

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: P1427905

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427905
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-L840-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

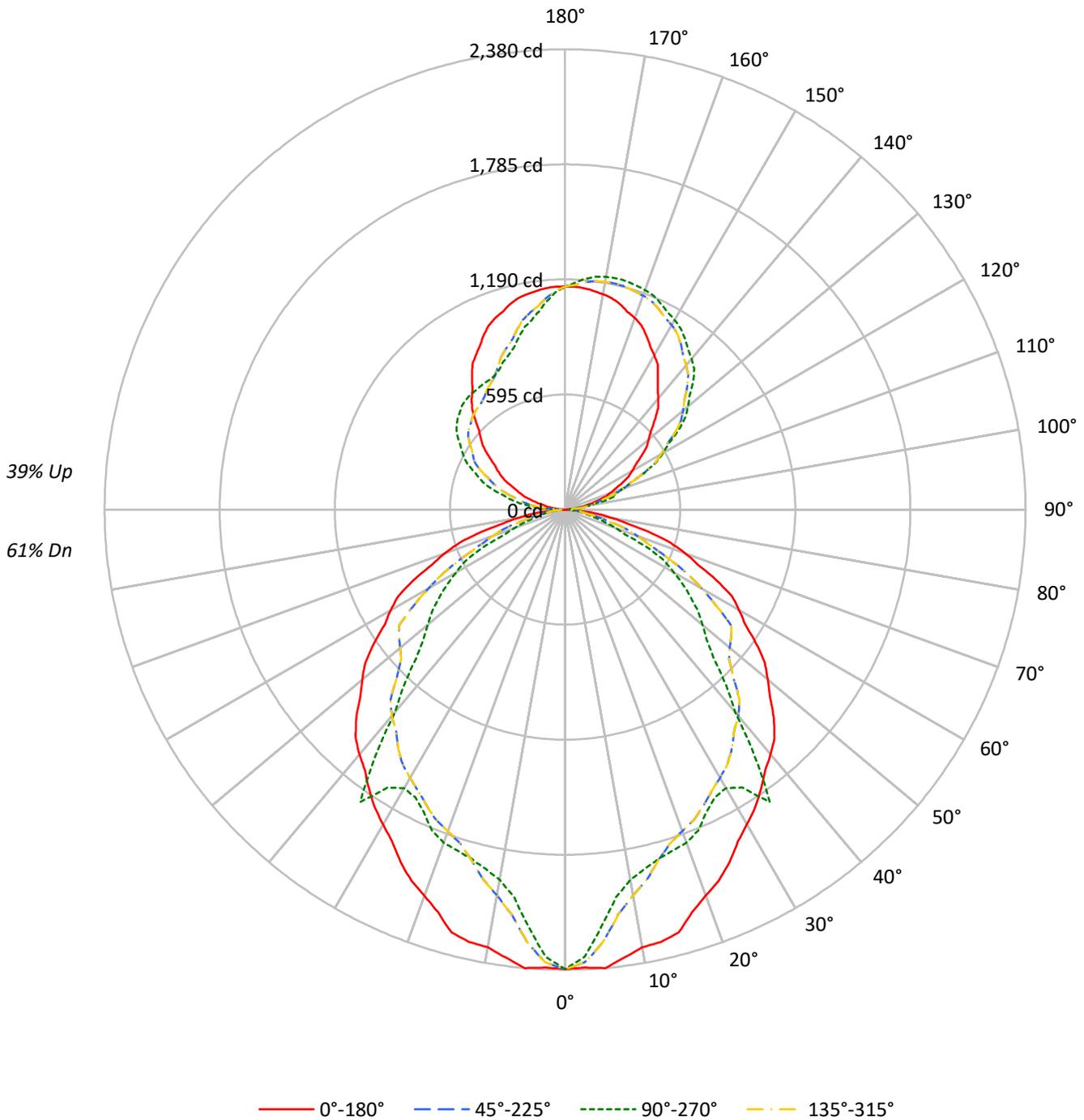
Lumens per Lamp: N/A
Luminaire Lumens: 8622.8 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (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	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°	38357	38357	38357	38357
5°	38576	35059	38576	35059
10°	37688	31870	37688	31870
15°	37858	31246	37858	31246
20°	36506	31498	36506	31498
25°	35838	30764	35838	30764
30°	35061	31015	35061	31015
35°	34794	36355	34794	36355
40°	34825	28822	34825	28822
45°	34839	24824	34839	24824
50°	34349	23279	34349	23279
55°	33914	22333	33914	22333
60°	33576	20947	33576	20947
65°	32989	18219	32989	18219
70°	31156	13020	31156	13020
75°	27779	9869	27779	9869
80°	22696	9251	22696	9251
85°	14246	6280	14246	6280

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34839 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.0	2.4
10°-20°	549.8	6.4
20°-30°	806.1	9.3
30°-40°	976.1	11.3
40°-50°	959.9	11.1
50°-60°	834.9	9.7
60°-70°	580.7	6.7
70°-80°	275.4	3.2
80°-90°	65.5	0.8
90°-100°	91.7	1.1
100°-110°	267.5	3.1
110°-120°	436.5	5.1
120°-130°	553.9	6.4
130°-140°	592.7	6.9
140°-150°	553.5	6.4
150°-160°	455.4	5.3
160°-170°	305.4	3.5
170°-180°	108.5	1.3
0°-30°	1565.0	18.1
0°-40°	2541.1	29.5
0°-60°	4336.0	50.3
0°-90°	5257.5	61.0
90°-120°	795.8	9.2
90°-150°	2495.9	28.9
90°-180°	3365.0	39.0
0°-180°	8622.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2376	2376	2376	2376	2376	
5°	2380	2163	2380	2163	2380	224
15°	2265	1869	2265	1869	2265	631
25°	2012	1727	2012	1727	2012	925
35°	1765	1844	1765	1844	1765	1106
45°	1526	1087	1526	1087	1526	1173
55°	1205	793	1205	793	1205	1076
65°	864	477	864	477	864	848
75°	445	158	445	158	445	472
85°	77	34	77	34	77	103
90°	4	26	4	50	4	5
95°	36	27	36	157	36	44
105°	170	272	170	375	170	181
115°	326	452	326	556	326	321
125°	482	716	482	682	482	431
135°	655	937	655	756	655	506
145°	837	1080	837	772	837	524
155°	994	1174	994	801	994	457
165°	1099	1224	1099	922	1099	309
175°	1149	1198	1149	1082	1149	109
180°	1153	1153	1153	1153	1153	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7
2.5°	2370.2	2381.5	2392.7	2376.9	2351.9	2334.7	2325.0	2317.4	2315.8	2314.2	2315.8
5°	2380.2	2379.2	2378.2	2331.2	2268.9	2222.2	2191.1	2167.2	2165.2	2163.2	2165.2
7.5°	2336.8	2305.6	2274.5	2211.4	2137.7	2083.6	2049.3	2023.1	2021.5	2019.9	2021.5
10°	2298.8	2251.6	2204.4	2133.0	2053.7	1998.4	1967.3	1943.9	1943.9	1943.9	1943.9
12.5°	2289.8	2215.2	2140.7	2062.5	1983.1	1931.9	1908.8	1892.7	1897.5	1902.3	1897.5
15°	2264.9	2152.4	2039.9	1960.5	1892.2	1855.0	1849.0	1847.2	1858.3	1869.3	1858.3
