

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: P1428041

Luminaire Tested: SQ2W-PP3-K-050U-075D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428041
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-050U-075D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

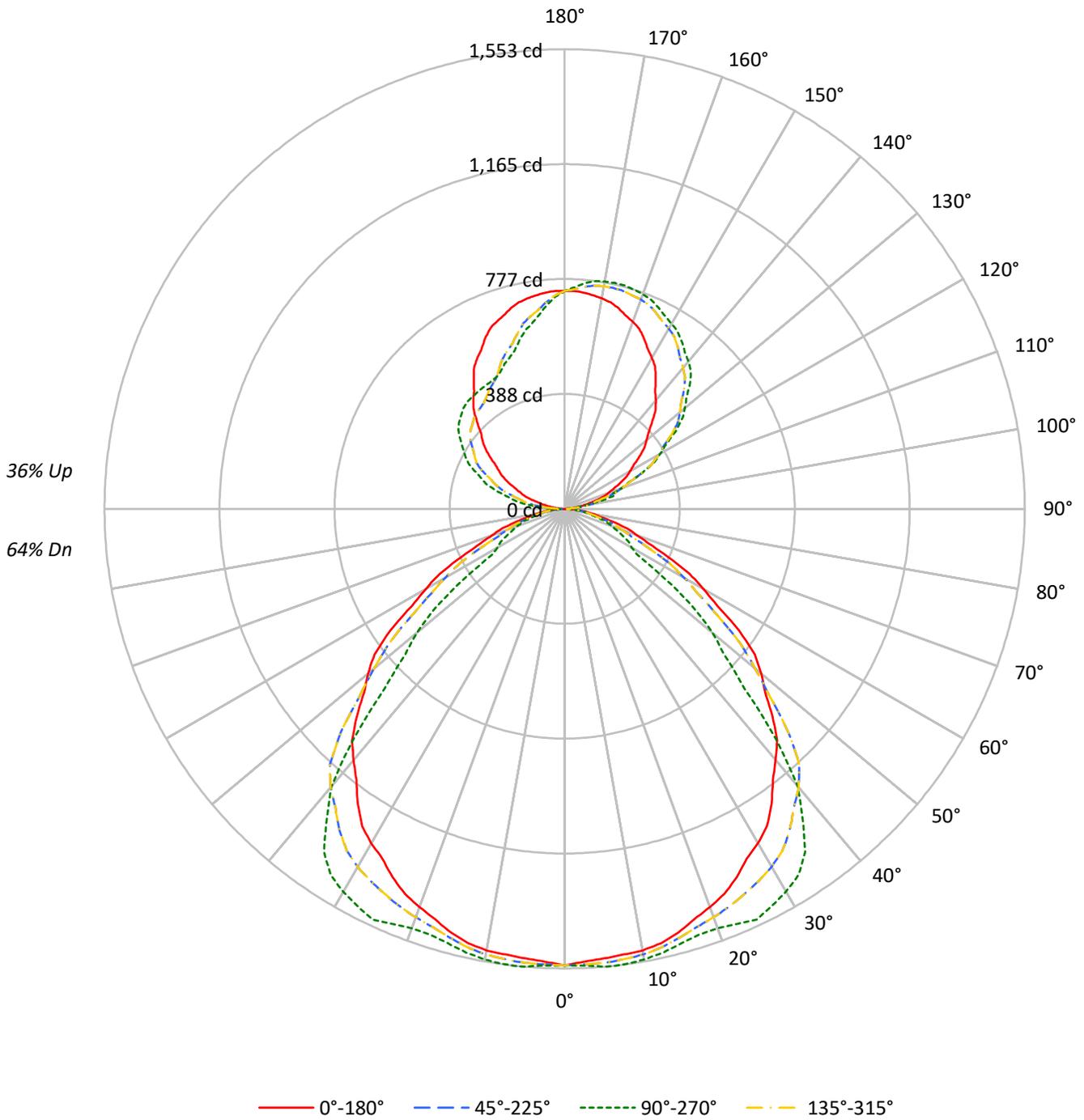
Lumens per Lamp: N/A
Luminaire Lumens: 6037.9 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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





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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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	64				
1	102	98	94	91	95	92	89	86	81	79	77	71	70	68	62	61	60	56				
2	93	86	80	75	87	81	76	71	72	68	64	64	61	58	56	54	52	48				
3	85	76	69	63	80	72	66	60	64	59	55	57	53	50	50	47	45	41				
4	78	68	60	54	73	64	57	52	57	52	47	51	46	43	45	42	39	36				
5	72	61	53	47	68	57	50	45	51	46	41	46	41	38	41	37	34	31				
6	67	55	47	41	63	52	45	39	47	41	36	42	37	33	37	33	30	28				
7	62	49	42	36	58	47	40	35	42	36	32	38	33	29	34	30	27	25				
8	57	45	37	32	54	43	36	31	39	33	29	35	30	26	31	27	24	22				
9	53	41	34	29	50	39	32	28	36	30	26	32	27	24	29	25	22	20				
10	50	38	31	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24913	24913	24913	24913
5°	24716	25167	24716	25167
10°	24841	25349	24841	25349
15°	24782	25409	24782	25409
20°	24606	25922	24606	25922
25°	24465	27283	24465	27283
30°	24326	27853	24326	27853
35°	23983	27904	23983	27904
40°	23342	25783	23342	25783
45°	22644	19627	22644	19627
50°	21755	16347	21755	16347
55°	20248	11752	20248	11752
60°	17434	8428	17434	8428
65°	14705	8286	14705	8286
70°	12241	7931	12241	7931
75°	10380	7430	10380	7430
80°	8796	6676	8796	6676
85°	6947	3631	6947	3631

