

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: P1428380

Luminaire Tested: SQ2W-PW1-K-050U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428380
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-050U-075D-L930-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 500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

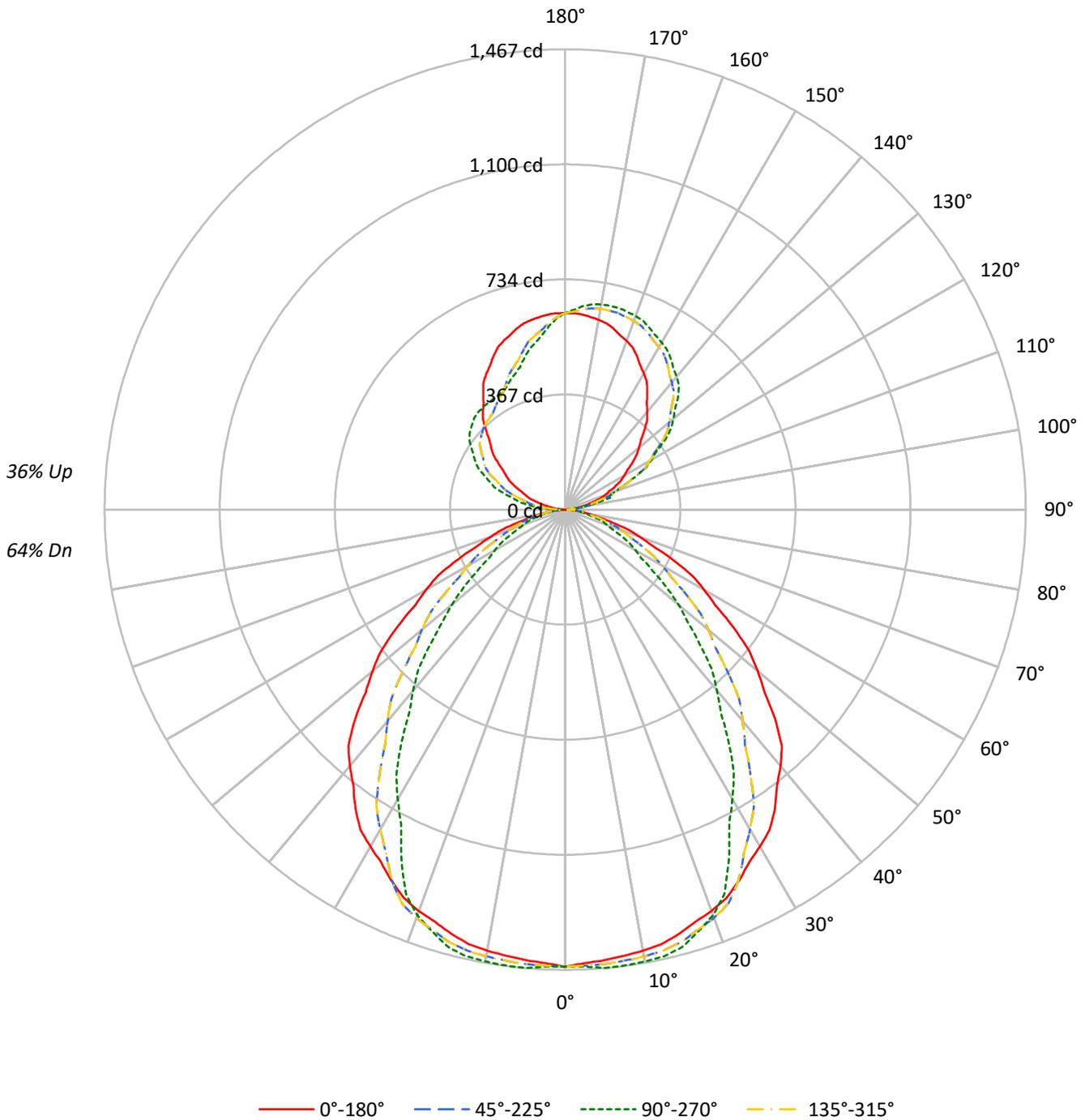
Lumens per Lamp: N/A
Luminaire Lumens: 5063.3 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 41.6
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



