

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: P1428596

Luminaire Tested: SQ2W-WBN-K-025U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428596
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-025U-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 250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

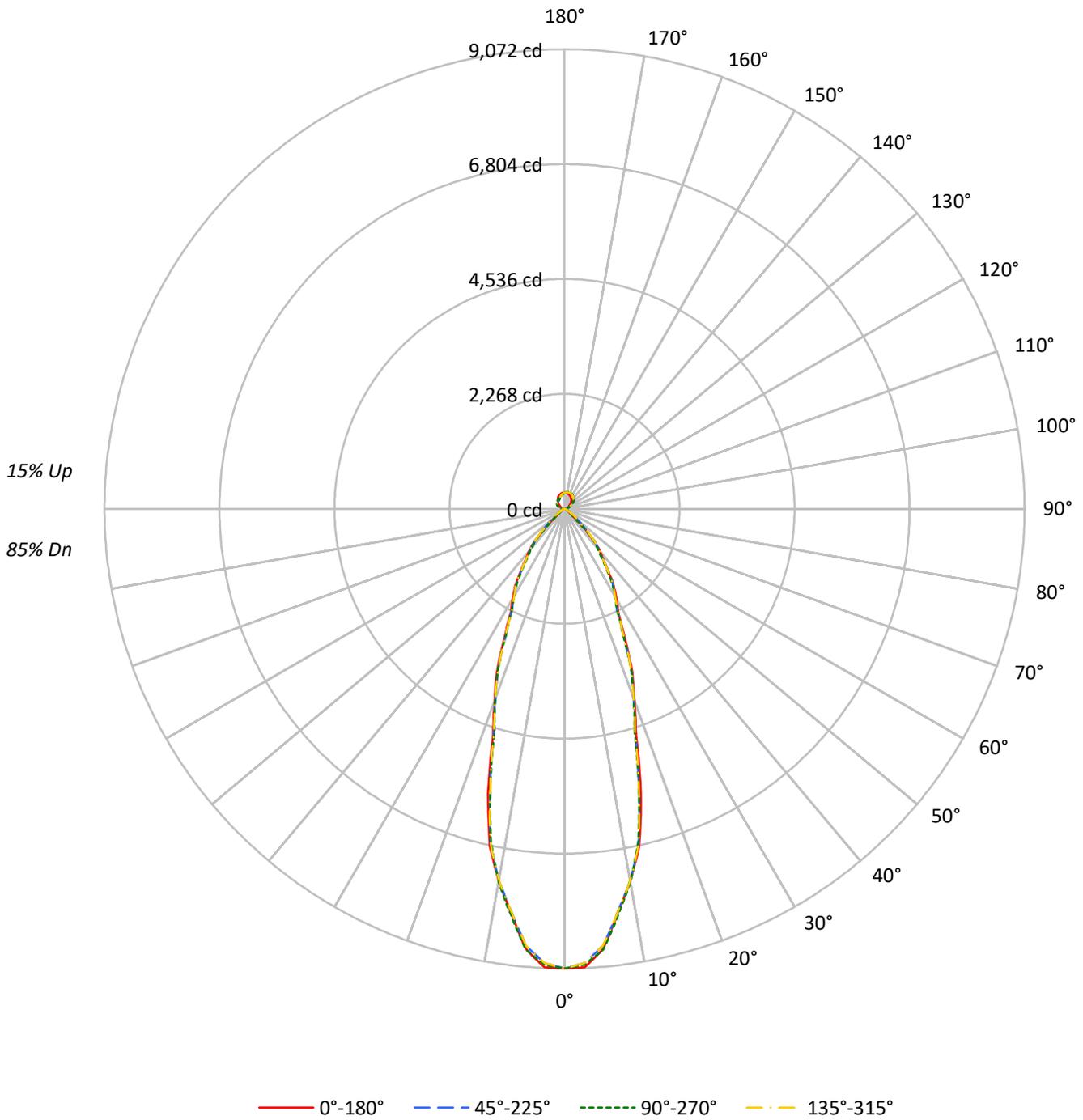
Lumens per Lamp: N/A
Luminaire Lumens: 6200.6 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 57.3
Input Voltage (V): 120
Input Current (A_{in}): 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	115	115	115	115	111	111	111	111	103	103	103	95	95	95	88	88	88	85				
1	109	106	104	101	105	103	100	98	96	94	92	90	88	87	84	83	82	79				
2	103	98	94	90	100	95	91	88	89	86	84	84	82	80	79	78	76	74				
3	98	91	86	81	94	88	84	80	84	80	77	79	76	74	75	73	71	68				
4	92	84	79	74	89	82	77	73	78	74	71	74	71	68	71	68	66	64				
5	87	79	73	68	85	77	71	67	73	69	65	70	66	63	67	64	62	60				
6	83	74	68	63	80	72	67	62	69	64	61	66	62	59	64	60	58	56				
7	79	69	63	59	76	68	62	58	65	60	57	63	59	56	60	57	54	53				
8	75	65	59	55	73	64	58	54	62	57	53	60	55	52	57	54	51	50				
9	71	62	56	52	69	61	55	51	58	54	50	57	52	49	55	51	48	47				
10	68	58	53	49	66	57	52	48	56	51	47	54	50	47	52	49	46	44				

