

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: P1428378

Luminaire Tested: SQ2W-PW1-K-050U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428378  
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-L835-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: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

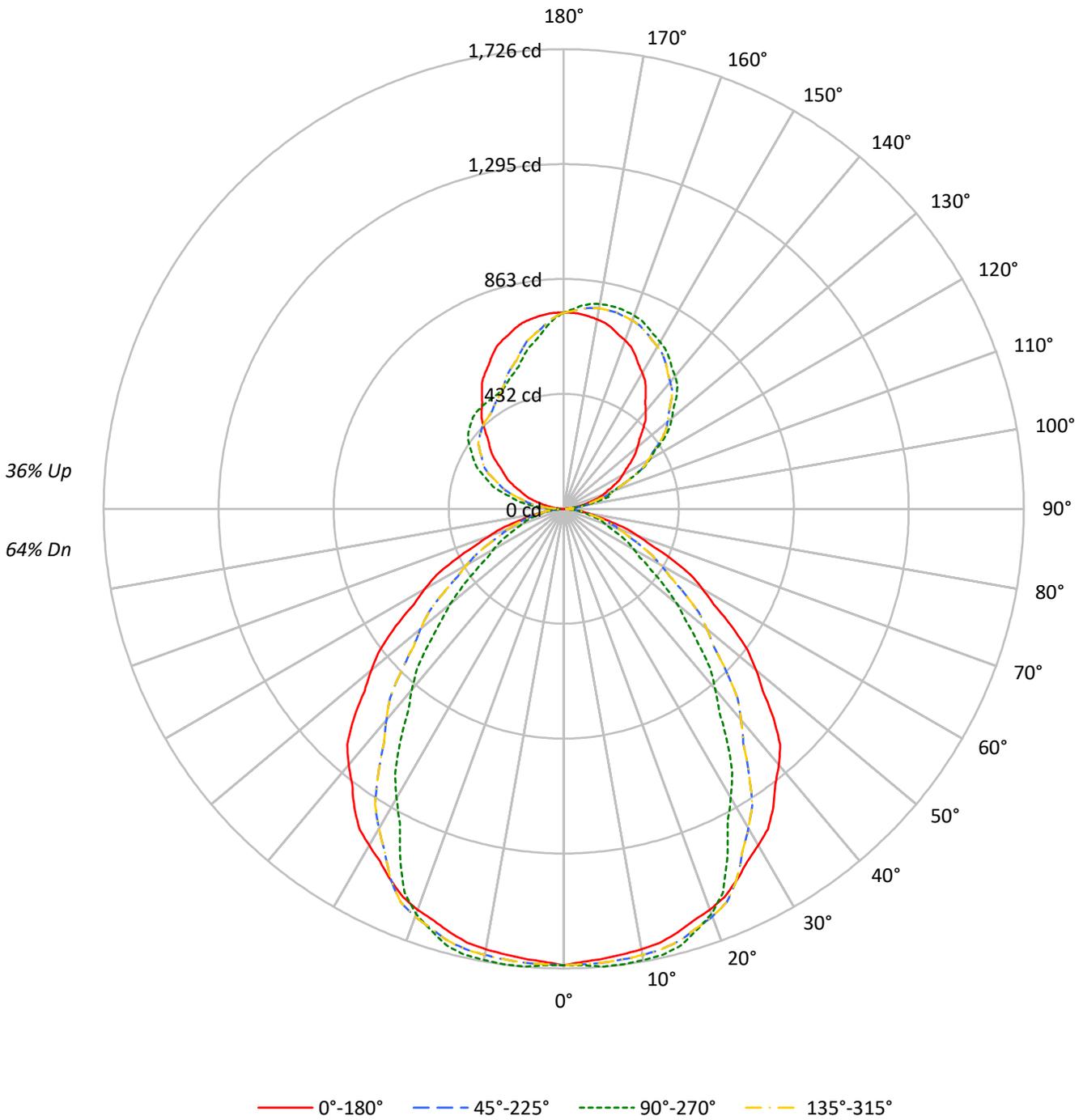
Lumens per Lamp: N/A  
Luminaire Lumens: 5957.5 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