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 24770 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	2.4
10°-20°	425.2	7.0
20°-30°	666.2	11.0
30°-40°	821.8	13.6
40°-50°	773.6	12.8
50°-60°	547.8	9.1
60°-70°	312.1	5.2
70°-80°	154.5	2.6
80°-90°	40.8	0.7
90°-100°	58.6	1.0
100°-110°	170.8	2.8
110°-120°	278.8	4.6
120°-130°	353.7	5.9
130°-140°	378.5	6.3
140°-150°	353.4	5.9
150°-160°	290.8	4.8
160°-170°	195.1	3.2
170°-180°	69.3	1.1
0°-30°	1238.3	20.5
0°-40°	2060.0	34.1
0°-60°	3381.5	56.0
0°-90°	3889.0	64.4
90°-120°	508.2	8.4
90°-150°	1593.8	26.4
90°-180°	2149.0	35.6
0°-180°	6037.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1543	1543	1543	1543	1543	
5°	1525	1553	1525	1553	1525	145
15°	1483	1520	1483	1520	1483	418
25°	1373	1532	1373	1532	1373	633
35°	1217	1416	1217	1416	1217	759
45°	992	860	992	860	992	763
55°	719	418	719	418	719	635
65°	385	217	385	217	385	387
75°	166	119	166	119	166	180
85°	38	20	38	20	38	44
90°	2	16	2	32	2	3
95°	23	17	23	100	23	28
105°	108	174	108	239	108	115
115°	208	288	208	355	208	205
125°	308	457	308	436	308	275
135°	418	598	418	482	418	323
145°	534	690	534	493	534	334
155°	635	749	635	512	635	292
165°	702	781	702	589	702	198
175°	734	765	734	691	734	70
180°	736	736	736	736	736	



