

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: P1428608

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428608  
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-050U-125D-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 1250 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

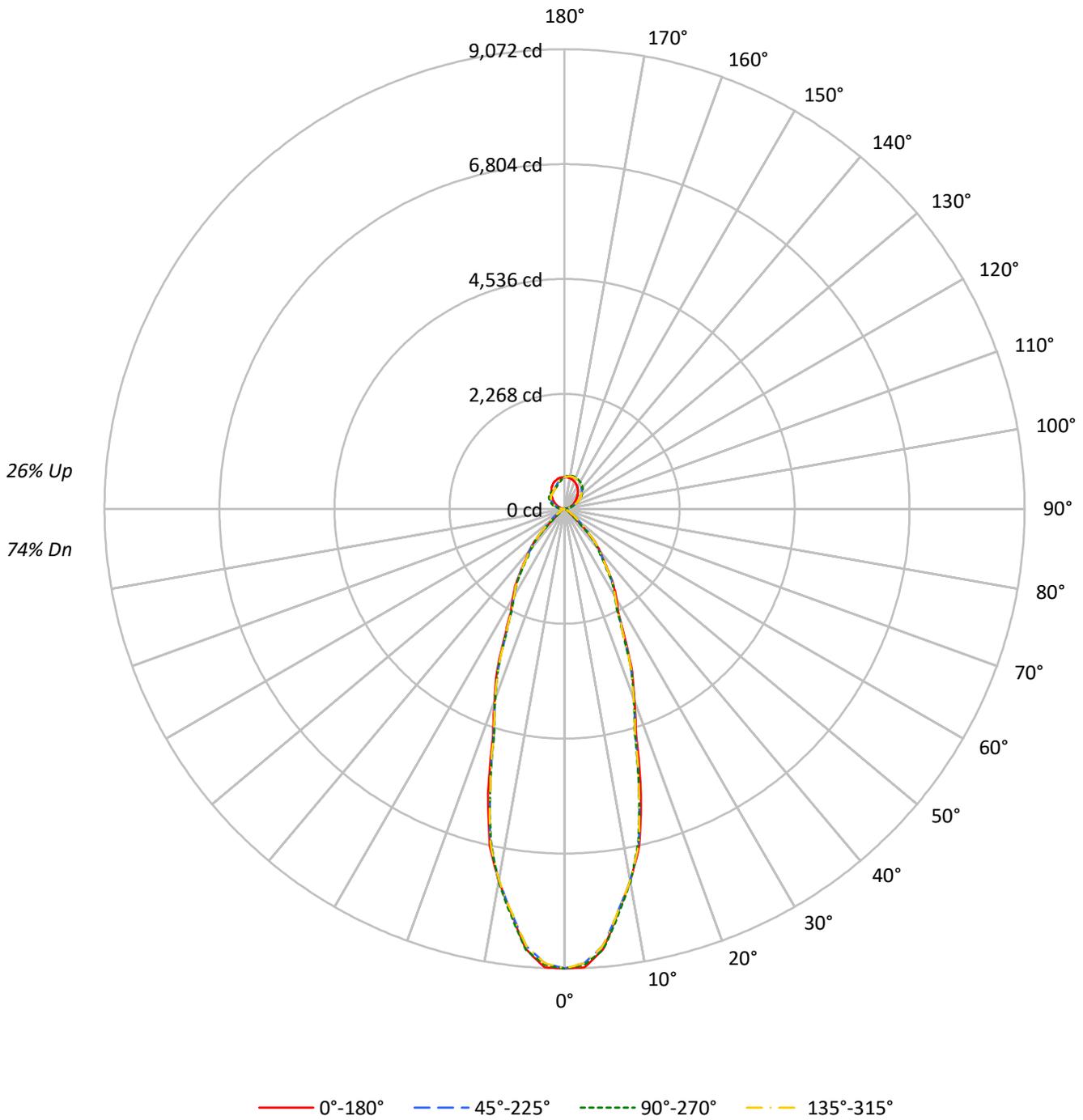
Lumens per Lamp: N/A  
Luminaire Lumens: 7098.9 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 64.7  
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: P1428608

