

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: P1435925

Luminaire Tested: SQ2W-FB-K-025U-125D-L830-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435925
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-025U-125D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

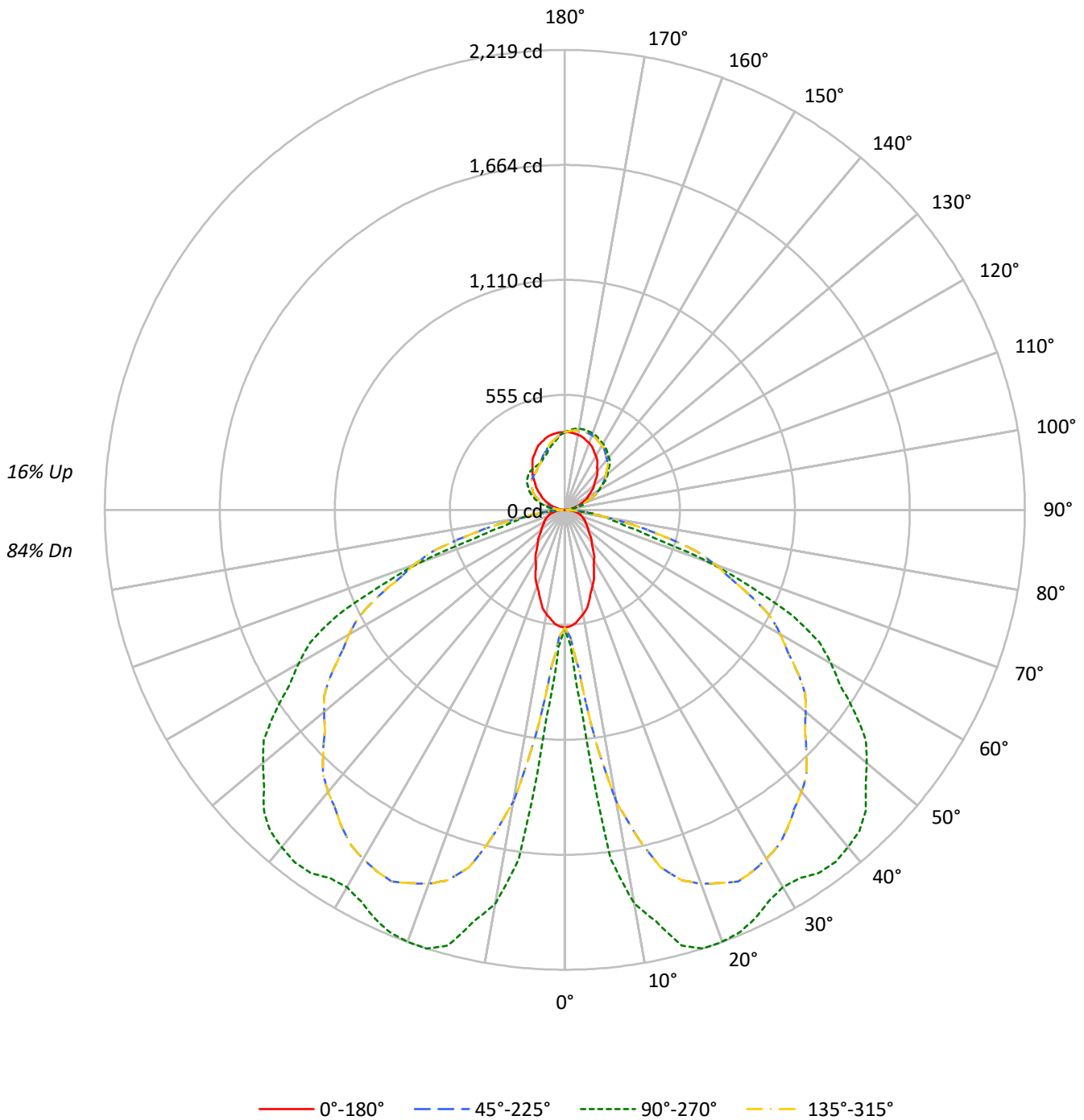
Lumens per Lamp: N/A
Luminaire Lumens: 6705.4 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 56.7
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	102	102	102	94	94	94	87	87	87	84				84
1	105	100	96	92	101	97	93	89	89	86	84	83	80	78	77	75	73	70				70
2	95	87	80	75	91	84	78	72	78	73	68	72	68	64	67	63	61	58				58
3	86	76	68	61	82	73	66	60	68	62	57	63	58	54	58	54	51	48				48
4	79	67	58	51	75	64	56	50	60	53	47	55	50	45	51	47	43	40				40
5	72	59	50	43	69	57	49	42	53	46	40	49	43	39	46	41	37	34				34
6	66	53	44	37	63	51	43	36	47	40	35	44	38	33	41	36	32	29				29
7	61	47	39	32	58	46	38	32	43	36	30	40	34	29	37	32	28	26				26
8	56	43	34	29	54	42	34	28	39	32	27	36	30	26	34	29	25	22				22
9	53	39	31	25	50	38	30	25	35	29	24	33	27	23	31	26	22	20				20
10	49	36	28	23	47	35	27	22	33	26	21	31	25	20	29	23	20	18				18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9171	9171	9171	9171
5°	8940	16241	8940	16241
10°	8371	31606	8371	31606
15°	7577	36377	7577	36377
20°	6709	38095	6709	38095
25°	5934	38720	5934	38720
30°	5242	39197	5242	39197
35°	4683	42140	4683	42140
40°	4260	44775	4260	44775
45°	3927	46886	3927	46886
50°	3705	47737	3705	47737
55°	3612	48115	3612	48115
60°	3704	47878	3704	47878
65°	3859	46524	3859	46524
70°	3994	35188	3994	35188
75°	4429	19419	4429	19419
80°	4575	18029	4575	18029
85°	4557	7595	4557	7595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 48551 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	1.4
10°-20°	434.2	6.5
20°-30°	764.0	11.4
30°-40°	989.0	14.7
40°-50°	1090.7	16.3
50°-60°	1018.0	15.2
60°-70°	786.5	11.7
70°-80°	362.5	5.4
80°-90°	70.9	1.1
90°-100°	29.8	0.4
100°-110°	87.0	1.3
110°-120°	142.0	2.1
120°-130°	180.2	2.7
130°-140°	192.8	2.9
140°-150°	180.0	2.7
150°-160°	148.1	2.2
160°-170°	99.3	1.5
170°-180°	35.3	0.5
0°-30°	1293.4	19.3
0°-40°	2282.4	34.0
0°-60°	4391.1	65.5
0°-90°	5611.0	83.7
90°-120°	258.8	3.9
90°-150°	811.7	12.1
90°-180°	1094.0	16.3
0°-180°	6705.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	552	1002	552	1002	552	51
15°	453	2176	453	2176	453	126
25°	333	2174	333	2174	333	153
35°	238	2138	238	2138	238	149
45°	172	2053	172	2053	172	133
55°	128	1709	128	1709	128	116
65°	101	1218	101	1218	101	99
75°	71	311	71	311	71	73
85°	25	41	25	41	25	26
90°	1	8	1	16	1	2
95°	12	9	12	51	12	14
105°	55	89	55	122	55	59
115°	106	147	106	181	106	104
125°	157	233	157	222	157	140
135°	213	305	213	246	213	165
145°	272	351	272	251	272	170
155°	323	382	323	260	323	149
165°	357	398	357	300	357	101
