

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: P1427874

Luminaire Tested: SQ2W-PH1-K-050U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427874
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-050U-075D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

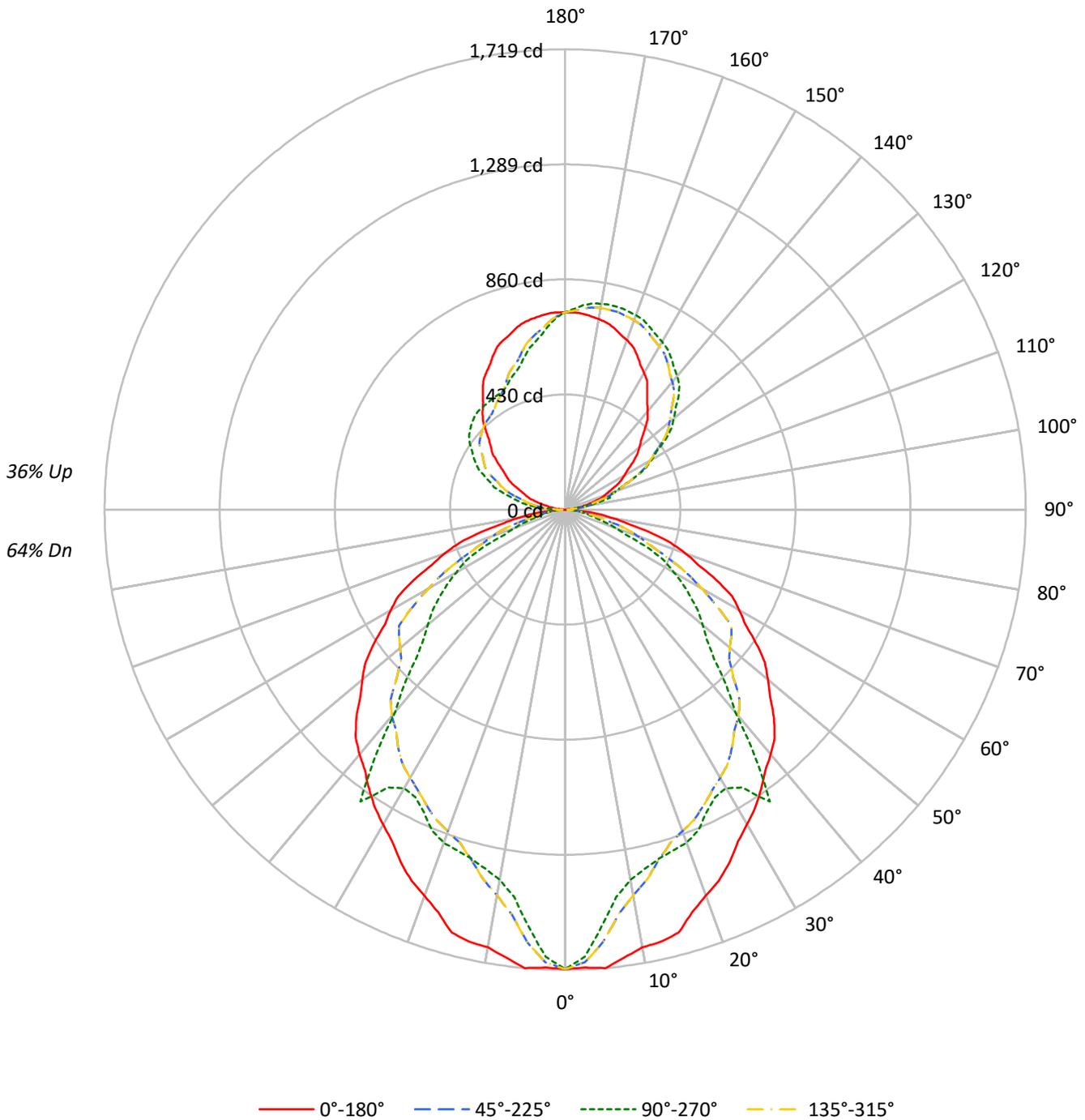
Lumens per Lamp: N/A
Luminaire Lumens: 5947.7 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 41.6
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: P1427874

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L835-UNV-STD-W-WM-4

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	104	104	104	104	91	91	91	79	79	79	69	69	69	64				
1	101	97	93	90	95	91	88	85	80	78	75	70	69	67	61	60	59	54				
2	92	85	79	73	86	80	74	70	71	66	63	62	59	56	54	52	50	46				
3	84	75	67	61	79	70	64	59	62	57	53	55	51	48	48	45	43	39				
4	77	66	58	52	72	63	55	50	56	50	45	49	45	41	43	40	37	34				
5	71	59	51	45	66	56	48	43	50	44	39	44	39	36	39	35	32	29				
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	26				
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	23				
8	56	44	36	30	53	42	34	29	37	31	27	33	28	25	30	26	23	20				
9	53	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18				
10	49	37	29	25	46	35	28	24	32	26	22	28	24	20	25	21	19	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27703	27703	27703	27703
5°	27860	25321	27860	25321
10°	27220	23018	27220	23018
15°	27343	22567	27343	22567
20°	26367	22749	26367	22749
25°	25883	22218	25883	22218
30°	25323	22400	25323	22400
35°	25130	26256	25130	26256
40°	25153	20817	25153	20817
45°	25160	17929	25160	17929
50°	24809	16811	24809	16811
55°	24492	16129	24492	16129
60°	24251	15128	24251	15128
65°	23824	13161	23824	13161
70°	22503	9404	22503	9404
75°	20062	7130	20062	7130
80°	16392	6676	16392	6676
85°	10281	4539	10281	4539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25160 cd/sqm



