

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: P1428653

Luminaire Tested: SQ2W-WBN-K-150U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428653
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-100D-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 1000 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

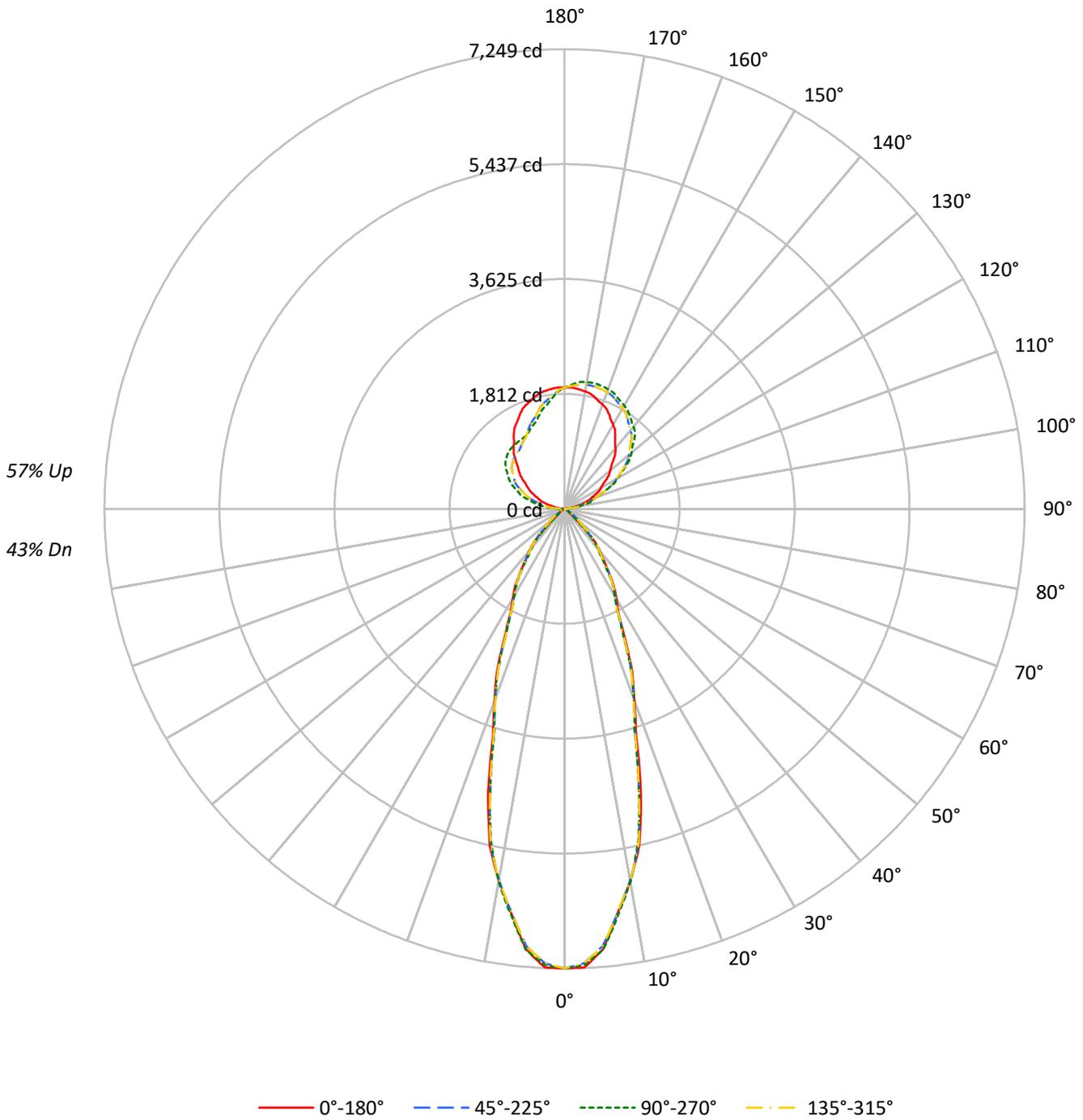
Lumens per Lamp: N/A
Luminaire Lumens: 9809.6 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.2
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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43
1	98	95	91	89	90	87	84	82	72	71	69	59	58	57	47	46	46	40
2	91	85	80	76	84	79	74	71	66	63	61	55	53	51	44	43	42	37
3	85	77	71	66	78	71	66	62	61	57	54	51	48	46	41	40	39	35
4	79	70	64	59	73	65	60	55	56	52	49	47	44	42	39	37	36	32
5	74	64	57	52	68	60	54	50	52	47	44	44	41	39	37	35	33	30
6	69	59	52	47	64	55	49	45	48	43	40	41	38	36	35	33	31	28
7	65	54	48	43	60	51	45	41	44	40	37	38	35	33	33	31	29	27
8	61	50	44	39	56	47	42	38	42	37	34	36	33	31	31	29	27	25
9	57	47	41	36	53	44	39	35	39	35	32	34	31	29	29	27	26	24
10	54	44	38	33	50	41	36	32	37	32	29	32	29	27	28	26	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	117039	117039	117039	117039
5°	113006	113131	113006	113131
10°	97678	97910	97678	97910
15°	77727	75577	77727	75577
20°	55217	54885	55217	54885
25°	39725	38670	39725	38670
30°	30351	29466	30351	29466
35°	23826	22812	23826	22812
40°	18052	16939	18052	16939
45°	10101	9015	10101	9015
50°	3554	3132	3554	3132
55°	2173	2063	2173	2063
60°	1660	1537	1660	1537
65°	1524	1425	1524	1425
70°	1459	1336	1459	1336
75°	1366	1285	1366	1285
80°	1199	1199	1199	1199
85°	1186	945	1186	945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 11976 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.3	6.4
10°-20°	1250.6	12.7
20°-30°	1035.7	10.6
30°-40°	745.1	7.6
40°-50°	379.5	3.9
50°-60°	98.7	1.0
60°-70°	41.0	0.4
70°-80°	22.8	0.2
80°-90°	14.7	0.1
90°-100°	152.4	1.6
100°-110°	444.5	4.5
110°-120°	725.4	7.4
120°-130°	920.5	9.4
130°-140°	985.0	10.0
140°-150°	919.8	9.4
150°-160°	756.8	7.7
160°-170°	507.6	5.2
170°-180°	180.2	1.8
0°-30°	2915.6	29.7
0°-40°	3660.7	37.3
0°-60°	4138.9	42.2
