

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: P1427919

Luminaire Tested: SQ2W-PH1-K-100U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427919
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-L935-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, 90 CRI LEDS
Ballast/Driver: -

Summary

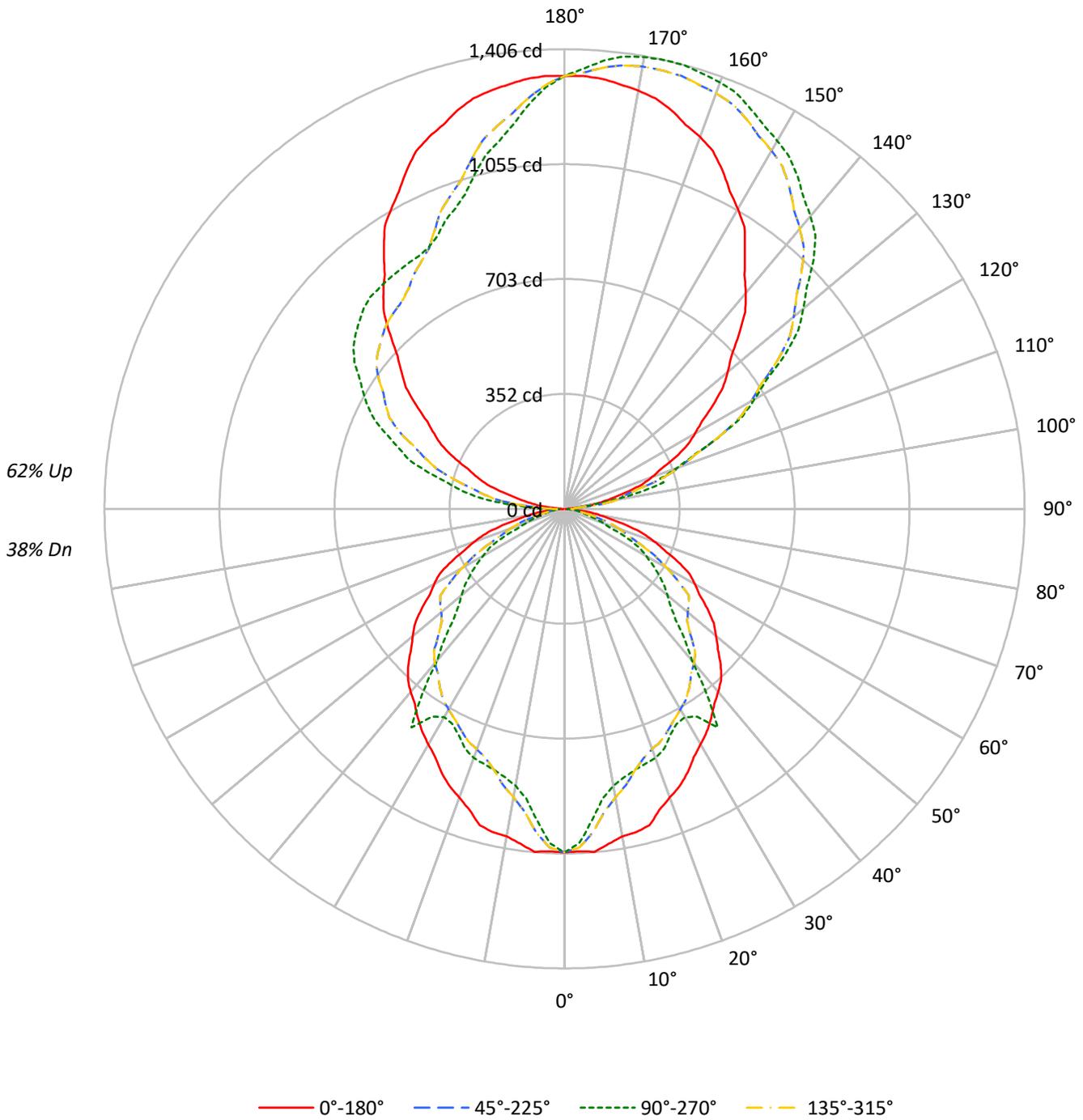
Lumens per Lamp: N/A
Luminaire Lumens: 6195.6 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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

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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°	16969	16969	16969	16969
5°	17066	15510	17066	15510
10°	16673	14099	16673	14099
15°	16749	13823	16749	13823
20°	16151	13934	16151	13934
25°	15855	13610	15855	13610
30°	15511	13721	15511	13721
35°	15394	16083	15394	16083
40°	15407	12751	15407	12751
45°	15412	10983	15412	10983
50°	15196	10298	15196	10298
55°	15003	9880	15003	9880
60°	14854	9268	14854	9268
65°	14594	8061	14594	8061
70°	13784	5759	13784	5759
75°	12289	4367	12289	4367
80°	10042	4091	10042	4091
85°	6298	2779	6298	2779

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15412 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	1.5
10°-20°	243.3	3.9
20°-30°	356.6	5.8
30°-40°	431.8	7.0
40°-50°	424.7	6.9
50°-60°	369.4	6.0
60°-70°	256.9	4.1
70°-80°	121.8	2.0
80°-90°	32.3	0.5
90°-100°	105.4	1.7
100°-110°	307.3	5.0
110°-120°	501.5	8.1
120°-130°	636.4	10.3
130°-140°	681.0	11.0
140°-150°	635.9	10.3
150°-160°	523.2	8.4
160°-170°	350.9	5.7
170°-180°	124.6	2.0
0°-30°	692.4	11.2
0°-40°	1124.2	18.1
0°-60°	1918.3	31.0
0°-90°	2329.3	37.6
90°-120°	914.2	14.8
90°-150°	2867.5	46.3
90°-180°	3866.0	62.4
0°-180°	6195.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1051	1051	1051	1051	1051	
5°	1053	957	1053	957	1053	99
15°	1002	827	1002	827	1002	279
25°	890	764	890	764	890	409
35°	781	816	781	816	781	489
45°	675	481	675	481	675	519
55°	533	351	533	351	533	476
65°	382	211	382	211	382	375
75°	197	70	197	70	197	209
85°	34	15	34	15	34	46
90°	4	29	4	58	4	4
95°	42	31	42	181	42	50
105°	195	313	195	431	195	208
115°	374	519	374	639	374	369
125°	554	823	554	784	554	495
135°	753	1077	753	868	753	582
145°	962	1241	962	887	962	602
155°	1142	1348	1142	920	1142	525
165°	1263	1406	1263	1059	1263	355
175°	1320	1376	1320	1243	1320	125
180°	1324	1324	1324	1324	1324	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0
2.5°	1048.6	1053.6	1058.6	1051.5	1040.5	1032.9	1028.6	1025.2	1024.5	1023.8	1024.5
5°	1053.0	1052.6	1052.1	1031.3	1003.8	983.1	969.3	958.8	957.9	957.0	957.9
7.5°	1033.8	1020.0	1006.3	978.3	945.7	921.8	906.6	895.0	894.3	893.6	894.3
10°	1017.0	996.1	975.2	943.7	908.6	884.1	870.3	860.0	860.0	860.0	860.0
12.5°	1013.0	980.0	947.1	912.5	877.4	854.7	844.5	837.3	839.5	841.6	839.5
