

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: P1427916

Luminaire Tested: SQ2W-PH1-K-100U-050D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427916
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-050D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

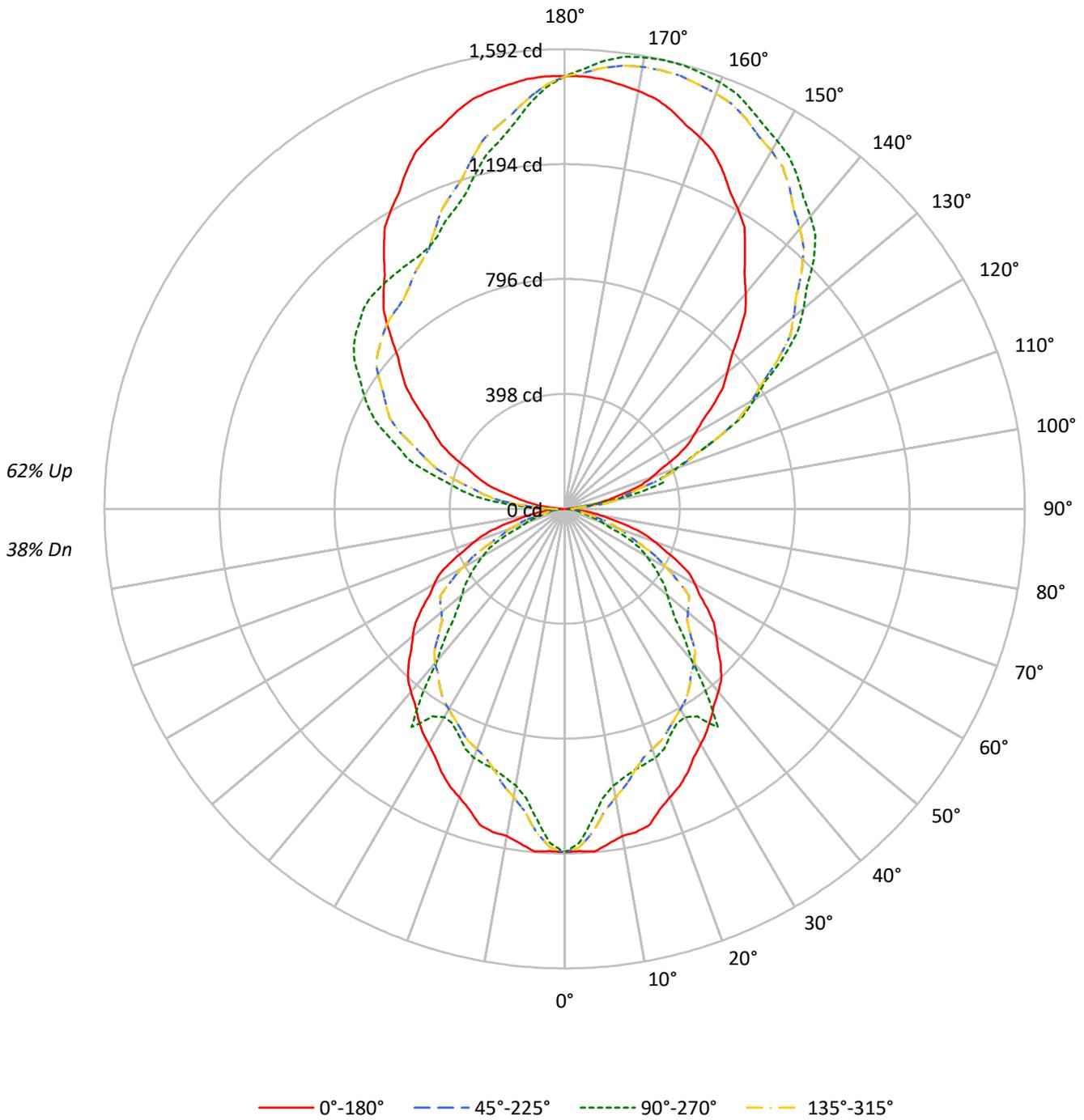
Lumens per Lamp: N/A
Luminaire Lumens: 7011.4 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 50.9
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

