

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: P1428635

Luminaire Tested: SQ2W-WBN-K-125U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428635
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBN-K-125U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

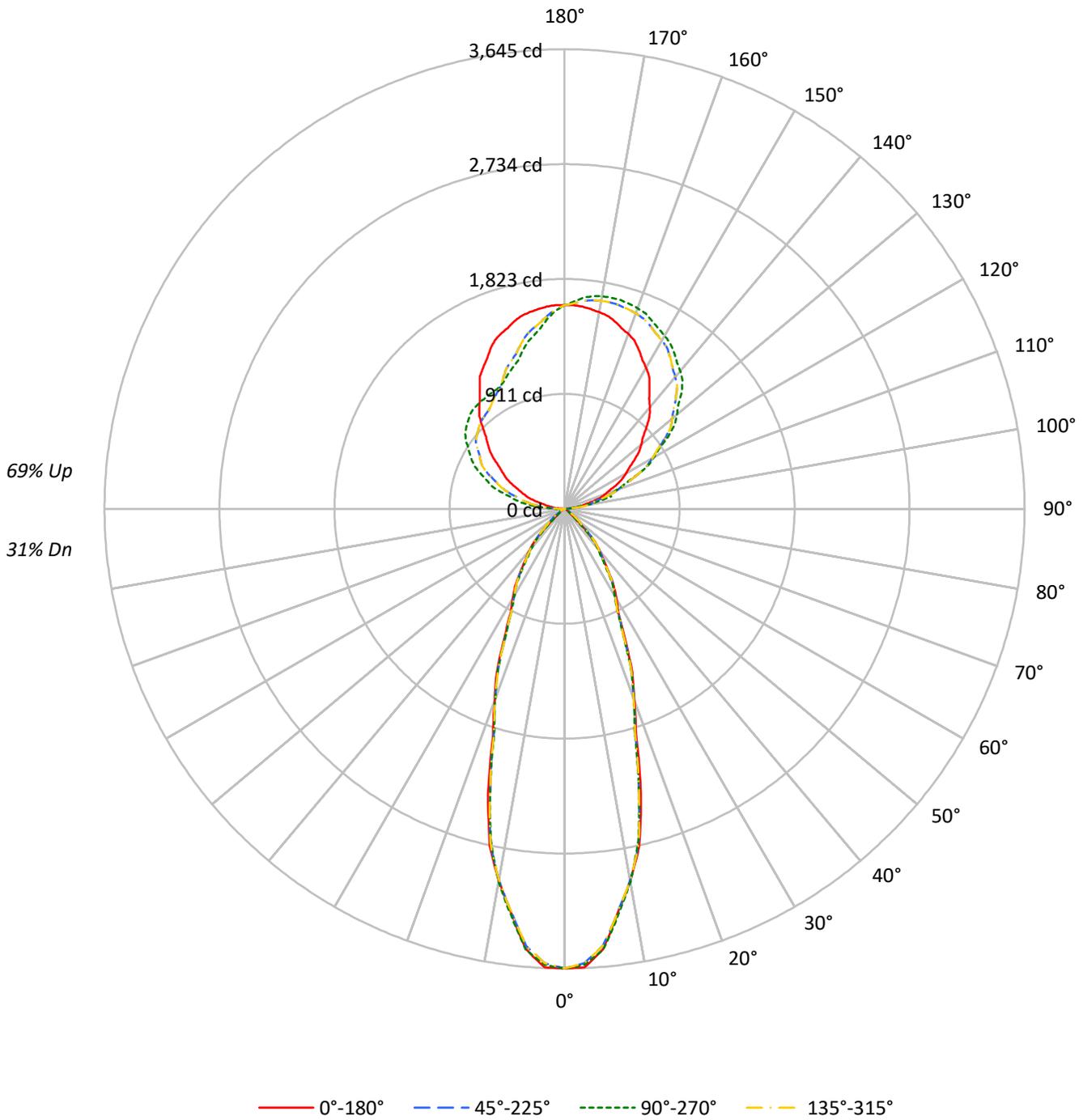
Lumens per Lamp: N/A
Luminaire Lumens: 6838.1 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 62.1
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31				
1	95	91	88	85	85	82	80	77	66	64	62	50	49	48	36	36	35	29				
2	88	82	76	72	79	74	70	66	59	57	54	46	44	43	34	33	32	27				
3	81	73	67	62	73	67	61	57	54	51	48	42	40	38	32	31	30	25				
4	75	66	59	54	68	60	55	50	49	45	42	39	37	35	30	28	27	23				
5	70	60	53	48	63	55	49	45	45	41	38	36	34	32	28	26	25	22				
6	65	55	48	43	59	50	44	40	42	37	34	34	31	29	26	25	23	20				
7	61	50	43	38	55	46	40	36	39	34	31	31	29	27	25	23	22	19				
8	57	46	39	35	52	43	37	33	36	32	29	29	27	24	23	22	20	18				
9	53	43	36	32	49	40	34	30	33	29	26	28	25	23	22	20	19	17				
10	50	40	33	29	46	37	31	28	31	27	24	26	23	21	21	19	18	16				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	58854	58854	58854	58854
5°	56824	56887	56824	56887
10°	49117	49233	49117	49233
15°	39085	38003	39085	38003
20°	27766	27599	27766	27599
25°	19976	19445	19976	19445
30°	15263	14816	15263	14816
35°	11982	11471	11982	11471
40°	9078	8519	9078	8519
45°	5078	4532	5078	4532
50°	1786	1575	1786	1575
55°	1092	1039	1092	1039
60°	836	772	836	772
65°	764	718	764	718
70°	732	670	732	670
75°	686	643	686	643
80°	604	604	604	604
85°	593	482	593	482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 6023 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.4	4.6
10°-20°	628.9	9.2
20°-30°	520.8	7.6
30°-40°	374.7	5.5
40°-50°	190.9	2.8
50°-60°	49.6	0.7
60°-70°	20.6	0.3
70°-80°	11.4	0.2
80°-90°	10.1	0.1
90°-100°	128.5	1.9
100°-110°	374.8	5.5
110°-120°	611.6	8.9
120°-130°	776.1	11.3
130°-140°	830.4	12.1
140°-150°	775.4	11.3
150°-160°	638.1	9.3
160°-170°	427.9	6.3
170°-180°	151.9	2.2
0°-30°	1466.1	21.4
0°-40°	1840.8	26.9
0°-60°	2081.2	30.4
0°-90°	2123.4	31.1