15°	1002.0	952.2	902.5	867.3	837.1	820.7	818.0	817.2	822.1	827.0	822.1
17.5°	965.6	912.0	858.4	827.5	804.3	795.5	801.1	806.8	812.5	818.2	812.5
20°	940.0	887.1	834.2	805.7	785.2	780.3	791.0	800.3	805.7	811.0	805.7
22.5°	918.4	864.8	811.2	785.9	770.1	768.1	779.8	789.3	792.2	795.0	792.2
25°	890.0	829.6	769.1	750.7	746.2	749.1	759.3	766.7	765.3	764.0	765.3
27.5°	856.0	792.9	729.8	717.9	723.2	728.9	735.1	740.0	740.8	741.6	740.8
30°	832.0	768.9	705.8	696.3	704.8	712.1	718.3	724.5	730.2	736.0	730.2
32.5°	808.8	743.6	678.3	671.5	684.2	698.0	712.7	727.1	740.4	753.6	740.4
35°	781.0	713.0	645.0	639.7	655.2	675.2	699.7	728.9	772.5	816.0	772.5
37.5°	751.8	678.9	606.0	603.6	624.7	645.7	666.8	686.1	699.9	713.8	699.9
40°	731.0	654.6	578.1	578.0	603.3	629.6	656.7	669.0	637.0	605.0	637.0
42.5°	708.6	632.2	555.7	553.5	576.0	604.8	640.1	653.1	599.0	545.0	599.0
45°	675.0	595.4	515.9	513.0	535.7	551.7	561.0	558.3	519.7	481.0	519.7
47.5°	635.4	559.6	483.8	483.1	507.6	509.4	488.5	469.0	453.9	438.8	453.9
50°	605.0	533.4	461.9	465.0	493.0	490.3	457.0	429.6	419.8	410.0	419.8
52.5°	575.4	507.4	439.4	447.7	481.4	476.0	431.7	396.8	390.2	383.6	390.2
55°	533.0	467.7	402.3	421.0	467.7	460.6	399.7	353.7	352.3	351.0	352.3
57.5°	488.0	426.2	364.4	377.4	415.3	407.8	355.0	316.0	318.3	320.6	318.3
60°	460.0	400.0	340.0	341.7	363.9	356.8	320.3	292.3	289.7	287.0	289.7
62.5°	430.4	373.2	316.1	307.8	315.8	307.4	282.7	263.5	260.9	258.2	260.9
65°	382.0	330.0	278.0	262.3	258.8	246.8	226.3	211.0	211.0	211.0	211.0
67.5°	328.8	283.5	238.1	220.6	212.3	200.4	184.9	170.5	159.9	149.2	159.9
70°	292.0	252.0	212.0	193.7	182.6	168.3	151.0	136.2	129.1	122.0	129.1
72.5°	252.8	218.5	184.2	165.4	151.8	137.9	123.8	111.2	103.0	94.8	103.0
75°	197.0	169.4	141.9	123.7	108.6	94.6	81.7	71.8	70.9	70.0	70.9
77.5°	142.4	122.3	102.2	87.5	74.5	64.8	58.3	53.4	53.5	53.6	53.5
80°	108.0	92.9	77.8	64.0	50.7	43.8	43.3	43.1	43.6	44.0	43.6
82.5°	76.0	64.8	53.6	44.8	36.8	33.1	33.7	34.2	34.3	34.4	34.3
85°	34.0	28.7	23.3	21.3	20.4	19.1	17.3	15.9	15.4	15.0	15.4
87.5°	8.0	8.7	9.7	9.9	9.6	9.4	9.4	9.6	9.9	9.9	9.9
90°	4.0	9.4	16.1	21.4	25.4	26.8	26.8	28.1	29.4	29.4	29.4
92.5°	14.7	23.3	23.5	23.5	28.6	31.0	33.2	33.4	34.8	34.8	34.8
95°	41.5	45.5	68.2	66.9	45.5	36.1	30.8	30.8	30.8	30.8	30.8
97.5°	79.2	85.1	88.8	119.0	125.7	121.4	99.0	83.2	74.4	70.4	74.4
100°	112.4	115.0	123.1	124.4	157.8	189.9	173.9	153.8	147.1	143.1	147.1
102.5°	145.5	147.1	159.4	165.1	172.8	191.0	246.6	240.5	235.9	235.1	235.9
105°	195.3	196.6	219.4	230.1	235.4	235.4	234.1	260.8	303.6	313.0	303.6
107.5°	248.5	254.7	281.4	310.0	316.2	317.8	310.8	306.8	305.2	306.3	305.2
110°	284.9	294.3	326.4	362.5	371.8	374.5	371.8	367.8	365.1	365.1	365.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	320.2	333.9	370.2	411.7	427.5	435.5	429.6	426.7	424.0	426.1	424.0