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

TEST NUMBER: P1428378

CATALOG NUMBER: SQ2W-PW1-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	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°	27675	27675	27675	27675
5°	27491	27967	27491	27967
10°	27541	28210	27541	28210
15°	27533	28379	27533	28379
20°	27544	27826	27544	27826
25°	27395	25854	27395	25854
30°	27210	23375	27210	23375
35°	26997	21108	26997	21108
40°	26459	18649	26459	18649
45°	25423	16289	25423	16289
50°	23661	13943	23661	13943
55°	21644	11305	21644	11305
60°	19400	9752	19400	9752
65°	16962	8668	16962	8668
70°	13874	7860	13874	7860
75°	10792	7230	10792	7230
80°	8043	6378	8043	6378
85°	5446	3631	5446	3631

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 25423 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.2	2.7
10°-20°	472.9	7.9
20°-30°	696.0	11.7
30°-40°	761.0	12.8
40°-50°	682.7	11.5
50°-60°	509.2	8.5
60°-70°	321.8	5.4
70°-80°	159.5	2.7
80°-90°	40.4	0.7
90°-100°	58.6	1.0
100°-110°	171.0	2.9
110°-120°	279.0	4.7
120°-130°	354.0	5.9
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°	1332.1	22.4
0°-40°	2093.1	35.1
0°-60°	3285.0	55.1
0°-90°	3806.7	63.9
90°-120°	508.6	8.5
90°-150°	1595.3	26.8
90°-180°	2151.0	36.1
0°-180°	5957.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1714	1714	1714	1714	1714	
5°	1696	1726	1696	1726	1696	161
15°	1647	1698	1647	1698	1647	465
25°	1538	1451	1538	1451	1538	708
35°	1370	1071	1370	1071	1370	854
45°	1113	713	1113	713	1113	854
55°	769	402	769	402	769	687
65°	444	227	444	227	444	440
75°	173	116	173	116	173	191
85°	29	20	29	20	29	37
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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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1
2.5°	1702.4	1712.3	1722.1	1719.8	1713.4	1710.5	1711.1	1712.0	1713.7	1715.5	1713.7
5°	1696.2	1708.5	1720.9	1719.0	1712.5	1709.6	1710.3	1712.5	1719.0	1725.6	1719.0
7.5°	1687.7	1700.2	1712.7	1712.1	1707.1	1705.9	1708.4	1711.8	1718.2	1724.6	1718.2
10°	1679.9	1692.9	1706.0	1706.0	1701.6	1701.3	1704.9	1709.1	1714.9	1720.7	1714.9
12.5°	1669.4	1683.1	1696.7	1697.7	1694.5	1695.0	1699.2	1703.8	1709.6	1715.5	1709.6
15°	1647.2	1661.7	1676.2	1679.3	1678.6	1680.8	1685.8	1690.6	1694.2	1697.8	1694.2