TEST NUMBER: P1427874

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L835-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.0	2.5
10°-20°	397.1	6.7
20°-30°	582.2	9.8
30°-40°	705.0	11.9
40°-50°	693.2	11.7
50°-60°	603.0	10.1
60°-70°	419.4	7.1
70°-80°	198.9	3.3
80°-90°	46.9	0.8
90°-100°	58.6	1.0
100°-110°	171.0	2.9
110°-120°	279.0	4.7
120°-130°	354.0	6.0
130°-140°	378.8	6.4
140°-150°	353.8	5.9
150°-160°	291.1	4.9
160°-170°	195.2	3.3
170°-180°	69.3	1.2
0°-30°	1130.3	19.0
0°-40°	1835.3	30.9
0°-60°	3131.6	52.7
0°-90°	3796.8	63.8
90°-120°	508.6	8.6
90°-150°	1595.3	26.8
90°-180°	2151.0	36.2
0°-180°	5947.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1716	1716	1716	1716	1716	
5°	1719	1562	1719	1562	1719	162
15°	1636	1350	1636	1350	1636	456
25°	1453	1247	1453	1247	1453	668
35°	1275	1332	1275	1332	1275	799
45°	1102	785	1102	785	1102	847
55°	870	573	870	573	870	777
65°	624	344	624	344	624	613
75°	322	114	322	114	322	341
85°	56	24	56	24	56	74
90°	2	16	2	32	2	3
95°	23	17	23	100	23	28
105°	109	174	109	240	109	116
115°	208	289	208	356	208	205
125°	308	458	308	436	308	276
135°	419	599	419	483	419	324
145°	535	690	535	493	535	335
155°	636	750	636	512	636	292
165°	702	782	702	589	702	198
175°	734	766	734	691	734	70
180°	737	737	737	737	737	