115°	374.5	394.6	442.7	485.5	517.6	521.6	520.3	520.3	519.0	519.0	519.0
117.5°	424.8	456.9	510.9	560.7	597.9	608.6	613.9	612.3	610.7	613.4	610.7
120°	460.1	497.6	559.1	615.3	651.4	667.4	672.8	670.1	672.8	670.1	672.8
122.5°	497.6	543.6	604.0	662.4	704.9	723.1	729.5	730.0	730.6	729.0	730.6
125°	553.7	609.9	680.8	741.0	785.1	806.5	811.9	813.2	815.9	822.6	815.9
127.5°	610.5	674.1	752.0	810.0	855.2	881.2	889.5	892.4	898.0	901.0	898.0
130°	650.0	722.3	801.2	856.0	900.2	928.3	943.0	947.0	953.7	952.3	953.7
132.5°	691.8	767.2	847.2	904.2	945.1	975.3	987.9	999.4	1001.8	1003.7	1001.8
135°	753.0	834.6	914.9	971.1	1009.8	1039.3	1055.3	1066.0	1072.7	1076.7	1072.7
137.5°	817.5	903.6	980.7	1030.7	1069.8	1095.2	1113.4	1124.6	1131.6	1134.8	1131.6
140°	861.4	944.3	1019.2	1071.4	1106.1	1131.6	1147.6	1161.0	1169.0	1169.0	1169.0
142.5°	903.1	985.0	1057.7	1109.9	1140.4	1163.7	1180.8	1190.9	1200.0	1200.0	1200.0
145°	961.7	1043.3	1110.2	1162.3	1187.7	1209.1	1227.9	1235.9	1241.2	1241.2	1241.2
147.5°	1023.0	1095.2	1156.2	1206.2	1227.6	1252.7	1267.5	1273.9	1280.6	1277.6	1280.6
150°	1059.3	1126.2	1185.1	1231.9	1253.3	1277.4	1292.1	1297.4	1304.1	1300.1	1304.1
152.5°	1094.6	1158.3	1211.8	1255.4	1273.6	1297.7	1314.5	1319.9	1324.4	1321.5	1324.4
155°	1142.3	1198.4	1247.9	1288.1	1304.1	1326.8	1342.9	1349.6	1354.9	1348.2	1354.9
157.5°	1184.8	1233.2	1276.3	1313.2	1330.3	1349.9	1364.8	1373.1	1378.5	1375.5	1378.5
160°	1210.5	1254.6	1293.4	1328.2	1344.2	1361.6	1377.7	1387.0	1392.4	1388.4	1392.4
162.5°	1231.9	1271.7	1308.4	1340.0	1353.9	1369.1	1388.4	1396.7	1402.0	1396.9	1402.0
165°	1262.6	1294.7	1326.8	1353.6	1365.6	1377.7	1397.7	1407.1	1411.1	1405.8	1411.1
167.5°	1285.9	1310.5	1336.5	1359.5	1368.3	1380.1	1400.1	1407.9	1413.0	1406.3	1413.0
170°	1298.8	1320.2	1342.9	1361.6	1368.3	1379.0	1399.1	1405.8	1409.8	1403.1	1409.8
172.5°	1309.5	1325.5	1344.0	1360.6	1364.0	1372.6	1391.6	1398.3	1401.2	1395.6	1401.2
175°	1320.2	1329.5	1342.9	1353.6	1352.3	1357.6	1373.7	1379.0	1384.4	1376.3	1384.4
177.5°	1325.2	1329.5	1333.8	1340.2	1335.9	1335.9	1347.7	1350.9	1352.0	1347.7	1352.0
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0
2.5°	1025.2	1028.6	1032.9	1040.5	1051.5	1058.6	1053.6	1048.6	1053.6	1058.6	1051.5
5°	958.8	969.3	983.1	1003.8	1031.3	1052.1	1052.6	1053.0	1052.6	1052.1	1031.3
7.5°	895.0	906.6	921.8	945.7	978.3	1006.3	1020.0	1033.8	1020.0	1006.3	978.3
10°	860.0	870.3	884.1	908.6	943.7	975.2	996.1	1017.0	996.1	975.2	943.7
12.5°	837.3	844.5	854.7	877.4	912.5	947.1	980.0	1013.0	980.0	947.1	912.5
15°	817.2	818.0	820.7	837.1	867.3	902.5	952.2	1002.0	952.2	902.5	867.3
17.5°	806.8	801.1	795.5	804.3	827.5	858.4	912.0	965.6	912.0	858.4	827.5