36% Up

64% Dn



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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	102	98	94	90	95	92	89	86	81	79	76	71	69	68	62	61	60	55				
2	93	86	80	75	87	81	76	71	72	68	64	63	60	58	56	53	51	47				
3	85	76	69	63	80	72	66	61	64	59	55	57	53	50	50	47	45	41				
4	79	68	60	54	74	64	57	52	57	52	48	51	47	43	45	42	39	36				
5	72	61	53	47	68	58	51	45	52	46	42	46	42	38	41	37	34	32				
6	67	55	47	41	63	52	45	40	47	41	37	42	37	34	37	34	31	28				
7	62	50	42	37	58	48	40	35	43	37	33	38	34	30	34	30	27	25				
8	58	46	38	33	54	43	36	32	39	33	29	35	31	27	32	28	25	23				
9	54	42	34	29	51	40	33	28	36	30	26	33	28	24	29	25	23	21				
10	51	39	31	27	48	37	30	26	33	28	24	30	26	22	27	23	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23521	23521	23521	23521
5°	23364	23770	23364	23770
10°	23407	23975	23407	23975
15°	23401	24120	23401	24120
20°	23410	23649	23410	23649
25°	23284	21974	23284	21974
30°	23125	19866	23125	19866
35°	22945	17940	22945	17940
40°	22489	15850	22489	15850
45°	21607	13844	21607	13844
50°	20109	11848	20109	11848
55°	18395	9607	18395	9607
60°	16488	8289	16488	8289
65°	14418	7369	14418	7369
70°	11787	6680	11787	6680
75°	9176	6145	9176	6145
80°	6834	5421	6834	5421
85°	4631	3075	4631	3075