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CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0
2.5°	1531.2	1541.1	1550.9	1548.6	1542.2	1539.6	1540.8	1542.0	1543.1	1544.3	1543.1
5°	1525.0	1537.3	1549.7	1547.9	1541.3	1538.8	1540.2	1542.6	1547.7	1552.8	1547.7
7.5°	1519.2	1531.8	1544.4	1542.7	1536.4	1534.4	1536.9	1540.3	1546.5	1552.8	1546.5
10°	1515.2	1526.1	1537.0	1535.4	1529.6	1528.5	1532.1	1536.1	1541.2	1546.2	1541.2
12.5°	1503.5	1513.8	1524.1	1522.7	1517.5	1517.3	1522.1	1526.8	1531.3	1535.8	1531.3
15°	1482.6	1492.0	1501.5	1501.6	1498.7	1500.6	1507.1	1512.9	1516.5	1520.1	1516.5
17.5°	1454.2	1465.7	1477.1	1479.8	1479.5	1484.0	1493.3	1501.2	1504.9	1508.7	1504.9
20°	1432.1	1445.8	1459.6	1464.1	1465.6	1472.1	1483.7	1494.2	1501.5	1508.7	1501.5
22.5°	1408.6	1424.7	1440.8	1446.7	1449.3	1459.3	1476.7	1492.9	1505.4	1517.8	1505.4
25°	1373.3	1389.3	1405.2	1416.8	1427.0	1444.7	1470.1	1493.9	1512.7	1531.5	1512.7
27.5°	1332.2	1348.0	1363.8	1383.8	1405.1	1430.0	1458.6	1483.7	1498.7	1513.6	1498.7
30°	1304.8	1320.1	1335.3	1358.1	1383.5	1411.0	1440.8	1466.5	1480.3	1494.0	1480.3
32.5°	1270.9	1286.7	1302.5	1326.8	1353.9	1383.5	1415.5	1442.7	1455.3	1467.9	1455.3
35°	1216.8	1232.0	1247.2	1275.5	1308.1	1341.1	1374.4	1401.2	1408.5	1415.7	1408.5
37.5°	1154.5	1171.7	1189.0	1220.7	1257.2	1284.8	1303.5	1317.7	1318.1	1318.5	1318.1
40°	1107.5	1129.9	1152.4	1184.1	1218.9	1238.1	1241.8	1242.1	1232.7	1223.3	1232.7
42.5°	1061.8	1090.7	1119.5	1145.0	1169.3	1174.4	1160.0	1138.8	1096.9	1055.0	1096.9
45°	991.7	1025.7	1059.8	1075.4	1084.8	1052.9	979.7	917.6	888.6	859.6	888.6
47.5°	917.0	950.6	984.2	979.9	963.0	914.7	835.1	770.4	750.4	730.4	750.4
50°	866.1	898.0	929.9	906.9	865.5	811.2	743.8	688.5	669.6	650.8	669.6
52.5°	808.7	837.1	865.5	830.7	774.9	717.7	658.9	607.7	579.0	550.3	579.0
55°	719.3	738.9	758.4	720.4	663.1	600.0	531.2	472.6	445.1	417.5	445.1
57.5°	611.6	625.4	639.2	609.2	564.7	502.0	421.1	352.7	321.9	291.0	321.9
60°	539.9	550.7	561.6	534.4	494.6	434.8	355.0	291.4	276.2	261.0	276.2
62.5°	474.6	484.3	494.1	465.7	424.7	371.3	305.4	254.7	249.4	244.0	249.4
65°	384.9	394.3	403.8	374.1	331.3	289.6	249.0	218.4	217.7	216.9	217.7
67.5°	306.3	316.6	326.9	298.9	258.2	227.4	206.5	190.6	189.7	188.9	189.7
70°	259.3	270.2	281.1	255.0	216.6	191.6	180.0	170.9	169.4	168.0	169.4
72.5°	220.2	230.5	240.8	218.0	184.2	163.6	156.0	150.2	149.3	148.4	149.3
75°	166.4	174.3	182.3	165.8	141.2	127.0	123.4	120.5	119.8	119.1	119.8
77.5°	120.7	125.8	130.8	120.0	104.0	95.0	93.1	91.5	90.8	90.0	90.8
80°	94.6	96.8	98.9	91.3	80.5	74.7	73.9	73.2	72.5	71.8	72.5
82.5°	71.1	70.4	69.7	65.2	59.6	56.4	55.7	54.8	53.5	52.2	53.5
85°	37.5	36.1	34.6	33.2	31.7	29.5	26.6	23.9	21.7	19.6	21.7
87.5°	12.2	12.8	13.5	11.9	9.5	7.9	7.3	7.0	7.2	7.2	7.2
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	17.2	18.4	18.6	19.3	19.3	19.3
95°	23.0	25.3	37.9	37.2	25.3	20.1	17.1	17.1	17.1	17.1	17.1
97.5°	44.0	47.3	49.4	66.2	69.9	67.5	55.0	46.2	41.3	39.1	41.3
100°	62.4	63.9	68.4	69.1	87.7	105.6	96.6	85.5	81.8	79.5	81.8
102.5°	80.9	81.8	88.6	91.7	96.1	106.2	137.1	133.7	131.1	130.7	131.1
105°	108.5	109.3	121.9	127.9	130.8	130.8	130.1	145.0	168.8	174.0	168.8
107.5°	138.1	141.5	156.4	172.3	175.7	176.6	172.8	170.5	169.6	170.2	169.6
110°	158.3	163.6	181.4	201.5	206.7	208.2	206.7	204.4	203.0	203.0	203.0