20°	800.3	791.0	780.3	785.2	805.7	834.2	887.1	940.0	887.1	834.2	805.7
22.5°	789.3	779.8	768.1	770.1	785.9	811.2	864.8	918.4	864.8	811.2	785.9
25°	766.7	759.3	749.1	746.2	750.7	769.1	829.6	890.0	829.6	769.1	750.7
27.5°	740.0	735.1	728.9	723.2	717.9	729.8	792.9	856.0	792.9	729.8	717.9
30°	724.5	718.3	712.1	704.8	696.3	705.8	768.9	832.0	768.9	705.8	696.3
32.5°	727.1	712.7	698.0	684.2	671.5	678.3	743.6	808.8	743.6	678.3	671.5
35°	728.9	699.7	675.2	655.2	639.7	645.0	713.0	781.0	713.0	645.0	639.7
37.5°	686.1	666.8	645.7	624.7	603.6	606.0	678.9	751.8	678.9	606.0	603.6
40°	669.0	656.7	629.6	603.3	578.0	578.1	654.6	731.0	654.6	578.1	578.0
42.5°	653.1	640.1	604.8	576.0	553.5	555.7	632.2	708.6	632.2	555.7	553.5
45°	558.3	561.0	551.7	535.7	513.0	515.9	595.4	675.0	595.4	515.9	513.0
47.5°	469.0	488.5	509.4	507.6	483.1	483.8	559.6	635.4	559.6	483.8	483.1
50°	429.6	457.0	490.3	493.0	465.0	461.9	533.4	605.0	533.4	461.9	465.0
52.5°	396.8	431.7	476.0	481.4	447.7	439.4	507.4	575.4	507.4	439.4	447.7
55°	353.7	399.7	460.6	467.7	421.0	402.3	467.7	533.0	467.7	402.3	421.0
57.5°	316.0	355.0	407.8	415.3	377.4	364.4	426.2	488.0	426.2	364.4	377.4
60°	292.3	320.3	356.8	363.9	341.7	340.0	400.0	460.0	400.0	340.0	341.7
62.5°	263.5	282.7	307.4	315.8	307.8	316.1	373.2	430.4	373.2	316.1	307.8
65°	211.0	226.3	246.8	258.8	262.3	278.0	330.0	382.0	330.0	278.0	262.3
67.5°	170.5	184.9	200.4	212.3	220.6	238.1	283.5	328.8	283.5	238.1	220.6
70°	136.2	151.0	168.3	182.6	193.7	212.0	252.0	292.0	252.0	212.0	193.7
72.5°	111.2	123.8	137.9	151.8	165.4	184.2	218.5	252.8	218.5	184.2	165.4
75°	71.8	81.7	94.6	108.6	123.7	141.9	169.4	197.0	169.4	141.9	123.7
77.5°	53.4	58.3	64.8	74.5	87.5	102.2	122.3	142.4	122.3	102.2	87.5
80°	43.1	43.3	43.8	50.7	64.0	77.8	92.9	108.0	92.9	77.8	64.0
82.5°	34.2	33.7	33.1	36.8	44.8	53.6	64.8	76.0	64.8	53.6	44.8
85°	15.9	17.3	19.1	20.4	21.3	23.3	28.7	34.0	28.7	23.3	21.3
87.5°	9.6	9.4	9.4	9.6	9.9	9.7	8.7	8.0	8.7	9.4	10.4
90°	28.1	26.8	26.8	25.4	21.4	16.1	9.4	4.0	9.4	14.7	24.1
92.5°	33.4	33.2	31.0	28.6	23.5	23.5	23.3	14.7	25.4	36.1	51.9
95°	30.8	30.8	36.1	45.5	66.9	68.2	45.5	41.5	58.9	82.9	104.3
97.5°	83.2	99.0	121.4	125.7	119.0	88.8	85.1	79.2	107.8	131.6	166.1
100°	153.8	173.9	189.9	157.8	124.4	123.1	115.0	112.4	143.1	165.9	199.3
102.5°	240.5	246.6	191.0	172.8	165.1	159.4	147.1	145.5	176.3	207.6	235.7
105°	260.8	234.1	235.4	235.4	230.1	219.4	196.6	195.3	230.1	266.2	300.9
107.5°	306.8	310.8	317.8	316.2	310.0	281.4	254.7	248.5	279.8	323.2	361.4
110°	367.8	371.8	374.5	371.8	362.5	326.4	294.3	284.9	313.0	358.5	399.9



TEST NUMBER: P1427919

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	426.7	429.6	435.5	427.5	411.7	370.2	333.9	320.2	348.3	394.8	437.4
115°	520.3	520.3	521.6	517.6	485.5	442.7	394.6	374.5	398.6	441.4	488.2
