

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: P1428189

Luminaire Tested: SQ2W-PR1-K-025U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428189
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-025U-075D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

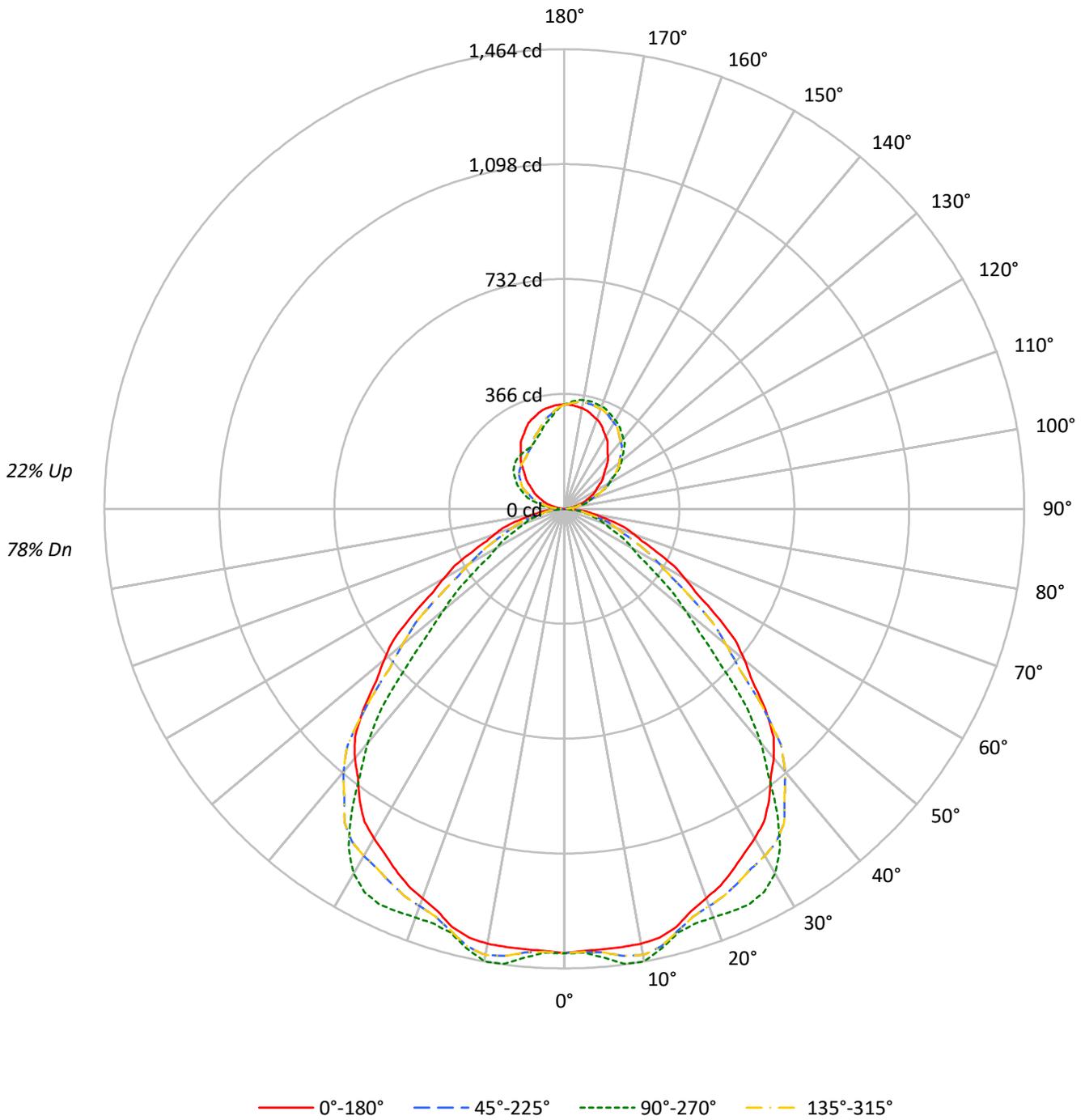
Lumens per Lamp: N/A
Luminaire Lumens: 4374.0 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 34.2
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	0	
RCR																			
0	114	114	114	114	109	109	109	109	99	99	99	99	90	90	90	82	82	82	78
1	105	101	97	94	100	97	93	90	88	86	83	83	81	79	77	74	72	71	68
2	96	89	83	78	92	86	80	76	79	74	71	71	72	69	66	66	64	61	58
3	89	79	72	66	84	76	70	64	70	65	61	61	65	60	57	59	56	53	50
4	82	71	63	57	78	68	61	56	63	57	52	52	58	53	49	54	50	47	44
5	75	64	56	50	72	61	54	48	57	51	46	46	53	47	43	49	44	41	39
6	70	58	49	44	66	56	48	43	52	45	41	41	48	43	39	44	40	37	34
7	65	52	44	39	62	51	43	38	47	41	36	36	44	38	34	41	36	33	31
8	60	48	40	35	58	46	39	34	43	37	32	32	40	35	31	38	33	29	27
9	56	44	36	31	54	42	35	31	40	34	29	29	37	32	28	35	30	27	25
10	53	40	33	28	50	39	32	28	37	31	27	27	34	29	25	32	28	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22849	22849	22849	22849
5°	22820	23240	22820	23240
10°	23059	24005	23059	24005
15°	23052	23366	23052	23366
20°	22680	23795	22680	23795
25°	22616	24773	22616	24773
30°	22592	25012	22592	25012
35°	22377	23287	22377	23287
40°	21861	20493	21861	20493
45°	20685	16205	20685	16205
50°	18806	12574	18806	12574
55°	16526	9787	16526	9787
60°	14302	8060	14302	8060
65°	12344	7056	12344	7056
70°	11098	6264	11098	6264
75°	10168	5758	10168	5758
80°	8852	5634	8852	5634
85°	6410	2668	6410	2668

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 22208 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	3.1
10°-20°	395.6	9.0
20°-30°	611.6	14.0
30°-40°	735.5	16.8
40°-50°	660.5	15.1
50°-60°	442.5	10.1
60°-70°	257.4	5.9
70°-80°	132.2	3.0
80°-90°	34.0	0.8
90°-100°	26.4	0.6
100°-110°	76.9	1.8
110°-120°	125.6	2.9
120°-130°	159.3	3.6
130°-140°	170.5	3.9
140°-150°	159.2	3.6
150°-160°	131.0	3.0
160°-170°	87.9	2.0
170°-180°	31.2	0.7
0°-30°	1143.9	26.2
0°-40°	1879.3	43.0
0°-60°	2982.3	68.2
0°-90°	3406.0	77.9
90°-120°	228.9	5.2
90°-150°	717.9	16.4
90°-180°	968.0	22.1
0°-180°	4374.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1415	1415	1415	1415	1415	
5°	1408	1434	1408	1434	1408	134
15°	1379	1398	1379	1398	1379	387
25°	1270	1391	1270	1391	1270	585
35°	1135	1182	1135	1182	1135	708
45°	906	710	906	710	906	693
55°	587	348	587	348	587	528
65°	323	185	323	185	323	327
75°	163	92	163	92	163	173
85°	35	14	35	14	35	43
90°	1	7	1	14	1	2
95°	10	8	10	45	10	13
105°	49	78	49	108	49	52
115°	94	130	94	160	94	92
125°	139	206	139	196	139	124
135°	188	270	188	217	188	146