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21607 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	2.7
10°-20°	402.0	7.9
20°-30°	591.5	11.7
30°-40°	646.7	12.8
40°-50°	580.2	11.5
50°-60°	432.8	8.5
60°-70°	273.5	5.4
70°-80°	135.5	2.7
80°-90°	34.3	0.7
90°-100°	49.8	1.0
100°-110°	145.3	2.9
110°-120°	237.1	4.7
120°-130°	300.9	5.9
130°-140°	322.0	6.4
140°-150°	300.7	5.9
150°-160°	247.4	4.9
160°-170°	165.9	3.3
170°-180°	58.9	1.2
0°-30°	1132.2	22.4
0°-40°	1778.9	35.1
0°-60°	2791.9	55.1
0°-90°	3235.3	63.9
90°-120°	432.3	8.5
90°-150°	1355.8	26.8
90°-180°	1828.0	36.1
0°-180°	5063.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1457	1457	1457	1457	1457	
5°	1442	1467	1442	1467	1442	137
15°	1400	1443	1400	1443	1400	395
25°	1307	1234	1307	1234	1307	602
35°	1164	910	1164	910	1164	726
45°	946	606	946	606	946	726
55°	654	341	654	341	654	584
65°	377	193	377	193	377	374
75°	147	98	147	98	147	162
85°	25	17	25	17	25	32
90°	2	14	2	27	2	2
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8
2.5°	1446.9	1455.2	1463.6	1461.7	1456.2	1453.8	1454.3	1455.0	1456.5	1458.0	1456.5
5°	1441.6	1452.1	1462.6	1461.0	1455.5	1453.0	1453.6	1455.5	1461.0	1466.6	1461.0
7.5°	1434.4	1445.0	1455.6	1455.1	1450.9	1449.8	1451.9	1454.9	1460.3	1465.7	1460.3
10°	1427.7	1438.8	1449.9	1449.9	1446.2	1445.9	1449.0	1452.5	1457.5	1462.4	1457.5
12.5°	1418.8	1430.4	1442.0	1442.9	1440.2	1440.6	1444.2	1448.1	1453.0	1458.0	1453.0
15°	1400.0	1412.3	1424.6	1427.2	1426.6	1428.5	1432.8	1436.8	1439.9	1443.0	1439.9
17.5°	1378.0	1390.4	1402.7	1405.1	1404.3	1404.4	1405.5	1406.7	1408.2	1409.7	1408.2
20°	1362.5	1374.8	1387.2	1388.9	1387.0	1383.9	1379.6	1376.4	1376.4	1376.4	1376.4
22.5°	1340.3	1353.6	1366.9	1367.0	1362.7	1354.7	1343.0	1333.2	1329.3	1325.3	1329.3
25°	1307.0	1320.0	1332.9	1326.9	1314.6	1296.4	1272.3	1252.0	1242.7	1233.5	1242.7
27.5°	1268.2	1278.6	1289.1	1273.4	1249.0	1219.7	1185.6	1156.7	1143.9	1131.1	1143.9
30°	1240.4	1248.4	1256.4	1231.6	1195.8	1159.2	1121.5	1090.2	1077.9	1065.6	1077.9
32.5°	1211.5	1214.6	1217.7	1185.0	1140.3	1098.5	1059.4	1026.7	1013.4	1000.1	1013.4
35°	1164.1	1158.5	1153.0	1109.5	1053.4	1005.6	966.1	933.6	921.9	910.2	921.9
37.5°	1108.0	1091.5	1075.0	1026.0	966.2	915.6	874.3	840.1	827.1	814.2	827.1
40°	1067.0	1043.5	1020.1	967.5	905.2	853.5	812.1	777.9	765.0	752.0	765.0
42.5°	1021.5	992.1	962.8	908.7	846.4	794.6	753.3	719.0	705.5	692.1	705.5
45°	946.3	911.7	877.2	820.9	757.4	705.6	665.5	632.2	619.3	606.3	619.3
47.5°	861.6	827.3	793.0	736.9	673.5	622.4	583.6	551.7	540.6	529.5	540.6
50°	800.6	767.3	734.0	680.3	619.9	570.3	531.4	498.9	485.3	471.7	485.3
52.5°	738.4	708.6	678.7	627.0	568.1	518.7	478.9	444.4	425.9	407.4	425.9
55°	653.5	625.1	596.8	548.1	492.6	442.6	398.2	362.3	351.8	341.3	351.8
57.5°	566.1	541.5	517.0	473.2	423.0	377.8	337.4	305.0	296.4	287.8	296.4
60°	510.6	489.0	467.4	425.5	376.8	335.5	301.5	273.9	265.3	256.7	265.3
62.5°	457.3	438.2	419.1	378.9	331.6	294.5	267.5	245.5	238.3	231.2	238.3
65°	377.4	363.2	349.0	315.9	276.4	245.6	223.4	205.2	199.0	192.9	199.0
67.5°	299.7	291.8	283.9	259.1	228.6	203.7	184.2	168.5	164.5	160.4	164.5
70°	249.7	247.3	244.8	224.3	197.8	176.5	160.5	147.7	144.6	141.5	144.6