117.5°	612.3	613.9	608.6	597.9	560.7	510.9	456.9	424.8	443.8	489.0	537.2
120°	670.1	672.8	667.4	651.4	615.3	559.1	497.6	460.1	474.8	519.0	567.1
122.5°	730.0	729.5	723.1	704.9	662.4	604.0	543.6	497.6	503.7	544.6	591.7
125°	813.2	811.9	806.5	785.1	741.0	680.8	609.9	553.7	545.7	580.5	628.6
127.5°	892.4	889.5	881.2	855.2	810.0	752.0	674.1	610.5	592.5	614.5	658.6
130°	947.0	943.0	928.3	900.2	856.0	801.2	722.3	650.0	624.6	638.0	676.8
132.5°	999.4	987.9	975.3	945.1	904.2	847.2	767.2	691.8	656.7	662.6	692.8
135°	1066.0	1055.3	1039.3	1009.8	971.1	914.9	834.6	753.0	704.9	699.5	716.9
137.5°	1124.6	1113.4	1095.2	1069.8	1030.7	980.7	903.6	817.5	756.8	738.9	745.5
140°	1161.0	1147.6	1131.6	1106.1	1071.4	1019.2	944.3	861.4	793.2	767.8	763.7
142.5°	1190.9	1180.8	1163.7	1140.4	1109.9	1057.7	985.0	903.1	830.6	797.7	788.3
145°	1235.9	1227.9	1209.1	1187.7	1162.3	1110.2	1043.3	961.7	889.5	846.7	826.6
147.5°	1273.9	1267.5	1252.7	1227.6	1206.2	1156.2	1095.2	1023.0	948.9	895.9	869.9
150°	1297.4	1292.1	1277.4	1253.3	1231.9	1185.1	1126.2	1059.3	988.4	932.3	898.8
152.5°	1319.9	1314.5	1297.7	1273.6	1255.4	1211.8	1158.3	1094.6	1022.7	966.5	932.0
155°	1349.6	1342.9	1326.8	1304.1	1288.1	1247.9	1198.4	1142.3	1080.7	1021.9	983.1
157.5°	1373.1	1364.8	1349.9	1330.3	1313.2	1276.3	1233.2	1184.8	1131.0	1074.9	1035.3
160°	1387.0	1377.7	1361.6	1344.2	1328.2	1293.4	1254.6	1210.5	1161.0	1110.2	1067.4
162.5°	1396.7	1388.4	1369.1	1353.9	1340.0	1308.4	1271.7	1231.9	1187.7	1143.3	1103.7
165°	1407.1	1397.7	1377.7	1365.6	1353.6	1326.8	1294.7	1262.6	1225.2	1189.1	1157.0
167.5°	1407.9	1400.1	1380.1	1368.3	1359.5	1336.5	1310.5	1285.9	1256.8	1228.4	1201.7
170°	1405.8	1399.1	1379.0	1368.3	1361.6	1342.9	1320.2	1298.8	1276.0	1251.9	1230.5
172.5°	1398.3	1391.6	1372.6	1364.0	1360.6	1344.0	1325.5	1309.5	1289.9	1272.3	1255.2
175°	1379.0	1373.7	1357.6	1352.3	1353.6	1342.9	1329.5	1320.2	1308.1	1297.4	1288.1
177.5°	1350.9	1347.7	1335.9	1335.9	1340.2	1333.8	1329.5	1325.2	1319.9	1316.7	1313.5
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427919

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0
2.5°	1040.5	1032.9	1028.6	1025.2	1024.5	1023.8	1024.5	1025.2	1028.6	1032.9	1040.5
5°	1003.8	983.1	969.3	958.8	957.9	957.0	957.9	958.8	969.3	983.1	1003.8
7.5°	945.7	921.8	906.6	895.0	894.3	893.6	894.3	895.0	906.6	921.8	945.7
10°	908.6	884.1	870.3	860.0	860.0	860.0	860.0	860.0	870.3	884.1	908.6
12.5°	877.4	854.7	844.5	837.3	839.5	841.6	839.5	837.3	844.5	854.7	877.4
15°	837.1	820.7	818.0	817.2	822.1	827.0	822.1	817.2	818.0	820.7	837.1
17.5°	804.3	795.5	801.1	806.8	812.5	818.2	812.5	806.8	801.1	795.5	804.3
20°	785.2	780.3	791.0	800.3	805.7	811.0	805.7	800.3	791.0	780.3	785.2
22.5°	770.1	768.1	779.8	789.3	792.2	795.0	792.2	789.3	779.8	768.1	770.1