90°-120°	1114.9	16.3
90°-150°	3496.8	51.1
90°-180°	4715.0	69.0
0°-180°	6838.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3645	3645	3645	3645	3645	
5°	3506	3510	3506	3510	3506	316
15°	2338	2274	2338	2274	2338	635
25°	1121	1092	1121	1092	1121	527
35°	608	582	608	582	608	381
45°	222	198	222	198	222	178
55°	39	37	39	37	39	38
65°	20	19	20	19	20	20
75°	11	10	11	10	11	12
85°	3	3	3	3	3	3
90°	5	36	5	70	5	4
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2
2.5°	3639.5	3636.7	3634.0	3621.7	3606.3	3605.0	3617.9	3626.8	3623.6	3620.3	3623.6
5°	3506.1	3503.8	3501.5	3491.1	3477.8	3482.4	3504.8	3520.4	3515.2	3510.0	3515.2
7.5°	3230.8	3232.8	3234.7	3229.3	3221.5	3227.5	3247.4	3260.8	3255.3	3249.8	3255.3
10°	2995.9	3001.1	3006.3	2999.0	2987.5	2996.2	3025.2	3042.1	3022.6	3003.0	3022.6
12.5°	2736.8	2733.4	2730.1	2723.4	2715.6	2714.0	2718.6	2719.4	2708.6	2697.8	2708.6
15°	2338.3	2326.2	2314.1	2295.6	2274.9	2268.2	2275.3	2279.9	2276.8	2273.6	2276.8
17.5°	1883.4	1888.1	1892.7	1880.2	1861.9	1852.4	1851.7	1850.3	1846.8	1843.2	1846.8
20°	1616.0	1617.4	1618.9	1611.0	1600.1	1597.5	1603.3	1607.4	1606.9	1606.3	1606.9
22.5°	1400.8	1401.1	1401.3	1391.0	1377.1	1374.4	1382.9	1388.0	1382.8	1377.6	1382.8
25°	1121.3	1120.4	1119.6	1112.7	1103.8	1097.2	1092.8	1089.8	1090.7	1091.5	1090.7
27.5°	919.5	916.0	912.4	906.5	899.9	898.0	900.8	902.5	900.3	898.2	900.3
30°	818.7	815.8	812.9	807.0	800.1	797.5	799.3	799.9	797.3	794.7	797.3
32.5°	728.1	728.2	728.4	723.0	715.9	711.9	711.1	710.1	708.2	706.3	708.2
35°	607.9	609.6	611.3	607.0	600.7	595.3	591.0	587.2	584.6	582.0	584.6
37.5°	500.5	502.1	503.7	500.1	494.8	488.9	482.6	477.3	475.1	473.0	475.1
40°	430.7	431.8	433.0	430.5	426.7	421.1	413.6	407.6	405.9	404.2	405.9
42.5°	354.6	359.5	364.3	362.7	358.9	353.6	346.6	340.4	336.6	332.8	336.6
45°	222.4	237.7	252.9	259.7	263.8	261.9	254.1	242.8	220.7	198.5	220.7
47.5°	112.5	133.6	154.7	169.9	183.0	178.8	157.3	135.7	113.9	92.2	113.9
50°	71.1	85.8	100.4	119.0	138.8	134.5	106.1	82.3	72.5	62.7	72.5
52.5°	54.6	62.1	69.6	87.3	108.2	106.2	81.2	61.1	55.7	50.3	55.7
55°	38.8	41.7	44.5	54.3	66.4	65.7	52.2	41.5	39.2	36.9	39.2