72.5°	206.5	207.4	208.4	191.4	168.3	150.5	137.9	128.0	125.9	123.8	125.9
75°	147.1	152.0	156.9	145.7	129.0	116.4	107.8	101.0	99.7	98.5	99.7
77.5°	100.2	107.6	115.0	107.7	95.5	86.1	79.7	74.7	73.7	72.7	73.7
80°	73.5	80.9	88.3	83.2	74.0	66.9	62.0	58.3	58.3	58.3	58.3
82.5°	51.3	57.3	63.2	59.6	52.8	48.2	45.7	43.8	43.8	43.8	43.8
85°	25.0	28.1	31.1	30.1	27.6	24.5	20.8	17.9	17.3	16.6	17.3
87.5°	7.0	9.0	11.1	10.2	8.1	6.7	6.2	6.0	6.1	6.1	6.1
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8
2.5°	1455.0	1454.3	1453.8	1456.2	1461.7	1463.6	1455.2	1446.9	1455.2	1463.6	1461.7
5°	1455.5	1453.6	1453.0	1455.5	1461.0	1462.6	1452.1	1441.6	1452.1	1462.6	1461.0
7.5°	1454.9	1451.9	1449.8	1450.9	1455.1	1455.6	1445.0	1434.4	1445.0	1455.6	1455.1
10°	1452.5	1449.0	1445.9	1446.2	1449.9	1449.9	1438.8	1427.7	1438.8	1449.9	1449.9
12.5°	1448.1	1444.2	1440.6	1440.2	1442.9	1442.0	1430.4	1418.8	1430.4	1442.0	1442.9
15°	1436.8	1432.8	1428.5	1426.6	1427.2	1424.6	1412.3	1400.0	1412.3	1424.6	1427.2
17.5°	1406.7	1405.5	1404.4	1404.3	1405.1	1402.7	1390.4	1378.0	1390.4	1402.7	1405.1
20°	1376.4	1379.6	1383.9	1387.0	1388.9	1387.2	1374.8	1362.5	1374.8	1387.2	1388.9
22.5°	1333.2	1343.0	1354.7	1362.7	1367.0	1366.9	1353.6	1340.3	1353.6	1366.9	1367.0
25°	1252.0	1272.3	1296.4	1314.6	1326.9	1332.9	1320.0	1307.0	1320.0	1332.9	1326.9
27.5°	1156.7	1185.6	1219.7	1249.0	1273.4	1289.1	1278.6	1268.2	1278.6	1289.1	1273.4
30°	1090.2	1121.5	1159.2	1195.8	1231.6	1256.4	1248.4	1240.4	1248.4	1256.4	1231.6
32.5°	1026.7	1059.4	1098.5	1140.3	1185.0	1217.7	1214.6	1211.5	1214.6	1217.7	1185.0
35°	933.6	966.1	1005.6	1053.4	1109.5	1153.0	1158.5	1164.1	1158.5	1153.0	1109.5
37.5°	840.1	874.3	915.6	966.2	1026.0	1075.0	1091.5	1108.0	1091.5	1075.0	1026.0
40°	777.9	812.1	853.5	905.2	967.5	1020.1	1043.5	1067.0	1043.5	1020.1	967.5
42.5°	719.0	753.3	794.6	846.4	908.7	962.8	992.1	1021.5	992.1	962.8	908.7
45°	632.2	665.5	705.6	757.4	820.9	877.2	911.7	946.3	911.7	877.2	820.9
47.5°	551.7	583.6	622.4	673.5	736.9	793.0	827.3	861.6	827.3	793.0	736.9
50°	498.9	531.4	570.3	619.9	680.3	734.0	767.3	800.6	767.3	734.0	680.3
52.5°	444.4	478.9	518.7	568.1	627.0	678.7	708.6	738.4	708.6	678.7	627.0
55°	362.3	398.2	442.6	492.6	548.1	596.8	625.1	653.5	625.1	596.8	548.1
57.5°	305.0	337.4	377.8	423.0	473.2	517.0	541.5	566.1	541.5	517.0	473.2
60°	273.9	301.5	335.5	376.8	425.5	467.4	489.0	510.6	489.0	467.4	425.5
62.5°	245.5	267.5	294.5	331.6	378.9	419.1	438.2	457.3	438.2	419.1	378.9
65°	205.2	223.4	245.6	276.4	315.9	349.0	363.2	377.4	363.2	349.0	315.9
67.5°	168.5	184.2	203.7	228.6	259.1	283.9	291.8	299.7	291.8	283.9	259.1
70°	147.7	160.5	176.5	197.8	224.3	244.8	247.3	249.7	247.3	244.8	224.3
72.5°	128.0	137.9	150.5	168.3	191.4	208.4	207.4	206.5	207.4	208.4	191.4
75°	101.0	107.8	116.4	129.0	145.7	156.9	152.0	147.1	152.0	156.9	145.7
77.5°	74.7	79.7	86.1	95.5	107.7	115.0	107.6	100.2	107.6	115.0	107.7
80°	58.3	62.0	66.9	74.0	83.2	88.3	80.9	73.5	80.9	88.3	83.2
82.5°	43.8	45.7	48.2	52.8	59.6	63.2	57.3	51.3	57.3	63.2	59.6
85°	17.9	20.8	24.5	27.6	30.1	31.1	28.1	25.0	28.1	31.1	30.1
87.5°	6.0	6.2	6.7	8.1	10.2	11.1	9.0	7.0	9.0	11.0	10.4
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1428380