145°	241	311	241	222	241	151
155°	286	338	286	230	286	131
165°	316	352	316	265	316	89
175°	330	345	330	311	330	31
180°	332	332	332	332	332	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1409.4	1417.1	1424.8	1421.3	1414.1	1410.8	1411.3	1412.1	1413.6	1415.2	1413.6
5°	1408.0	1418.9	1429.8	1427.2	1420.1	1417.3	1418.5	1421.1	1427.5	1433.9	1427.5
7.5°	1407.7	1423.2	1438.7	1439.9	1436.3	1436.4	1440.1	1445.0	1453.4	1461.9	1453.4
10°	1406.5	1425.1	1443.7	1446.4	1443.9	1442.9	1443.5	1446.3	1455.2	1464.2	1455.2
12.5°	1399.6	1421.3	1442.9	1440.7	1430.4	1424.8	1423.9	1424.5	1429.3	1434.2	1429.3
15°	1379.1	1404.8	1430.4	1420.0	1397.5	1387.3	1389.2	1391.4	1394.7	1397.9	1394.7
17.5°	1343.0	1369.8	1396.6	1387.3	1365.9	1358.6	1365.5	1372.3	1378.6	1384.9	1378.6
20°	1320.0	1346.2	1372.5	1366.1	1348.8	1344.6	1353.6	1363.1	1374.0	1384.9	1374.0
22.5°	1299.2	1325.5	1351.8	1347.7	1333.4	1332.6	1345.2	1358.3	1373.3	1388.3	1373.3
25°	1269.5	1292.6	1315.6	1316.1	1309.1	1316.1	1337.3	1357.3	1374.0	1390.6	1374.0
27.5°	1238.3	1251.9	1265.5	1274.5	1281.9	1299.9	1328.5	1352.9	1364.6	1376.2	1364.6
30°	1211.8	1220.7	1229.7	1246.4	1265.6	1287.7	1312.7	1332.6	1337.1	1341.6	1337.1
32.5°	1182.9	1188.3	1193.7	1217.2	1246.6	1268.0	1281.2	1289.7	1283.9	1278.1	1283.9
35°	1135.3	1139.8	1144.3	1174.3	1212.7	1226.8	1216.6	1205.8	1193.7	1181.5	1193.7
37.5°	1078.8	1088.0	1097.2	1121.7	1151.1	1150.9	1120.9	1094.9	1080.9	1066.9	1080.9
40°	1037.2	1052.6	1068.0	1084.3	1101.0	1086.9	1042.0	1004.4	988.3	972.3	988.3
42.5°	986.4	1011.1	1035.7	1039.3	1036.0	1005.7	948.5	900.7	881.1	861.5	881.1
45°	905.9	939.3	972.6	953.5	917.0	867.6	805.4	753.3	731.5	709.7	731.5
47.5°	811.0	845.3	879.5	843.5	784.2	726.7	671.2	624.4	604.1	583.7	604.1
50°	748.7	776.3	803.8	763.1	699.7	641.9	590.0	545.5	523.0	500.6	523.0
52.5°	685.2	705.1	725.0	684.6	624.3	568.1	516.2	472.1	451.7	431.3	451.7
55°	587.1	597.4	607.6	570.3	517.1	465.8	416.4	375.9	361.8	347.7	361.8
57.5°	497.1	503.7	510.2	474.8	425.4	379.8	337.9	303.8	293.4	283.0	293.4
60°	442.9	447.4	451.8	415.9	366.6	325.5	292.8	266.2	257.9	249.6	257.9
62.5°	393.2	396.7	400.2	365.5	318.2	281.6	255.5	234.4	228.2	221.9	228.2
65°	323.1	326.3	329.5	300.1	259.7	229.5	209.7	193.6	189.1	184.7	189.1
67.5°	267.5	269.1	270.8	246.5	213.5	189.2	173.6	160.8	156.6	152.3	156.6
70°	235.1	235.8	236.4	214.9	186.1	164.6	150.5	139.1	135.9	132.7	135.9
72.5°	206.3	205.4	204.5	185.3	160.1	141.7	130.1	120.9	118.7	116.6	118.7
75°	163.0	161.1	159.2	143.3	122.8	108.7	101.0	94.9	93.6	92.3	93.6
77.5°	121.8	119.7	117.7	104.4	87.5	77.8	75.2	73.3	73.3	73.3	73.3
80°	95.2	92.6	90.1	79.8	67.0	60.6	60.6	60.6	60.6	60.6	60.6
82.5°	71.0	67.4	63.8	57.5	50.3	46.7	46.7	46.6	46.1	45.6	46.1
85°	34.6	31.4	28.2	27.4	27.4	25.5	21.6	18.3	16.3	14.4	16.3
87.5°	9.4	9.7	10.0	8.4	6.0	4.8	4.8	4.9	4.9	4.9	4.9