0°-90°	4217.3	43.0
90°-120°	1322.4	13.5
90°-150°	4147.7	42.3
90°-180°	5592.0	57.0
0°-180°	9809.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7249	7249	7249	7249	7249	
5°	6973	6980	6973	6980	6973	629
15°	4650	4522	4650	4522	4650	1262
25°	2230	2171	2230	2171	2230	1049
35°	1209	1157	1209	1157	1209	759
45°	442	395	442	395	442	354
55°	77	73	77	73	77	76
65°	40	37	40	37	40	40
75°	22	21	22	21	22	23
85°	6	5	6	5	6	7
90°	6	43	6	83	6	5
95°	60	44	60	261	60	72
105°	282	453	282	623	282	300
115°	542	751	542	925	542	534
125°	801	1190	801	1134	801	717
135°	1089	1557	1089	1256	1089	842
145°	1391	1795	1391	1283	1391	870
155°	1652	1950	1652	1331	1652	759
165°	1826	2033	1826	1532	1826	514
175°	1910	1991	1910	1797	1910	181
180°	1915	1915	1915	1915	1915	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0
2.5°	7237.7	7232.2	7226.8	7202.4	7171.8	7169.3	7194.9	7212.5	7206.1	7199.7	7206.1
5°	6972.6	6968.0	6963.4	6942.6	6916.3	6925.4	6970.0	7000.9	6990.6	6980.3	6990.6
7.5°	6425.0	6428.9	6432.8	6422.1	6406.5	6418.5	6457.9	6484.8	6473.8	6462.8	6473.8
10°	5957.9	5968.2	5978.5	5963.9	5941.1	5958.5	6016.2	6049.8	6010.9	5972.1	6010.9
12.5°	5442.5	5435.9	5429.2	5415.9	5400.4	5397.2	5406.5	5408.1	5386.6	5365.1	5386.6
15°	4650.1	4626.1	4602.1	4565.2	4524.1	4510.6	4524.9	4534.1	4527.8	4521.5	4527.8
17.5°	3745.5	3754.8	3764.1	3739.1	3702.8	3683.9	3682.5	3679.7	3672.6	3665.5	3672.6
20°	3213.7	3216.5	3219.4	3203.8	3182.1	3176.9	3188.4	3196.7	3195.5	3194.4	3195.5
22.5°	2785.7	2786.3	2786.8	2766.2	2738.6	2733.2	2750.1	2760.2	2749.9	2739.6	2749.9
25°	2229.9	2228.2	2226.5	2212.7	2195.0	2181.9	2173.3	2167.3	2169.0	2170.7	2169.0
27.5°	1828.7	1821.6	1814.5	1802.8	1789.5	1785.7	1791.5	1794.7	1790.5	1786.2	1790.5
30°	1628.0	1622.3	1616.6	1604.9	1591.2	1586.0	1589.5	1590.8	1585.6	1580.5	1585.6
32.5°	1448.0	1448.2	1448.5	1437.9	1423.7	1415.8	1414.2	1412.1	1408.3	1404.5	1408.3
35°	1208.8	1212.2	1215.7	1207.1	1194.5	1184.0	1175.4	1167.7	1162.5	1157.4	1162.5
37.5°	995.3	998.5	1001.7	994.6	983.9	972.3	959.8	949.3	944.9	940.6	944.9
40°	856.5	858.7	861.0	856.0	848.6	837.5	822.6	810.6	807.2	803.7	807.2
42.5°	705.2	714.8	724.4	721.3	713.8	703.1	689.2	676.9	669.3	661.8	669.3
