

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: P1428658

Luminaire Tested: SQ2W-WBN-K-150U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428658
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-150U-125D-L940-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 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

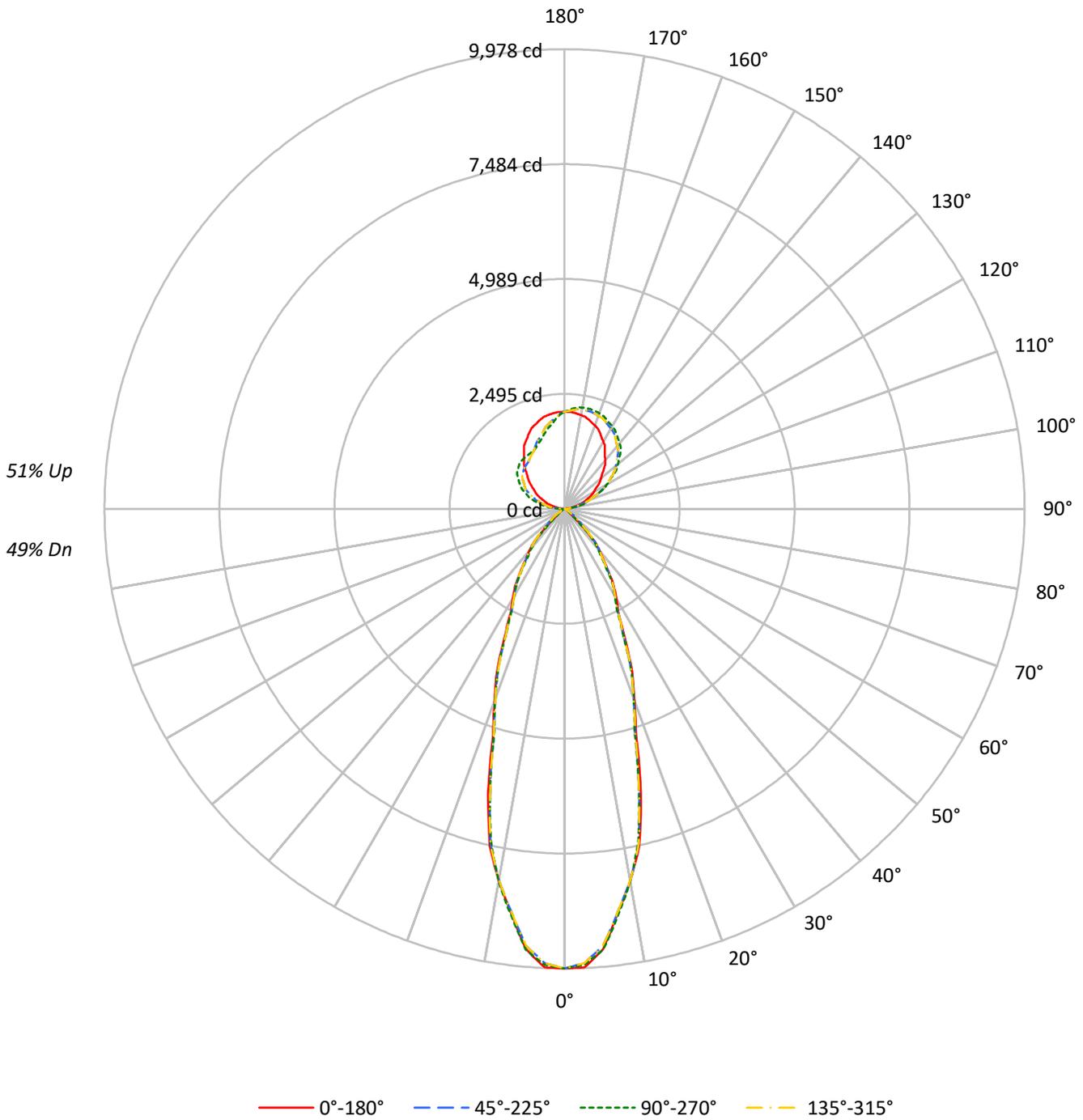
Lumens per Lamp: N/A
Luminaire Lumens: 11952.9 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.9
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	0
RCR																		
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	100	96	93	90	92	89	86	84	75	74	72	63	62	61	52	51	50	45
2	93	87	82	78	86	81	77	73	69	66	64	59	57	55	49	47	46	42
3	87	79	73	68	80	74	69	65	64	60	57	54	52	50	46	44	43	39
4	81	72	66	61	75	67	62	58	59	55	52	51	48	46	43	41	40	36
5	76	66	59	55	70	62	56	52	54	50	47	47	44	42	41	39	37	34
6	71	61	54	49	66	57	51	47	51	46	43	44	41	39	38	36	35	32
7	67	56	50	45	62	53	47	43	47	43	40	42	38	36	36	34	32	30
8	63	52	46	41	59	50	44	40	44	40	37	39	36	33	34	32	30	28
9	59	49	43	38	55	46	41	37	42	37	34	37	34	31	33	30	29	27
10	56	46	40	35	52	43	38	34	39	35	32	35	32	29	31	29	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	161097	161097	161097	161097
5°	155544	155716	155544	155716
10°	134446	134765	134446	134765
15°	106985	104026	106985	104026
20°	76002	75545	76002	75545
25°	54678	53227	54678	53227
30°	41778	40557	41778	40557
35°	32794	31398	32794	31398
40°	24847	23317	24847	23317
45°	13903	12408	13903	12408
50°	4890	4313	4890	4313
55°	2989	2840	2989	2840
60°	2286	2115	2286	2115
65°	2097	1960	2097	1960
70°	2006	1836	2006	1836
75°	1878	1765	1878	1765
80°	1646	1646	1646	1646
85°	1649	1315	1649	1315

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 16486 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	866.1	7.2
10°-20°	1721.4	14.4
20°-30°	1425.6	11.9
30°-40°	1025.5	8.6
40°-50°	522.4	4.4
50°-60°	135.8	1.1
60°-70°	56.4	0.5
70°-80°	31.3	0.3
80°-90°	18.0	0.2
90°-100°	167.6	1.4
100°-110°	488.9	4.1
110°-120°	797.8	6.7
120°-130°	1012.4	8.5
130°-140°	1083.3	9.1
140°-150°	1011.5	8.5
150°-160°	832.4	7.0
160°-170°	558.2	4.7
170°-180°	198.2	1.7