17.5°	2182.6	2061.5	1940.3	1870.5	1817.9	1798.0	1810.9	1823.7	1836.6	1849.4	1836.6
20°	2124.7	2005.2	1885.7	1821.1	1774.9	1763.8	1788.0	1809.1	1821.1	1833.2	1821.1
22.5°	2075.9	1954.8	1833.6	1776.5	1740.7	1736.1	1762.6	1784.1	1790.6	1797.0	1790.6
25°	2011.7	1875.1	1738.5	1696.8	1686.7	1693.3	1716.4	1733.0	1729.9	1726.9	1729.9
27.5°	1934.9	1792.2	1649.6	1622.8	1634.7	1647.6	1661.7	1672.7	1674.5	1676.3	1674.5
30°	1880.6	1738.0	1595.3	1574.0	1593.1	1609.6	1623.7	1637.5	1650.6	1663.6	1650.6
32.5°	1828.2	1680.7	1533.2	1517.9	1546.6	1577.7	1611.0	1643.5	1673.5	1703.4	1673.5
35°	1765.3	1611.6	1457.9	1445.9	1481.0	1526.3	1581.5	1647.6	1746.0	1844.5	1746.0
37.5°	1699.3	1534.6	1369.8	1364.4	1412.0	1459.6	1507.2	1550.8	1582.1	1613.5	1582.1
40°	1652.3	1479.5	1306.7	1306.5	1363.8	1423.0	1484.3	1512.2	1439.9	1367.5	1439.9
42.5°	1601.7	1428.9	1256.1	1251.0	1301.9	1367.2	1446.9	1476.2	1354.1	1231.9	1354.1
45°	1525.8	1345.9	1166.1	1159.6	1210.8	1247.0	1268.1	1262.0	1174.6	1087.2	1174.6
47.5°	1436.2	1264.9	1093.5	1092.1	1147.3	1151.3	1104.1	1060.2	1026.0	991.9	1026.0
50°	1367.5	1205.8	1044.0	1051.1	1114.4	1108.3	1033.0	971.0	948.9	926.8	948.9
52.5°	1300.6	1146.9	993.2	1011.9	1088.0	1076.0	975.7	896.8	881.9	867.1	881.9
55°	1204.8	1057.1	909.4	951.6	1057.1	1041.0	903.4	799.4	796.4	793.4	796.4
57.5°	1103.1	963.4	823.8	853.1	938.7	921.8	802.4	714.2	719.5	724.7	719.5
60°	1039.8	904.1	768.5	772.3	822.5	806.5	724.1	660.8	654.8	648.7	654.8
62.5°	972.9	843.7	714.5	695.7	713.8	694.9	639.1	595.7	589.7	583.6	589.7
65°	863.5	745.9	628.4	593.0	584.9	557.8	511.6	476.9	476.9	476.9	476.9
67.5°	743.2	640.7	538.3	498.6	480.0	453.0	417.9	385.5	361.4	337.2	361.4
70°	660.0	569.6	479.2	437.8	412.6	380.5	341.3	307.9	291.8	275.8	291.8
72.5°	571.4	493.9	416.3	373.9	343.1	311.8	279.8	251.3	232.8	214.3	232.8
75°	445.3	383.0	320.7	279.5	245.4	213.7	184.6	162.2	160.2	158.2	160.2
77.5°	321.9	276.5	231.1	197.7	168.4	146.4	131.7	120.8	121.0	121.2	121.0
80°	244.1	210.0	175.8	144.7	114.5	99.0	97.9	97.4	98.5	99.5	98.5
82.5°	171.8	146.5	121.2	101.3	83.2	74.8	76.2	77.4	77.6	77.8	77.6
85°	76.9	64.8	52.7	48.2	46.2	43.2	39.2	35.9	34.9	33.9	34.9
87.5°	17.0	17.1	17.5	16.4	14.7	13.7	13.7	13.9	14.2	14.2	14.2
90°	3.5	8.1	14.0	18.6	22.1	23.3	23.3	24.4	25.6	25.6	25.6
92.5°	12.8	20.3	20.5	20.5	24.9	27.0	28.9	29.1	30.3	30.3	30.3
95°	36.1	39.6	59.4	58.2	39.6	31.4	26.8	26.8	26.8	26.8	26.8
97.5°	68.9	74.0	77.3	103.6	109.4	105.7	86.2	72.4	64.7	61.2	64.7
100°	97.8	100.1	107.1	108.3	137.4	165.3	151.3	133.9	128.1	124.6	128.1
102.5°	126.7	128.1	138.8	143.7	150.4	166.2	214.7	209.3	205.4	204.7	205.4
105°	170.0	171.1	190.9	200.2	204.9	204.9	203.7	227.0	264.3	272.4	264.3
107.5°	216.3	221.7	244.9	269.9	275.2	276.6	270.6	267.1	265.7	266.6	265.7
110°	248.0	256.1	284.1	315.5	323.6	326.0	323.6	320.2	317.8	317.8	317.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	278.7	290.6	322.3	358.3	372.1	379.1	373.9	371.4	369.1	370.9	369.1