45°	442.4	472.7	503.0	516.5	524.5	520.8	505.4	482.8	438.8	394.8	438.8
47.5°	223.8	265.7	307.7	337.8	364.0	355.6	312.7	269.8	226.6	183.4	226.6
50°	141.5	170.6	199.8	236.6	276.1	267.5	210.9	163.6	144.2	124.7	144.2
52.5°	108.5	123.5	138.5	173.5	215.2	211.2	161.5	121.5	110.8	100.0	110.8
55°	77.2	82.9	88.6	108.0	132.0	130.6	103.7	82.4	77.9	73.3	77.9
57.5°	59.7	62.9	66.1	73.3	81.9	81.1	70.9	62.6	59.7	56.8	59.7
60°	51.4	53.7	56.0	59.6	63.6	63.0	57.9	53.3	50.4	47.6	50.4
62.5°	46.3	47.7	49.0	50.7	52.4	51.6	48.3	45.5	44.5	43.5	44.5
65°	39.9	40.4	41.0	41.2	41.2	40.6	39.4	38.4	37.9	37.3	37.9
67.5°	33.9	34.5	35.1	35.2	35.0	34.7	34.1	33.5	33.0	32.4	33.0
70°	30.9	31.4	32.0	31.7	31.1	30.6	30.0	29.4	28.9	28.3	28.9
72.5°	26.7	27.3	27.9	27.6	27.0	26.7	26.6	26.3	25.8	25.2	25.8
75°	21.9	21.9	21.9	21.9	21.9	21.6	21.0	20.6	20.6	20.6	20.6
77.5°	17.0	17.1	17.2	16.8	16.2	15.9	15.9	15.8	15.4	14.9	15.4
80°	12.9	13.4	14.0	13.7	13.1	12.9	12.9	12.9	12.9	12.9	12.9
82.5°	10.8	10.9	11.0	10.6	10.1	9.8	9.8	9.8	9.8	9.8	9.8
85°	6.4	6.4	6.4	6.0	5.4	5.4	6.0	6.3	5.7	5.1	5.7
87.5°	3.2	4.8	6.7	8.2	9.4	9.8	9.8	10.2	10.6	10.6	10.6
90°	5.8	13.5	23.2	31.0	36.8	38.7	38.7	40.6	42.6	42.6	42.6
92.5°	21.3	33.7	34.0	34.0	41.4	44.9	48.0	48.4	50.3	50.3	50.3
95°	60.0	65.8	98.7	96.7	65.8	52.2	44.5	44.5	44.5	44.5	44.5
97.5°	114.5	123.0	128.5	172.2	181.9	175.7	143.2	120.3	107.6	101.8	107.6
100°	162.5	166.4	178.0	179.9	228.3	274.7	251.5	222.5	212.8	207.0	212.8
102.5°	210.5	212.8	230.6	238.7	250.0	276.3	356.7	347.8	341.3	340.1	341.3
105°	282.5	284.4	317.3	332.8	340.5	340.5	338.6	377.3	439.2	452.7	439.2
107.5°	359.5	368.4	407.0	448.4	457.3	459.7	449.6	443.8	441.5	443.0	441.5
110°	412.1	425.6	472.1	524.3	537.8	541.7	537.8	532.0	528.2	528.2	528.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	463.2	482.9	535.5	595.5	618.3	629.9	621.4	617.2	613.3	616.4	613.3
115°	541.7	570.7	640.4	702.3	748.7	754.5	752.6	752.6	750.6	750.6	750.6
117.5°	614.4	660.9	739.0	811.0	864.8	880.3	888.0	885.7	883.4	887.2	883.4
120°	665.5	719.7	808.7	889.9	942.2	965.4	973.1	969.3	973.1	969.3	973.1
122.5°	719.7	786.2	873.7	958.0	1019.6	1045.9	1055.2	1055.9	1056.7	1054.4	1056.7