17.5°	1621.4	1635.9	1650.4	1653.3	1652.3	1652.4	1653.7	1655.2	1656.9	1658.6	1656.9
20°	1603.1	1617.6	1632.2	1634.2	1632.0	1628.3	1623.3	1619.5	1619.5	1619.5	1619.5
22.5°	1577.0	1592.7	1608.4	1608.5	1603.4	1594.0	1580.2	1568.7	1564.0	1559.4	1564.0
25°	1537.8	1553.1	1568.3	1561.2	1546.7	1525.3	1497.0	1473.1	1462.2	1451.3	1462.2
27.5°	1492.1	1504.5	1516.8	1498.3	1469.6	1435.1	1394.9	1361.0	1345.9	1330.8	1345.9
30°	1459.5	1468.9	1478.3	1449.1	1407.1	1363.9	1319.6	1282.8	1268.3	1253.8	1268.3
32.5°	1425.5	1429.1	1432.8	1394.3	1341.8	1292.5	1246.5	1208.1	1192.4	1176.7	1192.4
35°	1369.7	1363.2	1356.6	1305.5	1239.4	1183.2	1136.8	1098.5	1084.7	1070.9	1084.7
37.5°	1303.7	1284.3	1264.8	1207.2	1136.8	1077.3	1028.7	988.4	973.2	958.0	973.2
40°	1255.4	1227.8	1200.3	1138.4	1065.1	1004.2	955.6	915.3	900.1	884.8	900.1
42.5°	1201.9	1167.3	1132.8	1069.2	995.9	935.0	886.3	845.9	830.1	814.3	830.1
45°	1113.4	1072.7	1032.1	965.9	891.2	830.2	783.1	743.9	728.6	713.4	728.6
47.5°	1013.8	973.5	933.1	867.1	792.5	732.3	686.6	649.1	636.0	623.0	636.0
50°	942.0	902.8	863.6	800.5	729.4	671.0	625.3	587.0	571.0	555.1	571.0
52.5°	868.8	833.7	798.6	737.8	668.4	610.3	563.4	522.8	501.1	479.3	501.1
55°	768.9	735.5	702.2	644.8	579.5	520.8	468.5	426.3	413.9	401.6	413.9
57.5°	666.1	637.2	608.3	556.8	497.7	444.5	397.0	358.9	348.7	338.6	348.7
60°	600.8	575.4	550.0	500.6	443.3	394.7	354.8	322.3	312.2	302.0	312.2
62.5°	538.1	515.6	493.1	445.8	390.2	346.5	314.7	288.8	280.4	272.0	280.4
65°	444.0	427.4	410.7	371.7	325.2	289.0	262.8	241.4	234.2	226.9	234.2
67.5°	352.6	343.3	334.0	304.8	269.0	239.6	216.7	198.3	193.5	188.7	193.5
70°	293.9	291.0	288.0	263.9	232.7	207.7	188.8	173.8	170.1	166.5	170.1
72.5°	242.9	244.1	245.2	225.2	198.0	177.1	162.3	150.6	148.1	145.6	148.1
75°	173.0	178.9	184.7	171.4	151.8	137.0	126.8	118.8	117.4	115.9	117.4
77.5°	117.9	126.6	135.3	126.7	112.3	101.4	93.8	87.9	86.7	85.5	86.7
80°	86.5	95.2	103.9	98.0	87.1	78.7	72.9	68.6	68.6	68.6	68.6
82.5°	60.4	67.4	74.3	70.1	62.1	56.7	53.8	51.6	51.6	51.6	51.6
85°	29.4	33.0	36.6	35.4	32.5	28.8	24.5	21.0	20.3	19.6	20.3
87.5°	8.3	10.6	13.1	12.0	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	17.3	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