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CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8
2.5°	1711.9	1720.0	1728.1	1716.6	1698.6	1686.2	1679.2	1673.7	1672.5	1671.4	1672.5
5°	1719.0	1718.3	1717.6	1683.7	1638.7	1604.9	1582.5	1565.2	1563.8	1562.3	1563.8
7.5°	1687.7	1665.2	1642.7	1597.1	1543.9	1504.9	1480.0	1461.1	1460.0	1458.8	1460.0
10°	1660.3	1626.2	1592.1	1540.5	1483.2	1443.3	1420.8	1404.0	1404.0	1404.0	1404.0
12.5°	1653.7	1599.9	1546.1	1489.6	1432.3	1395.3	1378.6	1367.0	1370.4	1373.9	1370.4
15°	1635.8	1554.5	1473.3	1415.9	1366.6	1339.8	1335.4	1334.1	1342.1	1350.1	1342.1
17.5°	1576.4	1488.9	1401.4	1351.0	1312.9	1298.6	1307.9	1317.1	1326.4	1335.7	1326.4
20°	1534.6	1448.2	1361.9	1315.3	1281.9	1273.9	1291.3	1306.6	1315.3	1324.0	1315.3
22.5°	1499.3	1411.8	1324.3	1283.0	1257.2	1253.9	1273.0	1288.6	1293.2	1297.8	1293.2
25°	1452.9	1354.3	1255.6	1225.5	1218.2	1222.9	1239.6	1251.6	1249.4	1247.2	1249.4
27.5°	1397.4	1294.4	1191.4	1172.0	1180.6	1190.0	1200.1	1208.1	1209.4	1210.7	1209.4
30°	1358.3	1255.2	1152.2	1136.8	1150.6	1162.5	1172.7	1182.7	1192.1	1201.5	1192.1
32.5°	1320.4	1213.9	1107.4	1096.3	1117.0	1139.5	1163.5	1187.0	1208.6	1230.3	1208.6
35°	1275.0	1164.0	1053.0	1044.3	1069.7	1102.3	1142.2	1189.9	1261.0	1332.1	1261.0
37.5°	1227.3	1108.3	989.3	985.4	1019.8	1054.2	1088.6	1120.0	1142.7	1165.3	1142.7
40°	1193.4	1068.6	943.8	943.6	985.0	1027.8	1072.0	1092.2	1039.9	987.7	1039.9
42.5°	1156.8	1032.0	907.2	903.5	940.3	987.4	1045.0	1066.2	977.9	889.7	977.9
45°	1101.9	972.1	842.2	837.5	874.5	900.6	915.8	911.5	848.4	785.2	848.4
47.5°	1037.3	913.5	789.7	788.7	828.6	831.5	797.4	765.7	741.0	716.3	741.0
50°	987.7	870.9	754.0	759.1	804.8	800.5	746.1	701.3	685.3	669.3	685.3
52.5°	939.3	828.3	717.3	730.8	785.8	777.1	704.7	647.7	637.0	626.2	637.0
55°	870.1	763.5	656.8	687.3	763.5	751.9	652.5	577.4	575.2	573.0	575.2
57.5°	796.7	695.8	595.0	616.1	677.9	665.7	579.5	515.8	519.6	523.4	519.6
60°	751.0	653.0	555.1	557.8	594.1	582.4	522.9	477.2	472.9	468.5	472.9
62.5°	702.6	609.3	516.0	502.5	515.5	501.9	461.6	430.2	425.9	421.5	425.9
65°	623.6	538.7	453.8	428.3	422.5	402.9	369.5	344.5	344.5	344.5	344.5
67.5°	536.8	462.8	388.8	360.1	346.6	327.2	301.8	278.4	261.0	243.6	261.0
70°	476.7	411.4	346.1	316.2	298.0	274.8	246.5	222.4	210.8	199.2	210.8
72.5°	412.7	356.7	300.7	270.0	247.8	225.2	202.1	181.5	168.1	154.8	168.1
75°	321.6	276.6	231.6	201.9	177.2	154.4	133.3	117.2	115.7	114.3	115.7
77.5°	232.5	199.7	166.9	142.8	121.6	105.7	95.1	87.2	87.4	87.5	87.4
80°	176.3	151.6	127.0	104.5	82.7	71.5	70.7	70.4	71.1	71.8	71.1
82.5°	124.1	105.8	87.5	73.1	60.1	54.1	55.1	55.9	56.0	56.2	56.0
85°	55.5	46.8	38.1	34.8	33.4	31.2	28.3	25.9	25.2	24.5	25.2
87.5°	12.2	12.2	12.4	11.5	10.2	9.5	9.5	9.7	9.8	9.8	9.8
90°	2.2	5.2	8.9	11.9	14.1	14.9	14.9	15.6	16.4	16.4	16.4
92.5°	8.2	12.9	13.1	13.1	15.9	17.3	18.5	18.6	19.3	19.3	19.3
95°	23.1	25.3	37.9	37.2	25.3	20.1	17.1	17.1	17.1	17.1	17.1
97.5°	44.1	47.3	49.4	66.2	69.9	67.6	55.1	46.3	41.4	39.1	41.4
100°	62.5	64.0	68.5	69.2	87.8	105.7	96.7	85.6	81.9	79.6	81.9
102.5°	81.0	81.9	88.7	91.8	96.1	106.3	137.2	133.8	131.3	130.8	131.3
105°	108.6	109.4	122.0	128.0	131.0	131.0	130.2	145.1	168.9	174.1	168.9
107.5°	138.3	141.7	156.6	172.5	175.9	176.8	172.9	170.7	169.8	170.4	169.8
110°	158.5	163.7	181.6	201.7	206.9	208.3	206.9	204.6	203.1	203.1	203.1



TEST NUMBER: P1427874

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	178.1	185.7	206.0	229.0	237.8	242.3	239.0	237.4	235.9	237.1	235.9
115°	208.3	219.5	246.3	270.1	288.0	290.2	289.5	289.5	288.7	288.7	288.7
117.5°	236.3	254.2	284.2	311.9	332.6	338.6	341.5	340.6	339.8	341.2	339.8
120°	256.0	276.8	311.0	342.3	362.4	371.3	374.3	372.8	374.3	372.8	374.3
122.5°	276.8	302.4	336.0	368.5	392.1	402.3	405.8	406.1	406.4	405.5	406.4
125°	308.1	339.3	378.7	412.2	436.8	448.7	451.7	452.4	453.9	457.6	453.9
127.5°	339.6	375.0	418.3	450.6	475.8	490.2	494.8	496.5	499.6	501.2	499.6
130°	361.6	401.8	445.7	476.2	500.8	516.4	524.6	526.8	530.5	529.8	530.5
132.5°	384.8	426.8	471.3	503.0	525.8	542.6	549.6	556.0	557.3	558.4	557.3
135°	418.9	464.3	509.0	540.2	561.8	578.2	587.1	593.0	596.8	599.0	596.8
137.5°	454.8	502.7	545.6	573.4	595.1	609.3	619.4	625.6	629.5	631.3	629.5
140°	479.2	525.3	567.0	596.0	615.4	629.5	638.4	645.9	650.3	650.3	650.3
142.5°	502.4	548.0	588.4	617.5	634.4	647.4	656.9	662.5	667.6	667.6	667.6
145°	535.0	580.4	617.6	646.6	660.8	672.7	683.1	687.5	690.5	690.5	690.5
147.5°	569.1	609.3	643.2	671.0	682.9	696.9	705.1	708.7	712.4	710.8	712.4
150°	589.3	626.5	659.3	685.3	697.2	710.6	718.8	721.8	725.5	723.3	725.5
152.5°	609.0	644.4	674.2	698.4	708.5	721.9	731.3	734.3	736.8	735.2	736.8
155°	635.5	666.7	694.2	716.6	725.5	738.1	747.1	750.8	753.8	750.0	753.8
157.5°	659.1	686.1	710.0	730.6	740.1	750.9	759.3	763.9	766.9	765.2	766.9
160°	673.4	698.0	719.5	738.9	747.8	757.5	766.4	771.6	774.6	772.4	774.6
162.5°	685.3	707.5	727.9	745.4	753.2	761.7	772.4	777.0	780.0	777.1	780.0
165°	702.4	720.3	738.1	753.0	759.7	766.4	777.6	782.8	785.0	782.0	785.0
167.5°	715.4	729.1	743.5	756.3	761.2	767.8	778.9	783.2	786.1	782.3	786.1
170°	722.5	734.4	747.1	757.5	761.2	767.2	778.3	782.0	784.3	780.6	784.3
172.5°	728.5	737.4	747.7	756.9	758.8	763.6	774.2	777.9	779.5	776.4	779.5
175°	734.4	739.6	747.1	753.0	752.3	755.3	764.2	767.2	770.1	765.7	770.1
177.5°	737.3	739.6	742.0	745.6	743.2	743.2	749.8	751.5	752.1	749.8	752.1
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