125°	800.9	882.2	984.7	1071.8	1135.6	1166.6	1174.3	1176.3	1180.1	1189.8	1180.1
127.5°	883.0	975.1	1087.7	1171.6	1237.0	1274.5	1286.5	1290.8	1298.9	1303.2	1298.9
130°	940.2	1044.7	1158.8	1238.2	1302.0	1342.6	1363.9	1369.7	1379.4	1377.5	1379.4
132.5°	1000.6	1109.7	1225.4	1307.8	1367.0	1410.7	1428.9	1445.6	1449.0	1451.8	1449.0
135°	1089.2	1207.2	1323.3	1404.5	1460.7	1503.2	1526.4	1541.9	1551.6	1557.4	1551.6
137.5°	1182.5	1307.0	1418.5	1490.8	1547.3	1584.1	1610.4	1626.6	1636.7	1641.3	1636.7
140°	1245.9	1365.9	1474.2	1549.6	1599.9	1636.7	1659.9	1679.3	1690.9	1690.9	1690.9
142.5°	1306.3	1424.7	1529.9	1605.4	1649.5	1683.1	1707.9	1722.6	1735.8	1735.8	1735.8
145°	1391.0	1509.0	1605.8	1681.2	1718.0	1748.9	1776.0	1787.6	1795.3	1795.3	1795.3
147.5°	1479.6	1584.1	1672.3	1744.7	1775.6	1812.0	1833.3	1842.6	1852.2	1848.0	1852.2
150°	1532.2	1629.0	1714.1	1781.8	1812.8	1847.6	1868.9	1876.6	1886.3	1880.5	1886.3
152.5°	1583.3	1675.4	1752.8	1815.9	1842.2	1877.0	1901.4	1909.1	1915.7	1911.4	1915.7
155°	1652.2	1733.4	1805.0	1863.1	1886.3	1919.2	1942.4	1952.1	1959.8	1950.1	1959.8
157.5°	1713.7	1783.7	1846.0	1899.4	1924.2	1952.4	1974.1	1986.1	1993.8	1989.6	1993.8
160°	1750.8	1814.7	1870.8	1921.1	1944.3	1969.5	1992.7	2006.2	2014.0	2008.2	2014.0
162.5°	1781.8	1839.5	1892.5	1938.1	1958.2	1980.3	2008.2	2020.2	2027.9	2020.5	2027.9
165°	1826.3	1872.7	1919.2	1957.9	1975.3	1992.7	2021.7	2035.2	2041.0	2033.3	2041.0
167.5°	1860.0	1895.6	1933.1	1966.4	1979.1	1996.2	2025.2	2036.4	2043.8	2034.1	2043.8
170°	1878.5	1909.5	1942.4	1969.5	1979.1	1994.6	2023.6	2033.3	2039.1	2029.4	2039.1
172.5°	1894.0	1917.2	1943.9	1967.9	1972.9	1985.3	2012.8	2022.5	2026.7	2018.6	2026.7
175°	1909.5	1923.0	1942.4	1957.9	1955.9	1963.7	1986.9	1994.6	2002.4	1990.7	2002.4
177.5°	1916.8	1923.0	1929.2	1938.5	1932.3	1932.3	1949.3	1954.0	1955.5	1949.3	1955.5
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0
2.5°	7212.5	7194.9	7169.3	7171.8	7202.4	7226.8	7232.2	7237.7	7232.2	7226.8	7202.4
5°	7000.9	6970.0	6925.4	6916.3	6942.6	6963.4	6968.0	6972.6	6968.0	6963.4	6942.6
7.5°	6484.8	6457.9	6418.5	6406.5	6422.1	6432.8	6428.9	6425.0	6428.9	6432.8	6422.1
10°	6049.8	6016.2	5958.5	5941.1	5963.9	5978.5	5968.2	5957.9	5968.2	5978.5	5963.9