57.5°	30.0	31.6	33.2	36.9	41.2	40.8	35.7	31.5	30.0	28.6	30.0
60°	25.9	27.0	28.2	30.0	32.0	31.7	29.1	26.8	25.4	23.9	25.4
62.5°	23.3	24.0	24.7	25.5	26.3	25.9	24.3	22.9	22.4	21.9	22.4
65°	20.0	20.3	20.6	20.7	20.7	20.4	19.8	19.3	19.0	18.8	19.0
67.5°	17.1	17.4	17.6	17.7	17.6	17.4	17.2	16.9	16.6	16.3	16.6
70°	15.5	15.8	16.1	16.0	15.7	15.4	15.1	14.8	14.5	14.2	14.5
72.5°	13.5	13.7	14.0	13.9	13.6	13.4	13.4	13.2	13.0	12.7	13.0
75°	11.0	11.0	11.0	11.0	11.0	10.8	10.6	10.3	10.3	10.3	10.3
77.5°	8.5	8.6	8.7	8.4	8.2	8.0	8.0	8.0	7.7	7.5	7.7
80°	6.5	6.8	7.0	6.9	6.6	6.5	6.5	6.5	6.5	6.5	6.5
82.5°	5.4	5.5	5.5	5.3	5.1	4.9	4.9	4.9	4.9	4.9	4.9
85°	3.2	3.2	3.2	3.0	2.7	2.7	3.0	3.2	2.9	2.6	2.9
87.5°	2.0	3.3	4.9	6.3	7.2	7.6	7.6	7.9	8.2	8.2	8.2
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2
2.5°	3626.8	3617.9	3605.0	3606.3	3621.7	3634.0	3636.7	3639.5	3636.7	3634.0	3621.7
5°	3520.4	3504.8	3482.4	3477.8	3491.1	3501.5	3503.8	3506.1	3503.8	3501.5	3491.1
7.5°	3260.8	3247.4	3227.5	3221.5	3229.3	3234.7	3232.8	3230.8	3232.8	3234.7	3229.3
10°	3042.1	3025.2	2996.2	2987.5	2999.0	3006.3	3001.1	2995.9	3001.1	3006.3	2999.0
12.5°	2719.4	2718.6	2714.0	2715.6	2723.4	2730.1	2733.4	2736.8	2733.4	2730.1	2723.4
15°	2279.9	2275.3	2268.2	2274.9	2295.6	2314.1	2326.2	2338.3	2326.2	2314.1	2295.6
17.5°	1850.3	1851.7	1852.4	1861.9	1880.2	1892.7	1888.1	1883.4	1888.1	1892.7	1880.2
20°	1607.4	1603.3	1597.5	1600.1	1611.0	1618.9	1617.4	1616.0	1617.4	1618.9	1611.0
22.5°	1388.0	1382.9	1374.4	1377.1	1391.0	1401.3	1401.1	1400.8	1401.1	1401.3	1391.0
25°	1089.8	1092.8	1097.2	1103.8	1112.7	1119.6	1120.4	1121.3	1120.4	1119.6	1112.7
27.5°	902.5	900.8	898.0	899.9	906.5	912.4	916.0	919.5	916.0	912.4	906.5
30°	799.9	799.3	797.5	800.1	807.0	812.9	815.8	818.7	815.8	812.9	807.0
32.5°	710.1	711.1	711.9	715.9	723.0	728.4	728.2	728.1	728.2	728.4	723.0
35°	587.2	591.0	595.3	600.7	607.0	611.3	609.6	607.9	609.6	611.3	607.0
37.5°	477.3	482.6	488.9	494.8	500.1	503.7	502.1	500.5	502.1	503.7	500.1
40°	407.6	413.6	421.1	426.7	430.5	433.0	431.8	430.7	431.8	433.0	430.5
42.5°	340.4	346.6	353.6	358.9	362.7	364.3	359.5	354.6	359.5	364.3	362.7