25°	746.2	749.1	759.3	766.7	765.3	764.0	765.3	766.7	759.3	749.1	746.2
27.5°	723.2	728.9	735.1	740.0	740.8	741.6	740.8	740.0	735.1	728.9	723.2
30°	704.8	712.1	718.3	724.5	730.2	736.0	730.2	724.5	718.3	712.1	704.8
32.5°	684.2	698.0	712.7	727.1	740.4	753.6	740.4	727.1	712.7	698.0	684.2
35°	655.2	675.2	699.7	728.9	772.5	816.0	772.5	728.9	699.7	675.2	655.2
37.5°	624.7	645.7	666.8	686.1	699.9	713.8	699.9	686.1	666.8	645.7	624.7
40°	603.3	629.6	656.7	669.0	637.0	605.0	637.0	669.0	656.7	629.6	603.3
42.5°	576.0	604.8	640.1	653.1	599.0	545.0	599.0	653.1	640.1	604.8	576.0
45°	535.7	551.7	561.0	558.3	519.7	481.0	519.7	558.3	561.0	551.7	535.7
47.5°	507.6	509.4	488.5	469.0	453.9	438.8	453.9	469.0	488.5	509.4	507.6
50°	493.0	490.3	457.0	429.6	419.8	410.0	419.8	429.6	457.0	490.3	493.0
52.5°	481.4	476.0	431.7	396.8	390.2	383.6	390.2	396.8	431.7	476.0	481.4
55°	467.7	460.6	399.7	353.7	352.3	351.0	352.3	353.7	399.7	460.6	467.7
57.5°	415.3	407.8	355.0	316.0	318.3	320.6	318.3	316.0	355.0	407.8	415.3
60°	363.9	356.8	320.3	292.3	289.7	287.0	289.7	292.3	320.3	356.8	363.9
62.5°	315.8	307.4	282.7	263.5	260.9	258.2	260.9	263.5	282.7	307.4	315.8
65°	258.8	246.8	226.3	211.0	211.0	211.0	211.0	211.0	226.3	246.8	258.8
67.5°	212.3	200.4	184.9	170.5	159.9	149.2	159.9	170.5	184.9	200.4	212.3
70°	182.6	168.3	151.0	136.2	129.1	122.0	129.1	136.2	151.0	168.3	182.6
72.5°	151.8	137.9	123.8	111.2	103.0	94.8	103.0	111.2	123.8	137.9	151.8
75°	108.6	94.6	81.7	71.8	70.9	70.0	70.9	71.8	81.7	94.6	108.6
77.5°	74.5	64.8	58.3	53.4	53.5	53.6	53.5	53.4	58.3	64.8	74.5
80°	50.7	43.8	43.3	43.1	43.6	44.0	43.6	43.1	43.3	43.8	50.7
82.5°	36.8	33.1	33.7	34.2	34.3	34.4	34.3	34.2	33.7	33.1	36.8
85°	20.4	19.1	17.3	15.9	15.4	15.0	15.4	15.9	17.3	19.1	20.4
87.5°	10.7	12.0	13.9	15.0	16.0	15.5	16.0	15.0	13.9	12.0	10.7
90°	30.8	40.1	49.5	54.8	60.2	57.5	60.2	54.8	49.5	40.1	30.8
92.5°	61.8	77.6	89.1	98.7	103.0	102.5	103.0	98.7	89.1	77.6	61.8
95°	124.4	143.1	161.8	175.2	183.2	180.6	183.2	175.2	161.8	143.1	124.4
97.5°	191.8	216.9	237.8	250.4	258.4	263.8	258.4	250.4	237.8	216.9	191.8
100°	236.7	260.8	284.9	299.6	313.0	318.3	313.0	299.6	284.9	260.8	236.7
102.5°	273.1	304.7	330.9	346.7	357.9	363.3	357.9	346.7	330.9	304.7	273.1
105°	333.0	366.5	394.6	414.6	426.7	430.7	426.7	414.6	394.6	366.5	333.0
107.5°	393.0	427.5	453.4	475.6	490.3	498.9	490.3	475.6	453.4	427.5	393.0
110°	440.1	468.1	496.2	516.3	531.0	536.4	531.0	516.3	496.2	468.1	440.1



TEST NUMBER: P1427919

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	479.6	510.9	539.0	559.1	575.9	583.4	575.9	559.1	539.0	510.9	479.6
115°	535.0	576.5	601.9	620.6	632.7	639.3	632.7	620.6	601.9	576.5	535.0
117.5°	581.0	624.4	652.2	666.6	672.3	677.1	672.3	666.6	652.2	624.4	581.0
120°	609.9	650.0	682.1	700.9	707.6	710.2	707.6	700.9	682.1	650.0	609.9