12.5°	5408.1	5406.5	5397.2	5400.4	5415.9	5429.2	5435.9	5442.5	5435.9	5429.2	5415.9
15°	4534.1	4524.9	4510.6	4524.1	4565.2	4602.1	4626.1	4650.1	4626.1	4602.1	4565.2
17.5°	3679.7	3682.5	3683.9	3702.8	3739.1	3764.1	3754.8	3745.5	3754.8	3764.1	3739.1
20°	3196.7	3188.4	3176.9	3182.1	3203.8	3219.4	3216.5	3213.7	3216.5	3219.4	3203.8
22.5°	2760.2	2750.1	2733.2	2738.6	2766.2	2786.8	2786.3	2785.7	2786.3	2786.8	2766.2
25°	2167.3	2173.3	2181.9	2195.0	2212.7	2226.5	2228.2	2229.9	2228.2	2226.5	2212.7
27.5°	1794.7	1791.5	1785.7	1789.5	1802.8	1814.5	1821.6	1828.7	1821.6	1814.5	1802.8
30°	1590.8	1589.5	1586.0	1591.2	1604.9	1616.6	1622.3	1628.0	1622.3	1616.6	1604.9
32.5°	1412.1	1414.2	1415.8	1423.7	1437.9	1448.5	1448.2	1448.0	1448.2	1448.5	1437.9
35°	1167.7	1175.4	1184.0	1194.5	1207.1	1215.7	1212.2	1208.8	1212.2	1215.7	1207.1
37.5°	949.3	959.8	972.3	983.9	994.6	1001.7	998.5	995.3	998.5	1001.7	994.6
40°	810.6	822.6	837.5	848.6	856.0	861.0	858.7	856.5	858.7	861.0	856.0
42.5°	676.9	689.2	703.1	713.8	721.3	724.4	714.8	705.2	714.8	724.4	721.3
45°	482.8	505.4	520.8	524.5	516.5	503.0	472.7	442.4	472.7	503.0	516.5
47.5°	269.8	312.7	355.6	364.0	337.8	307.7	265.7	223.8	265.7	307.7	337.8
50°	163.6	210.9	267.5	276.1	236.6	199.8	170.6	141.5	170.6	199.8	236.6
52.5°	121.5	161.5	211.2	215.2	173.5	138.5	123.5	108.5	123.5	138.5	173.5
55°	82.4	103.7	130.6	132.0	108.0	88.6	82.9	77.2	82.9	88.6	108.0
57.5°	62.6	70.9	81.1	81.9	73.3	66.1	62.9	59.7	62.9	66.1	73.3
60°	53.3	57.9	63.0	63.6	59.6	56.0	53.7	51.4	53.7	56.0	59.6
62.5°	45.5	48.3	51.6	52.4	50.7	49.0	47.7	46.3	47.7	49.0	50.7
65°	38.4	39.4	40.6	41.2	41.2	41.0	40.4	39.9	40.4	41.0	41.2
67.5°	33.5	34.1	34.7	35.0	35.2	35.1	34.5	33.9	34.5	35.1	35.2
70°	29.4	30.0	30.6	31.1	31.7	32.0	31.4	30.9	31.4	32.0	31.7
72.5°	26.3	26.6	26.7	27.0	27.6	27.9	27.3	26.7	27.3	27.9	27.6
75°	20.6	21.0	21.6	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
77.5°	15.8	15.9	15.9	16.2	16.8	17.2	17.1	17.0	17.1	17.2	16.8
80°	12.9	12.9	12.9	13.1	13.7	14.0	13.4	12.9	13.4	14.0	13.7
82.5°	9.8	9.8	9.8	10.1	10.6	11.0	10.9	10.8	10.9	11.0	10.6
85°	6.3	6.0	5.4	5.4	6.0	6.4	6.4	6.4	6.4	6.4	6.0
87.5°	10.2	9.8	9.8	9.4	8.2	6.7	4.8	3.2	4.8	6.3	9.0