175°	374	390	374	352	374	35
180°	375	375	375	375	375	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0
2.5°	563.6	574.3	584.9	596.4	608.0	620.6	634.2	645.9	651.7	657.5	651.7
5°	551.6	588.0	624.4	677.2	735.4	801.6	875.6	939.0	970.6	1002.1	970.6
7.5°	530.3	604.3	678.3	835.2	1019.7	1211.2	1409.7	1574.4	1637.5	1700.6	1637.5
10°	510.6	613.8	716.9	983.0	1303.4	1549.7	1722.1	1859.8	1893.8	1927.8	1893.8
12.5°	488.8	628.8	768.9	1097.3	1488.6	1744.6	1865.5	1964.9	1999.9	2034.8	1999.9
15°	453.3	653.5	853.8	1225.1	1653.5	1916.9	2015.2	2098.6	2137.4	2176.3	2137.4
17.5°	416.7	683.2	949.7	1328.5	1744.8	2001.6	2098.9	2177.2	2198.3	2219.4	2198.3
20°	390.5	703.6	1016.7	1396.2	1797.9	2040.6	2124.4	2190.5	2203.9	2217.2	2203.9
22.5°	366.4	716.4	1066.4	1446.5	1836.5	2063.2	2126.6	2177.7	2192.0	2206.3	2192.0
25°	333.1	727.5	1122.0	1500.9	1874.7	2081.6	2121.6	2154.1	2163.8	2173.5	2163.8
27.5°	300.9	717.7	1134.4	1508.5	1868.5	2061.6	2087.8	2109.8	2119.3	2128.7	2119.3
30°	281.2	704.8	1128.3	1499.1	1852.2	2038.5	2057.9	2075.8	2089.2	2102.5	2089.2
32.5°	263.8	689.3	1114.7	1480.9	1827.2	2009.6	2028.1	2049.1	2078.0	2106.9	2078.0
35°	237.6	656.2	1074.9	1437.2	1780.6	1966.9	1996.0	2031.2	2084.6	2138.0	2084.6
37.5°	215.2	614.0	1012.7	1371.3	1716.4	1919.5	1980.4	2038.9	2090.4	2141.9	2090.4
40°	202.1	584.3	966.6	1322.5	1669.6	1883.8	1965.1	2037.0	2080.7	2124.4	2080.7
42.5°	189.0	550.8	912.7	1265.7	1615.7	1838.2	1933.1	2015.2	2058.8	2102.5	2058.8
45°	172.0	497.3	822.5	1172.3	1530.3	1765.2	1876.8	1970.9	2012.1	2053.4	2012.1
47.5°	156.2	438.7	721.2	1072.6	1446.8	1693.2	1811.6	1908.0	1938.1	1968.2	1938.1
50°	147.5	399.9	652.3	1004.8	1390.8	1642.0	1758.5	1851.9	1876.2	1900.5	1876.2
52.5°	138.7	362.0	585.3	938.6	1335.2	1588.3	1698.0	1785.9	1808.2	1830.6	1808.2
55°	128.3	310.4	492.4	841.9	1247.3	1497.9	1593.7	1670.5	1689.9	1709.3	1689.9
57.5°	119.1	265.9	412.7	751.3	1153.7	1395.8	1477.6	1542.9	1558.7	1574.4	1558.7
60°	114.7	242.1	369.5	694.5	1085.2	1317.6	1391.7	1451.1	1466.9	1482.7	1466.9
62.5°	108.1	219.1	330.0	637.7	1011.0	1231.7	1299.9	1354.8	1369.6	1384.4	1369.6
65°	101.0	190.8	280.6	557.9	897.7	1096.2	1153.2	1198.4	1208.1	1217.8	1208.1
67.5°	91.2	167.4	243.6	484.9	781.3	947.2	982.6	1004.7	986.5	968.3	986.5
70°	84.6	155.0	225.4	440.5	703.9	841.6	853.8	849.8	797.6	745.4	797.6
72.5°	80.3	142.9	205.5	391.7	619.2	719.5	692.8	648.1	549.3	450.5	549.3
75°	71.0	122.0	172.9	313.1	483.0	509.7	393.2	306.4	308.9	311.3	308.9
77.5°	57.9	96.0	134.1	220.3	322.4	342.7	281.1	235.4	237.6	239.7	237.6
80°	49.2	79.5	109.8	143.8	179.0	195.4	193.0	191.4	192.7	193.9	192.7
82.5°	40.4	63.0	85.6	105.9	125.6	136.6	139.1	140.5	138.8	137.1	138.8
85°	24.6	37.9	51.3	59.2	65.2	63.4	53.7	45.8	43.4	41.0	43.4
87.5°	9.0	14.1	19.4	18.0	14.3	12.4	12.4	12.5	12.6	12.6	12.6
90°	1.1	2.7	4.5	6.1	7.2	7.6	7.6	8.0	8.3	8.3	8.3