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CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	178.0	185.6	205.8	228.8	237.6	242.1	238.8	237.2	235.7	236.9	235.7
115°	208.2	219.3	246.1	269.9	287.7	289.9	289.2	289.2	288.4	288.4	288.4
117.5°	236.1	254.0	284.0	311.6	332.3	338.3	341.2	340.3	339.4	340.9	339.4
120°	255.7	276.6	310.8	342.0	362.0	371.0	373.9	372.5	373.9	372.5	373.9
122.5°	276.6	302.1	335.7	368.1	391.8	401.9	405.5	405.8	406.1	405.2	406.1
125°	307.8	339.0	378.4	411.9	436.4	448.3	451.3	452.0	453.5	457.2	453.5
127.5°	339.3	374.7	418.0	450.2	475.3	489.8	494.4	496.0	499.1	500.8	499.1
130°	361.3	401.4	445.3	475.8	500.3	515.9	524.1	526.3	530.1	529.3	530.1
132.5°	384.5	426.4	470.9	502.6	525.3	542.1	549.1	555.5	556.8	557.9	556.8
135°	418.5	463.9	508.5	539.7	561.3	577.6	586.6	592.5	596.2	598.5	596.2
137.5°	454.4	502.3	545.1	572.9	594.6	608.7	618.8	625.1	628.9	630.7	628.9
140°	478.8	524.9	566.5	595.5	614.8	628.9	637.9	645.3	649.8	649.8	649.8
142.5°	502.0	547.5	587.9	616.9	633.8	646.8	656.3	661.9	667.0	667.0	667.0
145°	534.5	579.9	617.0	646.0	660.2	672.1	682.5	686.9	689.9	689.9	689.9
147.5°	568.6	608.7	642.6	670.4	682.3	696.3	704.5	708.0	711.8	710.1	711.8
150°	588.8	626.0	658.7	684.7	696.6	710.0	718.1	721.1	724.8	722.6	724.8
152.5°	608.4	643.8	673.5	697.8	707.9	721.3	730.6	733.6	736.1	734.5	736.1
155°	634.9	666.1	693.6	715.9	724.8	737.5	746.4	750.1	753.1	749.4	753.1
157.5°	658.5	685.4	709.4	729.9	739.4	750.3	758.6	763.2	766.2	764.5	766.2
160°	672.8	697.3	718.9	738.2	747.1	756.8	765.7	770.9	773.9	771.7	773.9
162.5°	684.7	706.8	727.2	744.8	752.5	761.0	771.7	776.3	779.3	776.4	779.3
165°	701.8	719.6	737.5	752.3	759.0	765.7	776.9	782.1	784.3	781.3	784.3
167.5°	714.7	728.4	742.8	755.6	760.5	767.1	778.2	782.5	785.4	781.6	785.4
170°	721.9	733.8	746.4	756.8	760.5	766.5	777.6	781.3	783.6	779.9	783.6
172.5°	727.8	736.7	747.0	756.2	758.1	762.9	773.5	777.2	778.8	775.7	778.8
175°	733.8	739.0	746.4	752.3	751.6	754.6	763.5	766.5	769.4	765.0	769.4
177.5°	736.6	739.0	741.3	744.9	742.5	742.5	749.1	750.9	751.5	749.1	751.5
180°	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0
2.5°	1542.0	1540.8	1539.6	1542.2	1548.6	1550.9	1541.1	1531.2	1541.1	1550.9	1548.6
5°	1542.6	1540.2	1538.8	1541.3	1547.9	1549.7	1537.3	1525.0	1537.3	1549.7	1547.9
7.5°	1540.3	1536.9	1534.4	1536.4	1542.7	1544.4	1531.8	1519.2	1531.8	1544.4	1542.7
10°	1536.1	1532.1	1528.5	1529.6	1535.4	1537.0	1526.1	1515.2	1526.1	1537.0	1535.4
12.5°	1526.8	1522.1	1517.3	1517.5	1522.7	1524.1	1513.8	1503.5	1513.8	1524.1	1522.7
15°	1512.9	1507.1	1500.6	1498.7	1501.6	1501.5	1492.0	1482.6	1492.0	1501.5	1501.6
17.5°	1501.2	1493.3	1484.0	1479.5	1479.8	1477.1	1465.7	1454.2	1465.7	1477.1	1479.8
20°	1494.2	1483.7	1472.1	1465.6	1464.1	1459.6	1445.8	1432.1	1445.8	1459.6	1464.1
22.5°	1492.9	1476.7	1459.3	1449.3	1446.7	1440.8	1424.7	1408.6	1424.7	1440.8	1446.7
25°	1493.9	1470.1	1444.7	1427.0	1416.8	1405.2	1389.3	1373.3	1389.3	1405.2	1416.8
27.5°	1483.7	1458.6	1430.0	1405.1	1383.8	1363.8	1348.0	1332.2	1348.0	1363.8	1383.8
30°	1466.5	1440.8	1411.0	1383.5	1358.1	1335.3	1320.1	1304.8	1320.1	1335.3	1358.1
32.5°	1442.7	1415.5	1383.5	1353.9	1326.8	1302.5	1286.7	1270.9	1286.7	1302.5	1326.8
35°	1401.2	1374.4	1341.1	1308.1	1275.5	1247.2	1232.0	1216.8	1232.0	1247.2	1275.5
37.5°	1317.7	1303.5	1284.8	1257.2	1220.7	1189.0	1171.7	1154.5	1171.7	1189.0	1220.7
40°	1242.1	1241.8	1238.1	1218.9	1184.1	1152.4	1129.9	1107.5	1129.9	1152.4	1184.1
42.5°	1138.8	1160.0	1174.4	1169.3	1145.0	1119.5	1090.7	1061.8	1090.7	1119.5	1145.0
45°	917.6	979.7	1052.9	1084.8	1075.4	1059.8	1025.7	991.7	1025.7	1059.8	1075.4
47.5°	770.4	835.1	914.7	963.0	979.9	984.2	950.6	917.0	950.6	984.2	979.9
50°	688.5	743.8	811.2	865.5	906.9	929.9	898.0	866.1	898.0	929.9	906.9
52.5°	607.7	658.9	717.7	774.9	830.7	865.5	837.1	808.7	837.1	865.5	830.7
55°	472.6	531.2	600.0	663.1	720.4	758.4	738.9	719.3	738.9	758.4	720.4
57.5°	352.7	421.1	502.0	564.7	609.2	639.2	625.4	611.6	625.4	639.2	609.2
60°	291.4	355.0	434.8	494.6	534.4	561.6	550.7	539.9	550.7	561.6	534.4
62.5°	254.7	305.4	371.3	424.7	465.7	494.1	484.3	474.6	484.3	494.1	465.7
65°	218.4	249.0	289.6	331.3	374.1	403.8	394.3	384.9	394.3	403.8	374.1
67.5°	190.6	206.5	227.4	258.2	298.9	326.9	316.6	306.3	316.6	326.9	298.9
70°	170.9	180.0	191.6	216.6	255.0	281.1	270.2	259.3	270.2	281.1	255.0
72.5°	150.2	156.0	163.6	184.2	218.0	240.8	230.5	220.2	230.5	240.8	218.0
75°	120.5	123.4	127.0	141.2	165.8	182.3	174.3	166.4	174.3	182.3	165.8
77.5°	91.5	93.1	95.0	104.0	120.0	130.8	125.8	120.7	125.8	130.8	120.0
80°	73.2	73.9	74.7	80.5	91.3	98.9	96.8	94.6	96.8	98.9	91.3
82.5°	54.8	55.7	56.4	59.6	65.2	69.7	70.4	71.1	70.4	69.7	65.2
85°	23.9	26.6	29.5	31.7	33.2	34.6	36.1	37.5	36.1	34.6	33.2
87.5°	7.0	7.3	7.9	9.5	11.9	13.5	12.8	12.2	12.8	13.4	12.2
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	18.4	17.2	15.9	13.1	13.1	12.9	8.2	14.1	20.1	28.8
95°	17.1	17.1	20.1	25.3	37.2	37.9	25.3	23.0	32.7	46.1	58.0
97.5°	46.2	55.0	67.5	69.9	66.2	49.4	47.3	44.0	59.9	73.2	92.3
100°	85.5	96.6	105.6	87.7	69.1	68.4	63.9	62.4	79.5	92.2	110.8
102.5°	133.7	137.1	106.2	96.1	91.7	88.6	81.8	80.9	98.0	115.4	131.0
105°	145.0	130.1	130.8	130.8	127.9	121.9	109.3	108.5	127.9	147.9	167.3
107.5°	170.5	172.8	176.6	175.7	172.3	156.4	141.5	138.1	155.5	179.6	200.9
110°	204.4	206.7	208.2	206.7	201.5	181.4	163.6	158.3	174.0	199.2	222.3