122.5°	636.7	674.7	705.7	728.7	739.7	742.3	739.7	728.7	705.7	674.7	636.7
125°	674.1	710.2	742.3	765.1	777.1	783.8	777.1	765.1	742.3	710.2	674.1
127.5°	706.8	745.8	775.2	795.8	807.6	813.0	807.6	795.8	775.2	745.8	706.8
130°	724.9	765.1	794.5	817.2	827.9	833.3	827.9	817.2	794.5	765.1	724.9
132.5°	738.9	781.1	811.6	832.2	844.0	849.3	844.0	832.2	811.6	781.1	738.9
135°	755.7	799.9	832.0	852.0	862.7	868.1	862.7	852.0	832.0	799.9	755.7
137.5°	770.4	810.6	844.0	865.1	874.8	878.2	874.8	865.1	844.0	810.6	770.4
140°	781.1	815.9	849.3	869.4	880.1	881.4	880.1	869.4	849.3	815.9	781.1
142.5°	795.0	822.3	851.5	871.5	882.2	884.7	882.2	871.5	851.5	822.3	795.0
145°	819.9	836.0	856.0	874.8	884.1	886.8	884.1	874.8	856.0	836.0	819.9
147.5°	851.2	856.3	866.7	879.0	888.1	890.0	888.1	879.0	866.7	856.3	851.2
150°	874.8	873.4	877.4	885.5	893.5	892.1	893.5	885.5	877.4	873.4	874.8
152.5°	901.5	893.7	893.5	897.2	901.0	900.7	901.0	897.2	893.5	893.7	901.5
155°	947.0	932.3	924.2	921.6	921.6	920.2	921.6	921.6	924.2	932.3	947.0
157.5°	997.0	976.4	964.4	957.9	956.1	953.1	956.1	957.9	964.4	976.4	997.0
160°	1031.2	1008.5	996.5	985.8	981.8	977.7	981.8	985.8	996.5	1008.5	1031.2
162.5°	1063.3	1041.7	1028.6	1018.9	1014.9	1008.8	1014.9	1018.9	1028.6	1041.7	1063.3
165°	1115.5	1092.8	1078.1	1070.0	1064.7	1059.3	1064.7	1070.0	1078.1	1092.8	1115.5
167.5°	1167.7	1142.8	1133.2	1124.1	1119.0	1109.4	1119.0	1124.1	1133.2	1142.8	1167.7
170°	1199.8	1177.0	1171.7	1163.7	1154.3	1143.6	1154.3	1163.7	1171.7	1177.0	1199.8
172.5°	1227.6	1212.4	1207.0	1199.0	1196.0	1187.5	1196.0	1199.0	1207.0	1212.4	1227.6
175°	1268.0	1256.0	1256.0	1254.6	1250.6	1242.6	1250.6	1254.6	1256.0	1256.0	1268.0
177.5°	1301.7	1295.3	1299.6	1299.6	1298.5	1291.0	1298.5	1299.6	1299.6	1295.3	1301.7
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427919

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1051.0	1051.0	1051.0	1051.0
2.5°	1051.5	1058.6	1053.6	1048.6
5°	1031.3	1052.1	1052.6	1053.0
7.5°	978.3	1006.3	1020.0	1033.8
10°	943.7	975.2	996.1	1017.0
12.5°	912.5	947.1	980.0	1013.0
15°	867.3	902.5	952.2	1002.0
17.5°	827.5	858.4	912.0	965.6
20°	805.7	834.2	887.1	940.0
22.5°	785.9	811.2	864.8	918.4
25°	750.7	769.1	829.6	890.0
27.5°	717.9	729.8	792.9	856.0
30°	696.3	705.8	768.9	832.0
32.5°	671.5	678.3	743.6	808.8
35°	639.7	645.0	713.0	781.0
37.5°	603.6	606.0	678.9	751.8
40°	578.0	578.1	654.6	731.0
42.5°	553.5	555.7	632.2	708.6
45°	513.0	515.9	595.4	675.0
47.5°	483.1	483.8	559.6	635.4
50°	465.0	461.9	533.4	605.0
52.5°	447.7	439.4	507.4	575.4
55°	421.0	402.3	467.7	533.0
57.5°	377.4	364.4	426.2	488.0
60°	341.7	340.0	400.0	460.0
62.5°	307.8	316.1	373.2	430.4
65°	262.3	278.0	330.0	382.0
67.5°	220.6	238.1	283.5	328.8
70°	193.7	212.0	252.0	292.0