92.5°	4.2	6.6	6.7	6.7	8.1	8.8	9.4	9.5	9.8	9.8	9.8
95°	11.7	12.9	19.3	18.9	12.9	10.2	8.7	8.7	8.7	8.7	8.7
97.5°	22.4	24.1	25.1	33.7	35.6	34.4	28.0	23.6	21.1	19.9	21.1
100°	31.8	32.6	34.8	35.2	44.7	53.8	49.2	43.5	41.6	40.5	41.6
102.5°	41.2	41.6	45.1	46.7	48.9	54.1	69.8	68.1	66.8	66.6	66.8
105°	55.3	55.7	62.1	65.1	66.6	66.6	66.3	73.8	85.9	88.6	85.9
107.5°	70.3	72.1	79.7	87.8	89.5	90.0	88.0	86.9	86.4	86.7	86.4
110°	80.6	83.3	92.4	102.6	105.3	106.0	105.3	104.1	103.4	103.4	103.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	90.6	94.5	104.8	116.5	121.0	123.3	121.6	120.8	120.0	120.6	120.0
115°	106.0	111.7	125.3	137.4	146.5	147.7	147.3	147.3	146.9	146.9	146.9
117.5°	120.3	129.3	144.6	158.7	169.2	172.3	173.8	173.3	172.9	173.6	172.9
120°	130.2	140.8	158.3	174.2	184.4	188.9	190.4	189.7	190.4	189.7	190.4
122.5°	140.8	153.9	171.0	187.5	199.5	204.7	206.5	206.7	206.8	206.4	206.8
125°	156.8	172.7	192.7	209.8	222.3	228.3	229.8	230.2	231.0	232.9	231.0
127.5°	172.8	190.8	212.9	229.3	242.1	249.4	251.8	252.6	254.2	255.0	254.2
130°	184.0	204.5	226.8	242.3	254.8	262.8	266.9	268.1	270.0	269.6	270.0
132.5°	195.8	217.2	239.8	256.0	267.5	276.1	279.7	282.9	283.6	284.1	283.6
135°	213.2	236.3	259.0	274.9	285.9	294.2	298.7	301.8	303.7	304.8	303.7
137.5°	231.4	255.8	277.6	291.8	302.8	310.0	315.2	318.4	320.3	321.2	320.3
140°	243.8	267.3	288.5	303.3	313.1	320.3	324.9	328.6	330.9	330.9	330.9
142.5°	255.6	278.8	299.4	314.2	322.8	329.4	334.3	337.1	339.7	339.7	339.7
145°	272.2	295.3	314.3	329.0	336.2	342.3	347.6	349.9	351.4	351.4	351.4
147.5°	289.6	310.0	327.3	341.4	347.5	354.6	358.8	360.6	362.5	361.7	362.5
150°	299.9	318.8	335.5	348.7	354.8	361.6	365.8	367.3	369.2	368.0	369.2
152.5°	309.9	327.9	343.0	355.4	360.5	367.3	372.1	373.6	374.9	374.1	374.9
155°	323.3	339.3	353.3	364.6	369.2	375.6	380.1	382.0	383.6	381.7	383.6
157.5°	335.4	349.1	361.3	371.7	376.6	382.1	386.4	388.7	390.2	389.4	390.2
160°	342.7	355.2	366.1	376.0	380.5	385.4	390.0	392.6	394.2	393.0	394.2
162.5°	348.7	360.0	370.4	379.3	383.2	387.6	393.0	395.4	396.9	395.4	396.9
165°	357.4	366.5	375.6	383.2	386.6	390.0	395.7	398.3	399.5	397.9	399.5
167.5°	364.0	371.0	378.3	384.8	387.3	390.7	396.3	398.5	400.0	398.1	400.0
170°	367.6	373.7	380.1	385.4	387.3	390.4	396.0	397.9	399.1	397.2	399.1
172.5°	370.7	375.2	380.4	385.1	386.1	388.5	393.9	395.8	396.7	395.1	396.7
175°	373.7	376.4	380.1	383.2	382.8	384.3	388.9	390.4	391.9	389.6	391.9
177.5°	375.1	376.4	377.6	379.4	378.2	378.2	381.5	382.4	382.7	381.5	382.7
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0
2.5°	645.9	634.2	620.6	608.0	596.4	584.9	574.3	563.6	574.3	584.9	596.4
5°	939.0	875.6	801.6	735.4	677.2	624.4	588.0	551.6	588.0	624.4	677.2
7.5°	1574.4	1409.7	1211.2	1019.7	835.2	678.3	604.3	530.3	604.3	678.3	835.2
10°	1859.8	1722.1	1549.7	1303.4	983.0	716.9	613.8	510.6	613.8	716.9	983.0