90°	1.0	2.3	4.0	5.4	6.4	6.7	6.7	7.0	7.4	7.4	7.4
92.5°	3.7	5.8	5.9	5.9	7.2	7.8	8.3	8.4	8.7	8.7	8.7
95°	10.4	11.4	17.1	16.7	11.4	9.0	7.7	7.7	7.7	7.7	7.7
97.5°	19.8	21.3	22.2	29.8	31.5	30.4	24.8	20.8	18.6	17.6	18.6
100°	28.1	28.8	30.8	31.1	39.5	47.6	43.5	38.5	36.8	35.8	36.8
102.5°	36.4	36.8	39.9	41.3	43.3	47.8	61.8	60.2	59.1	58.9	59.1
105°	48.9	49.2	54.9	57.6	58.9	58.9	58.6	65.3	76.0	78.4	76.0
107.5°	62.2	63.8	70.5	77.6	79.2	79.6	77.8	76.8	76.4	76.7	76.4
110°	71.3	73.7	81.7	90.8	93.1	93.8	93.1	92.1	91.4	91.4	91.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	80.2	83.6	92.7	103.1	107.0	109.0	107.6	106.8	106.2	106.7	106.2
115°	93.8	98.8	110.8	121.6	129.6	130.6	130.3	130.3	129.9	129.9	129.9
117.5°	106.4	114.4	127.9	140.4	149.7	152.4	153.7	153.3	152.9	153.6	152.9
120°	115.2	124.6	140.0	154.0	163.1	167.1	168.4	167.8	168.4	167.8	168.4
122.5°	124.6	136.1	151.2	165.8	176.5	181.0	182.6	182.8	182.9	182.5	182.9
125°	138.6	152.7	170.5	185.5	196.6	201.9	203.3	203.6	204.3	206.0	204.3
127.5°	152.8	168.8	188.3	202.8	214.1	220.6	222.7	223.4	224.8	225.6	224.8
130°	162.8	180.8	200.6	214.3	225.4	232.4	236.1	237.1	238.8	238.4	238.8
132.5°	173.2	192.1	212.1	226.4	236.6	244.2	247.3	250.2	250.8	251.3	250.8
135°	188.5	209.0	229.1	243.1	252.8	260.2	264.2	266.9	268.6	269.6	268.6
137.5°	204.7	226.2	245.5	258.1	267.8	274.2	278.8	281.6	283.3	284.1	283.3
140°	215.7	236.4	255.2	268.2	276.9	283.3	287.3	290.7	292.7	292.7	292.7
142.5°	226.1	246.6	264.8	277.9	285.5	291.3	295.6	298.2	300.5	300.5	300.5
145°	240.8	261.2	277.9	291.0	297.4	302.7	307.4	309.4	310.8	310.8	310.8
147.5°	256.1	274.2	289.5	302.0	307.4	313.6	317.3	318.9	320.6	319.9	320.6
150°	265.2	282.0	296.7	308.4	313.8	319.8	323.5	324.8	326.5	325.5	326.5
152.5°	274.1	290.0	303.4	314.3	318.9	324.9	329.1	330.5	331.6	330.9	331.6
155°	286.0	300.1	312.4	322.5	326.5	332.2	336.2	337.9	339.2	337.6	339.2
157.5°	296.6	308.8	319.5	328.8	333.1	338.0	341.7	343.8	345.1	344.4	345.1
160°	303.1	314.1	323.8	332.5	336.6	340.9	344.9	347.3	348.6	347.6	348.6
162.5°	308.4	318.4	327.6	335.5	339.0	342.8	347.6	349.7	351.0	349.7	351.0
165°	316.1	324.2	332.2	338.9	341.9	344.9	349.9	352.3	353.3	352.0	353.3
167.5°	322.0	328.1	334.6	340.4	342.6	345.5	350.6	352.5	353.8	352.1	353.8
170°	325.2	330.5	336.2	340.9	342.6	345.3	350.3	352.0	353.0	351.3	353.0
172.5°	327.8	331.9	336.5	340.6	341.5	343.7	348.4	350.1	350.8	349.4	350.8
175°	330.5	332.9	336.2	338.9	338.6	339.9	343.9	345.3	346.6	344.6	346.6
177.5°	331.8	332.9	333.9	335.5	334.5	334.5	337.4	338.2	338.5	337.4	338.5
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1412.1	1411.3	1410.8	1414.1	1421.3	1424.8	1417.1	1409.4	1417.1	1424.8	1421.3
5°	1421.1	1418.5	1417.3	1420.1	1427.2	1429.8	1418.9	1408.0	1418.9	1429.8	1427.2
7.5°	1445.0	1440.1	1436.4	1436.3	1439.9	1438.7	1423.2	1407.7	1423.2	1438.7	1439.9