115°	326.0	343.4	385.4	422.6	450.5	454.0	452.9	452.9	451.7	451.7	451.7
117.5°	369.7	397.7	444.7	488.0	520.4	529.7	534.4	533.0	531.6	533.9	531.6
120°	400.5	433.1	486.6	535.5	567.0	580.9	585.6	583.3	585.6	583.3	585.6
122.5°	433.1	473.1	525.8	576.5	613.5	629.4	635.0	635.4	635.9	634.5	635.9
125°	482.0	530.9	592.6	645.0	683.4	702.0	706.7	707.8	710.2	716.0	710.2
127.5°	531.3	586.8	654.5	705.0	744.4	767.0	774.2	776.8	781.6	784.2	781.6
130°	565.8	628.7	697.4	745.1	783.5	808.0	820.8	824.3	830.1	828.9	830.1
132.5°	602.1	667.8	737.4	787.0	822.6	848.9	859.9	869.9	872.0	873.6	872.0
135°	655.4	726.5	796.3	845.2	879.0	904.6	918.6	927.9	933.7	937.2	933.7
137.5°	711.6	786.5	853.6	897.1	931.1	953.2	969.1	978.9	984.9	987.7	984.9
140°	749.7	821.9	887.1	932.5	962.8	984.9	998.9	1010.5	1017.5	1017.5	1017.5
142.5°	786.1	857.3	920.6	966.1	992.6	1012.9	1027.8	1036.6	1044.5	1044.5	1044.5
145°	837.1	908.1	966.3	1011.7	1033.8	1052.4	1068.7	1075.7	1080.4	1080.4	1080.4
147.5°	890.4	953.2	1006.3	1049.9	1068.5	1090.4	1103.2	1108.8	1114.6	1112.0	1114.6
150°	922.0	980.3	1031.5	1072.2	1090.9	1111.8	1124.6	1129.3	1135.1	1131.6	1135.1
152.5°	952.8	1008.2	1054.8	1092.7	1108.6	1129.5	1144.2	1148.8	1152.8	1150.2	1152.8
155°	994.2	1043.1	1086.2	1121.1	1135.1	1154.9	1168.9	1174.7	1179.3	1173.5	1179.3
157.5°	1031.2	1073.4	1110.9	1143.0	1157.9	1174.9	1187.9	1195.2	1199.8	1197.3	1199.8
160°	1053.6	1092.0	1125.8	1156.1	1170.0	1185.2	1199.1	1207.3	1211.9	1208.4	1211.9
162.5°	1072.2	1106.9	1138.8	1166.3	1178.4	1191.7	1208.4	1215.7	1220.3	1215.9	1220.3
165°	1099.0	1126.9	1154.9	1178.2	1188.6	1199.1	1216.6	1224.7	1228.2	1223.6	1228.2
167.5°	1119.3	1140.7	1163.3	1183.3	1191.0	1201.2	1218.7	1225.4	1229.9	1224.0	1229.9
170°	1130.4	1149.1	1168.9	1185.2	1191.0	1200.3	1217.8	1223.6	1227.1	1221.2	1227.1
172.5°	1139.8	1153.7	1169.8	1184.2	1187.3	1194.7	1211.2	1217.1	1219.6	1214.7	1219.6
175°	1149.1	1157.2	1168.9	1178.2	1177.0	1181.7	1195.6	1200.3	1204.9	1198.0	1204.9
177.5°	1153.5	1157.2	1160.9	1166.5	1162.8	1162.8	1173.0	1175.8	1176.8	1173.0	1176.8
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7
2.5°	2317.4	2325.0	2334.7	2351.9	2376.9	2392.7	2381.5	2370.2	2381.5	2392.7	2376.9
5°	2167.2	2191.1	2222.2	2268.9	2331.2	2378.2	2379.2	2380.2	2379.2	2378.2	2331.2
7.5°	2023.1	2049.3	2083.6	2137.7	2211.4	2274.5	2305.6	2336.8	2305.6	2274.5	2211.4
10°	1943.9	1967.3	1998.4	2053.7	2133.0	2204.4	2251.6	2298.8	2251.6	2204.4	2133.0
12.5°	1892.7	1908.8	1931.9	1983.1	2062.5	2140.7	2215.2	2289.8	2215.2	2140.7	2062.5
15°	1847.2	1849.0	1855.0	1892.2	1960.5	2039.9	2152.4	2264.9	2152.4	2039.9	1960.5
17.5°	1823.7	1810.9	1798.0	1817.9	1870.5	1940.3	2061.5	2182.6	2061.5	1940.3	1870.5
20°	1809.1	1788.0	1763.8	1774.9	1821.1	1885.7	2005.2	2124.7	2005.2	1885.7	1821.1