12.5°	1964.9	1865.5	1744.6	1488.6	1097.3	768.9	628.8	488.8	628.8	768.9	1097.3
15°	2098.6	2015.2	1916.9	1653.5	1225.1	853.8	653.5	453.3	653.5	853.8	1225.1
17.5°	2177.2	2098.9	2001.6	1744.8	1328.5	949.7	683.2	416.7	683.2	949.7	1328.5
20°	2190.5	2124.4	2040.6	1797.9	1396.2	1016.7	703.6	390.5	703.6	1016.7	1396.2
22.5°	2177.7	2126.6	2063.2	1836.5	1446.5	1066.4	716.4	366.4	716.4	1066.4	1446.5
25°	2154.1	2121.6	2081.6	1874.7	1500.9	1122.0	727.5	333.1	727.5	1122.0	1500.9
27.5°	2109.8	2087.8	2061.6	1868.5	1508.5	1134.4	717.7	300.9	717.7	1134.4	1508.5
30°	2075.8	2057.9	2038.5	1852.2	1499.1	1128.3	704.8	281.2	704.8	1128.3	1499.1
32.5°	2049.1	2028.1	2009.6	1827.2	1480.9	1114.7	689.3	263.8	689.3	1114.7	1480.9
35°	2031.2	1996.0	1966.9	1780.6	1437.2	1074.9	656.2	237.6	656.2	1074.9	1437.2
37.5°	2038.9	1980.4	1919.5	1716.4	1371.3	1012.7	614.0	215.2	614.0	1012.7	1371.3
40°	2037.0	1965.1	1883.8	1669.6	1322.5	966.6	584.3	202.1	584.3	966.6	1322.5
42.5°	2015.2	1933.1	1838.2	1615.7	1265.7	912.7	550.8	189.0	550.8	912.7	1265.7
45°	1970.9	1876.8	1765.2	1530.3	1172.3	822.5	497.3	172.0	497.3	822.5	1172.3
47.5°	1908.0	1811.6	1693.2	1446.8	1072.6	721.2	438.7	156.2	438.7	721.2	1072.6
50°	1851.9	1758.5	1642.0	1390.8	1004.8	652.3	399.9	147.5	399.9	652.3	1004.8
52.5°	1785.9	1698.0	1588.3	1335.2	938.6	585.3	362.0	138.7	362.0	585.3	938.6
55°	1670.5	1593.7	1497.9	1247.3	841.9	492.4	310.4	128.3	310.4	492.4	841.9
57.5°	1542.9	1477.6	1395.8	1153.7	751.3	412.7	265.9	119.1	265.9	412.7	751.3
60°	1451.1	1391.7	1317.6	1085.2	694.5	369.5	242.1	114.7	242.1	369.5	694.5
62.5°	1354.8	1299.9	1231.7	1011.0	637.7	330.0	219.1	108.1	219.1	330.0	637.7
65°	1198.4	1153.2	1096.2	897.7	557.9	280.6	190.8	101.0	190.8	280.6	557.9
67.5°	1004.7	982.6	947.2	781.3	484.9	243.6	167.4	91.2	167.4	243.6	484.9
70°	849.8	853.8	841.6	703.9	440.5	225.4	155.0	84.6	155.0	225.4	440.5
72.5°	648.1	692.8	719.5	619.2	391.7	205.5	142.9	80.3	142.9	205.5	391.7
75°	306.4	393.2	509.7	483.0	313.1	172.9	122.0	71.0	122.0	172.9	313.1
77.5°	235.4	281.1	342.7	322.4	220.3	134.1	96.0	57.9	96.0	134.1	220.3
80°	191.4	193.0	195.4	179.0	143.8	109.8	79.5	49.2	79.5	109.8	143.8
82.5°	140.5	139.1	136.6	125.6	105.9	85.6	63.0	40.4	63.0	85.6	105.9
85°	45.8	53.7	63.4	65.2	59.2	51.3	37.9	24.6	37.9	51.3	59.2
87.5°	12.5	12.4	12.4	14.3	18.0	19.4	14.1	9.0	14.1	19.3	18.1
90°	8.0	7.6	7.6	7.2	6.1	4.5	2.7	1.1	2.7	4.2	6.8
92.5°	9.5	9.4	8.8	8.1	6.7	6.7	6.6	4.2	7.2	10.2	14.7
95°	8.7	8.7	10.2	12.9	18.9	19.3	12.9	11.7	16.7	23.5	29.5
97.5°	23.6	28.0	34.4	35.6	33.7	25.1	24.1	22.4	30.5	37.3	47.0
100°	43.5	49.2	53.8	44.7	35.2	34.8	32.6	31.8	40.5	46.9	56.4
102.5°	68.1	69.8	54.1	48.9	46.7	45.1	41.6	41.2	49.9	58.8	66.7
105°	73.8	66.3	66.6	66.6	65.1	62.1	55.7	55.3	65.1	75.3	85.2
107.5°	86.9	88.0	90.0	89.5	87.8	79.7	72.1	70.3	79.2	91.5	102.3