CATALOG NUMBER: SQ2W-WBN-K-050U-125D-L930-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	0
RCR																		
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74
1	106	103	101	98	101	99	96	94	90	88	86	82	81	79	74	74	73	69
2	100	95	90	87	96	91	87	84	83	81	78	77	74	73	70	69	67	64
3	94	87	82	78	90	84	79	75	78	74	71	72	69	67	66	64	62	60
4	89	81	75	70	85	78	73	69	73	68	65	67	64	62	63	60	58	56
5	84	75	69	64	80	73	67	63	68	63	60	63	60	57	59	57	54	52
6	79	70	64	59	76	68	62	58	64	59	56	60	56	53	56	53	51	49
7	75	65	59	55	72	64	58	54	60	55	52	57	53	50	53	50	48	46
8	71	61	55	51	69	60	54	50	57	52	48	54	50	47	51	47	45	43
9	68	58	52	48	65	56	51	47	53	49	45	51	47	44	48	45	43	41
10	65	55	49	45	62	53	48	44	51	46	43	48	44	42	46	43	40	39

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	146480	146480	146480	146480
5°	141432	141588	141432	141588
10°	122248	122538	122248	122538
15°	97279	94589	97279	94589
20°	69105	68691	69105	68691
25°	49717	48399	49717	48399
30°	37988	36876	37988	36876
35°	29819	28550	29819	28550
40°	22592	21201	22592	21201
45°	12643	11282	12643	11282
50°	4446	3921	4446	3921
55°	2719	2581	2719	2581
60°	2080	1921	2080	1921
65°	1906	1784	1906	1784
70°	1822	1671	1822	1671
75°	1709	1609	1709	1609
80°	1497	1497	1497	1497
85°	1482	1186	1482	1186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 14990 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	787.5	11.1
10°-20°	1565.2	22.0
20°-30°	1296.2	18.3
30°-40°	932.5	13.1
40°-50°	475.0	6.7
50°-60°	123.5	1.7
60°-70°	51.3	0.7
70°-80°	28.5	0.4
80°-90°	11.0	0.2
90°-100°	49.8	0.7
100°-110°	145.3	2.0
110°-120°	237.1	3.3
120°-130°	300.9	4.2
130°-140°	322.0	4.5
140°-150°	300.7	4.2
150°-160°	247.4	3.5
160°-170°	165.9	2.3
170°-180°	58.9	0.8
0°-30°	3649.0	51.4
0°-40°	4581.5	64.5
0°-60°	5180.0	73.0
0°-90°	5270.8	74.2
90°-120°	432.3	6.1
90°-150°	1355.8	19.1
90°-180°	1828.0	25.8
0°-180°	7098.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9072	9072	9072	9072	9072	
5°	8726	8736	8726	8736	8726	787
15°	5820	5659	5820	5659	5820	1580
25°	2791	2717	2791	2717	2791	1313
35°	1513	1448	1513	1448	1513	949
45°	554	494	554	494	554	442
55°	97	92	97	92	97	95
65°	50	47	50	47	50	50
75°	27	26	27	26	27	29
85°	8	6	8	6	8	8
90°	2	14	2	27	2	2
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5
2.5°	9058.4	9051.5	9044.6	9014.1	8975.8	8972.7	9004.7	9026.7	9018.7	9010.7	9018.7
5°	8726.5	8720.8	8715.0	8688.9	8656.0	8667.5	8723.3	8761.9	8749.0	8736.1	8749.0