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**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



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1
2.5°	1712.0	1711.1	1710.5	1713.4	1719.8	1722.1	1712.3	1702.4	1712.3	1722.1	1719.8
5°	1712.5	1710.3	1709.6	1712.5	1719.0	1720.9	1708.5	1696.2	1708.5	1720.9	1719.0
7.5°	1711.8	1708.4	1705.9	1707.1	1712.1	1712.7	1700.2	1687.7	1700.2	1712.7	1712.1
10°	1709.1	1704.9	1701.3	1701.6	1706.0	1706.0	1692.9	1679.9	1692.9	1706.0	1706.0
12.5°	1703.8	1699.2	1695.0	1694.5	1697.7	1696.7	1683.1	1669.4	1683.1	1696.7	1697.7
15°	1690.6	1685.8	1680.8	1678.6	1679.3	1676.2	1661.7	1647.2	1661.7	1676.2	1679.3
17.5°	1655.2	1653.7	1652.4	1652.3	1653.3	1650.4	1635.9	1621.4	1635.9	1650.4	1653.3
20°	1619.5	1623.3	1628.3	1632.0	1634.2	1632.2	1617.6	1603.1	1617.6	1632.2	1634.2
22.5°	1568.7	1580.2	1594.0	1603.4	1608.5	1608.4	1592.7	1577.0	1592.7	1608.4	1608.5
25°	1473.1	1497.0	1525.3	1546.7	1561.2	1568.3	1553.1	1537.8	1553.1	1568.3	1561.2
27.5°	1361.0	1394.9	1435.1	1469.6	1498.3	1516.8	1504.5	1492.1	1504.5	1516.8	1498.3
30°	1282.8	1319.6	1363.9	1407.1	1449.1	1478.3	1468.9	1459.5	1468.9	1478.3	1449.1
32.5°	1208.1	1246.5	1292.5	1341.8	1394.3	1432.8	1429.1	1425.5	1429.1	1432.8	1394.3
35°	1098.5	1136.8	1183.2	1239.4	1305.5	1356.6	1363.2	1369.7	1363.2	1356.6	1305.5
37.5°	988.4	1028.7	1077.3	1136.8	1207.2	1264.8	1284.3	1303.7	1284.3	1264.8	1207.2
40°	915.3	955.6	1004.2	1065.1	1138.4	1200.3	1227.8	1255.4	1227.8	1200.3	1138.4
42.5°	845.9	886.3	935.0	995.9	1069.2	1132.8	1167.3	1201.9	1167.3	1132.8	1069.2
45°	743.9	783.1	830.2	891.2	965.9	1032.1	1072.7	1113.4	1072.7	1032.1	965.9
47.5°	649.1	686.6	732.3	792.5	867.1	933.1	973.5	1013.8	973.5	933.1	867.1
50°	587.0	625.3	671.0	729.4	800.5	863.6	902.8	942.0	902.8	863.6	800.5
52.5°	522.8	563.4	610.3	668.4	737.8	798.6	833.7	868.8	833.7	798.6	737.8
55°	426.3	468.5	520.8	579.5	644.8	702.2	735.5	768.9	735.5	702.2	644.8
57.5°	358.9	397.0	444.5	497.7	556.8	608.3	637.2	666.1	637.2	608.3	556.8
60°	322.3	354.8	394.7	443.3	500.6	550.0	575.4	600.8	575.4	550.0	500.6
62.5°	288.8	314.7	346.5	390.2	445.8	493.1	515.6	538.1	515.6	493.1	445.8
65°	241.4	262.8	289.0	325.2	371.7	410.7	427.4	444.0	427.4	410.7	371.7
67.5°	198.3	216.7	239.6	269.0	304.8	334.0	343.3	352.6	343.3	334.0	304.8
70°	173.8	188.8	207.7	232.7	263.9	288.0	291.0	293.9	291.0	288.0	263.9
72.5°	150.6	162.3	177.1	198.0	225.2	245.2	244.1	242.9	244.1	245.2	225.2
75°	118.8	126.8	137.0	151.8	171.4	184.7	178.9	173.0	178.9	184.7	171.4
77.5°	87.9	93.8	101.4	112.3	126.7	135.3	126.6	117.9	126.6	135.3	126.7
80°	68.6	72.9	78.7	87.1	98.0	103.9	95.2	86.5	95.2	103.9	98.0
82.5°	51.6	53.8	56.7	62.1	70.1	74.3	67.4	60.4	67.4	74.3	70.1
85°	21.0	24.5	28.8	32.5	35.4	36.6	33.0	29.4	33.0	36.6	35.4
87.5°	7.0	7.3	7.9	9.5	12.0	13.1	10.6	8.3	10.6	13.0	12.3
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: P1428378

CATALOG NUMBER: SQ2W-PW1-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: P1428378