110°	104.1	105.3	106.0	105.3	102.6	92.4	83.3	80.6	88.6	101.5	113.2



TEST NUMBER: P1435925

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	120.8	121.6	123.3	121.0	116.5	104.8	94.5	90.6	98.6	111.8	123.8
115°	147.3	147.3	147.7	146.5	137.4	125.3	111.7	106.0	112.8	124.9	138.2
117.5°	173.3	173.8	172.3	169.2	158.7	144.6	129.3	120.3	125.6	138.4	152.1
120°	189.7	190.4	188.9	184.4	174.2	158.3	140.8	130.2	134.4	146.9	160.5
122.5°	206.7	206.5	204.7	199.5	187.5	171.0	153.9	140.8	142.6	154.2	167.5
125°	230.2	229.8	228.3	222.3	209.8	192.7	172.7	156.8	154.5	164.3	178.0
127.5°	252.6	251.8	249.4	242.1	229.3	212.9	190.8	172.8	167.7	173.9	186.4
130°	268.1	266.9	262.8	254.8	242.3	226.8	204.5	184.0	176.8	180.6	191.6
132.5°	282.9	279.7	276.1	267.5	256.0	239.8	217.2	195.8	185.9	187.6	196.1
135°	301.8	298.7	294.2	285.9	274.9	259.0	236.3	213.2	199.5	198.0	202.9
137.5°	318.4	315.2	310.0	302.8	291.8	277.6	255.8	231.4	214.2	209.2	211.0
140°	328.6	324.9	320.3	313.1	303.3	288.5	267.3	243.8	224.5	217.3	216.2
142.5°	337.1	334.3	329.4	322.8	314.2	299.4	278.8	255.6	235.1	225.8	223.2
145°	349.9	347.6	342.3	336.2	329.0	314.3	295.3	272.2	251.8	239.7	234.0
147.5°	360.6	358.8	354.6	347.5	341.4	327.3	310.0	289.6	268.6	253.6	246.3
150°	367.3	365.8	361.6	354.8	348.7	335.5	318.8	299.9	279.8	263.9	254.4
152.5°	373.6	372.1	367.3	360.5	355.4	343.0	327.9	309.9	289.5	273.6	263.8
155°	382.0	380.1	375.6	369.2	364.6	353.3	339.3	323.3	305.9	289.3	278.3
157.5°	388.7	386.4	382.1	376.6	371.7	361.3	349.1	335.4	320.2	304.3	293.1
160°	392.6	390.0	385.4	380.5	376.0	366.1	355.2	342.7	328.6	314.3	302.1
162.5°	395.4	393.0	387.6	383.2	379.3	370.4	360.0	348.7	336.2	323.7	312.4
165°	398.3	395.7	390.0	386.6	383.2	375.6	366.5	357.4	346.8	336.6	327.5
167.5°	398.5	396.3	390.7	387.3	384.8	378.3	371.0	364.0	355.8	347.7	340.2
170°	397.9	396.0	390.4	387.3	385.4	380.1	373.7	367.6	361.2	354.4	348.3
172.5°	395.8	393.9	388.5	386.1	385.1	380.4	375.2	370.7	365.1	360.2	355.3
175°	390.4	388.9	384.3	382.8	383.2	380.1	376.4	373.7	370.3	367.3	364.6
177.5°	382.4	381.5	378.2	378.2	379.4	377.6	376.4	375.1	373.6	372.7	371.8
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1435925

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0
2.5°	608.0	620.6	634.2	645.9	651.7	657.5	651.7	645.9	634.2	620.6	608.0
5°	735.4	801.6	875.6	939.0	970.6	1002.1	970.6	939.0	875.6	801.6	735.4
7.5°	1019.7	1211.2	1409.7	1574.4	1637.5	1700.6	1637.5	1574.4	1409.7	1211.2	1019.7
10°	1303.4	1549.7	1722.1	1859.8	1893.8	1927.8	1893.8	1859.8	1722.1	1549.7	1303.4
12.5°	1488.6	1744.6	1865.5	1964.9	1999.9	2034.8	1999.9	1964.9	1865.5	1744.6	1488.6
15°	1653.5	1916.9	2015.2	2098.6	2137.4	2176.3	2137.4	2098.6	2015.2	1916.9	1653.5
17.5°	1744.8	2001.6	2098.9	2177.2	2198.3	2219.4	2198.3	2177.2	2098.9	2001.6	1744.8