TEST NUMBER: P1428041

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	237.2	238.8	242.1	237.6	228.8	205.8	185.6	178.0	193.6	219.5	243.1
115°	289.2	289.2	289.9	287.7	269.9	246.1	219.3	208.2	221.5	245.3	271.4
117.5°	340.3	341.2	338.3	332.3	311.6	284.0	254.0	236.1	246.7	271.8	298.6
120°	372.5	373.9	371.0	362.0	342.0	310.8	276.6	255.7	263.9	288.4	315.2
122.5°	405.8	405.5	401.9	391.8	368.1	335.7	302.1	276.6	280.0	302.7	328.9
125°	452.0	451.3	448.3	436.4	411.9	378.4	339.0	307.8	303.3	322.6	349.4
127.5°	496.0	494.4	489.8	475.3	450.2	418.0	374.7	339.3	329.3	341.5	366.1
130°	526.3	524.1	515.9	500.3	475.8	445.3	401.4	361.3	347.2	354.6	376.2
132.5°	555.5	549.1	542.1	525.3	502.6	470.9	426.4	384.5	365.0	368.3	385.1
135°	592.5	586.6	577.6	561.3	539.7	508.5	463.9	418.5	391.8	388.8	398.5
137.5°	625.1	618.8	608.7	594.6	572.9	545.1	502.3	454.4	420.6	410.7	414.4
140°	645.3	637.9	628.9	614.8	595.5	566.5	524.9	478.8	440.9	426.7	424.5
142.5°	661.9	656.3	646.8	633.8	616.9	587.9	547.5	502.0	461.7	443.4	438.2
145°	686.9	682.5	672.1	660.2	646.0	617.0	579.9	534.5	494.4	470.6	459.4
147.5°	708.0	704.5	696.3	682.3	670.4	642.6	608.7	568.6	527.4	497.9	483.5
150°	721.1	718.1	710.0	696.6	684.7	658.7	626.0	588.8	549.4	518.2	499.6
152.5°	733.6	730.6	721.3	707.9	697.8	673.5	643.8	608.4	568.4	537.2	518.0
155°	750.1	746.4	737.5	724.8	715.9	693.6	666.1	634.9	600.7	568.0	546.4
157.5°	763.2	758.6	750.3	739.4	729.9	709.4	685.4	658.5	628.6	597.4	575.4
160°	770.9	765.7	756.8	747.1	738.2	718.9	697.3	672.8	645.3	617.0	593.3
162.5°	776.3	771.7	761.0	752.5	744.8	727.2	706.8	684.7	660.2	635.5	613.5
165°	782.1	776.9	765.7	759.0	752.3	737.5	719.6	701.8	681.0	660.9	643.1
167.5°	782.5	778.2	767.1	760.5	755.6	742.8	728.4	714.7	698.5	682.8	667.9
170°	781.3	777.6	766.5	760.5	756.8	746.4	733.8	721.9	709.2	695.8	684.0
172.5°	777.2	773.5	762.9	758.1	756.2	747.0	736.7	727.8	717.0	707.1	697.6
175°	766.5	763.5	754.6	751.6	752.3	746.4	739.0	733.8	727.1	721.1	715.9
177.5°	750.9	749.1	742.5	742.5	744.9	741.3	739.0	736.6	733.6	731.8	730.0
180°	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0



