

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: P1428403

Luminaire Tested: SQ2W-PW1-K-075U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428403
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-075U-075D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

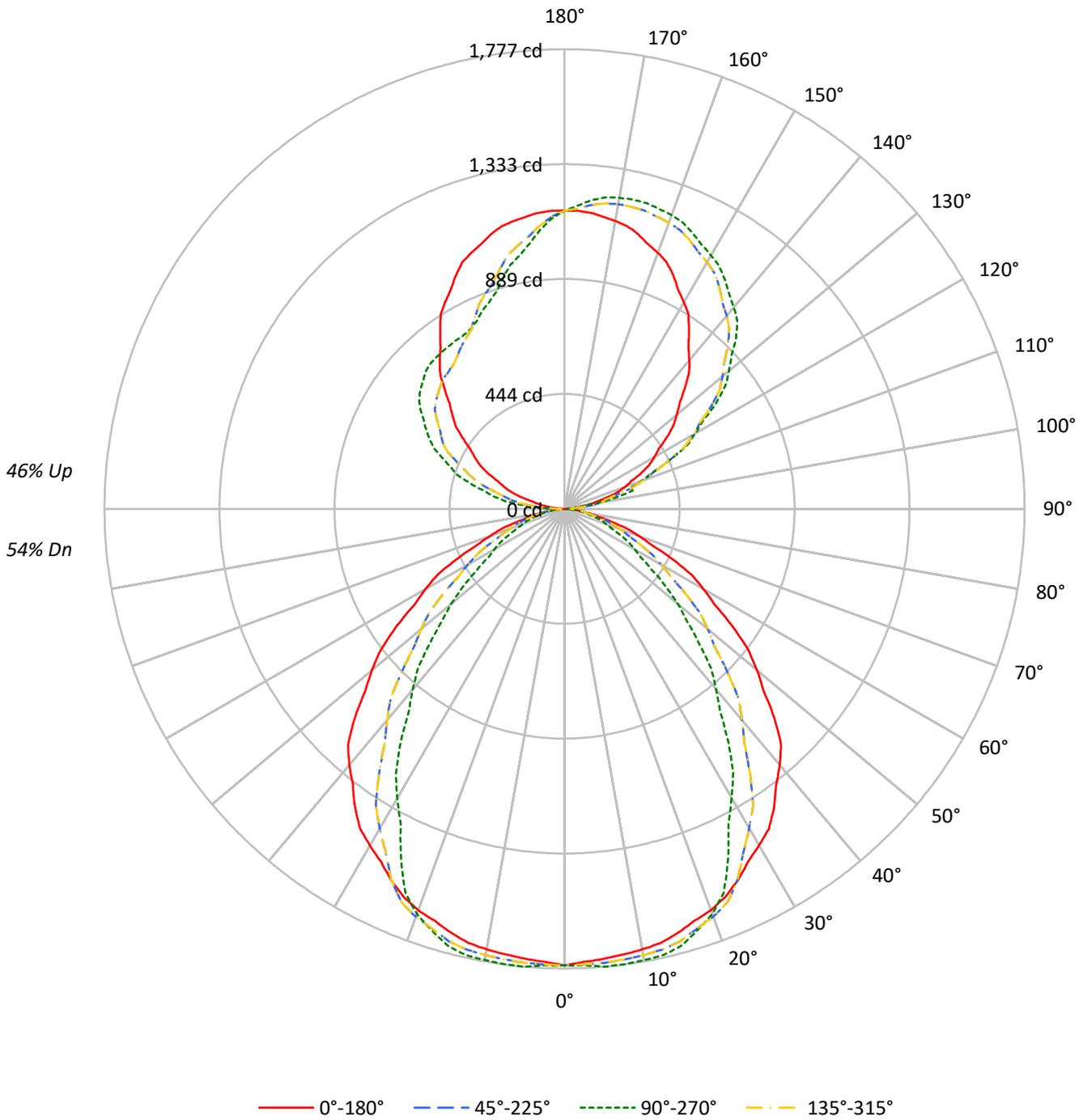
Lumens per Lamp: N/A
Luminaire Lumens: 7287.0 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 50.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	74	71	64	63	61	54	53	52	47
2	91	84	78	73	84	78	73	69	67	63	60	57	54	52	48	46	44	40
3	83	74	67	62	77	69	63	58	60	55	51	51	48	45	43	41	38	35
4	76	66	58	53	71	62	55	50	54	48	44	46	42	39	39	36	34	30
5	70	59	51	45	65	55	48	43	48	43	39	42	37	34	35	32	30	27
6	65	53	45	40	60	50	43	38	44	38	34	38	33	30	32	29	26	24
7	60	48	41	35	56	45	38	33	40	34	30	34	30	27	30	26	24	21
8	56	44	36	31	52	41	35	30	36	31	27	32	27	24	27	24	21	19
9	52	40	33	28	49	38	31	27	33	28	24	29	25	22	25	22	19	17
10	49	37	30	25	46	35	28	24	31	26	22	27	23	20	23	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	28500	28500	28500	28500
5°	28311	28800	28311	28800
10°	28361	29051	28361	29051
15°	28354	29225	28354	29225
20°	28365	28654	28365	28654
25°	28213	26626	28213	26626
30°	28021	24072	28021	24072
35°	27801	21738	27801	21738
40°	27248	19205	27248	19205
45°	26181	16776	26181	16776
50°	24364	14357	24364	14357
55°	22288	11642	22288	11642
60°	19979	10043	19979	10043
65°	17471	8928	17471	8928
70°	14285	8096	14285	8096
75°	11116	7448	11116	7448
80°	8284	6564	8284	6564
85°	5613	3742	5613	3742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.1	2.3
10°-20°	487.0	6.7
20°-30°	716.7	9.8
30°-40°	783.7	10.8
40°-50°	703.0	9.6
50°-60°	524.4	7.2
60°-70°	331.4	4.5
70°-80°	164.2	2.3
80°-90°	43.2	0.6
90°-100°	91.7	1.3
100°-110°	267.5	3.7
110°-120°	436.5	6.0
120°-130°	553.9	7.6
130°-140°	592.7	8.1
140°-150°	553.5	7.6
150°-160°	455.4	6.2
160°-170°	305.4	4.2
170°-180°	108.5	1.5
0°-30°	1371.9	18.8
0°-40°	2155.5	29.6
0°-60°	3382.9	46.4
0°-90°	3921.8	53.8
90°-120°	795.8	10.9
90°-150°	2495.9	34.3
90°-180°	3365.0	46.2
0°-180°	7287.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1765	1765	1765	1765	1765	
5°	1747	1777	1747	1777	1747	166
15°	1696	1748	1696	1748	1696	479
25°	1584	1495	1584	1495	1584	729
35°	1410	1103	1410	1103	1410	880