22.5°	1784.1	1762.6	1736.1	1740.7	1776.5	1833.6	1954.8	2075.9	1954.8	1833.6	1776.5
25°	1733.0	1716.4	1693.3	1686.7	1696.8	1738.5	1875.1	2011.7	1875.1	1738.5	1696.8
27.5°	1672.7	1661.7	1647.6	1634.7	1622.8	1649.6	1792.2	1934.9	1792.2	1649.6	1622.8
30°	1637.5	1623.7	1609.6	1593.1	1574.0	1595.3	1738.0	1880.6	1738.0	1595.3	1574.0
32.5°	1643.5	1611.0	1577.7	1546.6	1517.9	1533.2	1680.7	1828.2	1680.7	1533.2	1517.9
35°	1647.6	1581.5	1526.3	1481.0	1445.9	1457.9	1611.6	1765.3	1611.6	1457.9	1445.9
37.5°	1550.8	1507.2	1459.6	1412.0	1364.4	1369.8	1534.6	1699.3	1534.6	1369.8	1364.4
40°	1512.2	1484.3	1423.0	1363.8	1306.5	1306.7	1479.5	1652.3	1479.5	1306.7	1306.5
42.5°	1476.2	1446.9	1367.2	1301.9	1251.0	1256.1	1428.9	1601.7	1428.9	1256.1	1251.0
45°	1262.0	1268.1	1247.0	1210.8	1159.6	1166.1	1345.9	1525.8	1345.9	1166.1	1159.6
47.5°	1060.2	1104.1	1151.3	1147.3	1092.1	1093.5	1264.9	1436.2	1264.9	1093.5	1092.1
50°	971.0	1033.0	1108.3	1114.4	1051.1	1044.0	1205.8	1367.5	1205.8	1044.0	1051.1
52.5°	896.8	975.7	1076.0	1088.0	1011.9	993.2	1146.9	1300.6	1146.9	993.2	1011.9
55°	799.4	903.4	1041.0	1057.1	951.6	909.4	1057.1	1204.8	1057.1	909.4	951.6
57.5°	714.2	802.4	921.8	938.7	853.1	823.8	963.4	1103.1	963.4	823.8	853.1
60°	660.8	724.1	806.5	822.5	772.3	768.5	904.1	1039.8	904.1	768.5	772.3
62.5°	595.7	639.1	694.9	713.8	695.7	714.5	843.7	972.9	843.7	714.5	695.7
65°	476.9	511.6	557.8	584.9	593.0	628.4	745.9	863.5	745.9	628.4	593.0
67.5°	385.5	417.9	453.0	480.0	498.6	538.3	640.7	743.2	640.7	538.3	498.6
70°	307.9	341.3	380.5	412.6	437.8	479.2	569.6	660.0	569.6	479.2	437.8
72.5°	251.3	279.8	311.8	343.1	373.9	416.3	493.9	571.4	493.9	416.3	373.9
75°	162.2	184.6	213.7	245.4	279.5	320.7	383.0	445.3	383.0	320.7	279.5
77.5°	120.8	131.7	146.4	168.4	197.7	231.1	276.5	321.9	276.5	231.1	197.7
80°	97.4	97.9	99.0	114.5	144.7	175.8	210.0	244.1	210.0	175.8	144.7
82.5°	77.4	76.2	74.8	83.2	101.3	121.2	146.5	171.8	146.5	121.2	101.3
85°	35.9	39.2	43.2	46.2	48.2	52.7	64.8	76.9	64.8	52.7	48.2
87.5°	13.9	13.7	13.7	14.7	16.4	17.5	17.1	17.0	17.1	17.2	16.8
90°	24.4	23.3	23.3	22.1	18.6	14.0	8.1	3.5	8.1	12.8	21.0
92.5°	29.1	28.9	27.0	24.9	20.5	20.5	20.3	12.8	22.1	31.4	45.2
95°	26.8	26.8	31.4	39.6	58.2	59.4	39.6	36.1	51.2	72.2	90.8
97.5°	72.4	86.2	105.7	109.4	103.6	77.3	74.0	68.9	93.8	114.6	144.6
100°	133.9	151.3	165.3	137.4	108.3	107.1	100.1	97.8	124.6	144.4	173.5
102.5°	209.3	214.7	166.2	150.4	143.7	138.8	128.1	126.7	153.4	180.7	205.1
105°	227.0	203.7	204.9	204.9	200.2	190.9	171.1	170.0	200.2	231.7	261.9
107.5°	267.1	270.6	276.6	275.2	269.9	244.9	221.7	216.3	243.6	281.3	314.6
110°	320.2	323.6	326.0	323.6	315.5	284.1	256.1	248.0	272.4	312.0	348.1



TEST NUMBER: P1427905

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	371.4	373.9	379.1	372.1	358.3	322.3	290.6	278.7	303.2	343.7	380.7
115°	452.9	452.9	454.0	450.5	422.6	385.4	343.4	326.0	346.9	384.2	424.9