0°-30°	4013.1	33.6
0°-40°	5038.6	42.2
0°-60°	5696.9	47.7
0°-90°	5802.6	48.5
90°-120°	1454.3	12.2
90°-150°	4561.5	38.2
90°-180°	6150.0	51.5
0°-180°	11952.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9978	9978	9978	9978	9978	
5°	9597	9608	9597	9608	9597	866
15°	6400	6224	6400	6224	6400	1737
25°	3069	2988	3069	2988	3069	1444
35°	1664	1593	1664	1593	1664	1044
45°	609	543	609	543	609	487
55°	106	101	106	101	106	104
65°	55	51	55	51	55	55
75°	30	28	30	28	30	32
85°	9	7	9	7	9	9
90°	6	47	6	92	6	6
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8
2.5°	9962.2	9954.6	9947.1	9913.6	9871.4	9868.0	9903.2	9927.4	9918.6	9909.8	9918.6
5°	9597.2	9590.9	9584.6	9555.9	9519.7	9532.3	9593.7	9636.2	9622.0	9607.8	9622.0
7.5°	8843.5	8848.9	8854.2	8839.5	8818.1	8834.6	8888.8	8925.8	8910.7	8895.6	8910.7
10°	8200.6	8214.8	8229.0	8208.9	8177.4	8201.4	8280.9	8327.1	8273.6	8220.1	8273.6
12.5°	7491.2	7482.1	7473.0	7454.6	7433.2	7428.9	7441.6	7443.8	7414.2	7384.7	7414.2
15°	6400.5	6367.5	6334.4	6283.7	6227.0	6208.6	6228.2	6240.8	6232.2	6223.5	6232.2
17.5°	5155.5	5168.2	5180.9	5146.6	5096.6	5070.6	5068.7	5064.9	5055.1	5045.4	5055.1
20°	4423.4	4427.3	4431.2	4409.8	4379.9	4372.8	4388.5	4400.0	4398.4	4396.8	4398.4
22.5°	3834.3	3835.1	3835.9	3807.5	3769.4	3762.0	3785.3	3799.2	3785.1	3770.9	3785.1
25°	3069.3	3066.9	3064.5	3045.7	3021.3	3003.2	2991.4	2983.1	2985.5	2987.8	2985.5
27.5°	2517.0	2507.3	2497.5	2481.4	2463.1	2457.9	2465.8	2470.2	2464.4	2458.6	2464.4
30°	2240.9	2233.0	2225.2	2209.0	2190.1	2183.1	2187.8	2189.6	2182.5	2175.4	2182.5
32.5°	1993.1	1993.4	1993.7	1979.2	1959.6	1948.8	1946.6	1943.6	1938.4	1933.2	1938.4
35°	1663.8	1668.6	1673.3	1661.5	1644.2	1629.6	1617.8	1607.2	1600.1	1593.0	1600.1
37.5°	1370.0	1374.4	1378.8	1369.0	1354.3	1338.4	1321.0	1306.6	1300.6	1294.6	1300.6
40°	1178.9	1182.0	1185.1	1178.3	1168.0	1152.7	1132.2	1115.7	1111.0	1106.3	1111.0
42.5°	970.7	983.9	997.1	992.8	982.5	967.8	948.6	931.6	921.3	910.9	921.3
45°	608.9	650.6	692.3	711.0	722.0	716.9	695.6	664.6	604.0	543.4	604.0
47.5°	308.0	365.7	423.5	464.9	501.0	489.5	430.5	371.4	311.9	252.4	311.9
50°	194.7	234.8	274.9	325.7	380.0	368.2	290.3	225.2	198.4	171.7	198.4