45°	1147	735	1147	735	1147	879
55°	792	414	792	414	792	707
65°	457	234	457	234	457	453
75°	178	119	178	119	178	196
85°	30	20	30	20	30	38
90°	4	26	4	50	4	4
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°	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2
2.5°	1753.1	1763.3	1773.5	1771.1	1764.5	1761.5	1762.1	1763.0	1764.8	1766.6	1764.8
5°	1746.8	1759.5	1772.2	1770.3	1763.6	1760.6	1761.3	1763.6	1770.3	1777.0	1770.3
7.5°	1738.0	1750.9	1763.7	1763.1	1758.0	1756.8	1759.3	1762.9	1769.4	1776.0	1769.4
10°	1729.9	1743.4	1756.8	1756.8	1752.4	1752.0	1755.7	1760.0	1766.0	1772.0	1766.0
12.5°	1719.2	1733.2	1747.3	1748.3	1745.0	1745.6	1749.9	1754.6	1760.6	1766.6	1760.6
15°	1696.3	1711.3	1726.2	1729.4	1728.6	1730.9	1736.1	1741.0	1744.7	1748.4	1744.7
17.5°	1669.8	1684.7	1699.6	1702.6	1701.6	1701.7	1703.0	1704.5	1706.3	1708.1	1706.3
20°	1650.9	1665.9	1680.8	1682.9	1680.6	1676.9	1671.7	1667.7	1667.7	1667.7	1667.7
22.5°	1624.0	1640.2	1656.3	1656.4	1651.2	1641.5	1627.3	1615.4	1610.7	1605.9	1610.7
25°	1583.7	1599.4	1615.1	1607.8	1592.8	1570.8	1541.7	1517.0	1505.8	1494.6	1505.8
27.5°	1536.6	1549.3	1562.0	1543.0	1513.4	1477.9	1436.5	1401.6	1386.0	1370.5	1386.0
30°	1503.0	1512.7	1522.4	1492.3	1449.0	1404.5	1359.0	1321.0	1306.1	1291.2	1306.1
32.5°	1468.0	1471.8	1475.5	1435.8	1381.8	1331.0	1283.6	1244.1	1227.9	1211.8	1227.9
35°	1410.5	1403.8	1397.1	1344.4	1276.4	1218.5	1170.7	1131.3	1117.1	1102.9	1117.1
37.5°	1342.6	1322.6	1302.5	1243.2	1170.7	1109.4	1059.4	1017.9	1002.2	986.5	1002.2
40°	1292.8	1264.4	1236.0	1172.3	1096.9	1034.1	984.1	942.6	926.9	911.2	926.9
42.5°	1237.7	1202.1	1166.6	1101.1	1025.6	962.8	912.8	871.2	854.9	838.6	854.9
45°	1146.6	1104.7	1062.9	994.7	917.7	855.0	806.4	766.1	750.4	734.7	750.4
47.5°	1044.0	1002.5	960.9	892.9	816.1	754.2	707.1	668.4	655.0	641.5	655.0
50°	970.0	929.7	889.3	824.3	751.1	691.0	643.9	604.5	588.0	571.6	588.0
52.5°	894.7	858.6	822.4	759.8	688.4	628.5	580.2	538.4	516.0	493.6	516.0
55°	791.8	757.5	723.1	664.1	596.8	536.3	482.5	439.0	426.3	413.6	426.3
57.5°	685.9	656.2	626.4	573.4	512.6	457.7	408.9	369.6	359.1	348.7	359.1
60°	618.7	592.5	566.4	515.6	456.5	406.5	365.4	331.9	321.5	311.0	321.5
62.5°	554.1	531.0	507.8	459.1	401.8	356.9	324.1	297.4	288.8	280.1	288.8
65°	457.3	440.1	422.9	382.8	334.9	297.6	270.7	248.6	241.2	233.7	241.2