TEST NUMBER: P1427874

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8
2.5°	1673.7	1679.2	1686.2	1698.6	1716.6	1728.1	1720.0	1711.9	1720.0	1728.1	1716.6
5°	1565.2	1582.5	1604.9	1638.7	1683.7	1717.6	1718.3	1719.0	1718.3	1717.6	1683.7
7.5°	1461.1	1480.0	1504.9	1543.9	1597.1	1642.7	1665.2	1687.7	1665.2	1642.7	1597.1
10°	1404.0	1420.8	1443.3	1483.2	1540.5	1592.1	1626.2	1660.3	1626.2	1592.1	1540.5
12.5°	1367.0	1378.6	1395.3	1432.3	1489.6	1546.1	1599.9	1653.7	1599.9	1546.1	1489.6
15°	1334.1	1335.4	1339.8	1366.6	1415.9	1473.3	1554.5	1635.8	1554.5	1473.3	1415.9
17.5°	1317.1	1307.9	1298.6	1312.9	1351.0	1401.4	1488.9	1576.4	1488.9	1401.4	1351.0
20°	1306.6	1291.3	1273.9	1281.9	1315.3	1361.9	1448.2	1534.6	1448.2	1361.9	1315.3
22.5°	1288.6	1273.0	1253.9	1257.2	1283.0	1324.3	1411.8	1499.3	1411.8	1324.3	1283.0
25°	1251.6	1239.6	1222.9	1218.2	1225.5	1255.6	1354.3	1452.9	1354.3	1255.6	1225.5
27.5°	1208.1	1200.1	1190.0	1180.6	1172.0	1191.4	1294.4	1397.4	1294.4	1191.4	1172.0
30°	1182.7	1172.7	1162.5	1150.6	1136.8	1152.2	1255.2	1358.3	1255.2	1152.2	1136.8
32.5°	1187.0	1163.5	1139.5	1117.0	1096.3	1107.4	1213.9	1320.4	1213.9	1107.4	1096.3
35°	1189.9	1142.2	1102.3	1069.7	1044.3	1053.0	1164.0	1275.0	1164.0	1053.0	1044.3
37.5°	1120.0	1088.6	1054.2	1019.8	985.4	989.3	1108.3	1227.3	1108.3	989.3	985.4
40°	1092.2	1072.0	1027.8	985.0	943.6	943.8	1068.6	1193.4	1068.6	943.8	943.6
42.5°	1066.2	1045.0	987.4	940.3	903.5	907.2	1032.0	1156.8	1032.0	907.2	903.5
45°	911.5	915.8	900.6	874.5	837.5	842.2	972.1	1101.9	972.1	842.2	837.5
47.5°	765.7	797.4	831.5	828.6	788.7	789.7	913.5	1037.3	913.5	789.7	788.7
50°	701.3	746.1	800.5	804.8	759.1	754.0	870.9	987.7	870.9	754.0	759.1
52.5°	647.7	704.7	777.1	785.8	730.8	717.3	828.3	939.3	828.3	717.3	730.8
55°	577.4	652.5	751.9	763.5	687.3	656.8	763.5	870.1	763.5	656.8	687.3
57.5°	515.8	579.5	665.7	677.9	616.1	595.0	695.8	796.7	695.8	595.0	616.1
60°	477.2	522.9	582.4	594.1	557.8	555.1	653.0	751.0	653.0	555.1	557.8
62.5°	430.2	461.6	501.9	515.5	502.5	516.0	609.3	702.6	609.3	516.0	502.5
65°	344.5	369.5	402.9	422.5	428.3	453.8	538.7	623.6	538.7	453.8	428.3
67.5°	278.4	301.8	327.2	346.6	360.1	388.8	462.8	536.8	462.8	388.8	360.1
70°	222.4	246.5	274.8	298.0	316.2	346.1	411.4	476.7	411.4	346.1	316.2
72.5°	181.5	202.1	225.2	247.8	270.0	300.7	356.7	412.7	356.7	300.7	270.0
75°	117.2	133.3	154.4	177.2	201.9	231.6	276.6	321.6	276.6	231.6	201.9
77.5°	87.2	95.1	105.7	121.6	142.8	166.9	199.7	232.5	199.7	166.9	142.8
80°	70.4	70.7	71.5	82.7	104.5	127.0	151.6	176.3	151.6	127.0	104.5
82.5°	55.9	55.1	54.1	60.1	73.1	87.5	105.8	124.1	105.8	87.5	73.1
85°	25.9	28.3	31.2	33.4	34.8	38.1	46.8	55.5	46.8	38.1	34.8
87.5°	9.7	9.5	9.5	10.2	11.5	12.4	12.2	12.2	12.2	12.2	11.8
90°	15.6	14.9	14.9	14.1	11.9	8.9	5.2	2.2	5.2	8.2	13.4
92.5°	18.6	18.5	17.3	15.9	13.1	13.1	12.9	8.2	14.1	20.1	28.9
95°	17.1	17.1	20.1	25.3	37.2	37.9	25.3	23.1	32.7	46.1	58.0
97.5°	46.3	55.1	67.6	69.9	66.2	49.4	47.3	44.1	60.0	73.2	92.4
100°	85.6	96.7	105.7	87.8	69.2	68.5	64.0	62.5	79.6	92.3	110.9
102.5°	133.8	137.2	106.3	96.1	91.8	88.7	81.9	81.0	98.1	115.5	131.1
105°	145.1	130.2	131.0	131.0	128.0	122.0	109.4	108.6	128.0	148.1	167.4
107.5°	170.7	172.9	176.8	175.9	172.5	156.6	141.7	138.3	155.7	179.8	201.1
110°	204.6	206.9	208.3	206.9	201.7	181.6	163.7	158.5	174.1	199.4	222.5