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	12.7
10°-20°	1565.2	25.2
20°-30°	1296.2	20.9
30°-40°	932.5	15.0
40°-50°	475.0	7.7
50°-60°	123.5	2.0
60°-70°	51.3	0.8
70°-80°	28.5	0.5
80°-90°	9.8	0.2
90°-100°	25.4	0.4
100°-110°	74.0	1.2
110°-120°	120.8	1.9
120°-130°	153.3	2.5
130°-140°	164.0	2.6
140°-150°	153.1	2.5
150°-160°	126.0	2.0
160°-170°	84.5	1.4
170°-180°	30.0	0.5
0°-30°	3649.0	58.8
0°-40°	4581.5	73.9
0°-60°	5180.0	83.5
0°-90°	5269.6	85.0
90°-120°	220.2	3.6
90°-150°	690.5	11.1
90°-180°	931.0	15.0
0°-180°	6200.6	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°	1	7	1	14	1	1
95°	10	7	10	44	10	12
105°	47	75	47	104	47	50
115°	90	125	90	154	90	89
125°	133	198	133	189	133	119
135°	181	259	181	209	181	140
145°	232	299	232	214	232	145
155°	275	325	275	222	275	126
165°	304	338	304	255	304	86
175°	318	331	318	299	318	30
180°	319	319	319	319	319	