67.5°	363.1	353.6	344.0	313.9	277.0	246.8	223.1	204.2	199.3	194.3	199.3
70°	302.6	299.6	296.6	271.8	239.7	213.9	194.5	179.0	175.2	171.5	175.2
72.5°	250.2	251.4	252.6	231.9	203.9	182.4	167.1	155.0	152.5	150.0	152.5
75°	178.2	184.2	190.2	176.5	156.4	141.0	130.6	122.4	120.9	119.4	120.9
77.5°	121.4	130.3	139.3	130.5	115.7	104.4	96.6	90.5	89.3	88.1	89.3
80°	89.1	98.1	107.0	100.9	89.7	81.1	75.1	70.6	70.6	70.6	70.6
82.5°	62.2	69.4	76.6	72.2	64.0	58.4	55.4	53.1	53.1	53.1	53.1
85°	30.3	34.0	37.7	36.4	33.4	29.7	25.2	21.7	20.9	20.2	20.9
87.5°	8.8	11.5	14.5	13.6	11.3	9.7	9.1	8.9	9.2	9.2	9.2
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°	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2
2.5°	1763.0	1762.1	1761.5	1764.5	1771.1	1773.5	1763.3	1753.1	1763.3	1773.5	1771.1
5°	1763.6	1761.3	1760.6	1763.6	1770.3	1772.2	1759.5	1746.8	1759.5	1772.2	1770.3
7.5°	1762.9	1759.3	1756.8	1758.0	1763.1	1763.7	1750.9	1738.0	1750.9	1763.7	1763.1
10°	1760.0	1755.7	1752.0	1752.4	1756.8	1756.8	1743.4	1729.9	1743.4	1756.8	1756.8
12.5°	1754.6	1749.9	1745.6	1745.0	1748.3	1747.3	1733.2	1719.2	1733.2	1747.3	1748.3
15°	1741.0	1736.1	1730.9	1728.6	1729.4	1726.2	1711.3	1696.3	1711.3	1726.2	1729.4
17.5°	1704.5	1703.0	1701.7	1701.6	1702.6	1699.6	1684.7	1669.8	1684.7	1699.6	1702.6
20°	1667.7	1671.7	1676.9	1680.6	1682.9	1680.8	1665.9	1650.9	1665.9	1680.8	1682.9
22.5°	1615.4	1627.3	1641.5	1651.2	1656.4	1656.3	1640.2	1624.0	1640.2	1656.3	1656.4
25°	1517.0	1541.7	1570.8	1592.8	1607.8	1615.1	1599.4	1583.7	1599.4	1615.1	1607.8
27.5°	1401.6	1436.5	1477.9	1513.4	1543.0	1562.0	1549.3	1536.6	1549.3	1562.0	1543.0
30°	1321.0	1359.0	1404.5	1449.0	1492.3	1522.4	1512.7	1503.0	1512.7	1522.4	1492.3
32.5°	1244.1	1283.6	1331.0	1381.8	1435.8	1475.5	1471.8	1468.0	1471.8	1475.5	1435.8
35°	1131.3	1170.7	1218.5	1276.4	1344.4	1397.1	1403.8	1410.5	1403.8	1397.1	1344.4
37.5°	1017.9	1059.4	1109.4	1170.7	1243.2	1302.5	1322.6	1342.6	1322.6	1302.5	1243.2
40°	942.6	984.1	1034.1	1096.9	1172.3	1236.0	1264.4	1292.8	1264.4	1236.0	1172.3
42.5°	871.2	912.8	962.8	1025.6	1101.1	1166.6	1202.1	1237.7	1202.1	1166.6	1101.1
45°	766.1	806.4	855.0	917.7	994.7	1062.9	1104.7	1146.6	1104.7	1062.9	994.7
47.5°	668.4	707.1	754.2	816.1	892.9	960.9	1002.5	1044.0	1002.5	960.9	892.9