10°	1446.3	1443.5	1442.9	1443.9	1446.4	1443.7	1425.1	1406.5	1425.1	1443.7	1446.4
12.5°	1424.5	1423.9	1424.8	1430.4	1440.7	1442.9	1421.3	1399.6	1421.3	1442.9	1440.7
15°	1391.4	1389.2	1387.3	1397.5	1420.0	1430.4	1404.8	1379.1	1404.8	1430.4	1420.0
17.5°	1372.3	1365.5	1358.6	1365.9	1387.3	1396.6	1369.8	1343.0	1369.8	1396.6	1387.3
20°	1363.1	1353.6	1344.6	1348.8	1366.1	1372.5	1346.2	1320.0	1346.2	1372.5	1366.1
22.5°	1358.3	1345.2	1332.6	1333.4	1347.7	1351.8	1325.5	1299.2	1325.5	1351.8	1347.7
25°	1357.3	1337.3	1316.1	1309.1	1316.1	1315.6	1292.6	1269.5	1292.6	1315.6	1316.1
27.5°	1352.9	1328.5	1299.9	1281.9	1274.5	1265.5	1251.9	1238.3	1251.9	1265.5	1274.5
30°	1332.6	1312.7	1287.7	1265.6	1246.4	1229.7	1220.7	1211.8	1220.7	1229.7	1246.4
32.5°	1289.7	1281.2	1268.0	1246.6	1217.2	1193.7	1188.3	1182.9	1188.3	1193.7	1217.2
35°	1205.8	1216.6	1226.8	1212.7	1174.3	1144.3	1139.8	1135.3	1139.8	1144.3	1174.3
37.5°	1094.9	1120.9	1150.9	1151.1	1121.7	1097.2	1088.0	1078.8	1088.0	1097.2	1121.7
40°	1004.4	1042.0	1086.9	1101.0	1084.3	1068.0	1052.6	1037.2	1052.6	1068.0	1084.3
42.5°	900.7	948.5	1005.7	1036.0	1039.3	1035.7	1011.1	986.4	1011.1	1035.7	1039.3
45°	753.3	805.4	867.6	917.0	953.5	972.6	939.3	905.9	939.3	972.6	953.5
47.5°	624.4	671.2	726.7	784.2	843.5	879.5	845.3	811.0	845.3	879.5	843.5
50°	545.5	590.0	641.9	699.7	763.1	803.8	776.3	748.7	776.3	803.8	763.1
52.5°	472.1	516.2	568.1	624.3	684.6	725.0	705.1	685.2	705.1	725.0	684.6
55°	375.9	416.4	465.8	517.1	570.3	607.6	597.4	587.1	597.4	607.6	570.3
57.5°	303.8	337.9	379.8	425.4	474.8	510.2	503.7	497.1	503.7	510.2	474.8
60°	266.2	292.8	325.5	366.6	415.9	451.8	447.4	442.9	447.4	451.8	415.9
62.5°	234.4	255.5	281.6	318.2	365.5	400.2	396.7	393.2	396.7	400.2	365.5
65°	193.6	209.7	229.5	259.7	300.1	329.5	326.3	323.1	326.3	329.5	300.1
67.5°	160.8	173.6	189.2	213.5	246.5	270.8	269.1	267.5	269.1	270.8	246.5
70°	139.1	150.5	164.6	186.1	214.9	236.4	235.8	235.1	235.8	236.4	214.9
72.5°	120.9	130.1	141.7	160.1	185.3	204.5	205.4	206.3	205.4	204.5	185.3
75°	94.9	101.0	108.7	122.8	143.3	159.2	161.1	163.0	161.1	159.2	143.3
77.5°	73.3	75.2	77.8	87.5	104.4	117.7	119.7	121.8	119.7	117.7	104.4
80°	60.6	60.6	60.6	67.0	79.8	90.1	92.6	95.2	92.6	90.1	79.8
82.5°	46.6	46.7	46.7	50.3	57.5	63.8	67.4	71.0	67.4	63.8	57.5
85°	18.3	21.6	25.5	27.4	27.4	28.2	31.4	34.6	31.4	28.2	27.4
87.5°	4.9	4.8	4.8	6.0	8.4	10.0	9.7	9.4	9.7	10.0	8.5
90°	7.0	6.7	6.7	6.4	5.4	4.0	2.3	1.0	2.3	3.7	6.0
92.5°	8.4	8.3	7.8	7.2	5.9	5.9	5.8	3.7	6.4	9.0	13.0
95°	7.7	7.7	9.0	11.4	16.7	17.1	11.4	10.4	14.7	20.8	26.1
97.5°	20.8	24.8	30.4	31.5	29.8	22.2	21.3	19.8	27.0	33.0	41.6
100°	38.5	43.5	47.6	39.5	31.1	30.8	28.8	28.1	35.8	41.5	49.9
102.5°	60.2	61.8	47.8	43.3	41.3	39.9	36.8	36.4	44.1	52.0	59.0
105°	65.3	58.6	58.9	58.9	57.6	54.9	49.2	48.9	57.6	66.6	75.3