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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°	2.8	3.0	3.3	3.6	3.8	3.9	3.9	3.9	4.0	4.0	4.0
90°	1.0	2.3	3.9	5.2	6.1	6.4	6.4	6.8	7.1	7.1	7.1
92.5°	3.5	5.6	5.7	5.7	6.9	7.5	8.0	8.1	8.4	8.4	8.4
95°	10.0	11.0	16.4	16.1	11.0	8.7	7.4	7.4	7.4	7.4	7.4
97.5°	19.1	20.5	21.4	28.7	30.3	29.2	23.8	20.0	17.9	16.9	17.9
100°	27.1	27.7	29.6	30.0	38.0	45.7	41.9	37.0	35.4	34.5	35.4
102.5°	35.0	35.4	38.4	39.7	41.6	46.0	59.4	57.9	56.8	56.6	56.8
105°	47.0	47.3	52.8	55.4	56.7	56.7	56.4	62.8	73.1	75.4	73.1
107.5°	59.8	61.3	67.8	74.7	76.1	76.5	74.9	73.9	73.5	73.8	73.5
110°	68.6	70.9	78.6	87.3	89.5	90.2	89.5	88.6	87.9	87.9	87.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	77.1	80.4	89.2	99.1	102.9	104.9	103.5	102.7	102.1	102.6	102.1
115°	90.2	95.0	106.6	116.9	124.6	125.6	125.3	125.3	125.0	125.0	125.0
117.5°	102.3	110.0	123.0	135.0	144.0	146.5	147.8	147.5	147.1	147.7	147.1
120°	110.8	119.8	134.6	148.2	156.9	160.7	162.0	161.4	162.0	161.4	162.0
122.5°	119.8	130.9	145.5	159.5	169.7	174.1	175.7	175.8	175.9	175.5	175.9
125°	133.3	146.9	163.9	178.4	189.1	194.2	195.5	195.8	196.5	198.1	196.5
127.5°	147.0	162.3	181.1	195.1	205.9	212.2	214.2	214.9	216.2	217.0	216.2
130°	156.5	173.9	192.9	206.1	216.8	223.5	227.1	228.0	229.6	229.3	229.6
132.5°	166.6	184.7	204.0	217.7	227.6	234.9	237.9	240.7	241.2	241.7	241.2
135°	181.3	201.0	220.3	233.8	243.2	250.3	254.1	256.7	258.3	259.3	258.3
137.5°	196.9	217.6	236.2	248.2	257.6	263.7	268.1	270.8	272.5	273.3	272.5
140°	207.4	227.4	245.4	258.0	266.4	272.5	276.3	279.6	281.5	281.5	281.5
142.5°	217.5	237.2	254.7	267.3	274.6	280.2	284.3	286.8	289.0	289.0	289.0
145°	231.6	251.2	267.3	279.9	286.0	291.2	295.7	297.6	298.9	298.9	298.9
147.5°	246.3	263.7	278.4	290.5	295.6	301.7	305.2	306.8	308.4	307.7	308.4
150°	255.1	271.2	285.4	296.6	301.8	307.6	311.1	312.4	314.0	313.1	314.0
152.5°	263.6	278.9	291.8	302.3	306.7	312.5	316.5	317.8	318.9	318.2	318.9
155°	275.1	288.6	300.5	310.2	314.0	319.5	323.4	325.0	326.3	324.7	326.3
157.5°	285.3	297.0	307.3	316.2	320.3	325.0	328.7	330.7	331.9	331.2	331.9
160°	291.5	302.1	311.5	319.8	323.7	327.9	331.7	334.0	335.3	334.3	335.3
162.5°	296.6	306.2	315.1	322.7	326.0	329.7	334.3	336.3	337.6	336.4	337.6
165°	304.0	311.8	319.5	326.0	328.8	331.7	336.6	338.8	339.8	338.5	339.8
167.5°	309.7	315.6	321.8	327.4	329.5	332.3	337.2	339.0	340.3	338.6	340.3
170°	312.7	317.9	323.4	327.9	329.5	332.1	336.9	338.5	339.5	337.9	339.5
172.5°	315.3	319.2	323.6	327.6	328.5	330.5	335.1	336.7	337.4	336.1	337.4
175°	317.9	320.2	323.4	326.0	325.6	326.9	330.8	332.1	333.4	331.4	333.4
177.5°	319.1	320.2	321.2	322.7	321.7	321.7	324.5	325.3	325.6	324.5	325.6
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



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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°	3.9	3.9	3.9	3.8	3.6	3.3	3.0	2.8	3.0	3.3	3.7
90°	6.8	6.4	6.4	6.1	5.2	3.9	2.3	1.0	2.3	3.5	5.8
92.5°	8.1	8.0	7.5	6.9	5.7	5.7	5.6	3.5	6.1	8.7	12.5
95°	7.4	7.4	8.7	11.0	16.1	16.4	11.0	10.0	14.2	20.0	25.1
97.5°	20.0	23.8	29.2	30.3	28.7	21.4	20.5	19.1	26.0	31.7	40.0
100°	37.0	41.9	45.7	38.0	30.0	29.6	27.7	27.1	34.5	39.9	48.0
102.5°	57.9	59.4	46.0	41.6	39.7	38.4	35.4	35.0	42.5	50.0	56.8
105°	62.8	56.4	56.7	56.7	55.4	52.8	47.3	47.0	55.4	64.1	72.5
107.5°	73.9	74.9	76.5	76.1	74.7	67.8	61.3	59.8	67.4	77.8	87.0
110°	88.6	89.5	90.2	89.5	87.3	78.6	70.9	68.6	75.4	86.3	96.3