TEST NUMBER: P1427874

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	237.4	239.0	242.3	237.8	229.0	206.0	185.7	178.1	193.8	219.7	243.3
115°	289.5	289.5	290.2	288.0	270.1	246.3	219.5	208.3	221.7	245.6	271.6
117.5°	340.6	341.5	338.6	332.6	311.9	284.2	254.2	236.3	246.9	272.0	298.8
120°	372.8	374.3	371.3	362.4	342.3	311.0	276.8	256.0	264.2	288.7	315.5
122.5°	406.1	405.8	402.3	392.1	368.5	336.0	302.4	276.8	280.2	303.0	329.2
125°	452.4	451.7	448.7	436.8	412.2	378.7	339.3	308.1	303.6	322.9	349.7
127.5°	496.5	494.8	490.2	475.8	450.6	418.3	375.0	339.6	329.6	341.8	366.4
130°	526.8	524.6	516.4	500.8	476.2	445.7	401.8	361.6	347.5	354.9	376.5
132.5°	556.0	549.6	542.6	525.8	503.0	471.3	426.8	384.8	365.4	368.6	385.4
135°	593.0	587.1	578.2	561.8	540.2	509.0	464.3	418.9	392.1	389.2	398.8
137.5°	625.6	619.4	609.3	595.1	573.4	545.6	502.7	454.8	421.0	411.0	414.8
140°	645.9	638.4	629.5	615.4	596.0	567.0	525.3	479.2	441.2	427.1	424.9
142.5°	662.5	656.9	647.4	634.4	617.5	588.4	548.0	502.4	462.1	443.8	438.6
145°	687.5	683.1	672.7	660.8	646.6	617.6	580.4	535.0	494.8	471.0	459.9
147.5°	708.7	705.1	696.9	682.9	671.0	643.2	609.3	569.1	527.9	498.4	484.0
150°	721.8	718.8	710.6	697.2	685.3	659.3	626.5	589.3	549.9	518.6	500.0
152.5°	734.3	731.3	721.9	708.5	698.4	674.2	644.4	609.0	568.9	537.7	518.5
155°	750.8	747.1	738.1	725.5	716.6	694.2	666.7	635.5	601.2	568.5	546.9
157.5°	763.9	759.3	750.9	740.1	730.6	710.0	686.1	659.1	629.2	598.0	575.9
160°	771.6	766.4	757.5	747.8	738.9	719.5	698.0	673.4	645.9	617.6	593.8
162.5°	777.0	772.4	761.7	753.2	745.4	727.9	707.5	685.3	660.8	636.1	614.0
165°	782.8	777.6	766.4	759.7	753.0	738.1	720.3	702.4	681.6	661.5	643.6
167.5°	783.2	778.9	767.8	761.2	756.3	743.5	729.1	715.4	699.2	683.4	668.5
170°	782.0	778.3	767.2	761.2	757.5	747.1	734.4	722.5	709.9	696.5	684.6
172.5°	777.9	774.2	763.6	758.8	756.9	747.7	737.4	728.5	717.6	707.8	698.3
175°	767.2	764.2	755.3	752.3	753.0	747.1	739.6	734.4	727.7	721.8	716.6
177.5°	751.5	749.8	743.2	743.2	745.6	742.0	739.6	737.3	734.3	732.5	730.7
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