TEST NUMBER: P1428041

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0
2.5°	1542.2	1539.6	1540.8	1542.0	1543.1	1544.3	1543.1	1542.0	1540.8	1539.6	1542.2
5°	1541.3	1538.8	1540.2	1542.6	1547.7	1552.8	1547.7	1542.6	1540.2	1538.8	1541.3
7.5°	1536.4	1534.4	1536.9	1540.3	1546.5	1552.8	1546.5	1540.3	1536.9	1534.4	1536.4
10°	1529.6	1528.5	1532.1	1536.1	1541.2	1546.2	1541.2	1536.1	1532.1	1528.5	1529.6
12.5°	1517.5	1517.3	1522.1	1526.8	1531.3	1535.8	1531.3	1526.8	1522.1	1517.3	1517.5
15°	1498.7	1500.6	1507.1	1512.9	1516.5	1520.1	1516.5	1512.9	1507.1	1500.6	1498.7
17.5°	1479.5	1484.0	1493.3	1501.2	1504.9	1508.7	1504.9	1501.2	1493.3	1484.0	1479.5
20°	1465.6	1472.1	1483.7	1494.2	1501.5	1508.7	1501.5	1494.2	1483.7	1472.1	1465.6
22.5°	1449.3	1459.3	1476.7	1492.9	1505.4	1517.8	1505.4	1492.9	1476.7	1459.3	1449.3
25°	1427.0	1444.7	1470.1	1493.9	1512.7	1531.5	1512.7	1493.9	1470.1	1444.7	1427.0
27.5°	1405.1	1430.0	1458.6	1483.7	1498.7	1513.6	1498.7	1483.7	1458.6	1430.0	1405.1
30°	1383.5	1411.0	1440.8	1466.5	1480.3	1494.0	1480.3	1466.5	1440.8	1411.0	1383.5
32.5°	1353.9	1383.5	1415.5	1442.7	1455.3	1467.9	1455.3	1442.7	1415.5	1383.5	1353.9
35°	1308.1	1341.1	1374.4	1401.2	1408.5	1415.7	1408.5	1401.2	1374.4	1341.1	1308.1
37.5°	1257.2	1284.8	1303.5	1317.7	1318.1	1318.5	1318.1	1317.7	1303.5	1284.8	1257.2
40°	1218.9	1238.1	1241.8	1242.1	1232.7	1223.3	1232.7	1242.1	1241.8	1238.1	1218.9
42.5°	1169.3	1174.4	1160.0	1138.8	1096.9	1055.0	1096.9	1138.8	1160.0	1174.4	1169.3
45°	1084.8	1052.9	979.7	917.6	888.6	859.6	888.6	917.6	979.7	1052.9	1084.8
47.5°	963.0	914.7	835.1	770.4	750.4	730.4	750.4	770.4	835.1	914.7	963.0
50°	865.5	811.2	743.8	688.5	669.6	650.8	669.6	688.5	743.8	811.2	865.5
52.5°	774.9	717.7	658.9	607.7	579.0	550.3	579.0	607.7	658.9	717.7	774.9
55°	663.1	600.0	531.2	472.6	445.1	417.5	445.1	472.6	531.2	600.0	663.1
57.5°	564.7	502.0	421.1	352.7	321.9	291.0	321.9	352.7	421.1	502.0	564.7
60°	494.6	434.8	355.0	291.4	276.2	261.0	276.2	291.4	355.0	434.8	494.6
62.5°	424.7	371.3	305.4	254.7	249.4	244.0	249.4	254.7	305.4	371.3	424.7
65°	331.3	289.6	249.0	218.4	217.7	216.9	217.7	218.4	249.0	289.6	331.3
67.5°	258.2	227.4	206.5	190.6	189.7	188.9	189.7	190.6	206.5	227.4	258.2
70°	216.6	191.6	180.0	170.9	169.4	168.0	169.4	170.9	180.0	191.6	216.6
72.5°	184.2	163.6	156.0	150.2	149.3	148.4	149.3	150.2	156.0	163.6	184.2
75°	141.2	127.0	123.4	120.5	119.8	119.1	119.8	120.5	123.4	127.0	141.2
77.5°	104.0	95.0	93.1	91.5	90.8	90.0	90.8	91.5	93.1	95.0	104.0
80°	80.5	74.7	73.9	73.2	72.5	71.8	72.5	73.2	73.9	74.7	80.5
82.5°	59.6	56.4	55.7	54.8	53.5	52.2	53.5	54.8	55.7	56.4	59.6
85°	31.7	29.5	26.6	23.9	21.7	19.6	21.7	23.9	26.6	29.5	31.7
87.5°	10.1	9.4	9.9	10.0	10.6	10.3	10.6	10.0	9.9	9.4	10.1
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°	34.3	43.1	49.5	54.9	57.2	56.9	57.2	49.5	43.1	34.3	34.3
95°	69.1	79.5	90.0	97.4	101.8	100.4	101.8	97.4	90.0	79.5	69.1
97.5°	106.6	120.6	132.2	139.2	143.6	146.6	143.6	139.2	132.2	120.6	106.6
100°	131.6	145.0	158.3	166.5	174.0	176.9	174.0	166.5	158.3	145.0	131.6
102.5°	151.8	169.4	183.9	192.7	198.9	201.9	198.9	192.7	183.9	169.4	151.8
105°	185.1	203.7	219.3	230.5	237.2	239.4	237.2	230.5	219.3	203.7	185.1
107.5°	218.4	237.6	252.0	264.4	272.5	277.3	272.5	264.4	252.0	237.6	218.4
110°	244.6	260.2	275.8	287.0	295.1	298.1	295.1	287.0	275.8	260.2	244.6