107.5°	76.8	77.8	79.6	79.2	77.6	70.5	63.8	62.2	70.1	80.9	90.5
110°	92.1	93.1	93.8	93.1	90.8	81.7	73.7	71.3	78.4	89.7	100.1



TEST NUMBER: P1428189

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	106.8	107.6	109.0	107.0	103.1	92.7	83.6	80.2	87.2	98.9	109.5
115°	130.3	130.3	130.6	129.6	121.6	110.8	98.8	93.8	99.8	110.5	122.2
117.5°	153.3	153.7	152.4	149.7	140.4	127.9	114.4	106.4	111.1	122.4	134.5
120°	167.8	168.4	167.1	163.1	154.0	140.0	124.6	115.2	118.9	129.9	142.0
122.5°	182.8	182.6	181.0	176.5	165.8	151.2	136.1	124.6	126.1	136.4	148.2
125°	203.6	203.3	201.9	196.6	185.5	170.5	152.7	138.6	136.6	145.3	157.4
127.5°	223.4	222.7	220.6	214.1	202.8	188.3	168.8	152.8	148.4	153.8	164.9
130°	237.1	236.1	232.4	225.4	214.3	200.6	180.8	162.8	156.4	159.7	169.4
132.5°	250.2	247.3	244.2	236.6	226.4	212.1	192.1	173.2	164.4	165.9	173.5
135°	266.9	264.2	260.2	252.8	243.1	229.1	209.0	188.5	176.5	175.1	179.5
137.5°	281.6	278.8	274.2	267.8	258.1	245.5	226.2	204.7	189.5	185.0	186.7
140°	290.7	287.3	283.3	276.9	268.2	255.2	236.4	215.7	198.6	192.2	191.2
142.5°	298.2	295.6	291.3	285.5	277.9	264.8	246.6	226.1	208.0	199.7	197.4
145°	309.4	307.4	302.7	297.4	291.0	277.9	261.2	240.8	222.7	212.0	207.0
147.5°	318.9	317.3	313.6	307.4	302.0	289.5	274.2	256.1	237.6	224.3	217.8
150°	324.8	323.5	319.8	313.8	308.4	296.7	282.0	265.2	247.5	233.4	225.0
152.5°	330.5	329.1	324.9	318.9	314.3	303.4	290.0	274.1	256.0	242.0	233.3
155°	337.9	336.2	332.2	326.5	322.5	312.4	300.1	286.0	270.6	255.8	246.1
157.5°	343.8	341.7	338.0	333.1	328.8	319.5	308.8	296.6	283.2	269.1	259.2
160°	347.3	344.9	340.9	336.6	332.5	323.8	314.1	303.1	290.7	277.9	267.2
162.5°	349.7	347.6	342.8	339.0	335.5	327.6	318.4	308.4	297.4	286.3	276.3
165°	352.3	349.9	344.9	341.9	338.9	332.2	324.2	316.1	306.7	297.7	289.7
167.5°	352.5	350.6	345.5	342.6	340.4	334.6	328.1	322.0	314.7	307.6	300.9
170°	352.0	350.3	345.3	342.6	340.9	336.2	330.5	325.2	319.5	313.4	308.1
172.5°	350.1	348.4	343.7	341.5	340.6	336.5	331.9	327.8	323.0	318.5	314.3
175°	345.3	343.9	339.9	338.6	338.9	336.2	332.9	330.5	327.5	324.8	322.5
177.5°	338.2	337.4	334.5	334.5	335.5	333.9	332.9	331.8	330.5	329.7	328.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1428189

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1414.1	1410.8	1411.3	1412.1	1413.6	1415.2	1413.6	1412.1	1411.3	1410.8	1414.1
5°	1420.1	1417.3	1418.5	1421.1	1427.5	1433.9	1427.5	1421.1	1418.5	1417.3	1420.1
7.5°	1436.3	1436.4	1440.1	1445.0	1453.4	1461.9	1453.4	1445.0	1440.1	1436.4	1436.3
10°	1443.9	1442.9	1443.5	1446.3	1455.2	1464.2	1455.2	1446.3	1443.5	1442.9	1443.9
12.5°	1430.4	1424.8	1423.9	1424.5	1429.3	1434.2	1429.3	1424.5	1423.9	1424.8	1430.4
15°	1397.5	1387.3	1389.2	1391.4	1394.7	1397.9	1394.7	1391.4	1389.2	1387.3	1397.5
17.5°	1365.9	1358.6	1365.5	1372.3	1378.6	1384.9	1378.6	1372.3	1365.5	1358.6	1365.9