45°	242.8	254.1	261.9	263.8	259.7	252.9	237.7	222.4	237.7	252.9	259.7
47.5°	135.7	157.3	178.8	183.0	169.9	154.7	133.6	112.5	133.6	154.7	169.9
50°	82.3	106.1	134.5	138.8	119.0	100.4	85.8	71.1	85.8	100.4	119.0
52.5°	61.1	81.2	106.2	108.2	87.3	69.6	62.1	54.6	62.1	69.6	87.3
55°	41.5	52.2	65.7	66.4	54.3	44.5	41.7	38.8	41.7	44.5	54.3
57.5°	31.5	35.7	40.8	41.2	36.9	33.2	31.6	30.0	31.6	33.2	36.9
60°	26.8	29.1	31.7	32.0	30.0	28.2	27.0	25.9	27.0	28.2	30.0
62.5°	22.9	24.3	25.9	26.3	25.5	24.7	24.0	23.3	24.0	24.7	25.5
65°	19.3	19.8	20.4	20.7	20.7	20.6	20.3	20.0	20.3	20.6	20.7
67.5°	16.9	17.2	17.4	17.6	17.7	17.6	17.4	17.1	17.4	17.6	17.7
70°	14.8	15.1	15.4	15.7	16.0	16.1	15.8	15.5	15.8	16.1	16.0
72.5°	13.2	13.4	13.4	13.6	13.9	14.0	13.7	13.5	13.7	14.0	13.9
75°	10.3	10.6	10.8	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
77.5°	8.0	8.0	8.0	8.2	8.4	8.7	8.6	8.5	8.6	8.7	8.4
80°	6.5	6.5	6.5	6.6	6.9	7.0	6.8	6.5	6.8	7.0	6.9
82.5°	4.9	4.9	4.9	5.1	5.3	5.5	5.5	5.4	5.5	5.5	5.3
85°	3.2	3.0	2.7	2.7	3.0	3.2	3.2	3.2	3.2	3.2	3.0
87.5°	7.9	7.6	7.6	7.2	6.3	4.9	3.3	2.0	3.3	4.6	6.9
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1428635

CATALOG NUMBER: SQ2W-WBN-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428635

CATALOG NUMBER: SQ2W-WBN-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2
2.5°	3606.3	3605.0	3617.9	3626.8	3623.6	3620.3	3623.6	3626.8	3617.9	3605.0	3606.3
5°	3477.8	3482.4	3504.8	3520.4	3515.2	3510.0	3515.2	3520.4	3504.8	3482.4	3477.8
7.5°	3221.5	3227.5	3247.4	3260.8	3255.3	3249.8	3255.3	3260.8	3247.4	3227.5	3221.5
10°	2987.5	2996.2	3025.2	3042.1	3022.6	3003.0	3022.6	3042.1	3025.2	2996.2	2987.5
12.5°	2715.6	2714.0	2718.6	2719.4	2708.6	2697.8	2708.6	2719.4	2718.6	2714.0	2715.6
15°	2274.9	2268.2	2275.3	2279.9	2276.8	2273.6	2276.8	2279.9	2275.3	2268.2	2274.9
17.5°	1861.9	1852.4	1851.7	1850.3	1846.8	1843.2	1846.8	1850.3	1851.7	1852.4	1861.9
20°	1600.1	1597.5	1603.3	1607.4	1606.9	1606.3	1606.9	1607.4	1603.3	1597.5	1600.1
22.5°	1377.1	1374.4	1382.9	1388.0	1382.8	1377.6	1382.8	1388.0	1382.9	1374.4	1377.1