50°	604.5	643.9	691.0	751.1	824.3	889.3	929.7	970.0	929.7	889.3	824.3
52.5°	538.4	580.2	628.5	688.4	759.8	822.4	858.6	894.7	858.6	822.4	759.8
55°	439.0	482.5	536.3	596.8	664.1	723.1	757.5	791.8	757.5	723.1	664.1
57.5°	369.6	408.9	457.7	512.6	573.4	626.4	656.2	685.9	656.2	626.4	573.4
60°	331.9	365.4	406.5	456.5	515.6	566.4	592.5	618.7	592.5	566.4	515.6
62.5°	297.4	324.1	356.9	401.8	459.1	507.8	531.0	554.1	531.0	507.8	459.1
65°	248.6	270.7	297.6	334.9	382.8	422.9	440.1	457.3	440.1	422.9	382.8
67.5°	204.2	223.1	246.8	277.0	313.9	344.0	353.6	363.1	353.6	344.0	313.9
70°	179.0	194.5	213.9	239.7	271.8	296.6	299.6	302.6	299.6	296.6	271.8
72.5°	155.0	167.1	182.4	203.9	231.9	252.6	251.4	250.2	251.4	252.6	231.9
75°	122.4	130.6	141.0	156.4	176.5	190.2	184.2	178.2	184.2	190.2	176.5
77.5°	90.5	96.6	104.4	115.7	130.5	139.3	130.3	121.4	130.3	139.3	130.5
80°	70.6	75.1	81.1	89.7	100.9	107.0	98.1	89.1	98.1	107.0	100.9
82.5°	53.1	55.4	58.4	64.0	72.2	76.6	69.4	62.2	69.4	76.6	72.2
85°	21.7	25.2	29.7	33.4	36.4	37.7	34.0	30.3	34.0	37.7	36.4
87.5°	8.9	9.1	9.7	11.3	13.6	14.5	11.5	8.8	11.5	14.2	14.1
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: P1428403

CATALOG NUMBER: SQ2W-PW1-K-075U-075D-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: P1428403

CATALOG NUMBER: SQ2W-PW1-K-075U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2
2.5°	1764.5	1761.5	1762.1	1763.0	1764.8	1766.6	1764.8	1763.0	1762.1	1761.5	1764.5
5°	1763.6	1760.6	1761.3	1763.6	1770.3	1777.0	1770.3	1763.6	1761.3	1760.6	1763.6
7.5°	1758.0	1756.8	1759.3	1762.9	1769.4	1776.0	1769.4	1762.9	1759.3	1756.8	1758.0
10°	1752.4	1752.0	1755.7	1760.0	1766.0	1772.0	1766.0	1760.0	1755.7	1752.0	1752.4
12.5°	1745.0	1745.6	1749.9	1754.6	1760.6	1766.6	1760.6	1754.6	1749.9	1745.6	1745.0
15°	1728.6	1730.9	1736.1	1741.0	1744.7	1748.4	1744.7	1741.0	1736.1	1730.9	1728.6
17.5°	1701.6	1701.7	1703.0	1704.5	1706.3	1708.1	1706.3	1704.5	1703.0	1701.7	1701.6
20°	1680.6	1676.9	1671.7	1667.7	1667.7	1667.7	1667.7	1667.7	1671.7	1676.9	1680.6
22.5°	1651.2	1641.5	1627.3	1615.4	1610.7	1605.9	1610.7	1615.4	1627.3	1641.5	1651.2
25°	1592.8	1570.8	1541.7	1517.0	1505.8	1494.6	1505.8	1517.0	1541.7	1570.8	1592.8
27.5°	1513.4	1477.9	1436.5	1401.6	1386.0	1370.5	1386.0	1401.6	1436.5	1477.9	1513.4