TEST NUMBER: P1427916

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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	104	104	104	104	95	95	95	95	76	76	76	60	60	60	45	45	45	38				
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32				
2	87	80	74	69	78	72	67	63	59	55	52	47	44	42	35	34	32	27				
3	79	70	63	57	72	64	58	53	52	48	44	41	38	36	31	29	27	23				
4	72	62	54	48	65	56	50	45	46	41	37	37	33	30	28	26	24	20				
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	23	21	17				
6	61	49	41	36	55	45	38	33	37	32	28	30	26	23	23	20	18	15				
7	56	44	37	31	51	41	34	29	34	28	25	27	23	20	21	18	16	13				
8	52	40	33	28	47	37	30	26	31	25	22	25	21	18	19	16	14	12				
9	49	37	29	24	44	34	27	23	28	23	19	23	19	16	18	15	13	11				
10	45	34	27	22	41	31	25	20	26	21	18	21	17	15	16	14	12	10				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19204	19204	19204	19204
5°	19314	17552	19314	17552
10°	18869	15955	18869	15955
15°	18953	15644	18953	15644
20°	18278	15769	18278	15769
25°	17943	15403	17943	15403
30°	17555	15528	17555	15528
35°	17420	18200	17420	18200
40°	17437	14431	17437	14431
45°	17442	12428	17442	12428
50°	17198	11655	17198	11655
55°	16979	11181	16979	11181
60°	16811	10488	16811	10488
65°	16515	9123	16515	9123
70°	15597	6519	15597	6519
75°	13905	4941	13905	4941
80°	11362	4630	11362	4630
85°	7132	3149	7132	3149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17442 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	1.5
10°-20°	275.3	3.9
20°-30°	403.6	5.8
30°-40°	488.7	7.0
40°-50°	480.6	6.9
50°-60°	418.0	6.0
60°-70°	290.7	4.1
70°-80°	137.9	2.0
80°-90°	36.6	0.5
90°-100°	119.3	1.7
100°-110°	347.8	5.0
110°-120°	567.6	8.1
120°-130°	720.2	10.3
130°-140°	770.6	11.0
140°-150°	719.6	10.3
150°-160°	592.1	8.4
160°-170°	397.1	5.7
170°-180°	141.0	2.0
0°-30°	783.5	11.2
0°-40°	1272.2	18.1
0°-60°	2170.8	31.0
0°-90°	2636.0	37.6
90°-120°	1034.6	14.8
90°-150°	3245.1	46.3
90°-180°	4375.0	62.4
0°-180°	7011.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1189	1189	1189	1189	1189	
5°	1192	1083	1192	1083	1192	112
15°	1134	936	1134	936	1134	316
25°	1007	865	1007	865	1007	463
35°	884	923	884	923	884	554
45°	764	544	764	544	764	587
55°	603	397	603	397	603	539
65°	432	239	432	239	432	425
75°	223	79	223	79	223	236
85°	38	17	38	17	38	52
90°	4	33	4	65	4	5
95°	47	35	47	204	47	57
105°	221	354	221	487	221	235
115°	424	587	424	724	424	418
125°	627	931	627	887	627	561
135°	852	1218	852	982	852	659
145°	1088	1405	1088	1004	1088	681
155°	1293	1526	1293	1041	1293	594
165°	1429	1591	1429	1199	1429	402
175°	1494	1558	1494	1406	1494	142
180°	1498	1498	1498	1498	1498	