CATALOG NUMBER: SQ2W-PW1-K-050U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1

TEST NUMBER: P1428380

CATALOG NUMBER: SQ2W-PW1-K-050U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8
2.5°	1456.2	1453.8	1454.3	1455.0	1456.5	1458.0	1456.5	1455.0	1454.3	1453.8	1456.2
5°	1455.5	1453.0	1453.6	1455.5	1461.0	1466.6	1461.0	1455.5	1453.6	1453.0	1455.5
7.5°	1450.9	1449.8	1451.9	1454.9	1460.3	1465.7	1460.3	1454.9	1451.9	1449.8	1450.9
10°	1446.2	1445.9	1449.0	1452.5	1457.5	1462.4	1457.5	1452.5	1449.0	1445.9	1446.2
12.5°	1440.2	1440.6	1444.2	1448.1	1453.0	1458.0	1453.0	1448.1	1444.2	1440.6	1440.2
15°	1426.6	1428.5	1432.8	1436.8	1439.9	1443.0	1439.9	1436.8	1432.8	1428.5	1426.6
17.5°	1404.3	1404.4	1405.5	1406.7	1408.2	1409.7	1408.2	1406.7	1405.5	1404.4	1404.3
20°	1387.0	1383.9	1379.6	1376.4	1376.4	1376.4	1376.4	1376.4	1379.6	1383.9	1387.0
22.5°	1362.7	1354.7	1343.0	1333.2	1329.3	1325.3	1329.3	1333.2	1343.0	1354.7	1362.7
25°	1314.6	1296.4	1272.3	1252.0	1242.7	1233.5	1242.7	1252.0	1272.3	1296.4	1314.6
27.5°	1249.0	1219.7	1185.6	1156.7	1143.9	1131.1	1143.9	1156.7	1185.6	1219.7	1249.0
30°	1195.8	1159.2	1121.5	1090.2	1077.9	1065.6	1077.9	1090.2	1121.5	1159.2	1195.8
32.5°	1140.3	1098.5	1059.4	1026.7	1013.4	1000.1	1013.4	1026.7	1059.4	1098.5	1140.3
35°	1053.4	1005.6	966.1	933.6	921.9	910.2	921.9	933.6	966.1	1005.6	1053.4
37.5°	966.2	915.6	874.3	840.1	827.1	814.2	827.1	840.1	874.3	915.6	966.2
40°	905.2	853.5	812.1	777.9	765.0	752.0	765.0	777.9	812.1	853.5	905.2
42.5°	846.4	794.6	753.3	719.0	705.5	692.1	705.5	719.0	753.3	794.6	846.4
45°	757.4	705.6	665.5	632.2	619.3	606.3	619.3	632.2	665.5	705.6	757.4
47.5°	673.5	622.4	583.6	551.7	540.6	529.5	540.6	551.7	583.6	622.4	673.5
50°	619.9	570.3	531.4	498.9	485.3	471.7	485.3	498.9	531.4	570.3	619.9
52.5°	568.1	518.7	478.9	444.4	425.9	407.4	425.9	444.4	478.9	518.7	568.1
55°	492.6	442.6	398.2	362.3	351.8	341.3	351.8	362.3	398.2	442.6	492.6
57.5°	423.0	377.8	337.4	305.0	296.4	287.8	296.4	305.0	337.4	377.8	423.0
60°	376.8	335.5	301.5	273.9	265.3	256.7	265.3	273.9	301.5	335.5	376.8
62.5°	331.6	294.5	267.5	245.5	238.3	231.2	238.3	245.5	267.5	294.5	331.6
65°	276.4	245.6	223.4	205.2	199.0	192.9	199.0	205.2	223.4	245.6	276.4
67.5°	228.6	203.7	184.2	168.5	164.5	160.4	164.5	168.5	184.2	203.7	228.6
70°	197.8	176.5	160.5	147.7	144.6	141.5	144.6	147.7	160.5	176.5	197.8
72.5°	168.3	150.5	137.9	128.0	125.9	123.8	125.9	128.0	137.9	150.5	168.3
75°	129.0	116.4	107.8	101.0	99.7	98.5	99.7	101.0	107.8	116.4	129.0
77.5°	95.5	86.1	79.7	74.7	73.7	72.7	73.7	74.7	79.7	86.1	95.5
80°	74.0	66.9	62.0	58.3	58.3	58.3	58.3	58.3	62.0	66.9	74.0
82.5°	52.8	48.2	45.7	43.8	43.8	43.8	43.8	43.8	45.7	48.2	52.8
85°	27.6	24.5	20.8	17.9	17.3	16.6	17.3	17.9	20.8	24.5	27.6
87.5°	8.6	8.0	8.4	8.5	9.0	8.8	9.0	8.5	8.4	8.0	8.6
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1428380

CATALOG NUMBER: SQ2W-PW1-K-050U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1428380

