	671.9	594.6	592.3	590.1	592.3	594.6	671.9	774.3	786.2
57.5°	698.1	685.6	596.8	531.2	535.1	539.0	535.1	531.2	596.8	685.6	698.1
60°	611.8	599.8	538.5	491.5	487.0	482.5	487.0	491.5	538.5	599.8	611.8
62.5°	530.9	516.9	475.3	443.0	438.6	434.1	438.6	443.0	475.3	516.9	530.9
65°	435.1	414.9	380.5	354.7	354.7	354.7	354.7	380.5	414.9	435.1	435.1
67.5°	357.0	336.9	310.8	286.7	268.8	250.8	268.8	286.7	310.8	336.9	357.0
70°	306.9	283.0	253.9	229.0	217.1	205.1	217.1	229.0	253.9	283.0	306.9
72.5°	255.2	231.9	208.1	186.9	173.1	159.4	173.1	186.9	208.1	231.9	255.2
75°	182.5	159.0	137.3	120.7	119.2	117.7	119.2	120.7	137.3	159.0	182.5
77.5°	125.2	108.9	98.0	89.8	90.0	90.1	90.0	89.8	98.0	108.9	125.2
80°	85.2	73.6	72.9	72.5	73.2	74.0	73.2	72.5	72.9	73.6	85.2
82.5°	61.9	55.7	56.7	57.5	57.7	57.8	57.7	57.5	56.7	55.7	61.9
85°	34.4	32.1	29.1	26.7	26.0	25.2	26.0	26.7	29.1	32.1	34.4
87.5°	14.8	16.1	18.3	19.5	20.8	20.1	20.8	19.5	18.3	16.1	14.8
90°	35.9	46.8	57.7	63.9	70.1	67.0	70.1	63.9	57.7	46.8	35.9
92.5°	72.0	90.4	103.8	115.0	120.0	119.4	120.0	115.0	103.8	90.4	72.0
95°	145.0	166.8	188.6	204.2	213.6	210.4	213.6	204.2	188.6	166.8	145.0
97.5°	223.5	252.8	277.2	291.8	301.2	307.4	301.2	291.8	277.2	252.8	223.5
100°	275.9	304.0	332.0	349.2	364.8	371.0	364.8	349.2	332.0	304.0	275.9
102.5°	318.3	355.1	385.6	404.0	417.1	423.4	417.1	404.0	385.6	355.1	318.3
105°	388.1	427.1	459.8	483.2	497.2	501.9	497.2	483.2	459.8	427.1	388.1
107.5°	458.0	498.2	528.4	554.3	571.4	581.4	571.4	554.3	528.4	498.2	458.0
110°	512.8	545.6	578.3	601.7	618.8	625.1	618.8	601.7	578.3	545.6	512.8



TEST NUMBER: P1427923

CATALOG NUMBER: SQ2W-PH1-K-100U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	559.0	595.5	628.2	651.6	671.2	679.9	671.2	651.6	628.2	595.5	559.0
115°	623.5	671.8	701.4	723.3	737.3	745.1	737.3	723.3	701.4	671.8	623.5
117.5°	677.1	727.6	760.1	776.9	783.4	789.1	783.4	776.9	760.1	727.6	677.1
120°	710.8	757.6	795.0	816.8	824.6	827.7	824.6	816.8	795.0	757.6	710.8
122.5°	742.0	786.2	822.4	849.2	862.0	865.1	862.0	849.2	822.4	786.2	742.0
125°	785.6	827.7	865.1	891.6	905.6	913.4	905.6	891.6	865.1	827.7	785.6
127.5°	823.7	869.2	903.5	927.5	941.2	947.4	941.2	927.5	903.5	869.2	823.7
130°	844.9	891.6	925.9	952.4	964.9	971.1	964.9	952.4	925.9	891.6	844.9
132.5°	861.1	910.3	945.9	969.9	983.6	989.8	983.6	969.9	945.9	910.3	861.1
135°	880.7	932.1	969.6	992.9	1005.4	1011.6	1005.4	992.9	969.6	932.1	880.7
137.5°	897.9	944.6	983.6	1008.2	1019.4	1023.5	1019.4	1008.2	983.6	944.6	897.9
140°	910.3	950.9	989.8	1013.2	1025.7	1027.2	1025.7	1013.2	989.8	950.9	910.3