TEST NUMBER: P1427916

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4
2.5°	1186.7	1192.3	1197.9	1190.0	1177.5	1168.9	1164.0	1160.2	1159.4	1158.6	1159.4
5°	1191.7	1191.1	1190.6	1167.1	1135.9	1112.6	1097.0	1085.0	1084.0	1083.0	1084.0
7.5°	1169.9	1154.3	1138.7	1107.2	1070.2	1043.2	1026.0	1012.9	1012.1	1011.3	1012.1
10°	1150.9	1127.3	1103.6	1067.9	1028.2	1000.5	984.9	973.2	973.2	973.2	973.2
12.5°	1146.4	1109.1	1071.7	1032.6	992.9	967.2	955.7	947.6	950.0	952.4	950.0
15°	1133.9	1077.6	1021.3	981.5	947.3	928.7	925.7	924.8	930.4	935.9	930.4
17.5°	1092.7	1032.1	971.4	936.5	910.1	900.2	906.6	913.1	919.5	925.9	919.5
20°	1063.8	1003.9	944.1	911.8	888.6	883.1	895.2	905.7	911.8	917.8	911.8
22.5°	1039.3	978.7	918.0	889.4	871.5	869.2	882.5	893.2	896.5	899.7	896.5
25°	1007.2	938.8	870.4	849.5	844.5	847.7	859.3	867.6	866.1	864.6	866.1
27.5°	968.7	897.3	825.9	812.5	818.4	824.9	831.9	837.4	838.3	839.2	838.3
30°	941.6	870.1	798.7	788.0	797.6	805.9	812.9	819.8	826.4	832.9	826.4
32.5°	915.3	841.5	767.6	760.0	774.3	789.9	806.6	822.9	837.8	852.8	837.8
35°	883.8	806.9	729.9	723.9	741.5	764.1	791.8	824.9	874.2	923.4	874.2
37.5°	850.8	768.3	685.8	683.1	706.9	730.8	754.6	776.4	792.1	807.8	792.1
40°	827.3	740.7	654.2	654.1	682.8	712.5	743.1	757.1	720.9	684.7	720.9
42.5°	801.9	715.4	628.9	626.3	651.8	684.5	724.4	739.1	677.9	616.8	677.9
45°	763.9	673.8	583.8	580.5	606.2	624.3	634.9	631.9	588.1	544.3	588.1
47.5°	719.1	633.3	547.5	546.7	574.4	576.4	552.8	530.8	513.7	496.6	513.7
50°	684.7	603.7	522.7	526.2	557.9	554.9	517.2	486.1	475.1	464.0	475.1
52.5°	651.2	574.2	497.3	506.6	544.7	538.7	488.5	449.0	441.6	434.1	441.6
55°	603.2	529.2	455.3	476.4	529.2	521.2	452.3	400.2	398.7	397.2	398.7
57.5°	552.3	482.3	412.4	427.1	469.9	461.5	401.7	357.6	360.2	362.8	360.2
60°	520.6	452.7	384.8	386.7	411.8	403.8	362.5	330.8	327.8	324.8	327.8
62.5°	487.1	422.4	357.7	348.3	357.4	347.9	320.0	298.2	295.2	292.2	295.2
65°	432.3	373.5	314.6	296.9	292.9	279.3	256.1	238.8	238.8	238.8	238.8
67.5°	372.1	320.8	269.5	249.6	240.3	226.8	209.2	193.0	180.9	168.8	180.9
70°	330.4	285.2	239.9	219.2	206.6	190.5	170.9	154.2	146.1	138.1	146.1
72.5°	286.1	247.3	208.4	187.2	171.8	156.1	140.1	125.8	116.5	107.3	116.5
75°	222.9	191.8	160.6	140.0	122.8	107.0	92.4	81.2	80.2	79.2	80.2
77.5°	161.2	138.4	115.7	99.0	84.3	73.3	65.9	60.5	60.6	60.7	60.6
80°	122.2	105.1	88.0	72.4	57.3	49.5	49.0	48.8	49.3	49.8	49.3
82.5°	86.0	73.3	60.7	50.7	41.6	37.5	38.2	38.7	38.8	38.9	38.8
85°	38.5	32.4	26.4	24.1	23.1	21.6	19.6	18.0	17.5	17.0	17.5
87.5°	9.1	9.9	11.0	11.2	10.9	10.6	10.6	10.9	11.2	11.2	11.2
90°	4.5	10.6	18.2	24.2	28.8	30.3	30.3	31.8	33.3	33.3	33.3
92.5°	16.7	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.4	39.4	39.4
95°	46.9	51.5	77.2	75.7	51.5	40.9	34.8	34.8	34.8	34.8	34.8
97.5°	89.6	96.3	100.5	134.7	142.3	137.4	112.0	94.1	84.2	79.6	84.2
100°	127.1	130.2	139.3	140.8	178.6	214.9	196.8	174.1	166.5	162.0	166.5
102.5°	164.7	166.5	180.4	186.8	195.6	216.1	279.1	272.2	267.0	266.1	267.0
105°	221.0	222.5	248.2	260.3	266.4	266.4	264.9	295.2	343.6	354.2	343.6
107.5°	281.2	288.2	318.5	350.9	357.8	359.6	351.8	347.2	345.4	346.6	345.4
110°	322.4	333.0	369.3	410.2	420.8	423.8	420.8	416.3	413.2	413.2	413.2