30°	1449.0	1404.5	1359.0	1321.0	1306.1	1291.2	1306.1	1321.0	1359.0	1404.5	1449.0
32.5°	1381.8	1331.0	1283.6	1244.1	1227.9	1211.8	1227.9	1244.1	1283.6	1331.0	1381.8
35°	1276.4	1218.5	1170.7	1131.3	1117.1	1102.9	1117.1	1131.3	1170.7	1218.5	1276.4
37.5°	1170.7	1109.4	1059.4	1017.9	1002.2	986.5	1002.2	1017.9	1059.4	1109.4	1170.7
40°	1096.9	1034.1	984.1	942.6	926.9	911.2	926.9	942.6	984.1	1034.1	1096.9
42.5°	1025.6	962.8	912.8	871.2	854.9	838.6	854.9	871.2	912.8	962.8	1025.6
45°	917.7	855.0	806.4	766.1	750.4	734.7	750.4	766.1	806.4	855.0	917.7
47.5°	816.1	754.2	707.1	668.4	655.0	641.5	655.0	668.4	707.1	754.2	816.1
50°	751.1	691.0	643.9	604.5	588.0	571.6	588.0	604.5	643.9	691.0	751.1
52.5°	688.4	628.5	580.2	538.4	516.0	493.6	516.0	538.4	580.2	628.5	688.4
55°	596.8	536.3	482.5	439.0	426.3	413.6	426.3	439.0	482.5	536.3	596.8
57.5°	512.6	457.7	408.9	369.6	359.1	348.7	359.1	369.6	408.9	457.7	512.6
60°	456.5	406.5	365.4	331.9	321.5	311.0	321.5	331.9	365.4	406.5	456.5
62.5°	401.8	356.9	324.1	297.4	288.8	280.1	288.8	297.4	324.1	356.9	401.8
65°	334.9	297.6	270.7	248.6	241.2	233.7	241.2	248.6	270.7	297.6	334.9
67.5°	277.0	246.8	223.1	204.2	199.3	194.3	199.3	204.2	223.1	246.8	277.0
70°	239.7	213.9	194.5	179.0	175.2	171.5	175.2	179.0	194.5	213.9	239.7
72.5°	203.9	182.4	167.1	155.0	152.5	150.0	152.5	155.0	167.1	182.4	203.9
75°	156.4	141.0	130.6	122.4	120.9	119.4	120.9	122.4	130.6	141.0	156.4
77.5°	115.7	104.4	96.6	90.5	89.3	88.1	89.3	90.5	96.6	104.4	115.7
80°	89.7	81.1	75.1	70.6	70.6	70.6	70.6	70.6	75.1	81.1	89.7
82.5°	64.0	58.4	55.4	53.1	53.1	53.1	53.1	53.1	55.4	58.4	64.0
85°	33.4	29.7	25.2	21.7	20.9	20.2	20.9	21.7	25.2	29.7	33.4
87.5°	12.2	12.1	13.1	13.6	14.5	14.0	14.5	13.6	13.1	12.1	12.2
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: P1428403

CATALOG NUMBER: SQ2W-PW1-K-075U-075D-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: P1428403

CATALOG NUMBER: SQ2W-PW1-K-075U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1765.2	1765.2	1765.2	1765.2
2.5°	1771.1	1773.5	1763.3	1753.1
5°	1770.3	1772.2	1759.5	1746.8
7.5°	1763.1	1763.7	1750.9	1738.0
10°	1756.8	1756.8	1743.4	1729.9
12.5°	1748.3	1747.3	1733.2	1719.2
15°	1729.4	1726.2	1711.3	1696.3
17.5°	1702.6	1699.6	1684.7	1669.8
20°	1682.9	1680.8	1665.9	1650.9
22.5°	1656.4	1656.3	1640.2	1624.0