20°	1348.8	1344.6	1353.6	1363.1	1374.0	1384.9	1374.0	1363.1	1353.6	1344.6	1348.8
22.5°	1333.4	1332.6	1345.2	1358.3	1373.3	1388.3	1373.3	1358.3	1345.2	1332.6	1333.4
25°	1309.1	1316.1	1337.3	1357.3	1374.0	1390.6	1374.0	1357.3	1337.3	1316.1	1309.1
27.5°	1281.9	1299.9	1328.5	1352.9	1364.6	1376.2	1364.6	1352.9	1328.5	1299.9	1281.9
30°	1265.6	1287.7	1312.7	1332.6	1337.1	1341.6	1337.1	1332.6	1312.7	1287.7	1265.6
32.5°	1246.6	1268.0	1281.2	1289.7	1283.9	1278.1	1283.9	1289.7	1281.2	1268.0	1246.6
35°	1212.7	1226.8	1216.6	1205.8	1193.7	1181.5	1193.7	1205.8	1216.6	1226.8	1212.7
37.5°	1151.1	1150.9	1120.9	1094.9	1080.9	1066.9	1080.9	1094.9	1120.9	1150.9	1151.1
40°	1101.0	1086.9	1042.0	1004.4	988.3	972.3	988.3	1004.4	1042.0	1086.9	1101.0
42.5°	1036.0	1005.7	948.5	900.7	881.1	861.5	881.1	900.7	948.5	1005.7	1036.0
45°	917.0	867.6	805.4	753.3	731.5	709.7	731.5	753.3	805.4	867.6	917.0
47.5°	784.2	726.7	671.2	624.4	604.1	583.7	604.1	624.4	671.2	726.7	784.2
50°	699.7	641.9	590.0	545.5	523.0	500.6	523.0	545.5	590.0	641.9	699.7
52.5°	624.3	568.1	516.2	472.1	451.7	431.3	451.7	472.1	516.2	568.1	624.3
55°	517.1	465.8	416.4	375.9	361.8	347.7	361.8	375.9	416.4	465.8	517.1
57.5°	425.4	379.8	337.9	303.8	293.4	283.0	293.4	303.8	337.9	379.8	425.4
60°	366.6	325.5	292.8	266.2	257.9	249.6	257.9	266.2	292.8	325.5	366.6
62.5°	318.2	281.6	255.5	234.4	228.2	221.9	228.2	234.4	255.5	281.6	318.2
65°	259.7	229.5	209.7	193.6	189.1	184.7	189.1	193.6	209.7	229.5	259.7
67.5°	213.5	189.2	173.6	160.8	156.6	152.3	156.6	160.8	173.6	189.2	213.5
70°	186.1	164.6	150.5	139.1	135.9	132.7	135.9	139.1	150.5	164.6	186.1
72.5°	160.1	141.7	130.1	120.9	118.7	116.6	118.7	120.9	130.1	141.7	160.1
75°	122.8	108.7	101.0	94.9	93.6	92.3	93.6	94.9	101.0	108.7	122.8
77.5°	87.5	77.8	75.2	73.3	73.3	73.3	73.3	73.3	75.2	77.8	87.5
80°	67.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	67.0
82.5°	50.3	46.7	46.7	46.6	46.1	45.6	46.1	46.6	46.7	46.7	50.3
85°	27.4	25.5	21.6	18.3	16.3	14.4	16.3	18.3	21.6	25.5	27.4
87.5°	6.3	5.5	5.9	6.2	6.5	6.3	6.5	6.2	5.9	5.5	6.3
90°	7.7	10.0	12.4	13.7	15.1	14.4	15.1	13.7	12.4	10.0	7.7
92.5°	15.5	19.4	22.3	24.7	25.8	25.7	25.8	24.7	22.3	19.4	15.5
95°	31.1	35.8	40.5	43.9	45.9	45.2	45.9	43.9	40.5	35.8	31.1
97.5°	48.0	54.3	59.5	62.7	64.7	66.0	64.7	62.7	59.5	54.3	48.0
100°	59.3	65.3	71.3	75.0	78.4	79.7	78.4	75.0	71.3	65.3	59.3
102.5°	68.4	76.3	82.8	86.8	89.6	91.0	89.6	86.8	82.8	76.3	68.4
105°	83.4	91.8	98.8	103.8	106.8	107.8	106.8	103.8	98.8	91.8	83.4
107.5°	98.4	107.0	113.5	119.1	122.8	124.9	122.8	119.1	113.5	107.0	98.4
110°	110.2	117.2	124.2	129.3	132.9	134.3	132.9	129.3	124.2	117.2	110.2



TEST NUMBER: P1428189

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	120.1	127.9	135.0	140.0	144.2	146.1	144.2	140.0	135.0	127.9	120.1