TEST NUMBER: P1427916

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.4	377.8	419.0	465.9	483.8	492.8	486.2	482.9	479.8	482.2	479.8
115°	423.8	446.5	501.0	549.5	585.8	590.3	588.8	588.8	587.3	587.3	587.3
117.5°	480.7	517.1	578.2	634.5	676.6	688.7	694.8	692.9	691.1	694.2	691.1
120°	520.7	563.1	632.7	696.3	737.1	755.3	761.4	758.3	761.4	758.3	761.4
122.5°	563.1	615.1	683.6	749.6	797.7	818.3	825.5	826.2	826.8	824.9	826.8
125°	626.7	690.2	770.4	838.6	888.5	912.7	918.8	920.3	923.3	930.9	923.3
127.5°	690.8	762.9	851.0	916.7	967.8	997.2	1006.6	1009.9	1016.3	1019.6	1016.3
130°	735.6	817.4	906.7	968.7	1018.7	1050.5	1067.1	1071.7	1079.2	1077.7	1079.2
132.5°	782.9	868.2	958.7	1023.2	1069.5	1103.8	1118.0	1131.0	1133.7	1135.8	1133.7
135°	852.2	944.5	1035.3	1098.9	1142.8	1176.1	1194.3	1206.4	1213.9	1218.5	1213.9
137.5°	925.1	1022.6	1109.8	1166.4	1210.6	1239.4	1260.0	1272.7	1280.5	1284.2	1280.5
140°	974.8	1068.6	1153.4	1212.4	1251.8	1280.5	1298.7	1313.8	1322.9	1322.9	1322.9
142.5°	1022.0	1114.7	1197.0	1256.0	1290.5	1316.9	1336.3	1347.8	1358.0	1358.0	1358.0
145°	1088.3	1180.6	1256.3	1315.4	1344.1	1368.3	1389.5	1398.6	1404.7	1404.7	1404.7
147.5°	1157.6	1239.4	1308.4	1365.0	1389.2	1417.7	1434.3	1441.6	1449.2	1445.8	1449.2
150°	1198.8	1274.5	1341.1	1394.1	1418.3	1445.5	1462.2	1468.2	1475.8	1471.3	1475.8
152.5°	1238.8	1310.8	1371.4	1420.7	1441.3	1468.5	1487.6	1493.7	1498.8	1495.5	1498.8
155°	1292.7	1356.2	1412.2	1457.6	1475.8	1501.5	1519.7	1527.3	1533.3	1525.8	1533.3
157.5°	1340.8	1395.6	1444.3	1486.1	1505.5	1527.6	1544.5	1553.9	1560.0	1556.6	1560.0
160°	1369.9	1419.8	1463.7	1503.1	1521.2	1540.9	1559.1	1569.7	1575.7	1571.2	1575.7
162.5°	1394.1	1439.2	1480.7	1516.4	1532.1	1549.4	1571.2	1580.6	1586.6	1580.9	1586.6
165°	1428.9	1465.2	1501.5	1531.8	1545.4	1559.1	1581.8	1592.4	1596.9	1590.8	1596.9
167.5°	1455.2	1483.1	1512.4	1538.5	1548.5	1561.8	1584.5	1593.3	1599.0	1591.5	1599.0
170°	1469.8	1494.0	1519.7	1540.9	1548.5	1560.6	1583.3	1590.8	1595.4	1587.8	1595.4
172.5°	1481.9	1500.0	1520.9	1539.7	1543.6	1553.3	1574.8	1582.4	1585.7	1579.3	1585.7
175°	1494.0	1504.6	1519.7	1531.8	1530.3	1536.4	1554.5	1560.6	1566.6	1557.5	1566.6
177.5°	1499.7	1504.6	1509.4	1516.7	1511.8	1511.8	1525.2	1528.8	1530.0	1525.2	1530.0
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4
2.5°	1160.2	1164.0	1168.9	1177.5	1190.0	1197.9	1192.3	1186.7	1192.3	1197.9	1190.0
5°	1085.0	1097.0	1112.6	1135.9	1167.1	1190.6	1191.1	1191.7	1191.1	1190.6	1167.1
7.5°	1012.9	1026.0	1043.2	1070.2	1107.2	1138.7	1154.3	1169.9	1154.3	1138.7	1107.2
10°	973.2	984.9	1000.5	1028.2	1067.9	1103.6	1127.3	1150.9	1127.3	1103.6	1067.9
12.5°	947.6	955.7	967.2	992.9	1032.6	1071.7	1109.1	1146.4	1109.1	1071.7	1032.6
15°	924.8	925.7	928.7	947.3	981.5	1021.3	1077.6	1133.9	1077.6	1021.3	981.5
17.5°	913.1	906.6	900.2	910.1	936.5	971.4	1032.1	1092.7	1032.1	971.4	936.5
20°	905.7	895.2	883.1	888.6	911.8	944.1	1003.9	1063.8	1003.9	944.1	911.8
22.5°	893.2	882.5	869.2	871.5	889.4	918.0	978.7	1039.3	978.7	918.0	889.4
25°	867.6	859.3	847.7	844.5	849.5	870.4	938.8	1007.2	938.8	870.4	849.5
27.5°	837.4	831.9	824.9	818.4	812.5	825.9	897.3	968.7	897.3	825.9	812.5
30°	819.8	812.9	805.9	797.6	788.0	798.7	870.1	941.6	870.1	798.7	788.0
32.5°	822.9	806.6	789.9	774.3	760.0	767.6	841.5	915.3	841.5	767.6	760.0
35°	824.9	791.8	764.1	741.5	723.9	729.9	806.9	883.8	806.9	729.9	723.9
37.5°	776.4	754.6	730.8	706.9	683.1	685.8	768.3	850.8	768.3	685.8	683.1
40°	757.1	743.1	712.5	682.8	654.1	654.2	740.7	827.3	740.7	654.2	654.1
42.5°	739.1	724.4	684.5	651.8	626.3	628.9	715.4	801.9	715.4	628.9	626.3
45°	631.9	634.9	624.3	606.2	580.5	583.8	673.8	763.9	673.8	583.8	580.5
47.5°	530.8	552.8	576.4	574.4	546.7	547.5	633.3	719.1	633.3	547.5	546.7
50°	486.1	517.2	554.9	557.9	526.2	522.7	603.7	684.7	603.7	522.7	526.2
52.5°	449.0	488.5	538.7	544.7	506.6	497.3	574.2	651.2	574.2	497.3	506.6
55°	400.2	452.3	521.2	529.2	476.4	455.3	529.2	603.2	529.2	455.3	476.4
57.5°	357.6	401.7	461.5	469.9	427.1	412.4	482.3	552.3	482.3	412.4	427.1
60°	330.8	362.5	403.8	411.8	386.7	384.8	452.7	520.6	452.7	384.8	386.7
62.5°	298.2	320.0	347.9	357.4	348.3	357.7	422.4	487.1	422.4	357.7	348.3
65°	238.8	256.1	279.3	292.9	296.9	314.6	373.5	432.3	373.5	314.6	296.9
67.5°	193.0	209.2	226.8	240.3	249.6	269.5	320.8	372.1	320.8	269.5	249.6
70°	154.2	170.9	190.5	206.6	219.2	239.9	285.2	330.4	285.2	239.9	219.2
72.5°	125.8	140.1	156.1	171.8	187.2	208.4	247.3	286.1	247.3	208.4	187.2
75°	81.2	92.4	107.0	122.8	140.0	160.6	191.8	222.9	191.8	160.6	140.0
77.5°	60.5	65.9	73.3	84.3	99.0	115.7	138.4	161.2	138.4	115.7	99.0
80°	48.8	49.0	49.5	57.3	72.4	88.0	105.1	122.2	105.1	88.0	72.4
82.5°	38.7	38.2	37.5	41.6	50.7	60.7	73.3	86.0	73.3	60.7	50.7
85°	18.0	19.6	21.6	23.1	24.1	26.4	32.4	38.5	32.4	26.4	24.1
87.5°	10.9	10.6	10.6	10.9	11.2	11.0	9.9	9.1	9.9	10.7	11.8
90°	31.8	30.3	30.3	28.8	24.2	18.2	10.6	4.5	10.6	16.7	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.7	28.8	40.9	58.7
95°	34.8	34.8	40.9	51.5	75.7	77.2	51.5	46.9	66.6	93.8	118.1
97.5°	94.1	112.0	137.4	142.3	134.7	100.5	96.3	89.6	122.0	148.9	188.0
100°	174.1	196.8	214.9	178.6	140.8	139.3	130.2	127.1	162.0	187.7	225.5
102.5°	272.2	279.1	216.1	195.6	186.8	180.4	166.5	164.7	199.5	234.9	266.7
105°	295.2	264.9	266.4	266.4	260.3	248.2	222.5	221.0	260.3	301.2	340.6
107.5°	347.2	351.8	359.6	357.8	350.9	318.5	288.2	281.2	316.7	365.7	409.0
110°	416.3	420.8	423.8	420.8	410.2	369.3	333.0	322.4	354.2	405.7	452.6