52.5°	149.4	170.0	190.6	238.8	296.3	290.8	222.3	167.3	152.5	137.7	152.5
55°	106.2	114.1	121.9	148.7	181.7	179.8	142.8	113.5	107.2	100.9	107.2
57.5°	82.1	86.5	90.9	100.9	112.7	111.6	97.6	86.1	82.2	78.2	82.2
60°	70.8	73.9	77.1	82.0	87.5	86.7	79.7	73.4	69.4	65.5	69.4
62.5°	63.7	65.6	67.5	69.7	72.1	71.0	66.4	62.7	61.2	59.8	61.2
65°	54.9	55.7	56.4	56.6	56.6	55.9	54.3	52.9	52.1	51.3	52.1
67.5°	46.7	47.5	48.3	48.4	48.2	47.8	47.0	46.2	45.4	44.6	45.4
70°	42.5	43.3	44.1	43.7	42.9	42.1	41.3	40.5	39.7	38.9	39.7
72.5°	36.8	37.6	38.4	38.0	37.2	36.7	36.6	36.3	35.5	34.7	35.5
75°	30.1	30.1	30.1	30.1	30.1	29.7	28.9	28.3	28.3	28.3	28.3
77.5°	23.4	23.5	23.7	23.1	22.3	21.9	21.9	21.8	21.2	20.5	21.2
80°	17.7	18.5	19.3	18.9	18.1	17.7	17.7	17.7	17.7	17.7	17.7
82.5°	14.9	15.0	15.2	14.6	13.8	13.5	13.5	13.5	13.5	13.5	13.5
85°	8.9	8.9	8.9	8.3	7.5	7.5	8.3	8.7	7.9	7.1	7.9
87.5°	4.1	5.8	7.9	9.6	10.9	11.3	11.3	11.8	12.2	12.2	12.2
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8
2.5°	9927.4	9903.2	9868.0	9871.4	9913.6	9947.1	9954.6	9962.2	9954.6	9947.1	9913.6
5°	9636.2	9593.7	9532.3	9519.7	9555.9	9584.6	9590.9	9597.2	9590.9	9584.6	9555.9
7.5°	8925.8	8888.8	8834.6	8818.1	8839.5	8854.2	8848.9	8843.5	8848.9	8854.2	8839.5
10°	8327.1	8280.9	8201.4	8177.4	8208.9	8229.0	8214.8	8200.6	8214.8	8229.0	8208.9
12.5°	7443.8	7441.6	7428.9	7433.2	7454.6	7473.0	7482.1	7491.2	7482.1	7473.0	7454.6
15°	6240.8	6228.2	6208.6	6227.0	6283.7	6334.4	6367.5	6400.5	6367.5	6334.4	6283.7
17.5°	5064.9	5068.7	5070.6	5096.6	5146.6	5180.9	5168.2	5155.5	5168.2	5180.9	5146.6
20°	4400.0	4388.5	4372.8	4379.9	4409.8	4431.2	4427.3	4423.4	4427.3	4431.2	4409.8
22.5°	3799.2	3785.3	3762.0	3769.4	3807.5	3835.9	3835.1	3834.3	3835.1	3835.9	3807.5
25°	2983.1	2991.4	3003.2	3021.3	3045.7	3064.5	3066.9	3069.3	3066.9	3064.5	3045.7
27.5°	2470.2	2465.8	2457.9	2463.1	2481.4	2497.5	2507.3	2517.0	2507.3	2497.5	2481.4
30°	2189.6	2187.8	2183.1	2190.1	2209.0	2225.2	2233.0	2240.9	2233.0	2225.2	2209.0
32.5°	1943.6	1946.6	1948.8	1959.6	1979.2	1993.7	1993.4	1993.1	1993.4	1993.7	1979.2
35°	1607.2	1617.8	1629.6	1644.2	1661.5	1673.3	1668.6	1663.8	1668.6	1673.3	1661.5
37.5°	1306.6	1321.0	1338.4	1354.3	1369.0	1378.8	1374.4	1370.0	1374.4	1378.8	1369.0