115°	134.0	144.3	150.7	155.4	158.4	160.1	158.4	155.4	150.7	144.3	134.0
117.5°	145.5	156.3	163.3	166.9	168.3	169.5	168.3	166.9	163.3	156.3	145.5
120°	152.7	162.8	170.8	175.5	177.2	177.8	177.2	175.5	170.8	162.8	152.7
122.5°	159.4	168.9	176.7	182.4	185.2	185.9	185.2	182.4	176.7	168.9	159.4
125°	168.8	177.8	185.9	191.6	194.6	196.2	194.6	191.6	185.9	177.8	168.8
127.5°	176.9	186.7	194.1	199.3	202.2	203.5	202.2	199.3	194.1	186.7	176.9
130°	181.5	191.6	198.9	204.6	207.3	208.6	207.3	204.6	198.9	191.6	181.5
132.5°	185.0	195.6	203.2	208.4	211.3	212.6	211.3	208.4	203.2	195.6	185.0
135°	189.2	200.3	208.3	213.3	216.0	217.3	216.0	213.3	208.3	200.3	189.2
137.5°	192.9	202.9	211.3	216.6	219.0	219.9	219.0	216.6	211.3	202.9	192.9
140°	195.6	204.3	212.6	217.7	220.4	220.7	220.4	217.7	212.6	204.3	195.6
142.5°	199.1	205.9	213.2	218.2	220.9	221.5	220.9	218.2	213.2	205.9	199.1
145°	205.3	209.3	214.3	219.0	221.4	222.0	221.4	219.0	214.3	209.3	205.3
147.5°	213.1	214.4	217.0	220.1	222.4	222.8	222.4	220.1	217.0	214.4	213.1
150°	219.0	218.7	219.7	221.7	223.7	223.4	223.7	221.7	219.7	218.7	219.0
152.5°	225.7	223.8	223.7	224.6	225.6	225.5	225.6	224.6	223.7	223.8	225.7
155°	237.1	233.4	231.4	230.7	230.7	230.4	230.7	230.7	231.4	233.4	237.1
157.5°	249.6	244.5	241.4	239.8	239.4	238.6	239.4	239.8	241.4	244.5	249.6
160°	258.2	252.5	249.5	246.8	245.8	244.8	245.8	246.8	249.5	252.5	258.2
162.5°	266.2	260.8	257.5	255.1	254.1	252.6	254.1	255.1	257.5	260.8	266.2
165°	279.3	273.6	269.9	267.9	266.6	265.2	266.6	267.9	269.9	273.6	279.3
167.5°	292.3	286.1	283.7	281.4	280.2	277.7	280.2	281.4	283.7	286.1	292.3
170°	300.4	294.7	293.4	291.3	289.0	286.3	289.0	291.3	293.4	294.7	300.4
172.5°	307.4	303.5	302.2	300.2	299.4	297.3	299.4	300.2	302.2	303.5	307.4
175°	317.5	314.5	314.5	314.1	313.1	311.1	313.1	314.1	314.5	314.5	317.5
177.5°	325.9	324.3	325.4	325.4	325.1	323.2	325.1	325.4	325.4	324.3	325.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1428189

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1415.2	1415.2	1415.2	1415.2
2.5°	1421.3	1424.8	1417.1	1409.4
5°	1427.2	1429.8	1418.9	1408.0
7.5°	1439.9	1438.7	1423.2	1407.7
10°	1446.4	1443.7	1425.1	1406.5
12.5°	1440.7	1442.9	1421.3	1399.6
15°	1420.0	1430.4	1404.8	1379.1
17.5°	1387.3	1396.6	1369.8	1343.0
20°	1366.1	1372.5	1346.2	1320.0
22.5°	1347.7	1351.8	1325.5	1299.2
25°	1316.1	1315.6	1292.6	1269.5
27.5°	1274.5	1265.5	1251.9	1238.3
30°	1246.4	1229.7	1220.7	1211.8
32.5°	1217.2	1193.7	1188.3	1182.9
35°	1174.3	1144.3	1139.8	1135.3
37.5°	1121.7	1097.2	1088.0	1078.8
40°	1084.3	1068.0	1052.6	1037.2
42.5°	1039.3	1035.7	1011.1	986.4
45°	953.5	972.6	939.3	905.9
47.5°	843.5	879.5	845.3	811.0
50°	763.1	803.8	776.3	748.7
52.5°	684.6	725.0	705.1	685.2
55°	570.3	607.6	597.4	587.1
57.5°	474.8	510.2	503.7	497.1
60°	415.9	451.8	447.4	442.9
62.5°	365.5	400.2	396.7	393.2