TEST NUMBER: P1427916

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.9	486.2	492.8	483.8	465.9	419.0	377.8	362.4	394.2	446.8	495.0
115°	588.8	588.8	590.3	585.8	549.5	501.0	446.5	423.8	451.1	499.5	552.5
117.5°	692.9	694.8	688.7	676.6	634.5	578.2	517.1	480.7	502.2	553.4	607.9
120°	758.3	761.4	755.3	737.1	696.3	632.7	563.1	520.7	537.3	587.3	641.8
122.5°	826.2	825.5	818.3	797.7	749.6	683.6	615.1	563.1	570.0	616.4	669.6
125°	920.3	918.8	912.7	888.5	838.6	770.4	690.2	626.7	617.6	656.9	711.4
127.5°	1009.9	1006.6	997.2	967.8	916.7	851.0	762.9	690.8	670.5	695.4	745.3
130°	1071.7	1067.1	1050.5	1018.7	968.7	906.7	817.4	735.6	706.9	722.0	765.9
132.5°	1131.0	1118.0	1103.8	1069.5	1023.2	958.7	868.2	782.9	743.2	749.9	784.1
135°	1206.4	1194.3	1176.1	1142.8	1098.9	1035.3	944.5	852.2	797.7	791.6	811.3
137.5°	1272.7	1260.0	1239.4	1210.6	1166.4	1109.8	1022.6	925.1	856.4	836.1	843.7
140°	1313.8	1298.7	1280.5	1251.8	1212.4	1153.4	1068.6	974.8	897.6	868.8	864.3
142.5°	1347.8	1336.3	1316.9	1290.5	1256.0	1197.0	1114.7	1022.0	940.0	902.7	892.1
145°	1398.6	1389.5	1368.3	1344.1	1315.4	1256.3	1180.6	1088.3	1006.6	958.1	935.4
147.5°	1441.6	1434.3	1417.7	1389.2	1365.0	1308.4	1239.4	1157.6	1073.8	1013.8	984.5
150°	1468.2	1462.2	1445.5	1418.3	1394.1	1341.1	1274.5	1198.8	1118.6	1055.0	1017.2
152.5°	1493.7	1487.6	1468.5	1441.3	1420.7	1371.4	1310.8	1238.8	1157.3	1093.8	1054.7
155°	1527.3	1519.7	1501.5	1475.8	1457.6	1412.2	1356.2	1292.7	1223.0	1156.4	1112.5
157.5°	1553.9	1544.5	1527.6	1505.5	1486.1	1444.3	1395.6	1340.8	1279.9	1216.4	1171.6
160°	1569.7	1559.1	1540.9	1521.2	1503.1	1463.7	1419.8	1369.9	1313.8	1256.3	1207.9
162.5°	1580.6	1571.2	1549.4	1532.1	1516.4	1480.7	1439.2	1394.1	1344.1	1293.9	1249.1
165°	1592.4	1581.8	1559.1	1545.4	1531.8	1501.5	1465.2	1428.9	1386.5	1345.6	1309.3
167.5°	1593.3	1584.5	1561.8	1548.5	1538.5	1512.4	1483.1	1455.2	1422.2	1390.1	1359.9
170°	1590.8	1583.3	1560.6	1548.5	1540.9	1519.7	1494.0	1469.8	1444.0	1416.8	1392.6
172.5°	1582.4	1574.8	1553.3	1543.6	1539.7	1520.9	1500.0	1481.9	1459.8	1439.8	1420.4
175°	1560.6	1554.5	1536.4	1530.3	1531.8	1519.7	1504.6	1494.0	1480.4	1468.2	1457.6
177.5°	1528.8	1525.2	1511.8	1511.8	1516.7	1509.4	1504.6	1499.7	1493.7	1490.0	1486.4
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1427916