25°	1103.8	1097.2	1092.8	1089.8	1090.7	1091.5	1090.7	1089.8	1092.8	1097.2	1103.8
27.5°	899.9	898.0	900.8	902.5	900.3	898.2	900.3	902.5	900.8	898.0	899.9
30°	800.1	797.5	799.3	799.9	797.3	794.7	797.3	799.9	799.3	797.5	800.1
32.5°	715.9	711.9	711.1	710.1	708.2	706.3	708.2	710.1	711.1	711.9	715.9
35°	600.7	595.3	591.0	587.2	584.6	582.0	584.6	587.2	591.0	595.3	600.7
37.5°	494.8	488.9	482.6	477.3	475.1	473.0	475.1	477.3	482.6	488.9	494.8
40°	426.7	421.1	413.6	407.6	405.9	404.2	405.9	407.6	413.6	421.1	426.7
42.5°	358.9	353.6	346.6	340.4	336.6	332.8	336.6	340.4	346.6	353.6	358.9
45°	263.8	261.9	254.1	242.8	220.7	198.5	220.7	242.8	254.1	261.9	263.8
47.5°	183.0	178.8	157.3	135.7	113.9	92.2	113.9	135.7	157.3	178.8	183.0
50°	138.8	134.5	106.1	82.3	72.5	62.7	72.5	82.3	106.1	134.5	138.8
52.5°	108.2	106.2	81.2	61.1	55.7	50.3	55.7	61.1	81.2	106.2	108.2
55°	66.4	65.7	52.2	41.5	39.2	36.9	39.2	41.5	52.2	65.7	66.4
57.5°	41.2	40.8	35.7	31.5	30.0	28.6	30.0	31.5	35.7	40.8	41.2
60°	32.0	31.7	29.1	26.8	25.4	23.9	25.4	26.8	29.1	31.7	32.0
62.5°	26.3	25.9	24.3	22.9	22.4	21.9	22.4	22.9	24.3	25.9	26.3
65°	20.7	20.4	19.8	19.3	19.0	18.8	19.0	19.3	19.8	20.4	20.7
67.5°	17.6	17.4	17.2	16.9	16.6	16.3	16.6	16.9	17.2	17.4	17.6
70°	15.7	15.4	15.1	14.8	14.5	14.2	14.5	14.8	15.1	15.4	15.7
72.5°	13.6	13.4	13.4	13.2	13.0	12.7	13.0	13.2	13.4	13.4	13.6
75°	11.0	10.8	10.6	10.3	10.3	10.3	10.3	10.3	10.6	10.8	11.0
77.5°	8.2	8.0	8.0	8.0	7.7	7.5	7.7	8.0	8.0	8.0	8.2
80°	6.6	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.6
82.5°	5.1	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.1
85°	2.7	2.7	3.0	3.2	2.9	2.6	2.9	3.2	3.0	2.7	2.7
87.5°	8.5	10.8	13.1	14.4	15.7	15.1	15.7	14.4	13.1	10.8	8.5
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1428635

CATALOG NUMBER: SQ2W-WBN-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428635

CATALOG NUMBER: SQ2W-WBN-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3645.2	3645.2	3645.2	3645.2
2.5°	3621.7	3634.0	3636.7	3639.5
5°	3491.1	3501.5	3503.8	3506.1
7.5°	3229.3	3234.7	3232.8	3230.8
10°	2999.0	3006.3	3001.1	2995.9
12.5°	2723.4	2730.1	2733.4	2736.8
15°	2295.6	2314.1	2326.2	2338.3