TEST NUMBER: P1427874

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8
2.5°	1698.6	1686.2	1679.2	1673.7	1672.5	1671.4	1672.5	1673.7	1679.2	1686.2	1698.6
5°	1638.7	1604.9	1582.5	1565.2	1563.8	1562.3	1563.8	1565.2	1582.5	1604.9	1638.7
7.5°	1543.9	1504.9	1480.0	1461.1	1460.0	1458.8	1460.0	1461.1	1480.0	1504.9	1543.9
10°	1483.2	1443.3	1420.8	1404.0	1404.0	1404.0	1404.0	1404.0	1420.8	1443.3	1483.2
12.5°	1432.3	1395.3	1378.6	1367.0	1370.4	1373.9	1370.4	1367.0	1378.6	1395.3	1432.3
15°	1366.6	1339.8	1335.4	1334.1	1342.1	1350.1	1342.1	1334.1	1335.4	1339.8	1366.6
17.5°	1312.9	1298.6	1307.9	1317.1	1326.4	1335.7	1326.4	1317.1	1307.9	1298.6	1312.9
20°	1281.9	1273.9	1291.3	1306.6	1315.3	1324.0	1315.3	1306.6	1291.3	1273.9	1281.9
22.5°	1257.2	1253.9	1273.0	1288.6	1293.2	1297.8	1293.2	1288.6	1273.0	1253.9	1257.2
25°	1218.2	1222.9	1239.6	1251.6	1249.4	1247.2	1249.4	1251.6	1239.6	1222.9	1218.2
27.5°	1180.6	1190.0	1200.1	1208.1	1209.4	1210.7	1209.4	1208.1	1200.1	1190.0	1180.6
30°	1150.6	1162.5	1172.7	1182.7	1192.1	1201.5	1192.1	1182.7	1172.7	1162.5	1150.6
32.5°	1117.0	1139.5	1163.5	1187.0	1208.6	1230.3	1208.6	1187.0	1163.5	1139.5	1117.0
35°	1069.7	1102.3	1142.2	1189.9	1261.0	1332.1	1261.0	1189.9	1142.2	1102.3	1069.7
37.5°	1019.8	1054.2	1088.6	1120.0	1142.7	1165.3	1142.7	1120.0	1088.6	1054.2	1019.8
40°	985.0	1027.8	1072.0	1092.2	1039.9	987.7	1039.9	1092.2	1072.0	1027.8	985.0
42.5°	940.3	987.4	1045.0	1066.2	977.9	889.7	977.9	1066.2	1045.0	987.4	940.3
45°	874.5	900.6	915.8	911.5	848.4	785.2	848.4	911.5	915.8	900.6	874.5
47.5°	828.6	831.5	797.4	765.7	741.0	716.3	741.0	765.7	797.4	831.5	828.6
50°	804.8	800.5	746.1	701.3	685.3	669.3	685.3	701.3	746.1	800.5	804.8
52.5°	785.8	777.1	704.7	647.7	637.0	626.2	637.0	647.7	704.7	777.1	785.8
55°	763.5	751.9	652.5	577.4	575.2	573.0	575.2	577.4	652.5	751.9	763.5
57.5°	677.9	665.7	579.5	515.8	519.6	523.4	519.6	515.8	579.5	665.7	677.9
60°	594.1	582.4	522.9	477.2	472.9	468.5	472.9	477.2	522.9	582.4	594.1
62.5°	515.5	501.9	461.6	430.2	425.9	421.5	425.9	430.2	461.6	501.9	515.5
65°	422.5	402.9	369.5	344.5	344.5	344.5	344.5	344.5	369.5	402.9	422.5
67.5°	346.6	327.2	301.8	278.4	261.0	243.6	261.0	278.4	301.8	327.2	346.6
70°	298.0	274.8	246.5	222.4	210.8	199.2	210.8	222.4	246.5	274.8	298.0
72.5°	247.8	225.2	202.1	181.5	168.1	154.8	168.1	181.5	202.1	225.2	247.8
75°	177.2	154.4	133.3	117.2	115.7	114.3	115.7	117.2	133.3	154.4	177.2
77.5°	121.6	105.7	95.1	87.2	87.4	87.5	87.4	87.2	95.1	105.7	121.6
80°	82.7	71.5	70.7	70.4	71.1	71.8	71.1	70.4	70.7	71.5	82.7
82.5°	60.1	54.1	55.1	55.9	56.0	56.2	56.0	55.9	55.1	54.1	60.1
85°	33.4	31.2	28.3	25.9	25.2	24.5	25.2	25.9	28.3	31.2	33.4
87.5°	10.8	11.0	12.0	12.6	13.2	12.9	13.2	12.6	12.0	11.0	10.8
90°	17.1	22.3	27.5	30.5	33.5	32.0	33.5	30.5	27.5	22.3	17.1
92.5°	34.4	43.2	49.6	54.9	57.3	57.0	57.3	54.9	49.6	43.2	34.4
95°	69.2	79.6	90.0	97.5	101.9	100.5	101.9	97.5	90.0	79.6	69.2
97.5°	106.7	120.7	132.3	139.3	143.8	146.7	143.8	139.3	132.3	120.7	106.7
100°	131.7	145.1	158.5	166.7	174.1	177.1	174.1	166.7	158.5	145.1	131.7
102.5°	151.9	169.5	184.1	192.9	199.1	202.1	199.1	192.9	184.1	169.5	151.9
105°	185.3	203.9	219.5	230.7	237.4	239.6	237.4	230.7	219.5	203.9	185.3
107.5°	218.6	237.8	252.2	264.6	272.8	277.5	272.8	264.6	252.2	237.8	218.6
110°	244.8	260.4	276.1	287.2	295.4	298.4	295.4	287.2	276.1	260.4	244.8