20°	1797.9	2040.6	2124.4	2190.5	2203.9	2217.2	2203.9	2190.5	2124.4	2040.6	1797.9
22.5°	1836.5	2063.2	2126.6	2177.7	2192.0	2206.3	2192.0	2177.7	2126.6	2063.2	1836.5
25°	1874.7	2081.6	2121.6	2154.1	2163.8	2173.5	2163.8	2154.1	2121.6	2081.6	1874.7
27.5°	1868.5	2061.6	2087.8	2109.8	2119.3	2128.7	2119.3	2109.8	2087.8	2061.6	1868.5
30°	1852.2	2038.5	2057.9	2075.8	2089.2	2102.5	2089.2	2075.8	2057.9	2038.5	1852.2
32.5°	1827.2	2009.6	2028.1	2049.1	2078.0	2106.9	2078.0	2049.1	2028.1	2009.6	1827.2
35°	1780.6	1966.9	1996.0	2031.2	2084.6	2138.0	2084.6	2031.2	1996.0	1966.9	1780.6
37.5°	1716.4	1919.5	1980.4	2038.9	2090.4	2141.9	2090.4	2038.9	1980.4	1919.5	1716.4
40°	1669.6	1883.8	1965.1	2037.0	2080.7	2124.4	2080.7	2037.0	1965.1	1883.8	1669.6
42.5°	1615.7	1838.2	1933.1	2015.2	2058.8	2102.5	2058.8	2015.2	1933.1	1838.2	1615.7
45°	1530.3	1765.2	1876.8	1970.9	2012.1	2053.4	2012.1	1970.9	1876.8	1765.2	1530.3
47.5°	1446.8	1693.2	1811.6	1908.0	1938.1	1968.2	1938.1	1908.0	1811.6	1693.2	1446.8
50°	1390.8	1642.0	1758.5	1851.9	1876.2	1900.5	1876.2	1851.9	1758.5	1642.0	1390.8
52.5°	1335.2	1588.3	1698.0	1785.9	1808.2	1830.6	1808.2	1785.9	1698.0	1588.3	1335.2
55°	1247.3	1497.9	1593.7	1670.5	1689.9	1709.3	1689.9	1670.5	1593.7	1497.9	1247.3
57.5°	1153.7	1395.8	1477.6	1542.9	1558.7	1574.4	1558.7	1542.9	1477.6	1395.8	1153.7
60°	1085.2	1317.6	1391.7	1451.1	1466.9	1482.7	1466.9	1451.1	1391.7	1317.6	1085.2
62.5°	1011.0	1231.7	1299.9	1354.8	1369.6	1384.4	1369.6	1354.8	1299.9	1231.7	1011.0
65°	897.7	1096.2	1153.2	1198.4	1208.1	1217.8	1208.1	1198.4	1153.2	1096.2	897.7
67.5°	781.3	947.2	982.6	1004.7	986.5	968.3	986.5	1004.7	982.6	947.2	781.3
70°	703.9	841.6	853.8	849.8	797.6	745.4	797.6	849.8	853.8	841.6	703.9
72.5°	619.2	719.5	692.8	648.1	549.3	450.5	549.3	648.1	692.8	719.5	619.2
75°	483.0	509.7	393.2	306.4	308.9	311.3	308.9	306.4	393.2	509.7	483.0
77.5°	322.4	342.7	281.1	235.4	237.6	239.7	237.6	235.4	281.1	342.7	322.4
80°	179.0	195.4	193.0	191.4	192.7	193.9	192.7	191.4	193.0	195.4	179.0
82.5°	125.6	136.6	139.1	140.5	138.8	137.1	138.8	140.5	139.1	136.6	125.6
85°	65.2	63.4	53.7	45.8	43.4	41.0	43.4	45.8	53.7	63.4	65.2
87.5°	14.6	13.2	13.7	14.0	14.3	14.2	14.3	14.0	13.7	13.2	14.6
90°	8.7	11.4	14.0	15.5	17.0	16.3	17.0	15.5	14.0	11.4	8.7
92.5°	17.5	22.0	25.2	27.9	29.2	29.0	29.2	27.9	25.2	22.0	17.5
95°	35.2	40.5	45.8	49.6	51.9	51.1	51.9	49.6	45.8	40.5	35.2
97.5°	54.3	61.4	67.3	70.9	73.2	74.7	73.2	70.9	67.3	61.4	54.3
100°	67.0	73.8	80.6	84.8	88.6	90.1	88.6	84.8	80.6	73.8	67.0
102.5°	77.3	86.3	93.7	98.1	101.3	102.8	101.3	98.1	93.7	86.3	77.3
105°	94.3	103.7	111.7	117.4	120.8	121.9	120.8	117.4	111.7	103.7	94.3
107.5°	111.2	121.0	128.4	134.6	138.8	141.2	138.8	134.6	128.4	121.0	111.2
110°	124.6	132.5	140.5	146.2	150.3	151.8	150.3	146.2	140.5	132.5	124.6



TEST NUMBER: P1435925