142.5°	926.5	958.3	992.3	1015.7	1028.2	1031.0	1028.2	1015.7	992.3	958.3	926.5
145°	955.5	974.2	997.6	1019.4	1030.4	1033.5	1030.4	1019.4	997.6	974.2	955.5
147.5°	992.0	997.9	1010.1	1024.4	1035.0	1037.2	1035.0	1024.4	1010.1	997.9	992.0
150°	1019.4	1017.9	1022.6	1031.9	1041.3	1039.7	1041.3	1031.9	1022.6	1017.9	1019.4
152.5°	1050.6	1041.6	1041.3	1045.6	1050.0	1049.7	1050.0	1045.6	1041.3	1041.6	1050.6
155°	1103.6	1086.5	1077.1	1074.0	1074.0	1072.4	1074.0	1074.0	1077.1	1086.5	1103.6
157.5°	1161.9	1137.9	1123.9	1116.4	1114.2	1110.8	1114.2	1116.4	1123.9	1137.9	1161.9
160°	1201.8	1175.3	1161.3	1148.8	1144.1	1139.5	1144.1	1148.8	1161.3	1175.3	1201.8
162.5°	1239.2	1214.0	1198.7	1187.5	1182.8	1175.6	1182.8	1187.5	1198.7	1214.0	1239.2
165°	1300.0	1273.5	1256.4	1247.0	1240.8	1234.6	1240.8	1247.0	1256.4	1273.5	1300.0
167.5°	1360.8	1331.8	1320.6	1310.0	1304.1	1292.8	1304.1	1310.0	1320.6	1331.8	1360.8
170°	1398.2	1371.7	1365.5	1356.1	1345.2	1332.8	1345.2	1356.1	1365.5	1371.7	1398.2
172.5°	1430.6	1412.9	1406.6	1397.3	1393.9	1383.9	1393.9	1397.3	1406.6	1412.9	1430.6
175°	1477.7	1463.7	1463.7	1462.1	1457.5	1448.1	1457.5	1462.1	1463.7	1463.7	1477.7
177.5°	1517.0	1509.5	1514.5	1514.5	1513.3	1504.5	1513.3	1514.5	1514.5	1509.5	1517.0
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1427923

CATALOG NUMBER: SQ2W-PH1-K-100U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1766.9	1766.9	1766.9	1766.9
2.5°	1767.8	1779.6	1771.3	1762.9
5°	1733.9	1768.8	1769.5	1770.3
7.5°	1644.8	1691.7	1714.8	1738.0
10°	1586.5	1639.5	1674.6	1709.8
12.5°	1534.0	1592.2	1647.6	1703.0
15°	1458.1	1517.2	1600.9	1684.5
17.5°	1391.2	1443.1	1533.2	1623.4
20°	1354.5	1402.5	1491.4	1580.3
22.5°	1321.3	1363.8	1453.9	1544.0
25°	1262.0	1293.0	1394.6	1496.3
27.5°	1207.0	1226.9	1333.0	1439.1
30°	1170.7	1186.5	1292.6	1398.7
32.5°	1129.0	1140.4	1250.1	1359.7
35°	1075.4	1084.4	1198.7	1313.0
37.5°	1014.8	1018.8	1141.4	1263.9
40°	971.7	971.9	1100.4	1228.9
42.5°	930.5	934.3	1062.8	1191.3
45°	862.4	867.3	1001.1	1134.8
47.5°	812.2	813.3	940.8	1068.2
50°	781.8	776.5	896.8	1017.1
52.5°	752.6	738.7	853.0	967.4
55°	707.8	676.4	786.2	896.1
57.5°	634.5	612.7	716.6	820.4
60°	574.4	571.6	672.5	773.3
62.5°	517.5	531.4	627.5	723.6
65°	441.0	467.4	554.8	642.2
67.5°	370.9	400.3	476.6	552.8
70°	325.6	356.4	423.7	490.9
72.5°	278.1	309.6	367.3	425.0
75°	207.9	238.5	284.9	331.2
77.5°	147.0	171.9	205.6	239.4
80°	107.6	130.8	156.2	181.6
82.5°	75.3	90.1	108.9	127.8
85°	35.9	39.2	48.2	57.2
87.5°	15.0	14.3	13.7	13.0
90°	28.1	17.1	10.9	4.7
92.5°	60.5	42.1	29.6	17.1