CATALOG NUMBER: SQ2W-PW1-K-050U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1
2.5°	1713.4	1710.5	1711.1	1712.0	1713.7	1715.5	1713.7	1712.0	1711.1	1710.5	1713.4
5°	1712.5	1709.6	1710.3	1712.5	1719.0	1725.6	1719.0	1712.5	1710.3	1709.6	1712.5
7.5°	1707.1	1705.9	1708.4	1711.8	1718.2	1724.6	1718.2	1711.8	1708.4	1705.9	1707.1
10°	1701.6	1701.3	1704.9	1709.1	1714.9	1720.7	1714.9	1709.1	1704.9	1701.3	1701.6
12.5°	1694.5	1695.0	1699.2	1703.8	1709.6	1715.5	1709.6	1703.8	1699.2	1695.0	1694.5
15°	1678.6	1680.8	1685.8	1690.6	1694.2	1697.8	1694.2	1690.6	1685.8	1680.8	1678.6
17.5°	1652.3	1652.4	1653.7	1655.2	1656.9	1658.6	1656.9	1655.2	1653.7	1652.4	1652.3
20°	1632.0	1628.3	1623.3	1619.5	1619.5	1619.5	1619.5	1619.5	1623.3	1628.3	1632.0
22.5°	1603.4	1594.0	1580.2	1568.7	1564.0	1559.4	1564.0	1568.7	1580.2	1594.0	1603.4
25°	1546.7	1525.3	1497.0	1473.1	1462.2	1451.3	1462.2	1473.1	1497.0	1525.3	1546.7
27.5°	1469.6	1435.1	1394.9	1361.0	1345.9	1330.8	1345.9	1361.0	1394.9	1435.1	1469.6
30°	1407.1	1363.9	1319.6	1282.8	1268.3	1253.8	1268.3	1282.8	1319.6	1363.9	1407.1
32.5°	1341.8	1292.5	1246.5	1208.1	1192.4	1176.7	1192.4	1208.1	1246.5	1292.5	1341.8
35°	1239.4	1183.2	1136.8	1098.5	1084.7	1070.9	1084.7	1098.5	1136.8	1183.2	1239.4
37.5°	1136.8	1077.3	1028.7	988.4	973.2	958.0	973.2	988.4	1028.7	1077.3	1136.8
40°	1065.1	1004.2	955.6	915.3	900.1	884.8	900.1	915.3	955.6	1004.2	1065.1
42.5°	995.9	935.0	886.3	845.9	830.1	814.3	830.1	845.9	886.3	935.0	995.9
45°	891.2	830.2	783.1	743.9	728.6	713.4	728.6	743.9	783.1	830.2	891.2
47.5°	792.5	732.3	686.6	649.1	636.0	623.0	636.0	649.1	686.6	732.3	792.5
50°	729.4	671.0	625.3	587.0	571.0	555.1	571.0	587.0	625.3	671.0	729.4
52.5°	668.4	610.3	563.4	522.8	501.1	479.3	501.1	522.8	563.4	610.3	668.4
55°	579.5	520.8	468.5	426.3	413.9	401.6	413.9	426.3	468.5	520.8	579.5
57.5°	497.7	444.5	397.0	358.9	348.7	338.6	348.7	358.9	397.0	444.5	497.7
60°	443.3	394.7	354.8	322.3	312.2	302.0	312.2	322.3	354.8	394.7	443.3
62.5°	390.2	346.5	314.7	288.8	280.4	272.0	280.4	288.8	314.7	346.5	390.2
65°	325.2	289.0	262.8	241.4	234.2	226.9	234.2	241.4	262.8	289.0	325.2
67.5°	269.0	239.6	216.7	198.3	193.5	188.7	193.5	198.3	216.7	239.6	269.0
70°	232.7	207.7	188.8	173.8	170.1	166.5	170.1	173.8	188.8	207.7	232.7
72.5°	198.0	177.1	162.3	150.6	148.1	145.6	148.1	150.6	162.3	177.1	198.0
75°	151.8	137.0	126.8	118.8	117.4	115.9	117.4	118.8	126.8	137.0	151.8
77.5°	112.3	101.4	93.8	87.9	86.7	85.5	86.7	87.9	93.8	101.4	112.3
80°	87.1	78.7	72.9	68.6	68.6	68.6	68.6	68.6	72.9	78.7	87.1
82.5°	62.1	56.7	53.8	51.6	51.6	51.6	51.6	51.6	53.8	56.7	62.1
85°	32.5	28.8	24.5	21.0	20.3	19.6	20.3	21.0	24.5	28.8	32.5
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°	34.4	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: P1428378

CATALOG NUMBER: SQ2W-PW1-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: P1428378