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4	1189.4
2.5°	1177.5	1168.9	1164.0	1160.2	1159.4	1158.6	1159.4	1160.2	1164.0	1168.9	1177.5
5°	1135.9	1112.6	1097.0	1085.0	1084.0	1083.0	1084.0	1085.0	1097.0	1112.6	1135.9
7.5°	1070.2	1043.2	1026.0	1012.9	1012.1	1011.3	1012.1	1012.9	1026.0	1043.2	1070.2
10°	1028.2	1000.5	984.9	973.2	973.2	973.2	973.2	973.2	984.9	1000.5	1028.2
12.5°	992.9	967.2	955.7	947.6	950.0	952.4	950.0	947.6	955.7	967.2	992.9
15°	947.3	928.7	925.7	924.8	930.4	935.9	930.4	924.8	925.7	928.7	947.3
17.5°	910.1	900.2	906.6	913.1	919.5	925.9	919.5	913.1	906.6	900.2	910.1
20°	888.6	883.1	895.2	905.7	911.8	917.8	911.8	905.7	895.2	883.1	888.6
22.5°	871.5	869.2	882.5	893.2	896.5	899.7	896.5	893.2	882.5	869.2	871.5
25°	844.5	847.7	859.3	867.6	866.1	864.6	866.1	867.6	859.3	847.7	844.5
27.5°	818.4	824.9	831.9	837.4	838.3	839.2	838.3	837.4	831.9	824.9	818.4
30°	797.6	805.9	812.9	819.8	826.4	832.9	826.4	819.8	812.9	805.9	797.6
32.5°	774.3	789.9	806.6	822.9	837.8	852.8	837.8	822.9	806.6	789.9	774.3
35°	741.5	764.1	791.8	824.9	874.2	923.4	874.2	824.9	791.8	764.1	741.5
37.5°	706.9	730.8	754.6	776.4	792.1	807.8	792.1	776.4	754.6	730.8	706.9
40°	682.8	712.5	743.1	757.1	720.9	684.7	720.9	757.1	743.1	712.5	682.8
42.5°	651.8	684.5	724.4	739.1	677.9	616.8	677.9	739.1	724.4	684.5	651.8
45°	606.2	624.3	634.9	631.9	588.1	544.3	588.1	631.9	634.9	624.3	606.2
47.5°	574.4	576.4	552.8	530.8	513.7	496.6	513.7	530.8	552.8	576.4	574.4
50°	557.9	554.9	517.2	486.1	475.1	464.0	475.1	486.1	517.2	554.9	557.9
52.5°	544.7	538.7	488.5	449.0	441.6	434.1	441.6	449.0	488.5	538.7	544.7
55°	529.2	521.2	452.3	400.2	398.7	397.2	398.7	400.2	452.3	521.2	529.2
57.5°	469.9	461.5	401.7	357.6	360.2	362.8	360.2	357.6	401.7	461.5	469.9
60°	411.8	403.8	362.5	330.8	327.8	324.8	327.8	330.8	362.5	403.8	411.8
62.5°	357.4	347.9	320.0	298.2	295.2	292.2	295.2	298.2	320.0	347.9	357.4
65°	292.9	279.3	256.1	238.8	238.8	238.8	238.8	238.8	256.1	279.3	292.9
67.5°	240.3	226.8	209.2	193.0	180.9	168.8	180.9	193.0	209.2	226.8	240.3
70°	206.6	190.5	170.9	154.2	146.1	138.1	146.1	154.2	170.9	190.5	206.6
72.5°	171.8	156.1	140.1	125.8	116.5	107.3	116.5	125.8	140.1	156.1	171.8
75°	122.8	107.0	92.4	81.2	80.2	79.2	80.2	81.2	92.4	107.0	122.8
77.5°	84.3	73.3	65.9	60.5	60.6	60.7	60.6	60.5	65.9	73.3	84.3
80°	57.3	49.5	49.0	48.8	49.3	49.8	49.3	48.8	49.0	49.5	57.3
82.5°	41.6	37.5	38.2	38.7	38.8	38.9	38.8	38.7	38.2	37.5	41.6
85°	23.1	21.6	19.6	18.0	17.5	17.0	17.5	18.0	19.6	21.6	23.1
87.5°	12.1	13.6	15.7	16.9	18.1	17.5	18.1	16.9	15.7	13.6	12.1
90°	34.8	45.4	56.0	62.1	68.1	65.1	68.1	62.1	56.0	45.4	34.8
92.5°	69.9	87.8	100.8	111.7	116.6	115.9	116.6	111.7	100.8	87.8	69.9
95°	140.8	162.0	183.2	198.3	207.4	204.3	207.4	198.3	183.2	162.0	140.8
97.5°	217.1	245.5	269.1	283.4	292.4	298.5	292.4	283.4	269.1	245.5	217.1
100°	267.9	295.2	322.4	339.1	354.2	360.2	354.2	339.1	322.4	295.2	267.9
102.5°	309.1	344.8	374.5	392.3	405.1	411.1	405.1	392.3	374.5	344.8	309.1
105°	376.9	414.7	446.5	469.2	482.9	487.4	482.9	469.2	446.5	414.7	376.9
107.5°	444.7	483.8	513.1	538.3	554.9	564.6	554.9	538.3	513.1	483.8	444.7
110°	498.0	529.8	561.6	584.3	600.9	607.0	600.9	584.3	561.6	529.8	498.0