90°	40.6	38.7	38.7	36.8	31.0	23.2	13.5	5.8	13.5	21.3	34.8
92.5°	48.4	48.0	44.9	41.4	34.0	34.0	33.7	21.3	36.8	52.2	75.1
95°	44.5	44.5	52.2	65.8	96.7	98.7	65.8	60.0	85.1	119.9	150.9
97.5°	120.3	143.2	175.7	181.9	172.2	128.5	123.0	114.5	155.9	190.4	240.3
100°	222.5	251.5	274.7	228.3	179.9	178.0	166.4	162.5	207.0	239.9	288.3
102.5°	347.8	356.7	276.3	250.0	238.7	230.6	212.8	210.5	255.0	300.3	340.9
105°	377.3	338.6	340.5	340.5	332.8	317.3	284.4	282.5	332.8	385.0	435.3
107.5°	443.8	449.6	459.7	457.3	448.4	407.0	368.4	359.5	404.7	467.4	522.7
110°	532.0	537.8	541.7	537.8	524.3	472.1	425.6	412.1	452.7	518.5	578.5



TEST NUMBER: P1428653

CATALOG NUMBER: SQ2W-WBN-K-150U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	617.2	621.4	629.9	618.3	595.5	535.5	482.9	463.2	503.8	571.1	632.6
115°	752.6	752.6	754.5	748.7	702.3	640.4	570.7	541.7	576.5	638.4	706.1
117.5°	885.7	888.0	880.3	864.8	811.0	739.0	660.9	614.4	641.9	707.3	777.0
120°	969.3	973.1	965.4	942.2	889.9	808.7	719.7	665.5	686.8	750.6	820.3
122.5°	1055.9	1055.2	1045.9	1019.6	958.0	873.7	786.2	719.7	728.6	787.8	855.9
125°	1176.3	1174.3	1166.6	1135.6	1071.8	984.7	882.2	800.9	789.3	839.6	909.3
127.5°	1290.8	1286.5	1274.5	1237.0	1171.6	1087.7	975.1	883.0	857.0	888.8	952.6
130°	1369.7	1363.9	1342.6	1302.0	1238.2	1158.8	1044.7	940.2	903.5	922.8	978.9
132.5°	1445.6	1428.9	1410.7	1367.0	1307.8	1225.4	1109.7	1000.6	949.9	958.4	1002.1
135°	1541.9	1526.4	1503.2	1460.7	1404.5	1323.3	1207.2	1089.2	1019.6	1011.8	1037.0
137.5°	1626.6	1610.4	1584.1	1547.3	1490.8	1418.5	1307.0	1182.5	1094.6	1068.7	1078.4
140°	1679.3	1659.9	1636.7	1599.9	1549.6	1474.2	1365.9	1245.9	1147.2	1110.5	1104.7
142.5°	1722.6	1707.9	1683.1	1649.5	1605.4	1529.9	1424.7	1306.3	1201.4	1153.8	1140.3
145°	1787.6	1776.0	1748.9	1718.0	1681.2	1605.8	1509.0	1391.0	1286.5	1224.6	1195.6
147.5°	1842.6	1833.3	1812.0	1775.6	1744.7	1672.3	1584.1	1479.6	1372.4	1295.8	1258.3
150°	1876.6	1868.9	1847.6	1812.8	1781.8	1714.1	1629.0	1532.2	1429.7	1348.4	1300.1
152.5°	1909.1	1901.4	1877.0	1842.2	1815.9	1752.8	1675.4	1583.3	1479.2	1398.0	1348.1
155°	1952.1	1942.4	1919.2	1886.3	1863.1	1805.0	1733.4	1652.2	1563.2	1478.1	1422.0