117.5°	533.0	534.4	529.7	520.4	488.0	444.7	397.7	369.7	386.3	425.6	467.5
120°	583.3	585.6	580.9	567.0	535.5	486.6	433.1	400.5	413.3	451.7	493.6
122.5°	635.4	635.0	629.4	613.5	576.5	525.8	473.1	433.1	438.4	474.1	515.0
125°	707.8	706.7	702.0	683.4	645.0	592.6	530.9	482.0	475.0	505.3	547.2
127.5°	776.8	774.2	767.0	744.4	705.0	654.5	586.8	531.3	515.7	534.8	573.3
130°	824.3	820.8	808.0	783.5	745.1	697.4	628.7	565.8	543.7	555.3	589.1
132.5°	869.9	859.9	848.9	822.6	787.0	737.4	667.8	602.1	571.6	576.7	603.1
135°	927.9	918.6	904.6	879.0	845.2	796.3	726.5	655.4	613.5	608.9	624.0
137.5°	978.9	969.1	953.2	931.1	897.1	853.6	786.5	711.6	658.7	643.1	648.9
140°	1010.5	998.9	984.9	962.8	932.5	887.1	821.9	749.7	690.4	668.3	664.8
142.5°	1036.6	1027.8	1012.9	992.6	966.1	920.6	857.3	786.1	723.0	694.3	686.2
145°	1075.7	1068.7	1052.4	1033.8	1011.7	966.3	908.1	837.1	774.2	736.9	719.5
147.5°	1108.8	1103.2	1090.4	1068.5	1049.9	1006.3	953.2	890.4	825.9	779.8	757.2
150°	1129.3	1124.6	1111.8	1090.9	1072.2	1031.5	980.3	922.0	860.3	811.4	782.3
152.5°	1148.8	1144.2	1129.5	1108.6	1092.7	1054.8	1008.2	952.8	890.1	841.3	811.2
155°	1174.7	1168.9	1154.9	1135.1	1121.1	1086.2	1043.1	994.2	940.7	889.4	855.7
157.5°	1195.2	1187.9	1174.9	1157.9	1143.0	1110.9	1073.4	1031.2	984.4	935.6	901.1
160°	1207.3	1199.1	1185.2	1170.0	1156.1	1125.8	1092.0	1053.6	1010.5	966.3	929.0
162.5°	1215.7	1208.4	1191.7	1178.4	1166.3	1138.8	1106.9	1072.2	1033.8	995.2	960.7
165°	1224.7	1216.6	1199.1	1188.6	1178.2	1154.9	1126.9	1099.0	1066.4	1035.0	1007.0
167.5°	1225.4	1218.7	1201.2	1191.0	1183.3	1163.3	1140.7	1119.3	1093.9	1069.2	1045.9
170°	1223.6	1217.8	1200.3	1191.0	1185.2	1168.9	1149.1	1130.4	1110.6	1089.7	1071.1
172.5°	1217.1	1211.2	1194.7	1187.3	1184.2	1169.8	1153.7	1139.8	1122.8	1107.4	1092.5
175°	1200.3	1195.6	1181.7	1177.0	1178.2	1168.9	1157.2	1149.1	1138.6	1129.3	1121.1
177.5°	1175.8	1173.0	1162.8	1162.8	1166.5	1160.9	1157.2	1153.5	1148.8	1146.0	1143.2
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1427905

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7	2375.7
2.5°	2351.9	2334.7	2325.0	2317.4	2315.8	2314.2	2315.8	2317.4	2325.0	2334.7	2351.9
5°	2268.9	2222.2	2191.1	2167.2	2165.2	2163.2	2165.2	2167.2	2191.1	2222.2	2268.9
7.5°	2137.7	2083.6	2049.3	2023.1	2021.5	2019.9	2021.5	2023.1	2049.3	2083.6	2137.7
10°	2053.7	1998.4	1967.3	1943.9	1943.9	1943.9	1943.9	1943.9	1967.3	1998.4	2053.7
12.5°	1983.1	1931.9	1908.8	1892.7	1897.5	1902.3	1897.5	1892.7	1908.8	1931.9	1983.1
15°	1892.2	1855.0	1849.0	1847.2	1858.3	1869.3	1858.3	1847.2	1849.0	1855.0	1892.2
17.5°	1817.9	1798.0	1810.9	1823.7	1836.6	1849.4	1836.6	1823.7	1810.9	1798.0	1817.9
20°	1774.9	1763.8	1788.0	1809.1	1821.1	1833.2	1821.1	1809.1	1788.0	1763.8	1774.9
22.5°	1740.7	1736.1	1762.6	1784.1	1790.6	1797.0	1790.6	1784.1	1762.6	1736.1	1740.7