65°	300.1	329.5	326.3	323.1
67.5°	246.5	270.8	269.1	267.5
70°	214.9	236.4	235.8	235.1
72.5°	185.3	204.5	205.4	206.3
75°	143.3	159.2	161.1	163.0
77.5°	104.4	117.7	119.7	121.8
80°	79.8	90.1	92.6	95.2
82.5°	57.5	63.8	67.4	71.0
85°	27.4	28.2	31.4	34.6
87.5°	8.5	10.0	9.7	9.4
90°	6.0	3.7	2.3	1.0
92.5°	13.0	9.0	6.4	3.7
95°	26.1	20.8	14.7	10.4
97.5°	41.6	33.0	27.0	19.8
100°	49.9	41.5	35.8	28.1
102.5°	59.0	52.0	44.1	36.4
105°	75.3	66.6	57.6	48.9
107.5°	90.5	80.9	70.1	62.2
110°	100.1	89.7	78.4	71.3



TEST NUMBER: P1428189

CATALOG NUMBER: SQ2W-PR1-K-025U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	109.5	98.9	87.2	80.2
115°	122.2	110.5	99.8	93.8
117.5°	134.5	122.4	111.1	106.4
120°	142.0	129.9	118.9	115.2
122.5°	148.2	136.4	126.1	124.6
125°	157.4	145.3	136.6	138.6
127.5°	164.9	153.8	148.4	152.8
130°	169.4	159.7	156.4	162.8
132.5°	173.5	165.9	164.4	173.2
135°	179.5	175.1	176.5	188.5
137.5°	186.7	185.0	189.5	204.7
140°	191.2	192.2	198.6	215.7
142.5°	197.4	199.7	208.0	226.1
145°	207.0	212.0	222.7	240.8
147.5°	217.8	224.3	237.6	256.1
150°	225.0	233.4	247.5	265.2
152.5°	233.3	242.0	256.0	274.1
155°	246.1	255.8	270.6	286.0
157.5°	259.2	269.1	283.2	296.6
160°	267.2	277.9	290.7	303.1
162.5°	276.3	286.3	297.4	308.4
165°	289.7	297.7	306.7	316.1
167.5°	300.9	307.6	314.7	322.0
170°	308.1	313.4	319.5	325.2
172.5°	314.3	318.5	323.0	327.8
175°	322.5	324.8	327.5	330.5
177.5°	328.9	329.7	330.5	331.8
180°	331.5	331.5	331.5	331.5



TEST NUMBER: P1428189
 CATALOG NUMBER: SQ2W-PR1-K-025U-075D-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	19.85	20.95	20.53	21.65	22.46	16.21	17.32	16.90	18.02	18.83
	3H	21.07	22.06	21.77	22.77	23.61	17.40	18.39	18.09	19.09	19.94
	4H	21.57	22.50	22.29	23.21	24.07	17.87	18.80	18.59	19.52	20.38
	6H	21.88	22.73	22.61	23.46	24.33	18.23	19.08	18.96	19.81	20.68
	8H	21.99	22.80	22.73	23.55	24.42	18.37	19.18	19.11	19.93	20.80
	12H	22.04	22.81	22.78	23.55	24.45	18.41	19.18	19.15	19.92	20.82
4H	2H	19.98	20.91	20.70	21.63	22.48	16.96	17.89	17.68	18.60	19.46
	3H	21.46	22.23	22.20	22.99	23.86	18.34	19.10	19.07	19.86	20.73
	4H	22.10	22.80	22.85	23.55	24.46	18.89	19.59	19.64	20.34	21.25
	6H	22.55	23.15	23.31	23.93	24.84	19.34	19.94	20.10	20.72	21.63
	8H	22.71	23.27	23.48	24.04	24.97	19.52	20.08	20.29	20.86	21.79
	12H	22.79	23.29	23.58	24.09	25.02	19.58	20.08	20.37	20.88	21.81
8H	4H	22.14	22.70	22.91	23.48	24.41	19.23	19.79	20.00	20.57	21.50
	6H	22.68	23.15	23.48	23.97	24.89	19.78	20.25	20.58	21.06	21.99
	8H	22.92	23.33	23.73	24.15	25.09	20.04	20.46	20.86	21.28	22.22
	12H	23.05	23.41	23.86	24.22	25.22	20.15	20.51	20.96	21.32	22.32
12H	4H	22.11	22.62	22.90	23.41	24.35	19.26	19.77	20.05	20.57	21.50
	6H	22.67	23.09	23.49	23.90	24.85	19.85	20.27	20.67	21.09	22.03
	8H	22.93	23.30	23.75	24.11	25.11	20.15	20.52	20.97	21.33	22.33