TEST NUMBER: P1428041

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	266.6	284.0	299.6	310.8	320.1	324.3	320.1	310.8	299.6	284.0	266.6
115°	297.4	320.4	334.5	344.9	351.6	355.4	351.6	344.9	334.5	320.4	297.4
117.5°	322.9	347.0	362.5	370.5	373.6	376.3	373.6	370.5	362.5	347.0	322.9
120°	339.0	361.3	379.1	389.6	393.3	394.8	393.3	389.6	379.1	361.3	339.0
122.5°	353.9	375.0	392.2	405.0	411.1	412.6	411.1	405.0	392.2	375.0	353.9
125°	374.7	394.8	412.6	425.2	431.9	435.6	431.9	425.2	412.6	394.8	374.7
127.5°	392.8	414.5	430.9	442.3	448.9	451.9	448.9	442.3	430.9	414.5	392.8
130°	402.9	425.2	441.6	454.2	460.2	463.2	460.2	454.2	441.6	425.2	402.9
132.5°	410.7	434.2	451.1	462.6	469.1	472.1	469.1	462.6	451.1	434.2	410.7
135°	420.0	444.6	462.4	473.6	479.5	482.5	479.5	473.6	462.4	444.6	420.0
137.5°	428.2	450.5	469.1	480.8	486.2	488.1	486.2	480.8	469.1	450.5	428.2
140°	434.2	453.5	472.1	483.2	489.2	489.9	489.2	483.2	472.1	453.5	434.2
142.5°	441.9	457.1	473.3	484.4	490.4	491.7	490.4	484.4	473.3	457.1	441.9
145°	455.7	464.6	475.8	486.2	491.4	492.9	491.4	486.2	475.8	464.6	455.7
147.5°	473.1	475.9	481.7	488.6	493.6	494.7	493.6	488.6	481.7	475.9	473.1
150°	486.2	485.5	487.7	492.1	496.6	495.9	496.6	492.1	487.7	485.5	486.2
152.5°	501.1	496.8	496.6	498.7	500.8	500.6	500.8	498.7	496.6	496.8	501.1
155°	526.3	518.2	513.7	512.2	512.2	511.5	512.2	512.2	513.7	518.2	526.3
157.5°	554.1	542.7	536.0	532.4	531.4	529.8	531.4	532.4	536.0	542.7	554.1
160°	573.2	560.5	553.9	547.9	545.7	543.4	545.7	547.9	553.9	560.5	573.2
162.5°	591.0	579.0	571.7	566.3	564.1	560.7	564.1	566.3	571.7	579.0	591.0
165°	620.0	607.4	599.2	594.7	591.8	588.8	591.8	594.7	599.2	607.4	620.0
167.5°	649.0	635.2	629.8	624.8	621.9	616.6	621.9	624.8	629.8	635.2	649.0
170°	666.9	654.2	651.2	646.8	641.6	635.6	641.6	646.8	651.2	654.2	666.9
172.5°	682.3	673.8	670.9	666.4	664.8	660.0	664.8	666.4	670.9	673.8	682.3
175°	704.8	698.1	698.1	697.3	695.1	690.6	695.1	697.3	698.1	698.1	704.8
177.5°	723.5	719.9	722.3	722.3	721.7	717.6	721.7	722.3	722.3	719.9	723.5
180°	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0	736.0