95°	121.6	96.6	68.6	48.3
97.5°	193.6	153.4	125.6	92.3
100°	232.3	193.3	166.8	130.9
102.5°	274.7	241.9	205.4	169.6
105°	350.7	310.2	268.1	227.6
107.5°	421.2	376.6	326.1	289.6
110°	466.1	417.8	364.8	332.0



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	509.7	460.2	405.9	373.2
115°	569.0	514.4	464.5	436.5
117.5°	626.0	569.9	517.2	495.1
120°	660.9	604.8	553.4	536.2
122.5°	689.6	634.7	587.0	579.9
125°	732.6	676.5	636.0	645.3
127.5°	767.5	716.1	690.5	711.4
130°	788.7	743.5	727.9	757.6
132.5°	807.4	772.2	765.4	806.2
135°	835.5	815.2	821.5	877.6
137.5°	868.9	861.1	882.0	952.7
140°	890.1	894.7	924.4	1003.9
142.5°	918.7	929.7	968.0	1052.5
145°	963.3	986.7	1036.6	1120.8
147.5°	1013.8	1044.1	1105.8	1192.2
150°	1047.5	1086.5	1151.9	1234.6
152.5°	1086.2	1126.4	1191.8	1275.7
155°	1145.7	1190.9	1259.5	1331.2
157.5°	1206.5	1252.6	1318.1	1380.8
160°	1243.9	1293.8	1353.0	1410.7
162.5°	1286.3	1332.4	1384.2	1435.6
165°	1348.3	1385.8	1427.8	1471.5
167.5°	1400.4	1431.6	1464.6	1498.6
170°	1434.1	1459.0	1487.1	1513.6
172.5°	1462.8	1482.7	1503.3	1526.0
175°	1501.1	1512.0	1524.5	1538.5
177.5°	1530.7	1534.5	1538.2	1544.4
180°	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1427923
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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	18.18	19.01	19.17	20.01	21.33	17.01	17.83	18.00	18.83	20.15
	3H	20.35	21.09	21.35	22.10	23.44	18.06	18.79	19.06	19.80	21.15
	4H	21.17	21.86	22.18	22.88	24.23	18.30	19.00	19.31	20.01	21.36
	6H	21.63	22.27	22.65	23.29	24.65	18.44	19.08	19.46	20.10	21.46
	8H	21.78	22.39	22.81	23.43	24.78	18.50	19.11	19.52	20.14	21.50
	12H	21.84	22.42	22.87	23.45	24.83	18.51	19.09	19.54	20.11	21.50
4H	2H	18.61	19.31	19.63	20.32	21.67	17.69	18.39	18.71	19.40	20.75
	3H	20.86	21.44	21.89	22.48	23.85	18.92	19.50	19.94	20.54	21.90
	4H	21.73	22.26	22.77	23.30	24.68	19.21	19.74	20.24	20.77	22.16
	6H	22.29	22.75	23.33	23.80	25.18	19.40	19.86	20.45	20.91	22.30
	8H	22.49	22.92	23.54	23.97	25.36	19.49	19.92	20.54	20.97	22.36
	12H	22.57	22.96	23.64	24.02	25.42	19.51	19.90	20.58	20.96	22.36
8H	4H	21.75	22.18	22.80	23.23	24.62	19.43	19.86	20.48	20.91	22.30
	6H	22.38	22.73	23.45	23.82	25.22	19.70	20.05	20.77	21.14	22.54
	8H	22.64	22.95	23.72	24.03	25.44	19.84	20.15	20.92	21.23	22.64
	12H	22.77	23.04	23.85	24.11	25.57	19.91	20.18	20.99	21.25	22.70
12H	4H	21.70	22.09	22.77	23.15	24.55	19.43	19.81	20.49	20.87	22.28
	6H	22.36	22.66	23.43	23.74	25.15	19.73	20.04	20.81	21.12	22.53
	8H	22.63	22.90	23.71	23.97	25.42	19.89	20.17	20.97	21.23	22.69