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	135.8	144.6	152.6	158.3	163.0	165.2	163.0	158.3	152.6	144.6	135.8
115°	151.5	163.2	170.4	175.7	179.1	181.0	179.1	175.7	170.4	163.2	151.5
117.5°	164.5	176.7	184.6	188.7	190.3	191.7	190.3	188.7	184.6	176.7	164.5
120°	172.7	184.0	193.1	198.4	200.3	201.1	200.3	198.4	193.1	184.0	172.7
122.5°	180.2	191.0	199.8	206.3	209.4	210.1	209.4	206.3	199.8	191.0	180.2
125°	190.8	201.1	210.1	216.6	220.0	221.9	220.0	216.6	210.1	201.1	190.8
127.5°	200.1	211.1	219.5	225.3	228.6	230.1	228.6	225.3	219.5	211.1	200.1
130°	205.2	216.6	224.9	231.3	234.4	235.9	234.4	231.3	224.9	216.6	205.2
132.5°	209.2	221.1	229.8	235.6	238.9	240.4	238.9	235.6	229.8	221.1	209.2
135°	213.9	226.4	235.5	241.2	244.2	245.7	244.2	241.2	235.5	226.4	213.9
137.5°	218.1	229.4	238.9	244.9	247.6	248.6	247.6	244.9	238.9	229.4	218.1
140°	221.1	231.0	240.4	246.1	249.1	249.5	249.1	246.1	240.4	231.0	221.1
142.5°	225.1	232.8	241.0	246.7	249.7	250.4	249.7	246.7	241.0	232.8	225.1
145°	232.1	236.6	242.3	247.6	250.3	251.0	250.3	247.6	242.3	236.6	232.1
147.5°	241.0	242.4	245.4	248.8	251.4	251.9	251.4	248.8	245.4	242.4	241.0
150°	247.6	247.2	248.4	250.7	252.9	252.5	252.9	250.7	248.4	247.2	247.6
152.5°	255.2	253.0	252.9	254.0	255.0	255.0	255.0	254.0	252.9	253.0	255.2
155°	268.1	263.9	261.6	260.9	260.9	260.5	260.9	260.9	261.6	263.9	268.1
157.5°	282.2	276.4	273.0	271.2	270.6	269.8	270.6	271.2	273.0	276.4	282.2
160°	291.9	285.5	282.1	279.0	277.9	276.8	277.9	279.0	282.1	285.5	291.9
162.5°	301.0	294.9	291.2	288.4	287.3	285.6	287.3	288.4	291.2	294.9	301.0
165°	315.8	309.3	305.2	302.9	301.4	299.9	301.4	302.9	305.2	309.3	315.8
167.5°	330.5	323.5	320.8	318.2	316.8	314.0	316.8	318.2	320.8	323.5	330.5
170°	339.6	333.2	331.7	329.4	326.8	323.7	326.8	329.4	331.7	333.2	339.6
172.5°	347.5	343.2	341.7	339.4	338.6	336.1	338.6	339.4	341.7	343.2	347.5
175°	358.9	355.5	355.5	355.2	354.0	351.7	354.0	355.2	355.5	355.5	358.9
177.5°	368.5	366.7	367.9	367.9	367.6	365.5	367.6	367.9	367.9	366.7	368.5
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1435925

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	568.0	568.0	568.0	568.0
2.5°	596.4	584.9	574.3	563.6
5°	677.2	624.4	588.0	551.6
7.5°	835.2	678.3	604.3	530.3
10°	983.0	716.9	613.8	510.6
12.5°	1097.3	768.9	628.8	488.8
15°	1225.1	853.8	653.5	453.3
17.5°	1328.5	949.7	683.2	416.7
20°	1396.2	1016.7	703.6	390.5
22.5°	1446.5	1066.4	716.4	366.4
25°	1500.9	1122.0	727.5	333.1
27.5°	1508.5	1134.4	717.7	300.9
30°	1499.1	1128.3	704.8	281.2
32.5°	1480.9	1114.7	689.3	263.8
35°	1437.2	1074.9	656.2	237.6
37.5°	1371.3	1012.7	614.0	215.2
40°	1322.5	966.6	584.3	202.1
42.5°	1265.7	912.7	550.8	189.0
45°	1172.3	822.5	497.3	172.0
47.5°	1072.6	721.2	438.7	156.2
50°	1004.8	652.3	399.9	147.5
52.5°	938.6	585.3	362.0	138.7
55°	841.9	492.4	310.4	128.3
57.5°	751.3	412.7	265.9	119.1
60°	694.5	369.5	242.1	114.7