40°	1115.7	1132.2	1152.7	1168.0	1178.3	1185.1	1182.0	1178.9	1182.0	1185.1	1178.3
42.5°	931.6	948.6	967.8	982.5	992.8	997.1	983.9	970.7	983.9	997.1	992.8
45°	664.6	695.6	716.9	722.0	711.0	692.3	650.6	608.9	650.6	692.3	711.0
47.5°	371.4	430.5	489.5	501.0	464.9	423.5	365.7	308.0	365.7	423.5	464.9
50°	225.2	290.3	368.2	380.0	325.7	274.9	234.8	194.7	234.8	274.9	325.7
52.5°	167.3	222.3	290.8	296.3	238.8	190.6	170.0	149.4	170.0	190.6	238.8
55°	113.5	142.8	179.8	181.7	148.7	121.9	114.1	106.2	114.1	121.9	148.7
57.5°	86.1	97.6	111.6	112.7	100.9	90.9	86.5	82.1	86.5	90.9	100.9
60°	73.4	79.7	86.7	87.5	82.0	77.1	73.9	70.8	73.9	77.1	82.0
62.5°	62.7	66.4	71.0	72.1	69.7	67.5	65.6	63.7	65.6	67.5	69.7
65°	52.9	54.3	55.9	56.6	56.6	56.4	55.7	54.9	55.7	56.4	56.6
67.5°	46.2	47.0	47.8	48.2	48.4	48.3	47.5	46.7	47.5	48.3	48.4
70°	40.5	41.3	42.1	42.9	43.7	44.1	43.3	42.5	43.3	44.1	43.7
72.5°	36.3	36.6	36.7	37.2	38.0	38.4	37.6	36.8	37.6	38.4	38.0
75°	28.3	28.9	29.7	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
77.5°	21.8	21.9	21.9	22.3	23.1	23.7	23.5	23.4	23.5	23.7	23.1
80°	17.7	17.7	17.7	18.1	18.9	19.3	18.5	17.7	18.5	19.3	18.9
82.5°	13.5	13.5	13.5	13.8	14.6	15.2	15.0	14.9	15.0	15.2	14.6
85°	8.7	8.3	7.5	7.5	8.3	8.9	8.9	8.9	8.9	8.9	8.3
87.5°	11.8	11.3	11.3	10.9	9.6	7.9	5.8	4.1	5.8	7.5	10.5
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2



TEST NUMBER: P1428658

CATALOG NUMBER: SQ2W-WBN-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8
2.5°	9871.4	9868.0	9903.2	9927.4	9918.6	9909.8	9918.6	9927.4	9903.2	9868.0	9871.4
5°	9519.7	9532.3	9593.7	9636.2	9622.0	9607.8	9622.0	9636.2	9593.7	9532.3	9519.7
7.5°	8818.1	8834.6	8888.8	8925.8	8910.7	8895.6	8910.7	8925.8	8888.8	8834.6	8818.1
10°	8177.4	8201.4	8280.9	8327.1	8273.6	8220.1	8273.6	8327.1	8280.9	8201.4	8177.4
12.5°	7433.2	7428.9	7441.6	7443.8	7414.2	7384.7	7414.2	7443.8	7441.6	7428.9	7433.2
15°	6227.0	6208.6	6228.2	6240.8	6232.2	6223.5	6232.2	6240.8	6228.2	6208.6	6227.0
17.5°	5096.6	5070.6	5068.7	5064.9	5055.1	5045.4	5055.1	5064.9	5068.7	5070.6	5096.6
20°	4379.9	4372.8	4388.5	4400.0	4398.4	4396.8	4398.4	4400.0	4388.5	4372.8	4379.9