7.5°	8041.2	8046.0	8050.9	8037.5	8018.1	8033.0	8082.4	8116.0	8102.2	8088.5	8102.2
10°	7456.6	7469.5	7482.4	7464.1	7435.5	7457.3	7529.6	7571.6	7523.0	7474.3	7523.0
12.5°	6811.5	6803.3	6795.0	6778.3	6758.8	6754.9	6766.5	6768.4	6741.6	6714.7	6741.6
15°	5819.8	5789.8	5759.7	5713.6	5662.1	5645.3	5663.1	5674.6	5666.7	5658.9	5666.7
17.5°	4687.7	4699.3	4710.9	4679.7	4634.2	4610.6	4608.8	4605.3	4596.5	4587.6	4596.5
20°	4022.0	4025.6	4029.2	4009.7	3982.5	3976.1	3990.4	4000.8	3999.3	3997.9	3999.3
22.5°	3486.4	3487.1	3487.8	3462.1	3427.4	3420.7	3441.9	3454.5	3441.7	3428.8	3441.7
25°	2790.8	2788.7	2786.5	2769.3	2747.2	2730.7	2720.0	2712.5	2714.6	2716.8	2714.6
27.5°	2288.6	2279.8	2270.9	2256.2	2239.7	2234.9	2242.1	2246.1	2240.8	2235.5	2240.8
30°	2037.6	2030.4	2023.3	2008.6	1991.4	1985.0	1989.3	1990.9	1984.5	1978.0	1984.5
32.5°	1812.2	1812.5	1812.8	1799.6	1781.8	1772.0	1770.0	1767.3	1762.6	1757.8	1762.6
35°	1512.9	1517.2	1521.5	1510.7	1495.0	1481.8	1471.0	1461.4	1454.9	1448.5	1454.9
37.5°	1245.7	1249.7	1253.7	1244.8	1231.4	1216.9	1201.2	1188.0	1182.6	1177.2	1182.6
40°	1071.9	1074.8	1077.6	1071.4	1062.1	1048.1	1029.5	1014.5	1010.2	1005.9	1010.2
42.5°	882.6	894.6	906.7	902.7	893.4	880.0	862.6	847.1	837.7	828.2	837.7
45°	553.7	591.6	629.5	646.5	656.5	651.8	632.5	604.3	549.2	494.1	549.2
47.5°	280.0	332.5	385.1	422.8	455.5	445.1	391.4	337.7	283.6	229.5	283.6
50°	177.0	213.5	250.0	296.1	345.5	334.8	264.0	204.8	180.4	156.1	180.4
52.5°	135.8	154.6	173.3	217.2	269.4	264.4	202.1	152.1	138.7	125.2	138.7
55°	96.6	103.7	110.9	135.2	165.2	163.4	129.8	103.2	97.5	91.7	97.5
57.5°	74.7	78.7	82.7	91.7	102.5	101.5	88.7	78.3	74.7	71.1	74.7
60°	64.4	67.2	70.1	74.6	79.6	78.9	72.4	66.7	63.1	59.5	63.1
62.5°	57.9	59.7	61.4	63.4	65.6	64.6	60.4	57.0	55.7	54.4	55.7
65°	49.9	50.6	51.3	51.5	51.5	50.8	49.4	48.1	47.4	46.7	47.4
67.5°	42.5	43.2	43.9	44.0	43.8	43.4	42.7	42.0	41.3	40.6	41.3
70°	38.6	39.3	40.1	39.7	39.0	38.3	37.6	36.8	36.1	35.4	36.1
72.5°	33.5	34.2	34.9	34.5	33.8	33.4	33.3	33.0	32.3	31.5	32.3
75°	27.4	27.4	27.4	27.4	27.4	27.0	26.3	25.8	25.8	25.8	25.8
77.5°	21.2	21.4	21.5	21.0	20.3	20.0	20.0	19.8	19.2	18.7	19.2
80°	16.1	16.8	17.5	17.2	16.5	16.1	16.1	16.1	16.1	16.1	16.1
82.5°	13.5	13.7	13.8	13.3	12.6	12.2	12.2	12.2	12.2	12.2	12.2
85°	8.0	8.0	8.0	7.5	6.8	6.8	7.5	7.9	7.2	6.4	7.2
87.5°	3.0	3.5	4.1	4.6	5.0	5.1	5.1	5.2	5.4	5.4	5.4
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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**CANDELA DISTRIBUTION (continued):**