72.5°	165.4	184.2	218.5	252.8
75°	123.7	141.9	169.4	197.0
77.5°	87.5	102.2	122.3	142.4
80°	64.0	77.8	92.9	108.0
82.5°	44.8	53.6	64.8	76.0
85°	21.3	23.3	28.7	34.0
87.5°	10.4	9.4	8.7	8.0
90°	24.1	14.7	9.4	4.0
92.5°	51.9	36.1	25.4	14.7
95°	104.3	82.9	58.9	41.5
97.5°	166.1	131.6	107.8	79.2
100°	199.3	165.9	143.1	112.4
102.5°	235.7	207.6	176.3	145.5
105°	300.9	266.2	230.1	195.3
107.5°	361.4	323.2	279.8	248.5
110°	399.9	358.5	313.0	284.9



TEST NUMBER: P1427919

CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	437.4	394.8	348.3	320.2
115°	488.2	441.4	398.6	374.5
117.5°	537.2	489.0	443.8	424.8
120°	567.1	519.0	474.8	460.1
122.5°	591.7	544.6	503.7	497.6
125°	628.6	580.5	545.7	553.7
127.5°	658.6	614.5	592.5	610.5
130°	676.8	638.0	624.6	650.0
132.5°	692.8	662.6	656.7	691.8
135°	716.9	699.5	704.9	753.0
137.5°	745.5	738.9	756.8	817.5
140°	763.7	767.8	793.2	861.4
142.5°	788.3	797.7	830.6	903.1
145°	826.6	846.7	889.5	961.7
147.5°	869.9	895.9	948.9	1023.0
150°	898.8	932.3	988.4	1059.3
152.5°	932.0	966.5	1022.7	1094.6
155°	983.1	1021.9	1080.7	1142.3
157.5°	1035.3	1074.9	1131.0	1184.8
160°	1067.4	1110.2	1161.0	1210.5
162.5°	1103.7	1143.3	1187.7	1231.9
165°	1157.0	1189.1	1225.2	1262.6
167.5°	1201.7	1228.4	1256.8	1285.9
170°	1230.5	1251.9	1276.0	1298.8
172.5°	1255.2	1272.3	1289.9	1309.5
175°	1288.1	1297.4	1308.1	1320.2
177.5°	1313.5	1316.7	1319.9	1325.2
180°	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427919
 CATALOG NUMBER: SQ2W-PH1-K-100U-050D-L935-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	15.44	16.19	16.50	17.25	18.69	14.27	15.02	15.33	16.08	17.52
	3H	17.60	18.28	18.67	19.35	20.81	15.31	15.99	16.38	17.05	18.51
	4H	18.41	19.05	19.49	20.12	21.59	15.55	16.19	16.63	17.26	18.72
	6H	18.87	19.46	19.96	20.54	22.01	15.68	16.27	16.77	17.35	18.82
	8H	19.02	19.58	20.12	20.67	22.14	15.74	16.30	16.83	17.39	18.86
	12H	19.08	19.61	20.18	20.70	22.19	15.75	16.28	16.84	17.36	18.86
4H	2H	15.86	16.50	16.95	17.57	19.04	14.94	15.58	16.02	16.65	18.11
	3H	18.10	18.64	19.20	19.73	21.21	16.16	16.69	17.25	17.79	19.27
	4H	18.97	19.46	20.07	20.55	22.05	16.44	16.93	17.54	18.02	19.52
	6H	19.52	19.94	20.63	21.05	22.55	16.64	17.06	17.74	18.17	19.66
	8H	19.72	20.12	20.83	21.22	22.73	16.72	17.12	17.83	18.22	19.73
	12H	19.80	20.16	20.93	21.27	22.79	16.74	17.10	17.87	18.21	19.73
8H	4H	18.98	19.38	20.09	20.48	21.99	16.67	17.06	17.77	18.16	19.67
	6H	19.61	19.93	20.74	21.08	22.58	16.93	17.25	18.06	18.40	19.90
	8H	19.87	20.15	21.01	21.28	22.80	17.07	17.36	18.21	18.48	20.01
	12H	20.00	20.25	21.14	21.37	22.93	17.13	17.38	18.27	18.51	20.07
12H	4H	18.93	19.29	20.06	20.40	21.91	16.66	17.01	17.78	18.13	19.64
	6H	19.59	19.87	20.72	20.99	22.52	16.96	17.25	18.10	18.37	19.90
	8H	19.85	20.10	20.99	21.22	22.78	17.12	17.37	18.26	18.49	20.05