TEST NUMBER: P1427916

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.8	578.2	610.0	632.7	651.8	660.3	651.8	632.7	610.0	578.2	542.8
115°	605.5	652.4	681.1	702.3	716.0	723.5	716.0	702.3	681.1	652.4	605.5
117.5°	657.5	706.6	738.1	754.4	760.8	766.2	760.8	754.4	738.1	706.6	657.5
120°	690.2	735.6	772.0	793.2	800.7	803.7	800.7	793.2	772.0	735.6	690.2
122.5°	720.5	763.5	798.6	824.6	837.0	840.1	837.0	824.6	798.6	763.5	720.5
125°	762.9	803.7	840.1	865.8	879.4	887.0	879.4	865.8	840.1	803.7	762.9
127.5°	799.8	844.0	877.3	900.6	913.9	920.0	913.9	900.6	877.3	844.0	799.8
130°	820.4	865.8	899.1	924.8	937.0	943.0	937.0	924.8	899.1	865.8	820.4
132.5°	836.1	884.0	918.5	941.8	955.1	961.2	955.1	941.8	918.5	884.0	836.1
135°	855.2	905.2	941.5	964.2	976.3	982.4	976.3	964.2	941.5	905.2	855.2
137.5°	871.9	917.3	955.1	979.0	989.9	993.9	989.9	979.0	955.1	917.3	871.9
140°	884.0	923.3	961.2	983.9	996.0	997.5	996.0	983.9	961.2	923.3	884.0
142.5°	899.7	930.6	963.6	986.3	998.4	1001.1	998.4	986.3	963.6	930.6	899.7
145°	927.9	946.0	968.7	989.9	1000.5	1003.6	1000.5	989.9	968.7	946.0	927.9
147.5°	963.3	969.0	980.8	994.8	1005.1	1007.2	1005.1	994.8	980.8	969.0	963.3
150°	989.9	988.4	993.0	1002.0	1011.1	1009.6	1011.1	1002.0	993.0	988.4	989.9
152.5°	1020.2	1011.4	1011.1	1015.4	1019.6	1019.3	1019.6	1015.4	1011.1	1011.4	1020.2
155°	1071.7	1055.0	1045.9	1042.9	1042.9	1041.4	1042.9	1042.9	1045.9	1055.0	1071.7
157.5°	1128.3	1105.0	1091.3	1084.1	1082.0	1078.6	1082.0	1084.1	1091.3	1105.0	1128.3
160°	1167.0	1141.3	1127.7	1115.6	1111.0	1106.5	1111.0	1115.6	1127.7	1141.3	1167.0
162.5°	1203.4	1178.8	1164.0	1153.1	1148.6	1141.6	1148.6	1153.1	1164.0	1178.8	1203.4
165°	1262.4	1236.7	1220.0	1210.9	1204.9	1198.8	1204.9	1210.9	1220.0	1236.7	1262.4
167.5°	1321.4	1293.3	1282.4	1272.1	1266.3	1255.4	1266.3	1272.1	1282.4	1293.3	1321.4
170°	1357.7	1332.0	1326.0	1316.9	1306.3	1294.2	1306.3	1316.9	1326.0	1332.0	1357.7
172.5°	1389.2	1372.0	1365.9	1356.8	1353.5	1343.8	1353.5	1356.8	1365.9	1372.0	1389.2
175°	1434.9	1421.3	1421.3	1419.8	1415.3	1406.2	1415.3	1419.8	1421.3	1421.3	1434.9
177.5°	1473.1	1465.8	1470.7	1470.7	1469.5	1461.0	1469.5	1470.7	1470.7	1465.8	1473.1
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1427916