TEST NUMBER: P1427874

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	266.8	284.2	299.9	311.0	320.4	324.6	320.4	311.0	299.9	284.2	266.8
115°	297.6	320.7	334.8	345.3	352.0	355.7	352.0	345.3	334.8	320.7	297.6
117.5°	323.2	347.3	362.8	370.9	374.0	376.7	374.0	370.9	362.8	347.3	323.2
120°	339.3	361.6	379.5	389.9	393.6	395.1	393.6	389.9	379.5	361.6	339.3
122.5°	354.2	375.3	392.6	405.4	411.5	413.0	411.5	405.4	392.6	375.3	354.2
125°	375.0	395.1	413.0	425.6	432.3	436.0	432.3	425.6	413.0	395.1	375.0
127.5°	393.2	414.9	431.3	442.7	449.3	452.3	449.3	442.7	431.3	414.9	393.2
130°	403.3	425.6	442.0	454.6	460.6	463.6	460.6	454.6	442.0	425.6	403.3
132.5°	411.0	434.6	451.5	463.0	469.5	472.5	469.5	463.0	451.5	434.6	411.0
135°	420.4	445.0	462.8	474.0	479.9	482.9	479.9	474.0	462.8	445.0	420.4
137.5°	428.6	450.9	469.5	481.3	486.6	488.6	486.6	481.3	469.5	450.9	428.6
140°	434.6	453.9	472.5	483.7	489.6	490.4	489.6	483.7	472.5	453.9	434.6
142.5°	442.3	457.5	473.7	484.9	490.8	492.1	490.8	484.9	473.7	457.5	442.3
145°	456.1	465.1	476.2	486.6	491.8	493.3	491.8	486.6	476.2	465.1	456.1
147.5°	473.5	476.4	482.2	489.0	494.1	495.1	494.1	489.0	482.2	476.4	473.5
150°	486.6	485.9	488.1	492.6	497.1	496.3	497.1	492.6	488.1	485.9	486.6
152.5°	501.5	497.2	497.1	499.1	501.2	501.1	501.2	499.1	497.1	497.2	501.5
155°	526.8	518.6	514.2	512.7	512.7	511.9	512.7	512.7	514.2	518.6	526.8
157.5°	554.6	543.2	536.5	532.9	531.9	530.2	531.9	532.9	536.5	543.2	554.6
160°	573.7	561.0	554.4	548.4	546.2	543.9	546.2	548.4	554.4	561.0	573.7
162.5°	591.6	579.5	572.2	566.9	564.6	561.2	564.6	566.9	572.2	579.5	591.6
165°	620.6	607.9	599.7	595.3	592.3	589.3	592.3	595.3	599.7	607.9	620.6
167.5°	649.6	635.8	630.4	625.3	622.5	617.2	622.5	625.3	630.4	635.8	649.6
170°	667.5	654.8	651.8	647.4	642.2	636.2	642.2	647.4	651.8	654.8	667.5
172.5°	682.9	674.4	671.5	667.0	665.4	660.6	665.4	667.0	671.5	674.4	682.9
175°	705.4	698.7	698.7	698.0	695.7	691.3	695.7	698.0	698.7	698.7	705.4
177.5°	724.2	720.6	723.0	723.0	722.4	718.2	722.4	723.0	723.0	720.6	724.2
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