TEST NUMBER: P1428041

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1543.0	1543.0	1543.0	1543.0
2.5°	1548.6	1550.9	1541.1	1531.2
5°	1547.9	1549.7	1537.3	1525.0
7.5°	1542.7	1544.4	1531.8	1519.2
10°	1535.4	1537.0	1526.1	1515.2
12.5°	1522.7	1524.1	1513.8	1503.5
15°	1501.6	1501.5	1492.0	1482.6
17.5°	1479.8	1477.1	1465.7	1454.2
20°	1464.1	1459.6	1445.8	1432.1
22.5°	1446.7	1440.8	1424.7	1408.6
25°	1416.8	1405.2	1389.3	1373.3
27.5°	1383.8	1363.8	1348.0	1332.2
30°	1358.1	1335.3	1320.1	1304.8
32.5°	1326.8	1302.5	1286.7	1270.9
35°	1275.5	1247.2	1232.0	1216.8
37.5°	1220.7	1189.0	1171.7	1154.5
40°	1184.1	1152.4	1129.9	1107.5
42.5°	1145.0	1119.5	1090.7	1061.8
45°	1075.4	1059.8	1025.7	991.7
47.5°	979.9	984.2	950.6	917.0
50°	906.9	929.9	898.0	866.1
52.5°	830.7	865.5	837.1	808.7
55°	720.4	758.4	738.9	719.3
57.5°	609.2	639.2	625.4	611.6
60°	534.4	561.6	550.7	539.9
62.5°	465.7	494.1	484.3	474.6
65°	374.1	403.8	394.3	384.9
67.5°	298.9	326.9	316.6	306.3
70°	255.0	281.1	270.2	259.3
72.5°	218.0	240.8	230.5	220.2
75°	165.8	182.3	174.3	166.4
77.5°	120.0	130.8	125.8	120.7
80°	91.3	98.9	96.8	94.6
82.5°	65.2	69.7	70.4	71.1
85°	33.2	34.6	36.1	37.5
87.5°	12.2	13.4	12.8	12.2
90°	13.4	8.2	5.2	2.2
92.5°	28.8	20.1	14.1	8.2
95°	58.0	46.1	32.7	23.0
97.5°	92.3	73.2	59.9	44.0
100°	110.8	92.2	79.5	62.4
102.5°	131.0	115.4	98.0	80.9
105°	167.3	147.9	127.9	108.5
107.5°	200.9	179.6	155.5	138.1
110°	222.3	199.2	174.0	158.3



TEST NUMBER: P1428041

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	243.1	219.5	193.6	178.0
115°	271.4	245.3	221.5	208.2
117.5°	298.6	271.8	246.7	236.1
120°	315.2	288.4	263.9	255.7
122.5°	328.9	302.7	280.0	276.6
125°	349.4	322.6	303.3	307.8
127.5°	366.1	341.5	329.3	339.3
130°	376.2	354.6	347.2	361.3
132.5°	385.1	368.3	365.0	384.5
135°	398.5	388.8	391.8	418.5
137.5°	414.4	410.7	420.6	454.4
140°	424.5	426.7	440.9	478.8
142.5°	438.2	443.4	461.7	502.0
145°	459.4	470.6	494.4	534.5
147.5°	483.5	497.9	527.4	568.6
150°	499.6	518.2	549.4	588.8
152.5°	518.0	537.2	568.4	608.4
155°	546.4	568.0	600.7	634.9
157.5°	575.4	597.4	628.6	658.5
160°	593.3	617.0	645.3	672.8
162.5°	613.5	635.5	660.2	684.7
165°	643.1	660.9	681.0	701.8
167.5°	667.9	682.8	698.5	714.7
170°	684.0	695.8	709.2	721.9
172.5°	697.6	707.1	717.0	727.8
175°	715.9	721.1	727.1	733.8
177.5°	730.0	731.8	733.6	736.6
180°	736.0	736.0	736.0	736.0



TEST NUMBER: P1428041
 CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L830-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	19.87	20.84	20.70	21.69	22.74	15.64	16.61	16.47	17.46	18.51
	3H	20.94	21.80	21.79	22.66	23.74	16.96	17.82	17.81	18.68	19.76
	4H	21.32	22.13	22.18	22.99	24.08	17.52	18.34	18.38	19.20	20.29
	6H	21.52	22.26	22.39	23.13	24.24	17.89	18.64	18.77	19.51	20.62
	8H	21.58	22.29	22.46	23.18	24.28	18.03	18.74	18.91	19.62	20.73
	12H	21.61	22.28	22.49	23.16	24.29	18.06	18.74	18.95	19.62	20.75
4H	2H	20.01	20.82	20.87	21.68	22.77	16.57	17.38	17.43	18.24	19.33
	3H	21.31	21.98	22.19	22.88	23.98	18.00	18.67	18.88	19.57	20.67
	4H	21.82	22.43	22.71	23.33	24.46	18.63	19.24	19.51	20.13	21.26
	6H	22.14	22.67	23.05	23.59	24.72	19.08	19.60	19.98	20.52	21.66
	8H	22.25	22.75	23.16	23.66	24.81	19.25	19.74	20.15	20.65	21.80
	12H	22.30	22.74	23.23	23.68	24.83	19.30	19.74	20.23	20.68	21.83
8H	4H	21.85	22.34	22.75	23.25	24.40	18.94	19.43	19.85	20.34	21.49
	6H	22.27	22.67	23.20	23.62	24.77	19.51	19.91	20.44	20.86	22.01
	8H	22.45	22.80	23.39	23.75	24.92	19.75	20.11	20.70	21.06	22.22
	12H	22.55	22.86	23.49	23.80	25.02	19.86	20.18	20.80	21.11	22.33
12H	4H	21.81	22.25	22.74	23.18	24.34	18.96	19.40	19.88	20.33	21.48
	6H	22.26	22.62	23.20	23.56	24.73	19.57	19.93	20.51	20.88	22.04
	8H	22.46	22.78	23.40	23.71	24.93	19.85	20.17	20.79	21.11	22.32