25°	1686.7	1693.3	1716.4	1733.0	1729.9	1726.9	1729.9	1733.0	1716.4	1693.3	1686.7
27.5°	1634.7	1647.6	1661.7	1672.7	1674.5	1676.3	1674.5	1672.7	1661.7	1647.6	1634.7
30°	1593.1	1609.6	1623.7	1637.5	1650.6	1663.6	1650.6	1637.5	1623.7	1609.6	1593.1
32.5°	1546.6	1577.7	1611.0	1643.5	1673.5	1703.4	1673.5	1643.5	1611.0	1577.7	1546.6
35°	1481.0	1526.3	1581.5	1647.6	1746.0	1844.5	1746.0	1647.6	1581.5	1526.3	1481.0
37.5°	1412.0	1459.6	1507.2	1550.8	1582.1	1613.5	1582.1	1550.8	1507.2	1459.6	1412.0
40°	1363.8	1423.0	1484.3	1512.2	1439.9	1367.5	1439.9	1512.2	1484.3	1423.0	1363.8
42.5°	1301.9	1367.2	1446.9	1476.2	1354.1	1231.9	1354.1	1476.2	1446.9	1367.2	1301.9
45°	1210.8	1247.0	1268.1	1262.0	1174.6	1087.2	1174.6	1262.0	1268.1	1247.0	1210.8
47.5°	1147.3	1151.3	1104.1	1060.2	1026.0	991.9	1026.0	1060.2	1104.1	1151.3	1147.3
50°	1114.4	1108.3	1033.0	971.0	948.9	926.8	948.9	971.0	1033.0	1108.3	1114.4
52.5°	1088.0	1076.0	975.7	896.8	881.9	867.1	881.9	896.8	975.7	1076.0	1088.0
55°	1057.1	1041.0	903.4	799.4	796.4	793.4	796.4	799.4	903.4	1041.0	1057.1
57.5°	938.7	921.8	802.4	714.2	719.5	724.7	719.5	714.2	802.4	921.8	938.7
60°	822.5	806.5	724.1	660.8	654.8	648.7	654.8	660.8	724.1	806.5	822.5
62.5°	713.8	694.9	639.1	595.7	589.7	583.6	589.7	595.7	639.1	694.9	713.8
65°	584.9	557.8	511.6	476.9	476.9	476.9	476.9	476.9	511.6	557.8	584.9
67.5°	480.0	453.0	417.9	385.5	361.4	337.2	361.4	385.5	417.9	453.0	480.0
70°	412.6	380.5	341.3	307.9	291.8	275.8	291.8	307.9	341.3	380.5	412.6
72.5°	343.1	311.8	279.8	251.3	232.8	214.3	232.8	251.3	279.8	311.8	343.1
75°	245.4	213.7	184.6	162.2	160.2	158.2	160.2	162.2	184.6	213.7	245.4
77.5°	168.4	146.4	131.7	120.8	121.0	121.2	121.0	120.8	131.7	146.4	168.4
80°	114.5	99.0	97.9	97.4	98.5	99.5	98.5	97.4	97.9	99.0	114.5
82.5°	83.2	74.8	76.2	77.4	77.6	77.8	77.6	77.4	76.2	74.8	83.2
85°	46.2	43.2	39.2	35.9	34.9	33.9	34.9	35.9	39.2	43.2	46.2
87.5°	15.6	16.0	17.7	18.6	19.5	19.1	19.5	18.6	17.7	16.0	15.6
90°	26.8	34.9	43.1	47.7	52.4	50.1	52.4	47.7	43.1	34.9	26.8
92.5°	53.8	67.5	77.5	85.9	89.6	89.2	89.6	85.9	77.5	67.5	53.8
95°	108.3	124.6	140.9	152.5	159.5	157.2	159.5	152.5	140.9	124.6	108.3
97.5°	166.9	188.8	207.0	217.9	224.9	229.6	224.9	217.9	207.0	188.8	166.9
100°	206.1	227.0	248.0	260.8	272.4	277.1	272.4	260.8	248.0	227.0	206.1
102.5°	237.7	265.2	288.0	301.8	311.5	316.2	311.5	301.8	288.0	265.2	237.7
105°	289.9	319.0	343.4	360.9	371.4	374.9	371.4	360.9	343.4	319.0	289.9
107.5°	342.0	372.1	394.7	414.0	426.8	434.2	426.8	414.0	394.7	372.1	342.0
110°	383.0	407.5	431.9	449.4	462.2	466.8	462.2	449.4	431.9	407.5	383.0



TEST NUMBER: P1427905

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	417.5	444.7	469.2	486.6	501.3	507.8	501.3	486.6	469.2	444.7	417.5
115°	465.7	501.8	523.9	540.2	550.7	556.5	550.7	540.2	523.9	501.8	465.7
117.5°	505.7	543.4	567.7	580.2	585.1	589.3	585.1	580.2	567.7	543.4	505.7