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



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5
2.5°	9026.7	9004.7	8972.7	8975.8	9014.1	9044.6	9051.5	9058.4	9051.5	9044.6	9014.1
5°	8761.9	8723.3	8667.5	8656.0	8688.9	8715.0	8720.8	8726.5	8720.8	8715.0	8688.9
7.5°	8116.0	8082.4	8033.0	8018.1	8037.5	8050.9	8046.0	8041.2	8046.0	8050.9	8037.5
10°	7571.6	7529.6	7457.3	7435.5	7464.1	7482.4	7469.5	7456.6	7469.5	7482.4	7464.1
12.5°	6768.4	6766.5	6754.9	6758.8	6778.3	6795.0	6803.3	6811.5	6803.3	6795.0	6778.3
15°	5674.6	5663.1	5645.3	5662.1	5713.6	5759.7	5789.8	5819.8	5789.8	5759.7	5713.6
17.5°	4605.3	4608.8	4610.6	4634.2	4679.7	4710.9	4699.3	4687.7	4699.3	4710.9	4679.7
20°	4000.8	3990.4	3976.1	3982.5	4009.7	4029.2	4025.6	4022.0	4025.6	4029.2	4009.7
22.5°	3454.5	3441.9	3420.7	3427.4	3462.1	3487.8	3487.1	3486.4	3487.1	3487.8	3462.1
25°	2712.5	2720.0	2730.7	2747.2	2769.3	2786.5	2788.7	2790.8	2788.7	2786.5	2769.3
27.5°	2246.1	2242.1	2234.9	2239.7	2256.2	2270.9	2279.8	2288.6	2279.8	2270.9	2256.2
30°	1990.9	1989.3	1985.0	1991.4	2008.6	2023.3	2030.4	2037.6	2030.4	2023.3	2008.6
32.5°	1767.3	1770.0	1772.0	1781.8	1799.6	1812.8	1812.5	1812.2	1812.5	1812.8	1799.6
35°	1461.4	1471.0	1481.8	1495.0	1510.7	1521.5	1517.2	1512.9	1517.2	1521.5	1510.7
37.5°	1188.0	1201.2	1216.9	1231.4	1244.8	1253.7	1249.7	1245.7	1249.7	1253.7	1244.8
40°	1014.5	1029.5	1048.1	1062.1	1071.4	1077.6	1074.8	1071.9	1074.8	1077.6	1071.4
42.5°	847.1	862.6	880.0	893.4	902.7	906.7	894.6	882.6	894.6	906.7	902.7
45°	604.3	632.5	651.8	656.5	646.5	629.5	591.6	553.7	591.6	629.5	646.5
47.5°	337.7	391.4	445.1	455.5	422.8	385.1	332.5	280.0	332.5	385.1	422.8
50°	204.8	264.0	334.8	345.5	296.1	250.0	213.5	177.0	213.5	250.0	296.1
52.5°	152.1	202.1	264.4	269.4	217.2	173.3	154.6	135.8	154.6	173.3	217.2
55°	103.2	129.8	163.4	165.2	135.2	110.9	103.7	96.6	103.7	110.9	135.2
57.5°	78.3	88.7	101.5	102.5	91.7	82.7	78.7	74.7	78.7	82.7	91.7
60°	66.7	72.4	78.9	79.6	74.6	70.1	67.2	64.4	67.2	70.1	74.6
62.5°	57.0	60.4	64.6	65.6	63.4	61.4	59.7	57.9	59.7	61.4	63.4
65°	48.1	49.4	50.8	51.5	51.5	51.3	50.6	49.9	50.6	51.3	51.5
67.5°	42.0	42.7	43.4	43.8	44.0	43.9	43.2	42.5	43.2	43.9	44.0
70°	36.8	37.6	38.3	39.0	39.7	40.1	39.3	38.6	39.3	40.1	39.7
72.5°	33.0	33.3	33.4	33.8	34.5	34.9	34.2	33.5	34.2	34.9	34.5
75°	25.8	26.3	27.0	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
77.5°	19.8	20.0	20.0	20.3	21.0	21.5	21.4	21.2	21.4	21.5	21.0
80°	16.1	16.1	16.1	16.5	17.2	17.5	16.8	16.1	16.8	17.5	17.2
82.5°	12.2	12.2	12.2	12.6	13.3	13.8	13.7	13.5	13.7	13.8	13.3
85°	7.9	7.5	6.8	6.8	7.5	8.0	8.0	8.0	8.0	8.0	7.5
87.5°	5.2	5.1	5.1	5.0	4.6	4.1	3.5	3.0	3.5	4.0	4.9
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1428608