TEST NUMBER: P1427874

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1715.8	1715.8	1715.8	1715.8
2.5°	1716.6	1728.1	1720.0	1711.9
5°	1683.7	1717.6	1718.3	1719.0
7.5°	1597.1	1642.7	1665.2	1687.7
10°	1540.5	1592.1	1626.2	1660.3
12.5°	1489.6	1546.1	1599.9	1653.7
15°	1415.9	1473.3	1554.5	1635.8
17.5°	1351.0	1401.4	1488.9	1576.4
20°	1315.3	1361.9	1448.2	1534.6
22.5°	1283.0	1324.3	1411.8	1499.3
25°	1225.5	1255.6	1354.3	1452.9
27.5°	1172.0	1191.4	1294.4	1397.4
30°	1136.8	1152.2	1255.2	1358.3
32.5°	1096.3	1107.4	1213.9	1320.4
35°	1044.3	1053.0	1164.0	1275.0
37.5°	985.4	989.3	1108.3	1227.3
40°	943.6	943.8	1068.6	1193.4
42.5°	903.5	907.2	1032.0	1156.8
45°	837.5	842.2	972.1	1101.9
47.5°	788.7	789.7	913.5	1037.3
50°	759.1	754.0	870.9	987.7
52.5°	730.8	717.3	828.3	939.3
55°	687.3	656.8	763.5	870.1
57.5°	616.1	595.0	695.8	796.7
60°	557.8	555.1	653.0	751.0
62.5°	502.5	516.0	609.3	702.6
65°	428.3	453.8	538.7	623.6
67.5°	360.1	388.8	462.8	536.8
70°	316.2	346.1	411.4	476.7
72.5°	270.0	300.7	356.7	412.7
75°	201.9	231.6	276.6	321.6
77.5°	142.8	166.9	199.7	232.5
80°	104.5	127.0	151.6	176.3
82.5°	73.1	87.5	105.8	124.1
85°	34.8	38.1	46.8	55.5
87.5°	11.8	12.2	12.2	12.2
90°	13.4	8.2	5.2	2.2
92.5°	28.9	20.1	14.1	8.2
95°	58.0	46.1	32.7	23.1
97.5°	92.4	73.2	60.0	44.1
100°	110.9	92.3	79.6	62.5
102.5°	131.1	115.5	98.1	81.0
105°	167.4	148.1	128.0	108.6
107.5°	201.1	179.8	155.7	138.3
110°	222.5	199.4	174.1	158.5



TEST NUMBER: P1427874

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	243.3	219.7	193.8	178.1
115°	271.6	245.6	221.7	208.3
117.5°	298.8	272.0	246.9	236.3
120°	315.5	288.7	264.2	256.0
122.5°	329.2	303.0	280.2	276.8
125°	349.7	322.9	303.6	308.1
127.5°	366.4	341.8	329.6	339.6
130°	376.5	354.9	347.5	361.6
132.5°	385.4	368.6	365.4	384.8
135°	398.8	389.2	392.1	418.9
137.5°	414.8	411.0	421.0	454.8
140°	424.9	427.1	441.2	479.2
142.5°	438.6	443.8	462.1	502.4
145°	459.9	471.0	494.8	535.0
147.5°	484.0	498.4	527.9	569.1
150°	500.0	518.6	549.9	589.3
152.5°	518.5	537.7	568.9	609.0
155°	546.9	568.5	601.2	635.5
157.5°	575.9	598.0	629.2	659.1
160°	593.8	617.6	645.9	673.4
162.5°	614.0	636.1	660.8	685.3
165°	643.6	661.5	681.6	702.4
167.5°	668.5	683.4	699.2	715.4
170°	684.6	696.5	709.9	722.5
172.5°	698.3	707.8	717.6	728.5
175°	716.6	721.8	727.7	734.4
177.5°	730.7	732.5	734.3	737.3
180°	736.7	736.7	736.7	736.7



TEST NUMBER: P1427874
 CATALOG NUMBER: SQ2W-PH1-K-050U-075D-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	19.61	20.60	20.44	21.45	22.51	18.43	19.43	19.27	20.28	21.34
	3H	21.79	22.68	22.64	23.54	24.63	19.50	20.38	20.34	21.24	22.33
	4H	22.61	23.45	23.47	24.32	25.42	19.75	20.58	20.61	21.45	22.55
	6H	23.09	23.86	23.96	24.73	25.84	19.89	20.67	20.77	21.54	22.65
	8H	23.24	23.98	24.12	24.87	25.98	19.96	20.69	20.84	21.59	22.70
	12H	23.30	24.00	24.19	24.89	26.03	19.97	20.67	20.86	21.56	22.70
4H	2H	20.06	20.90	20.92	21.77	22.86	19.14	19.97	20.00	20.84	21.94
	3H	22.32	23.02	23.20	23.92	25.03	20.38	21.07	21.25	21.98	23.09
	4H	23.20	23.84	24.09	24.73	25.87	20.67	21.31	21.56	22.21	23.35
	6H	23.77	24.32	24.67	25.24	26.38	20.88	21.43	21.78	22.35	23.49
	8H	23.97	24.48	24.88	25.40	26.55	20.97	21.48	21.88	22.40	23.55
	12H	24.06	24.52	24.99	25.46	26.62	21.00	21.46	21.93	22.40	23.56
8H	4H	23.23	23.74	24.14	24.66	25.82	20.91	21.42	21.82	22.34	23.50
	6H	23.87	24.29	24.80	25.25	26.40	21.19	21.61	22.12	22.57	23.72
	8H	24.13	24.51	25.08	25.46	26.63	21.34	21.71	22.28	22.66	23.83
	12H	24.27	24.60	25.22	25.54	26.76	21.41	21.73	22.35	22.67	23.90
12H	4H	23.19	23.65	24.12	24.59	25.75	20.92	21.38	21.84	22.31	23.47
	6H	23.85	24.22	24.79	25.17	26.34	21.22	21.60	22.17	22.55	23.72
	8H	24.12	24.45	25.07	25.39	26.62	21.39	21.72	22.34	22.66	23.88