17.5°	1880.2	1892.7	1888.1	1883.4
20°	1611.0	1618.9	1617.4	1616.0
22.5°	1391.0	1401.3	1401.1	1400.8
25°	1112.7	1119.6	1120.4	1121.3
27.5°	906.5	912.4	916.0	919.5
30°	807.0	812.9	815.8	818.7
32.5°	723.0	728.4	728.2	728.1
35°	607.0	611.3	609.6	607.9
37.5°	500.1	503.7	502.1	500.5
40°	430.5	433.0	431.8	430.7
42.5°	362.7	364.3	359.5	354.6
45°	259.7	252.9	237.7	222.4
47.5°	169.9	154.7	133.6	112.5
50°	119.0	100.4	85.8	71.1
52.5°	87.3	69.6	62.1	54.6
55°	54.3	44.5	41.7	38.8
57.5°	36.9	33.2	31.6	30.0
60°	30.0	28.2	27.0	25.9
62.5°	25.5	24.7	24.0	23.3
65°	20.7	20.6	20.3	20.0
67.5°	17.7	17.6	17.4	17.1
70°	16.0	16.1	15.8	15.5
72.5°	13.9	14.0	13.7	13.5
75°	11.0	11.0	11.0	11.0
77.5°	8.4	8.7	8.6	8.5
80°	6.9	7.0	6.8	6.5
82.5°	5.3	5.5	5.5	5.4
85°	3.0	3.2	3.2	3.2
87.5°	6.9	4.6	3.3	2.0
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4



TEST NUMBER: P1428635

CATALOG NUMBER: SQ2W-WBN-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428635
 CATALOG NUMBER: SQ2W-WBN-K-125U-050D-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	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00	1.03
	3H	0.00	0.00	0.51	1.03	2.58	0.00	0.00	0.12	0.64	2.19
	4H	0.00	0.40	1.03	1.52	3.07	0.00	0.01	0.64	1.12	2.67
	6H	0.23	0.71	1.39	1.83	3.39	0.00	0.30	0.97	1.41	2.97
	8H	0.38	0.83	1.53	1.96	3.51	0.00	0.41	1.11	1.54	3.09
	12H	0.47	0.90	1.63	2.02	3.59	0.02	0.45	1.18	1.58	3.15
4H	2H	0.00	0.00	0.00	0.09	1.64	0.00	0.00	0.00	0.00	1.34
	3H	0.00	0.38	1.11	1.53	3.09	0.00	0.05	0.77	1.19	2.75
	4H	0.60	1.00	1.76	2.13	3.71	0.25	0.64	1.40	1.77	3.35
	6H	1.09	1.43	2.25	2.58	4.15	0.70	1.04	1.87	2.19	3.77
	8H	1.30	1.61	2.46	2.76	4.34	0.90	1.21	2.06	2.36	3.94
	12H	1.43	1.71	2.61	2.87	4.46	1.00	1.29	2.18	2.45	4.04
8H	4H	0.76	1.07	1.92	2.22	3.80	0.44	0.76	1.60	1.90	3.49
	6H	1.39	1.65	2.57	2.84	4.42	1.04	1.30	2.22	2.49	4.07
	8H	1.71	1.94	2.90	3.10	4.71	1.33	1.56	2.52	2.72	4.33
	12H	1.93	2.13	3.12	3.29	4.93	1.54	1.73	2.73	2.90	4.53
12H	4H	0.73	1.02	1.91	2.17	3.76	0.43	0.71	1.60	1.87	3.46
	6H	1.43	1.66	2.62	2.82	4.42	1.09	1.32	2.28	2.48	4.09
	8H	1.77	1.97	2.96	3.13	4.77	1.41	1.61	2.60	2.77	4.41