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P1428608

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5	9072.5
2.5°	8975.8	8972.7	9004.7	9026.7	9018.7	9010.7	9018.7	9026.7	9004.7	8972.7	8975.8
5°	8656.0	8667.5	8723.3	8761.9	8749.0	8736.1	8749.0	8761.9	8723.3	8667.5	8656.0
7.5°	8018.1	8033.0	8082.4	8116.0	8102.2	8088.5	8102.2	8116.0	8082.4	8033.0	8018.1
10°	7435.5	7457.3	7529.6	7571.6	7523.0	7474.3	7523.0	7571.6	7529.6	7457.3	7435.5
12.5°	6758.8	6754.9	6766.5	6768.4	6741.6	6714.7	6741.6	6768.4	6766.5	6754.9	6758.8
15°	5662.1	5645.3	5663.1	5674.6	5666.7	5658.9	5666.7	5674.6	5663.1	5645.3	5662.1
17.5°	4634.2	4610.6	4608.8	4605.3	4596.5	4587.6	4596.5	4605.3	4608.8	4610.6	4634.2
20°	3982.5	3976.1	3990.4	4000.8	3999.3	3997.9	3999.3	4000.8	3990.4	3976.1	3982.5
22.5°	3427.4	3420.7	3441.9	3454.5	3441.7	3428.8	3441.7	3454.5	3441.9	3420.7	3427.4
25°	2747.2	2730.7	2720.0	2712.5	2714.6	2716.8	2714.6	2712.5	2720.0	2730.7	2747.2
27.5°	2239.7	2234.9	2242.1	2246.1	2240.8	2235.5	2240.8	2246.1	2242.1	2234.9	2239.7
30°	1991.4	1985.0	1989.3	1990.9	1984.5	1978.0	1984.5	1990.9	1989.3	1985.0	1991.4
32.5°	1781.8	1772.0	1770.0	1767.3	1762.6	1757.8	1762.6	1767.3	1770.0	1772.0	1781.8
35°	1495.0	1481.8	1471.0	1461.4	1454.9	1448.5	1454.9	1461.4	1471.0	1481.8	1495.0
37.5°	1231.4	1216.9	1201.2	1188.0	1182.6	1177.2	1182.6	1188.0	1201.2	1216.9	1231.4
40°	1062.1	1048.1	1029.5	1014.5	1010.2	1005.9	1010.2	1014.5	1029.5	1048.1	1062.1
42.5°	893.4	880.0	862.6	847.1	837.7	828.2	837.7	847.1	862.6	880.0	893.4
45°	656.5	651.8	632.5	604.3	549.2	494.1	549.2	604.3	632.5	651.8	656.5
47.5°	455.5	445.1	391.4	337.7	283.6	229.5	283.6	337.7	391.4	445.1	455.5
50°	345.5	334.8	264.0	204.8	180.4	156.1	180.4	204.8	264.0	334.8	345.5
52.5°	269.4	264.4	202.1	152.1	138.7	125.2	138.7	152.1	202.1	264.4	269.4
55°	165.2	163.4	129.8	103.2	97.5	91.7	97.5	103.2	129.8	163.4	165.2
57.5°	102.5	101.5	88.7	78.3	74.7	71.1	74.7	78.3	88.7	101.5	102.5
60°	79.6	78.9	72.4	66.7	63.1	59.5	63.1	66.7	72.4	78.9	79.6
62.5°	65.6	64.6	60.4	57.0	55.7	54.4	55.7	57.0	60.4	64.6	65.6
65°	51.5	50.8	49.4	48.1	47.4	46.7	47.4	48.1	49.4	50.8	51.5
67.5°	43.8	43.4	42.7	42.0	41.3	40.6	41.3	42.0	42.7	43.4	43.8
70°	39.0	38.3	37.6	36.8	36.1	35.4	36.1	36.8	37.6	38.3	39.0
72.5°	33.8	33.4	33.3	33.0	32.3	31.5	32.3	33.0	33.3	33.4	33.8
75°	27.4	27.0	26.3	25.8	25.8	25.8	25.8	25.8	26.3	27.0	27.4
77.5°	20.3	20.0	20.0	19.8	19.2	18.7	19.2	19.8	20.0	20.0	20.3
80°	16.5	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.5
82.5°	12.6	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.6
85°	6.8	6.8	7.5	7.9	7.2	6.4	7.2	7.9	7.5	6.8	6.8
87.5°	5.5	6.4	7.3	7.8	8.3	8.0	8.3	7.8	7.3	6.4	5.5
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1428608