CATALOG NUMBER: SQ2W-PW1-K-050U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1456.8	1456.8	1456.8	1456.8
2.5°	1461.7	1463.6	1455.2	1446.9
5°	1461.0	1462.6	1452.1	1441.6
7.5°	1455.1	1455.6	1445.0	1434.4
10°	1449.9	1449.9	1438.8	1427.7
12.5°	1442.9	1442.0	1430.4	1418.8
15°	1427.2	1424.6	1412.3	1400.0
17.5°	1405.1	1402.7	1390.4	1378.0
20°	1388.9	1387.2	1374.8	1362.5
22.5°	1367.0	1366.9	1353.6	1340.3
25°	1326.9	1332.9	1320.0	1307.0
27.5°	1273.4	1289.1	1278.6	1268.2
30°	1231.6	1256.4	1248.4	1240.4
32.5°	1185.0	1217.7	1214.6	1211.5
35°	1109.5	1153.0	1158.5	1164.1
37.5°	1026.0	1075.0	1091.5	1108.0
40°	967.5	1020.1	1043.5	1067.0
42.5°	908.7	962.8	992.1	1021.5
45°	820.9	877.2	911.7	946.3
47.5°	736.9	793.0	827.3	861.6
50°	680.3	734.0	767.3	800.6
52.5°	627.0	678.7	708.6	738.4
55°	548.1	596.8	625.1	653.5
57.5°	473.2	517.0	541.5	566.1
60°	425.5	467.4	489.0	510.6
62.5°	378.9	419.1	438.2	457.3
65°	315.9	349.0	363.2	377.4
67.5°	259.1	283.9	291.8	299.7
70°	224.3	244.8	247.3	249.7
72.5°	191.4	208.4	207.4	206.5
75°	145.7	156.9	152.0	147.1
77.5°	107.7	115.0	107.6	100.2
80°	83.2	88.3	80.9	73.5
82.5°	59.6	63.2	57.3	51.3
85°	30.1	31.1	28.1	25.0
87.5°	10.4	11.0	9.0	7.0
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7



TEST NUMBER: P1428380

CATALOG NUMBER: SQ2W-PW1-K-050U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1



TEST NUMBER: P1428380
 CATALOG NUMBER: SQ2W-PW1-K-050U-075D-L930-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	19.10	20.05	19.93	20.90	21.96	15.34	16.29	16.18	17.15	18.21
	3H	20.41	21.25	21.26	22.12	23.21	16.62	17.47	17.47	18.33	19.42
	4H	20.82	21.62	21.68	22.49	23.59	17.13	17.93	18.00	18.80	19.90
	6H	21.00	21.74	21.88	22.62	23.73	17.45	18.18	18.32	19.06	20.17
	8H	21.05	21.75	21.93	22.64	23.75	17.56	18.26	18.45	19.16	20.27
	12H	21.05	21.72	21.94	22.61	23.74	17.59	18.26	18.49	19.15	20.29
4H	2H	19.24	20.04	20.11	20.91	22.01	16.17	16.97	17.04	17.83	18.93
	3H	20.79	21.45	21.67	22.35	23.47	17.62	18.28	18.50	19.19	20.30
	4H	21.34	21.94	22.23	22.84	23.98	18.20	18.81	19.10	19.70	20.85
	6H	21.65	22.17	22.56	23.09	24.24	18.59	19.11	19.50	20.03	21.18
	8H	21.75	22.23	22.66	23.15	24.30	18.74	19.23	19.65	20.14	21.30
	12H	21.77	22.21	22.70	23.14	24.30	18.79	19.23	19.72	20.16	21.32
8H	4H	21.38	21.87	22.29	22.78	23.94	18.55	19.04	19.46	19.95	21.11
	6H	21.81	22.21	22.74	23.16	24.32	19.05	19.45	19.99	20.41	21.56
	8H	21.98	22.33	22.92	23.28	24.45	19.27	19.62	20.21	20.57	21.74
	12H	22.06	22.37	23.01	23.31	24.54	19.35	19.67	20.30	20.61	21.83
12H	4H	21.34	21.78	22.27	22.72	23.88	18.57	19.01	19.50	19.95	21.11
	6H	21.80	22.15	22.75	23.10	24.28	19.12	19.48	20.07	20.43	21.60
	8H	21.99	22.31	22.94	23.25	24.47	19.37	19.68	20.32	20.63	21.85