120°	530.9	565.8	593.7	610.0	615.9	618.2	615.9	610.0	593.7	565.8	530.9
122.5°	554.2	587.2	614.2	634.3	643.8	646.1	643.8	634.3	614.2	587.2	554.2
125°	586.8	618.2	646.1	665.9	676.4	682.2	676.4	665.9	646.1	618.2	586.8
127.5°	615.2	649.2	674.8	692.7	702.9	707.6	702.9	692.7	674.8	649.2	615.2
130°	631.0	665.9	691.5	711.3	720.6	725.3	720.6	711.3	691.5	665.9	631.0
132.5°	643.1	679.9	706.4	724.4	734.6	739.3	734.6	724.4	706.4	679.9	643.1
135°	657.8	696.2	724.1	741.6	750.9	755.6	750.9	741.6	724.1	696.2	657.8
137.5°	670.6	705.5	734.6	753.0	761.4	764.4	761.4	753.0	734.6	705.5	670.6
140°	679.9	710.2	739.3	756.7	766.0	767.2	766.0	756.7	739.3	710.2	679.9
142.5°	692.0	715.7	741.1	758.6	767.9	770.0	767.9	758.6	741.1	715.7	692.0
145°	713.7	727.6	745.1	761.4	769.5	771.9	769.5	761.4	745.1	727.6	713.7
147.5°	740.9	745.3	754.4	765.1	773.0	774.7	773.0	765.1	754.4	745.3	740.9
150°	761.4	760.2	763.7	770.7	777.7	776.5	777.7	770.7	763.7	760.2	761.4
152.5°	784.7	777.9	777.7	780.9	784.2	784.0	784.2	780.9	777.7	777.9	784.7
155°	824.3	811.4	804.5	802.1	802.1	801.0	802.1	802.1	804.5	811.4	824.3
157.5°	867.8	849.9	839.4	833.8	832.2	829.6	832.2	833.8	839.4	849.9	867.8
160°	897.6	877.8	867.3	858.0	854.5	851.0	854.5	858.0	867.3	877.8	897.6
162.5°	925.5	906.7	895.3	886.9	883.4	878.0	883.4	886.9	895.3	906.7	925.5
165°	970.9	951.2	938.3	931.4	926.7	922.0	926.7	931.4	938.3	951.2	970.9
167.5°	1016.3	994.7	986.3	978.4	974.0	965.6	974.0	978.4	986.3	994.7	1016.3
170°	1044.3	1024.5	1019.8	1012.9	1004.7	995.4	1004.7	1012.9	1019.8	1024.5	1044.3
172.5°	1068.5	1055.2	1050.6	1043.6	1041.0	1033.6	1041.0	1043.6	1050.6	1055.2	1068.5
175°	1103.7	1093.2	1093.2	1092.0	1088.5	1081.5	1088.5	1092.0	1093.2	1093.2	1103.7
177.5°	1133.0	1127.4	1131.1	1131.1	1130.2	1123.7	1130.2	1131.1	1131.1	1127.4	1133.0
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1427905

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2375.7	2375.7	2375.7	2375.7
2.5°	2376.9	2392.7	2381.5	2370.2
5°	2331.2	2378.2	2379.2	2380.2
7.5°	2211.4	2274.5	2305.6	2336.8
10°	2133.0	2204.4	2251.6	2298.8
12.5°	2062.5	2140.7	2215.2	2289.8
15°	1960.5	2039.9	2152.4	2264.9
17.5°	1870.5	1940.3	2061.5	2182.6
20°	1821.1	1885.7	2005.2	2124.7
22.5°	1776.5	1833.6	1954.8	2075.9
25°	1696.8	1738.5	1875.1	2011.7
27.5°	1622.8	1649.6	1792.2	1934.9
30°	1574.0	1595.3	1738.0	1880.6
32.5°	1517.9	1533.2	1680.7	1828.2
35°	1445.9	1457.9	1611.6	1765.3
37.5°	1364.4	1369.8	1534.6	1699.3
40°	1306.5	1306.7	1479.5	1652.3
42.5°	1251.0	1256.1	1428.9	1601.7
45°	1159.6	1166.1	1345.9	1525.8
47.5°	1092.1	1093.5	1264.9	1436.2
50°	1051.1	1044.0	1205.8	1367.5
52.5°	1011.9	993.2	1146.9	1300.6
55°	951.6	909.4	1057.1	1204.8
57.5°	853.1	823.8	963.4	1103.1
60°	772.3	768.5	904.1	1039.8
62.5°	695.7	714.5	843.7	972.9
65°	593.0	628.4	745.9	863.5
67.5°	498.6	538.3	640.7	743.2
70°	437.8	479.2	569.6	660.0