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P1428608

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	9072.5	9072.5	9072.5	9072.5
2.5°	9014.1	9044.6	9051.5	9058.4
5°	8688.9	8715.0	8720.8	8726.5
7.5°	8037.5	8050.9	8046.0	8041.2
10°	7464.1	7482.4	7469.5	7456.6
12.5°	6778.3	6795.0	6803.3	6811.5
15°	5713.6	5759.7	5789.8	5819.8
17.5°	4679.7	4710.9	4699.3	4687.7
20°	4009.7	4029.2	4025.6	4022.0
22.5°	3462.1	3487.8	3487.1	3486.4
25°	2769.3	2786.5	2788.7	2790.8
27.5°	2256.2	2270.9	2279.8	2288.6
30°	2008.6	2023.3	2030.4	2037.6
32.5°	1799.6	1812.8	1812.5	1812.2
35°	1510.7	1521.5	1517.2	1512.9
37.5°	1244.8	1253.7	1249.7	1245.7
40°	1071.4	1077.6	1074.8	1071.9
42.5°	902.7	906.7	894.6	882.6
45°	646.5	629.5	591.6	553.7
47.5°	422.8	385.1	332.5	280.0
50°	296.1	250.0	213.5	177.0
52.5°	217.2	173.3	154.6	135.8
55°	135.2	110.9	103.7	96.6
57.5°	91.7	82.7	78.7	74.7
60°	74.6	70.1	67.2	64.4
62.5°	63.4	61.4	59.7	57.9
65°	51.5	51.3	50.6	49.9
67.5°	44.0	43.9	43.2	42.5
70°	39.7	40.1	39.3	38.6
72.5°	34.5	34.9	34.2	33.5
75°	27.4	27.4	27.4	27.4
77.5°	21.0	21.5	21.4	21.2
80°	17.2	17.5	16.8	16.1
82.5°	13.3	13.8	13.7	13.5
85°	7.5	8.0	8.0	8.0
87.5°	4.9	4.0	3.5	3.0
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7



TEST NUMBER: P1428608

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P1428608  
 CATALOG NUMBER: SQ2W-WBN-K-050U-125D-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	5.66	6.47	6.42	7.22	8.11	5.28	6.10	6.04	6.84	7.73
	3H	6.89	7.60	7.66	8.36	9.29	6.49	7.21	7.27	7.97	8.90
	4H	7.41	8.08	8.20	8.85	9.79	7.01	7.69	7.81	8.45	9.39
	6H	7.76	8.38	8.56	9.16	10.10	7.35	7.96	8.15	8.74	9.69
	8H	7.91	8.49	8.72	9.28	10.23	7.49	8.07	8.30	8.86	9.81
	12H	8.00	8.56	8.82	9.34	10.31	7.56	8.11	8.37	8.89	9.87
4H	2H	5.99	6.66	6.78	7.42	8.36	5.67	6.35	6.47	7.11	8.05
	3H	7.48	8.03	8.28	8.84	9.79	7.14	7.69	7.94	8.50	9.45
	4H	8.13	8.63	8.94	9.43	10.41	7.78	8.28	8.59	9.08	10.06
	6H	8.62	9.04	9.45	9.87	10.86	8.24	8.66	9.07	9.49	10.48
	8H	8.83	9.22	9.66	10.05	11.04	8.43	8.82	9.26	9.65	10.64
	12H	8.97	9.32	9.81	10.16	11.16	8.54	8.89	9.39	9.73	10.73
8H	4H	8.29	8.69	9.12	9.51	10.51	7.98	8.37	8.81	9.19	10.19
	6H	8.92	9.24	9.78	10.11	11.11	8.57	8.89	9.43	9.76	10.76
	8H	9.24	9.52	10.11	10.38	11.40	8.85	9.14	9.73	10.00	11.02
	12H	9.47	9.71	10.33	10.56	11.64	9.06	9.30	9.93	10.15	11.23
12H	4H	8.27	8.62	9.12	9.47	10.47	7.97	8.32	8.82	9.16	10.16
	6H	8.95	9.24	9.83	10.10	11.12	8.61	8.90	9.49	9.76	10.78
	8H	9.31	9.55	10.18	10.40	11.48	8.94	9.19	9.81	10.04	11.11