22.5°	3769.4	3762.0	3785.3	3799.2	3785.1	3770.9	3785.1	3799.2	3785.3	3762.0	3769.4
25°	3021.3	3003.2	2991.4	2983.1	2985.5	2987.8	2985.5	2983.1	2991.4	3003.2	3021.3
27.5°	2463.1	2457.9	2465.8	2470.2	2464.4	2458.6	2464.4	2470.2	2465.8	2457.9	2463.1
30°	2190.1	2183.1	2187.8	2189.6	2182.5	2175.4	2182.5	2189.6	2187.8	2183.1	2190.1
32.5°	1959.6	1948.8	1946.6	1943.6	1938.4	1933.2	1938.4	1943.6	1946.6	1948.8	1959.6
35°	1644.2	1629.6	1617.8	1607.2	1600.1	1593.0	1600.1	1607.2	1617.8	1629.6	1644.2
37.5°	1354.3	1338.4	1321.0	1306.6	1300.6	1294.6	1300.6	1306.6	1321.0	1338.4	1354.3
40°	1168.0	1152.7	1132.2	1115.7	1111.0	1106.3	1111.0	1115.7	1132.2	1152.7	1168.0
42.5°	982.5	967.8	948.6	931.6	921.3	910.9	921.3	931.6	948.6	967.8	982.5
45°	722.0	716.9	695.6	664.6	604.0	543.4	604.0	664.6	695.6	716.9	722.0
47.5°	501.0	489.5	430.5	371.4	311.9	252.4	311.9	371.4	430.5	489.5	501.0
50°	380.0	368.2	290.3	225.2	198.4	171.7	198.4	225.2	290.3	368.2	380.0
52.5°	296.3	290.8	222.3	167.3	152.5	137.7	152.5	167.3	222.3	290.8	296.3
55°	181.7	179.8	142.8	113.5	107.2	100.9	107.2	113.5	142.8	179.8	181.7
57.5°	112.7	111.6	97.6	86.1	82.2	78.2	82.2	86.1	97.6	111.6	112.7
60°	87.5	86.7	79.7	73.4	69.4	65.5	69.4	73.4	79.7	86.7	87.5
62.5°	72.1	71.0	66.4	62.7	61.2	59.8	61.2	62.7	66.4	71.0	72.1
65°	56.6	55.9	54.3	52.9	52.1	51.3	52.1	52.9	54.3	55.9	56.6
67.5°	48.2	47.8	47.0	46.2	45.4	44.6	45.4	46.2	47.0	47.8	48.2
70°	42.9	42.1	41.3	40.5	39.7	38.9	39.7	40.5	41.3	42.1	42.9
72.5°	37.2	36.7	36.6	36.3	35.5	34.7	35.5	36.3	36.6	36.7	37.2
75°	30.1	29.7	28.9	28.3	28.3	28.3	28.3	28.3	28.9	29.7	30.1
77.5°	22.3	21.9	21.9	21.8	21.2	20.5	21.2	21.8	21.9	21.9	22.3
80°	18.1	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	18.1
82.5°	13.8	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.8
85°	7.5	7.5	8.3	8.7	7.9	7.1	7.9	8.7	8.3	7.5	7.5
87.5°	12.6	15.6	18.6	20.3	22.0	21.1	22.0	20.3	18.6	15.6	12.6
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



TEST NUMBER: P1428658

CATALOG NUMBER: SQ2W-WBN-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428658

CATALOG NUMBER: SQ2W-WBN-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	9977.8	9977.8	9977.8	9977.8
2.5°	9913.6	9947.1	9954.6	9962.2
5°	9555.9	9584.6	9590.9	9597.2