72.5°	373.9	416.3	493.9	571.4
75°	279.5	320.7	383.0	445.3
77.5°	197.7	231.1	276.5	321.9
80°	144.7	175.8	210.0	244.1
82.5°	101.3	121.2	146.5	171.8
85°	48.2	52.7	64.8	76.9
87.5°	16.8	17.2	17.1	17.0
90°	21.0	12.8	8.1	3.5
92.5°	45.2	31.4	22.1	12.8
95°	90.8	72.2	51.2	36.1
97.5°	144.6	114.6	93.8	68.9
100°	173.5	144.4	124.6	97.8
102.5°	205.1	180.7	153.4	126.7
105°	261.9	231.7	200.2	170.0
107.5°	314.6	281.3	243.6	216.3
110°	348.1	312.0	272.4	248.0



TEST NUMBER: P1427905

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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	380.7	343.7	303.2	278.7
115°	424.9	384.2	346.9	326.0
117.5°	467.5	425.6	386.3	369.7
120°	493.6	451.7	413.3	400.5
122.5°	515.0	474.1	438.4	433.1
125°	547.2	505.3	475.0	482.0
127.5°	573.3	534.8	515.7	531.3
130°	589.1	555.3	543.7	565.8
132.5°	603.1	576.7	571.6	602.1
135°	624.0	608.9	613.5	655.4
137.5°	648.9	643.1	658.7	711.6
140°	664.8	668.3	690.4	749.7
142.5°	686.2	694.3	723.0	786.1
145°	719.5	736.9	774.2	837.1
147.5°	757.2	779.8	825.9	890.4
150°	782.3	811.4	860.3	922.0
152.5°	811.2	841.3	890.1	952.8
155°	855.7	889.4	940.7	994.2
157.5°	901.1	935.6	984.4	1031.2
160°	929.0	966.3	1010.5	1053.6
162.5°	960.7	995.2	1033.8	1072.2
165°	1007.0	1035.0	1066.4	1099.0
167.5°	1045.9	1069.2	1093.9	1119.3
170°	1071.1	1089.7	1110.6	1130.4
172.5°	1092.5	1107.4	1122.8	1139.8
175°	1121.1	1129.3	1138.6	1149.1
177.5°	1143.2	1146.0	1148.8	1153.5
180°	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1427905
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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	20.50	21.46	21.36	22.34	23.45	19.33	20.29	20.19	21.17	22.28
	3H	22.69	23.55	23.56	24.44	25.57	20.39	21.25	21.26	22.14	23.27
	4H	23.51	24.32	24.39	25.21	26.35	20.64	21.45	21.53	22.35	23.49
	6H	23.98	24.73	24.88	25.63	26.78	20.79	21.53	21.69	22.44	23.59
	8H	24.13	24.84	25.04	25.76	26.92	20.85	21.56	21.76	22.48	23.63
	12H	24.19	24.87	25.11	25.79	26.97	20.86	21.54	21.78	22.45	23.63
4H	2H	20.95	21.76	21.84	22.66	23.80	20.03	20.84	20.92	21.74	22.88
	3H	23.21	23.89	24.12	24.82	25.97	21.27	21.94	22.17	22.87	24.03
	4H	24.09	24.71	25.01	25.63	26.81	21.56	22.18	22.48	23.10	24.28
	6H	24.66	25.19	25.59	26.13	27.32	21.77	22.30	22.70	23.24	24.43
	8H	24.86	25.36	25.79	26.30	27.49	21.86	22.36	22.79	23.30	24.49
	12H	24.95	25.39	25.90	26.35	27.56	21.89	22.33	22.84	23.29	24.50
8H	4H	24.12	24.62	25.05	25.56	26.75	21.80	22.30	22.73	23.24	24.43
	6H	24.75	25.16	25.71	26.15	27.34	22.07	22.48	23.03	23.46	24.66
	8H	25.02	25.38	25.99	26.35	27.57	22.22	22.58	23.19	23.55	24.77
	12H	25.15	25.47	26.12	26.44	27.70	22.29	22.61	23.26	23.57	24.84
12H	4H	24.08	24.52	25.03	25.48	26.69	21.80	22.25	22.75	23.21	24.41
	6H	24.73	25.09	25.70	26.07	27.28	22.11	22.47	23.08	23.44	24.66
	8H	25.01	25.33	25.98	26.29	27.56	22.28	22.59	23.25	23.56	24.82