CATALOG NUMBER: SQ2W-PW1-K-050U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1714.1	1714.1	1714.1	1714.1
2.5°	1719.8	1722.1	1712.3	1702.4
5°	1719.0	1720.9	1708.5	1696.2
7.5°	1712.1	1712.7	1700.2	1687.7
10°	1706.0	1706.0	1692.9	1679.9
12.5°	1697.7	1696.7	1683.1	1669.4
15°	1679.3	1676.2	1661.7	1647.2
17.5°	1653.3	1650.4	1635.9	1621.4
20°	1634.2	1632.2	1617.6	1603.1
22.5°	1608.5	1608.4	1592.7	1577.0
25°	1561.2	1568.3	1553.1	1537.8
27.5°	1498.3	1516.8	1504.5	1492.1
30°	1449.1	1478.3	1468.9	1459.5
32.5°	1394.3	1432.8	1429.1	1425.5
35°	1305.5	1356.6	1363.2	1369.7
37.5°	1207.2	1264.8	1284.3	1303.7
40°	1138.4	1200.3	1227.8	1255.4
42.5°	1069.2	1132.8	1167.3	1201.9
45°	965.9	1032.1	1072.7	1113.4
47.5°	867.1	933.1	973.5	1013.8
50°	800.5	863.6	902.8	942.0
52.5°	737.8	798.6	833.7	868.8
55°	644.8	702.2	735.5	768.9
57.5°	556.8	608.3	637.2	666.1
60°	500.6	550.0	575.4	600.8
62.5°	445.8	493.1	515.6	538.1
65°	371.7	410.7	427.4	444.0
67.5°	304.8	334.0	343.3	352.6
70°	263.9	288.0	291.0	293.9
72.5°	225.2	245.2	244.1	242.9
75°	171.4	184.7	178.9	173.0
77.5°	126.7	135.3	126.6	117.9
80°	98.0	103.9	95.2	86.5
82.5°	70.1	74.3	67.4	60.4
85°	35.4	36.6	33.0	29.4
87.5°	12.3	13.0	10.6	8.3
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: P1428378

CATALOG NUMBER: SQ2W-PW1-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: P1428378  
 CATALOG NUMBER: SQ2W-PW1-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	19.66	20.61	20.50	21.46	22.53	15.91	16.86	16.75	17.71	18.77
	3H	20.97	21.82	21.82	22.68	23.77	17.19	18.04	18.04	18.90	19.99
	4H	21.38	22.18	22.25	23.05	24.15	17.70	18.50	18.56	19.37	20.47
	6H	21.57	22.30	22.45	23.18	24.29	18.01	18.75	18.89	19.62	20.74
	8H	21.61	22.31	22.50	23.21	24.32	18.13	18.83	19.01	19.72	20.83
	12H	21.62	22.28	22.51	23.17	24.31	18.16	18.83	19.05	19.71	20.85
4H	2H	19.80	20.60	20.68	21.47	22.57	16.73	17.53	17.60	18.40	19.50
	3H	21.35	22.02	22.23	22.92	24.03	18.19	18.85	19.07	19.75	20.87
	4H	21.90	22.50	22.80	23.40	24.54	18.77	19.37	19.66	20.27	21.41
	6H	22.22	22.74	23.13	23.66	24.80	19.16	19.68	20.07	20.60	21.74
	8H	22.31	22.80	23.22	23.71	24.87	19.31	19.79	20.22	20.71	21.87
	12H	22.34	22.77	23.27	23.71	24.87	19.36	19.79	20.29	20.73	21.89
8H	4H	21.95	22.43	22.86	23.35	24.50	19.12	19.60	20.03	20.52	21.67
	6H	22.37	22.77	23.31	23.73	24.89	19.61	20.01	20.55	20.97	22.13
	8H	22.54	22.90	23.49	23.85	25.02	19.83	20.19	20.78	21.14	22.31
	12H	22.62	22.94	23.57	23.88	25.10	19.92	20.23	20.87	21.17	22.40
12H	4H	21.91	22.35	22.84	23.28	24.44	19.14	19.58	20.07	20.51	21.67
	6H	22.37	22.72	23.31	23.67	24.84	19.69	20.04	20.64	20.99	22.17
	8H	22.56	22.87	23.51	23.81	25.04	19.94	20.25	20.89	21.19	22.41