62.5°	637.7	330.0	219.1	108.1
65°	557.9	280.6	190.8	101.0
67.5°	484.9	243.6	167.4	91.2
70°	440.5	225.4	155.0	84.6
72.5°	391.7	205.5	142.9	80.3
75°	313.1	172.9	122.0	71.0
77.5°	220.3	134.1	96.0	57.9
80°	143.8	109.8	79.5	49.2
82.5°	105.9	85.6	63.0	40.4
85°	59.2	51.3	37.9	24.6
87.5°	18.1	19.3	14.1	9.0
90°	6.8	4.2	2.7	1.1
92.5°	14.7	10.2	7.2	4.2
95°	29.5	23.5	16.7	11.7
97.5°	47.0	37.3	30.5	22.4
100°	56.4	46.9	40.5	31.8
102.5°	66.7	58.8	49.9	41.2
105°	85.2	75.3	65.1	55.3
107.5°	102.3	91.5	79.2	70.3
110°	113.2	101.5	88.6	80.6



TEST NUMBER: P1435925

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	123.8	111.8	98.6	90.6
115°	138.2	124.9	112.8	106.0
117.5°	152.1	138.4	125.6	120.3
120°	160.5	146.9	134.4	130.2
122.5°	167.5	154.2	142.6	140.8
125°	178.0	164.3	154.5	156.8
127.5°	186.4	173.9	167.7	172.8
130°	191.6	180.6	176.8	184.0
132.5°	196.1	187.6	185.9	195.8
135°	202.9	198.0	199.5	213.2
137.5°	211.0	209.2	214.2	231.4
140°	216.2	217.3	224.5	243.8
142.5°	223.2	225.8	235.1	255.6
145°	234.0	239.7	251.8	272.2
147.5°	246.3	253.6	268.6	289.6
150°	254.4	263.9	279.8	299.9
152.5°	263.8	273.6	289.5	309.9
155°	278.3	289.3	305.9	323.3
157.5°	293.1	304.3	320.2	335.4
160°	302.1	314.3	328.6	342.7
162.5°	312.4	323.7	336.2	348.7
165°	327.5	336.6	346.8	357.4
167.5°	340.2	347.7	355.8	364.0
170°	348.3	354.4	361.2	367.6
172.5°	355.3	360.2	365.1	370.7
175°	364.6	367.3	370.3	373.7
177.5°	371.8	372.7	373.6	375.1
180°	374.8	374.8	374.8	374.8



TEST NUMBER: P1435925
 CATALOG NUMBER: SQ2W-FB-K-025U-125D-L830-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	16.52	17.85	17.11	18.46	19.15	26.11	27.44	26.71	28.05	28.74
	3H	17.49	18.69	18.10	19.31	20.03	27.75	28.95	28.36	29.57	30.30
	4H	17.91	19.04	18.54	19.67	20.41	27.95	29.08	28.58	29.72	30.46
	6H	18.19	19.23	18.83	19.88	20.63	28.05	29.10	28.70	29.74	30.50
	8H	18.29	19.29	18.95	19.96	20.72	28.08	29.08	28.74	29.75	30.51
	12H	18.36	19.31	19.02	19.97	20.76	28.08	29.03	28.74	29.69	30.48
4H	2H	21.29	22.42	21.93	23.06	23.80	26.54	27.67	27.17	28.30	29.04
	3H	22.47	23.41	23.11	24.08	24.84	28.47	29.41	29.11	30.08	30.84
	4H	22.77	23.62	23.43	24.30	25.09	28.71	29.57	29.37	30.24	31.03
	6H	22.93	23.67	23.62	24.38	25.18	28.87	29.61	29.55	30.32	31.12
	8H	22.98	23.68	23.67	24.38	25.19	28.93	29.62	29.62	30.32	31.13
	12H	23.01	23.63	23.72	24.36	25.18	28.93	29.56	29.64	30.28	31.10
8H	4H	24.00	24.69	24.69	25.40	26.21	28.84	29.53	29.53	30.24	31.05
	6H	24.28	24.86	25.00	25.60	26.42	29.06	29.63	29.78	30.38	31.19
	8H	24.39	24.90	25.12	25.64	26.47	29.16	29.67	29.89	30.42	31.25
	12H	24.45	24.90	25.19	25.64	26.53	29.18	29.63	29.92	30.37	31.26
12H	4H	24.05	24.67	24.76	25.40	26.22	28.82	29.44	29.53	30.17	30.98
	6H	24.39	24.91	25.13	25.65	26.48	29.05	29.56	29.78	30.31	31.14
	8H	24.55	25.00	25.29	25.74	26.63	29.17	29.62	29.91	30.36	31.25