TEST NUMBER: P1428596

CATALOG NUMBER: SQ2W-WBN-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	102.7	103.5	104.9	102.9	99.1	89.2	80.4	77.1	83.9	95.1	105.3
115°	125.3	125.3	125.6	124.6	116.9	106.6	95.0	90.2	96.0	106.3	117.6
117.5°	147.5	147.8	146.5	144.0	135.0	123.0	110.0	102.3	106.9	117.8	129.3
120°	161.4	162.0	160.7	156.9	148.2	134.6	119.8	110.8	114.3	125.0	136.6
122.5°	175.8	175.7	174.1	169.7	159.5	145.5	130.9	119.8	121.3	131.2	142.5
125°	195.8	195.5	194.2	189.1	178.4	163.9	146.9	133.3	131.4	139.8	151.4
127.5°	214.9	214.2	212.2	205.9	195.1	181.1	162.3	147.0	142.7	148.0	158.6
130°	228.0	227.1	223.5	216.8	206.1	192.9	173.9	156.5	150.4	153.6	163.0
132.5°	240.7	237.9	234.9	227.6	217.7	204.0	184.7	166.6	158.1	159.6	166.8
135°	256.7	254.1	250.3	243.2	233.8	220.3	201.0	181.3	169.7	168.5	172.6
137.5°	270.8	268.1	263.7	257.6	248.2	236.2	217.6	196.9	182.2	177.9	179.5
140°	279.6	276.3	272.5	266.4	258.0	245.4	227.4	207.4	191.0	184.9	183.9
142.5°	286.8	284.3	280.2	274.6	267.3	254.7	237.2	217.5	200.0	192.1	189.8
145°	297.6	295.7	291.2	286.0	279.9	267.3	251.2	231.6	214.2	203.9	199.0
147.5°	306.8	305.2	301.7	295.6	290.5	278.4	263.7	246.3	228.5	215.7	209.5
150°	312.4	311.1	307.6	301.8	296.6	285.4	271.2	255.1	238.0	224.5	216.4
152.5°	317.8	316.5	312.5	306.7	302.3	291.8	278.9	263.6	246.3	232.7	224.4
155°	325.0	323.4	319.5	314.0	310.2	300.5	288.6	275.1	260.2	246.1	236.7
157.5°	330.7	328.7	325.0	320.3	316.2	307.3	297.0	285.3	272.4	258.8	249.3
160°	334.0	331.7	327.9	323.7	319.8	311.5	302.1	291.5	279.6	267.3	257.0
162.5°	336.3	334.3	329.7	326.0	322.7	315.1	306.2	296.6	286.0	275.3	265.8
165°	338.8	336.6	331.7	328.8	326.0	319.5	311.8	304.0	295.0	286.3	278.6
167.5°	339.0	337.2	332.3	329.5	327.4	321.8	315.6	309.7	302.6	295.8	289.4
170°	338.5	336.9	332.1	329.5	327.9	323.4	317.9	312.7	307.3	301.5	296.3
172.5°	336.7	335.1	330.5	328.5	327.6	323.6	319.2	315.3	310.6	306.4	302.2
175°	332.1	330.8	326.9	325.6	326.0	323.4	320.2	317.9	315.0	312.4	310.2
177.5°	325.3	324.5	321.7	321.7	322.7	321.2	320.2	319.1	317.8	317.1	316.3
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428596

CATALOG NUMBER: SQ2W-WBN-K-025U-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°	4.1	4.5	5.0	5.2	5.5	5.3	5.5	5.2	5.0	4.5	4.1
90°	7.4	9.7	11.9	13.2	14.5	13.8	14.5	13.2	11.9	9.7	7.4
92.5°	14.9	18.7	21.5	23.8	24.8	24.7	24.8	23.8	21.5	18.7	14.9
95°	30.0	34.5	39.0	42.2	44.1	43.5	44.1	42.2	39.0	34.5	30.0
97.5°	46.2	52.2	57.3	60.3	62.2	63.5	62.2	60.3	57.3	52.2	46.2
100°	57.0	62.8	68.6	72.1	75.4	76.7	75.4	72.1	68.6	62.8	57.0
102.5°	65.8	73.4	79.7	83.5	86.2	87.5	86.2	83.5	79.7	73.4	65.8
105°	80.2	88.3	95.0	99.8	102.7	103.7	102.7	99.8	95.0	88.3	80.2
107.5°	94.6	102.9	109.2	114.5	118.1	120.1	118.1	114.5	109.2	102.9	94.6
110°	106.0	112.7	119.5	124.3	127.9	129.2	127.9	124.3	119.5	112.7	106.0