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1189.4	1189.4	1189.4	1189.4
2.5°	1190.0	1197.9	1192.3	1186.7
5°	1167.1	1190.6	1191.1	1191.7
7.5°	1107.2	1138.7	1154.3	1169.9
10°	1067.9	1103.6	1127.3	1150.9
12.5°	1032.6	1071.7	1109.1	1146.4
15°	981.5	1021.3	1077.6	1133.9
17.5°	936.5	971.4	1032.1	1092.7
20°	911.8	944.1	1003.9	1063.8
22.5°	889.4	918.0	978.7	1039.3
25°	849.5	870.4	938.8	1007.2
27.5°	812.5	825.9	897.3	968.7
30°	788.0	798.7	870.1	941.6
32.5°	760.0	767.6	841.5	915.3
35°	723.9	729.9	806.9	883.8
37.5°	683.1	685.8	768.3	850.8
40°	654.1	654.2	740.7	827.3
42.5°	626.3	628.9	715.4	801.9
45°	580.5	583.8	673.8	763.9
47.5°	546.7	547.5	633.3	719.1
50°	526.2	522.7	603.7	684.7
52.5°	506.6	497.3	574.2	651.2
55°	476.4	455.3	529.2	603.2
57.5°	427.1	412.4	482.3	552.3
60°	386.7	384.8	452.7	520.6
62.5°	348.3	357.7	422.4	487.1
65°	296.9	314.6	373.5	432.3
67.5°	249.6	269.5	320.8	372.1
70°	219.2	239.9	285.2	330.4
72.5°	187.2	208.4	247.3	286.1
75°	140.0	160.6	191.8	222.9
77.5°	99.0	115.7	138.4	161.2
80°	72.4	88.0	105.1	122.2
82.5°	50.7	60.7	73.3	86.0
85°	24.1	26.4	32.4	38.5
87.5°	11.8	10.7	9.9	9.1
90°	27.2	16.7	10.6	4.5
92.5°	58.7	40.9	28.8	16.7
95°	118.1	93.8	66.6	46.9
97.5°	188.0	148.9	122.0	89.6
100°	225.5	187.7	162.0	127.1
102.5°	266.7	234.9	199.5	164.7
105°	340.6	301.2	260.3	221.0
107.5°	409.0	365.7	316.7	281.2
110°	452.6	405.7	354.2	322.4



TEST NUMBER: P1427916

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	495.0	446.8	394.2	362.4
115°	552.5	499.5	451.1	423.8
117.5°	607.9	553.4	502.2	480.7
120°	641.8	587.3	537.3	520.7
122.5°	669.6	616.4	570.0	563.1
125°	711.4	656.9	617.6	626.7
127.5°	745.3	695.4	670.5	690.8
130°	765.9	722.0	706.9	735.6
132.5°	784.1	749.9	743.2	782.9
135°	811.3	791.6	797.7	852.2
137.5°	843.7	836.1	856.4	925.1
140°	864.3	868.8	897.6	974.8
142.5°	892.1	902.7	940.0	1022.0
145°	935.4	958.1	1006.6	1088.3
147.5°	984.5	1013.8	1073.8	1157.6
150°	1017.2	1055.0	1118.6	1198.8
152.5°	1054.7	1093.8	1157.3	1238.8
155°	1112.5	1156.4	1223.0	1292.7
157.5°	1171.6	1216.4	1279.9	1340.8
160°	1207.9	1256.3	1313.8	1369.9
162.5°	1249.1	1293.9	1344.1	1394.1
165°	1309.3	1345.6	1386.5	1428.9
167.5°	1359.9	1390.1	1422.2	1455.2
170°	1392.6	1416.8	1444.0	1469.8
172.5°	1420.4	1439.8	1459.8	1481.9
175°	1457.6	1468.2	1480.4	1494.0
177.5°	1486.4	1490.0	1493.7	1499.7
180°	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1427916
 CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L835-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	15.87	16.62	16.93	17.68	19.12	14.70	15.45	15.76	16.51	17.95
	3H	18.03	18.71	19.10	19.78	21.24	15.74	16.41	16.81	17.48	18.94
	4H	18.84	19.48	19.92	20.56	22.02	15.98	16.62	17.06	17.69	19.15
	6H	19.30	19.89	20.39	20.97	22.44	16.11	16.70	17.20	17.78	19.25
	8H	19.45	20.01	20.55	21.10	22.57	16.17	16.73	17.26	17.82	19.29
	12H	19.51	20.04	20.61	21.13	22.62	16.18	16.71	17.27	17.79	19.29
4H	2H	16.29	16.93	17.38	18.00	19.47	15.37	16.01	16.45	17.08	18.54
	3H	18.53	19.07	19.63	20.16	21.64	16.59	17.12	17.68	18.22	19.70
	4H	19.40	19.89	20.50	20.98	22.48	16.87	17.36	17.97	18.45	19.95
	6H	19.95	20.37	21.06	21.49	22.98	17.07	17.49	18.17	18.60	20.09
	8H	20.15	20.54	21.26	21.65	23.16	17.15	17.55	18.26	18.65	20.16
	12H	20.23	20.59	21.36	21.70	23.21	17.17	17.53	18.30	18.64	20.15
8H	4H	19.41	19.81	20.52	20.91	22.42	17.09	17.49	18.20	18.59	20.10
	6H	20.04	20.36	21.17	21.51	23.01	17.36	17.68	18.49	18.83	20.33
	8H	20.30	20.58	21.44	21.71	23.23	17.50	17.79	18.64	18.91	20.44
	12H	20.43	20.68	21.57	21.80	23.36	17.56	17.81	18.70	18.93	20.50
12H	4H	19.36	19.72	20.49	20.83	22.34	17.09	17.44	18.21	18.56	20.07
	6H	20.02	20.30	21.15	21.42	22.95	17.39	17.68	18.53	18.80	20.33
	8H	20.28	20.53	21.42	21.65	23.21	17.55	17.80	18.69	18.92	20.48