7.5°	8839.5	8854.2	8848.9	8843.5
10°	8208.9	8229.0	8214.8	8200.6
12.5°	7454.6	7473.0	7482.1	7491.2
15°	6283.7	6334.4	6367.5	6400.5
17.5°	5146.6	5180.9	5168.2	5155.5
20°	4409.8	4431.2	4427.3	4423.4
22.5°	3807.5	3835.9	3835.1	3834.3
25°	3045.7	3064.5	3066.9	3069.3
27.5°	2481.4	2497.5	2507.3	2517.0
30°	2209.0	2225.2	2233.0	2240.9
32.5°	1979.2	1993.7	1993.4	1993.1
35°	1661.5	1673.3	1668.6	1663.8
37.5°	1369.0	1378.8	1374.4	1370.0
40°	1178.3	1185.1	1182.0	1178.9
42.5°	992.8	997.1	983.9	970.7
45°	711.0	692.3	650.6	608.9
47.5°	464.9	423.5	365.7	308.0
50°	325.7	274.9	234.8	194.7
52.5°	238.8	190.6	170.0	149.4
55°	148.7	121.9	114.1	106.2
57.5°	100.9	90.9	86.5	82.1
60°	82.0	77.1	73.9	70.8
62.5°	69.7	67.5	65.6	63.7
65°	56.6	56.4	55.7	54.9
67.5°	48.4	48.3	47.5	46.7
70°	43.7	44.1	43.3	42.5
72.5°	38.0	38.4	37.6	36.8
75°	30.1	30.1	30.1	30.1
77.5°	23.1	23.7	23.5	23.4
80°	18.9	19.3	18.5	17.7
82.5°	14.6	15.2	15.0	14.9
85°	8.3	8.9	8.9	8.9
87.5°	10.5	7.5	5.8	4.1
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428658
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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	3.67	4.35	4.68	5.34	6.65	3.30	3.98	4.31	4.97	6.27
	3H	4.90	5.50	5.92	6.50	7.83	4.50	5.11	5.52	6.11	7.44
	4H	5.41	5.98	6.44	6.99	8.32	5.02	5.59	6.05	6.59	7.93
	6H	5.76	6.29	6.80	7.29	8.64	5.35	5.87	6.39	6.88	8.22
	8H	5.91	6.40	6.95	7.43	8.77	5.49	5.98	6.53	7.00	8.35
	12H	6.00	6.47	7.05	7.49	8.85	5.56	6.03	6.60	7.04	8.41
4H	2H	3.99	4.56	5.03	5.56	6.90	3.68	4.25	4.72	5.25	6.59
	3H	5.48	5.95	6.52	6.99	8.33	5.14	5.61	6.18	6.65	7.99
	4H	6.13	6.56	7.18	7.58	8.96	5.78	6.21	6.82	7.23	8.60
	6H	6.62	6.99	7.67	8.03	9.40	6.23	6.60	7.29	7.65	9.02
	8H	6.83	7.17	7.88	8.21	9.59	6.43	6.77	7.48	7.81	9.19
	12H	6.97	7.27	8.04	8.33	9.71	6.54	6.84	7.61	7.90	9.28
8H	4H	6.29	6.63	7.35	7.67	9.05	5.97	6.32	7.03	7.36	8.74
	6H	6.93	7.20	8.00	8.29	9.66	6.57	6.85	7.65	7.93	9.31
	8H	7.24	7.49	8.33	8.55	9.95	6.86	7.11	7.95	8.17	9.57
	12H	7.47	7.69	8.56	8.75	10.19	7.06	7.28	8.15	8.34	9.78
12H	4H	6.27	6.57	7.34	7.63	9.01	5.96	6.27	7.03	7.32	8.71
	6H	6.96	7.20	8.04	8.27	9.67	6.62	6.86	7.70	7.93	9.33
	8H	7.31	7.52	8.39	8.58	10.02	6.94	7.16	8.03	8.22	9.66