TEST NUMBER: P1428596

CATALOG NUMBER: SQ2W-WBN-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	115.5	123.0	129.8	134.6	138.7	140.5	138.7	134.6	129.8	123.0	115.5
115°	128.8	138.8	144.9	149.4	152.3	154.0	152.3	149.4	144.9	138.8	128.8
117.5°	139.9	150.3	157.0	160.5	161.9	163.0	161.9	160.5	157.0	150.3	139.9
120°	146.9	156.5	164.3	168.8	170.4	171.0	170.4	168.8	164.3	156.5	146.9
122.5°	153.3	162.5	169.9	175.5	178.1	178.8	178.1	175.5	169.9	162.5	153.3
125°	162.3	171.0	178.8	184.2	187.1	188.7	187.1	184.2	178.8	171.0	162.3
127.5°	170.2	179.6	186.7	191.6	194.5	195.8	194.5	191.6	186.7	179.6	170.2
130°	174.6	184.2	191.3	196.8	199.4	200.7	199.4	196.8	191.3	184.2	174.6
132.5°	177.9	188.1	195.4	200.4	203.2	204.5	203.2	200.4	195.4	188.1	177.9
135°	182.0	192.6	200.3	205.2	207.7	209.0	207.7	205.2	200.3	192.6	182.0
137.5°	185.5	195.2	203.2	208.3	210.6	211.5	210.6	208.3	203.2	195.2	185.5
140°	188.1	196.5	204.5	209.4	211.9	212.3	211.9	209.4	204.5	196.5	188.1
142.5°	191.4	198.0	205.0	209.9	212.4	213.0	212.4	209.9	205.0	198.0	191.4
145°	197.4	201.3	206.1	210.6	212.9	213.5	212.9	210.6	206.1	201.3	197.4
147.5°	205.0	206.2	208.7	211.7	213.9	214.3	213.9	211.7	208.7	206.2	205.0
150°	210.6	210.3	211.3	213.2	215.2	214.8	215.2	213.2	211.3	210.3	210.6
152.5°	217.1	215.2	215.2	216.1	217.0	216.9	217.0	216.1	215.2	215.2	217.1
155°	228.0	224.5	222.6	221.9	221.9	221.6	221.9	221.9	222.6	224.5	228.0
157.5°	240.1	235.1	232.2	230.7	230.2	229.5	230.2	230.7	232.2	235.1	240.1
160°	248.3	242.9	240.0	237.4	236.4	235.4	236.4	237.4	240.0	242.9	248.3
162.5°	256.1	250.8	247.7	245.4	244.4	242.9	244.4	245.4	247.7	250.8	256.1
165°	268.6	263.1	259.6	257.7	256.4	255.1	256.4	257.7	259.6	263.1	268.6
167.5°	281.2	275.2	272.9	270.7	269.5	267.1	269.5	270.7	272.9	275.2	281.2
170°	288.9	283.4	282.1	280.2	278.0	275.4	278.0	280.2	282.1	283.4	288.9
172.5°	295.6	291.9	290.6	288.7	288.0	285.9	288.0	288.7	290.6	291.9	295.6
175°	305.3	302.4	302.4	302.1	301.1	299.2	301.1	302.1	302.4	302.4	305.3
177.5°	313.5	311.9	312.9	312.9	312.7	310.9	312.7	312.9	312.9	311.9	313.5
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428596