25°	1607.8	1615.1	1599.4	1583.7
27.5°	1543.0	1562.0	1549.3	1536.6
30°	1492.3	1522.4	1512.7	1503.0
32.5°	1435.8	1475.5	1471.8	1468.0
35°	1344.4	1397.1	1403.8	1410.5
37.5°	1243.2	1302.5	1322.6	1342.6
40°	1172.3	1236.0	1264.4	1292.8
42.5°	1101.1	1166.6	1202.1	1237.7
45°	994.7	1062.9	1104.7	1146.6
47.5°	892.9	960.9	1002.5	1044.0
50°	824.3	889.3	929.7	970.0
52.5°	759.8	822.4	858.6	894.7
55°	664.1	723.1	757.5	791.8
57.5°	573.4	626.4	656.2	685.9
60°	515.6	566.4	592.5	618.7
62.5°	459.1	507.8	531.0	554.1
65°	382.8	422.9	440.1	457.3
67.5°	313.9	344.0	353.6	363.1
70°	271.8	296.6	299.6	302.6
72.5°	231.9	252.6	251.4	250.2
75°	176.5	190.2	184.2	178.2
77.5°	130.5	139.3	130.3	121.4
80°	100.9	107.0	98.1	89.1
82.5°	72.2	76.6	69.4	62.2
85°	36.4	37.7	34.0	30.3
87.5°	14.1	14.2	11.5	8.8
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: P1428403

CATALOG NUMBER: SQ2W-PW1-K-075U-075D-L840-UNV-STD-W-WM-4

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: P1428403
 CATALOG NUMBER: SQ2W-PW1-K-075U-075D-L840-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	18.90	19.76	19.84	20.70	21.92	15.15	16.01	16.08	16.95	18.17
	3H	20.20	20.97	21.15	21.92	23.16	16.42	17.19	17.37	18.14	19.38
	4H	20.61	21.33	21.57	22.29	23.54	16.93	17.65	17.89	18.61	19.86
	6H	20.79	21.46	21.76	22.42	23.68	17.24	17.90	18.20	18.86	20.13
	8H	20.84	21.47	21.81	22.45	23.71	17.35	17.98	18.33	18.96	20.22
	12H	20.84	21.44	21.82	22.41	23.70	17.38	17.98	18.36	18.95	20.24
4H	2H	19.03	19.76	20.00	20.71	21.97	15.96	16.68	16.93	17.64	18.89
	3H	20.57	21.17	21.55	22.16	23.43	17.41	18.01	18.38	18.99	20.26
	4H	21.12	21.67	22.10	22.65	23.94	17.99	18.53	18.97	19.51	20.80
	6H	21.43	21.90	22.42	22.90	24.19	18.37	18.84	19.36	19.84	21.13
	8H	21.52	21.96	22.52	22.96	24.26	18.52	18.96	19.52	19.96	21.26
	12H	21.54	21.94	22.56	22.95	24.26	18.56	18.96	19.58	19.97	21.28
8H	4H	21.16	21.60	22.15	22.59	23.90	18.33	18.77	19.32	19.76	21.07
	6H	21.58	21.94	22.60	22.98	24.28	18.82	19.18	19.84	20.22	21.52
	8H	21.75	22.07	22.78	23.10	24.41	19.04	19.36	20.07	20.39	21.70
	12H	21.83	22.11	22.86	23.13	24.49	19.12	19.40	20.15	20.42	21.79
12H	4H	21.12	21.51	22.13	22.53	23.83	18.35	18.74	19.36	19.76	21.06
	6H	21.57	21.89	22.60	22.92	24.24	18.90	19.22	19.92	20.24	21.56
	8H	21.76	22.04	22.79	23.06	24.43	19.14	19.42	20.17	20.44	21.81