CATALOG NUMBER: SQ2W-WBN-K-025U-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°	3.7	3.3	3.0	2.8
90°	5.8	3.5	2.3	1.0
92.5°	12.5	8.7	6.1	3.5
95°	25.1	20.0	14.2	10.0
97.5°	40.0	31.7	26.0	19.1
100°	48.0	39.9	34.5	27.1
102.5°	56.8	50.0	42.5	35.0
105°	72.5	64.1	55.4	47.0
107.5°	87.0	77.8	67.4	59.8
110°	96.3	86.3	75.4	68.6

TEST NUMBER: P1428596

CATALOG NUMBER: SQ2W-WBN-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	105.3	95.1	83.9	77.1
115°	117.6	106.3	96.0	90.2
117.5°	129.3	117.8	106.9	102.3
120°	136.6	125.0	114.3	110.8
122.5°	142.5	131.2	121.3	119.8
125°	151.4	139.8	131.4	133.3
127.5°	158.6	148.0	142.7	147.0
130°	163.0	153.6	150.4	156.5
132.5°	166.8	159.6	158.1	166.6
135°	172.6	168.5	169.7	181.3
137.5°	179.5	177.9	182.2	196.9
140°	183.9	184.9	191.0	207.4
142.5°	189.8	192.1	200.0	217.5
145°	199.0	203.9	214.2	231.6
147.5°	209.5	215.7	228.5	246.3
150°	216.4	224.5	238.0	255.1
152.5°	224.4	232.7	246.3	263.6
155°	236.7	246.1	260.2	275.1
157.5°	249.3	258.8	272.4	285.3
160°	257.0	267.3	279.6	291.5
162.5°	265.8	275.3	286.0	296.6
165°	278.6	286.3	295.0	304.0
167.5°	289.4	295.8	302.6	309.7
170°	296.3	301.5	307.3	312.7
172.5°	302.2	306.4	310.6	315.3
175°	310.2	312.4	315.0	317.9
177.5°	316.3	317.1	317.8	319.1
180°	318.9	318.9	318.9	318.9



TEST NUMBER: P1428596
 CATALOG NUMBER: SQ2W-WBN-K-025U-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	6.55	7.44	7.17	8.04	8.72	6.17	7.07	6.79	7.66	8.34
	3H	7.78	8.57	8.41	9.18	9.90	7.38	8.17	8.02	8.79	9.50
	4H	8.30	9.04	8.96	9.66	10.40	7.91	8.64	8.56	9.27	10.00
	6H	8.66	9.33	9.32	9.97	10.71	8.24	8.92	8.91	9.55	10.30
	8H	8.81	9.44	9.49	10.10	10.85	8.38	9.02	9.06	9.67	10.42
	12H	8.90	9.51	9.58	10.15	10.92	8.45	9.06	9.13	9.71	10.48
4H	2H	6.88	7.61	7.54	8.24	8.97	6.57	7.30	7.23	7.93	8.66
	3H	8.38	8.98	9.04	9.65	10.39	8.04	8.64	8.70	9.31	10.05
	4H	9.03	9.57	9.71	10.24	11.02	8.67	9.21	9.35	9.89	10.67
	6H	9.52	9.98	10.22	10.67	11.47	9.13	9.60	9.84	10.29	11.09
	8H	9.72	10.15	10.43	10.85	11.65	9.32	9.76	10.03	10.45	11.25
	12H	9.86	10.24	10.59	10.96	11.77	9.44	9.81	10.16	10.54	11.34
8H	4H	9.19	9.62	9.89	10.31	11.11	8.87	9.30	9.58	10.00	10.80
	6H	9.82	10.17	10.55	10.91	11.71	9.47	9.81	10.20	10.55	11.36
	8H	10.13	10.44	10.88	11.18	12.00	9.75	10.05	10.50	10.80	11.62
	12H	10.36	10.63	11.11	11.36	12.25	9.95	10.22	10.70	10.95	11.84
12H	4H	9.17	9.55	9.89	10.27	11.07	8.87	9.24	9.59	9.97	10.77
	6H	9.85	10.15	10.60	10.90	11.72	9.51	9.82	10.26	10.56	11.38
	8H	10.20	10.47	10.95	11.20	12.09	9.83	10.10	10.58	10.83	11.72