157.5°	1986.1	1974.1	1952.4	1924.2	1899.4	1846.0	1783.7	1713.7	1635.9	1554.7	1497.4
160°	2006.2	1992.7	1969.5	1944.3	1921.1	1870.8	1814.7	1750.8	1679.3	1605.8	1543.8
162.5°	2020.2	2008.2	1980.3	1958.2	1938.1	1892.5	1839.5	1781.8	1718.0	1653.7	1596.5
165°	2035.2	2021.7	1992.7	1975.3	1957.9	1919.2	1872.7	1826.3	1772.1	1719.9	1673.5
167.5°	2036.4	2025.2	1996.2	1979.1	1966.4	1933.1	1895.6	1860.0	1817.8	1776.8	1738.1
170°	2033.3	2023.6	1994.6	1979.1	1969.5	1942.4	1909.5	1878.5	1845.6	1810.8	1779.9
172.5°	2022.5	2012.8	1985.3	1972.9	1967.9	1943.9	1917.2	1894.0	1865.8	1840.2	1815.5
175°	1994.6	1986.9	1963.7	1955.9	1957.9	1942.4	1923.0	1909.5	1892.1	1876.6	1863.1
177.5°	1954.0	1949.3	1932.3	1932.3	1938.5	1929.2	1923.0	1916.8	1909.1	1904.5	1899.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0	7249.0
2.5°	7171.8	7169.3	7194.9	7212.5	7206.1	7199.7	7206.1	7212.5	7194.9	7169.3	7171.8
5°	6916.3	6925.4	6970.0	7000.9	6990.6	6980.3	6990.6	7000.9	6970.0	6925.4	6916.3
7.5°	6406.5	6418.5	6457.9	6484.8	6473.8	6462.8	6473.8	6484.8	6457.9	6418.5	6406.5
10°	5941.1	5958.5	6016.2	6049.8	6010.9	5972.1	6010.9	6049.8	6016.2	5958.5	5941.1
12.5°	5400.4	5397.2	5406.5	5408.1	5386.6	5365.1	5386.6	5408.1	5406.5	5397.2	5400.4
15°	4524.1	4510.6	4524.9	4534.1	4527.8	4521.5	4527.8	4534.1	4524.9	4510.6	4524.1
17.5°	3702.8	3683.9	3682.5	3679.7	3672.6	3665.5	3672.6	3679.7	3682.5	3683.9	3702.8
20°	3182.1	3176.9	3188.4	3196.7	3195.5	3194.4	3195.5	3196.7	3188.4	3176.9	3182.1
22.5°	2738.6	2733.2	2750.1	2760.2	2749.9	2739.6	2749.9	2760.2	2750.1	2733.2	2738.6
25°	2195.0	2181.9	2173.3	2167.3	2169.0	2170.7	2169.0	2167.3	2173.3	2181.9	2195.0
27.5°	1789.5	1785.7	1791.5	1794.7	1790.5	1786.2	1790.5	1794.7	1791.5	1785.7	1789.5
30°	1591.2	1586.0	1589.5	1590.8	1585.6	1580.5	1585.6	1590.8	1589.5	1586.0	1591.2
32.5°	1423.7	1415.8	1414.2	1412.1	1408.3	1404.5	1408.3	1412.1	1414.2	1415.8	1423.7
35°	1194.5	1184.0	1175.4	1167.7	1162.5	1157.4	1162.5	1167.7	1175.4	1184.0	1194.5
37.5°	983.9	972.3	959.8	949.3	944.9	940.6	944.9	949.3	959.8	972.3	983.9
40°	848.6	837.5	822.6	810.6	807.2	803.7	807.2	810.6	822.6	837.5	848.6
42.5°	713.8	703.1	689.2	676.9	669.3	661.8	669.3	676.9	689.2	703.1	713.8
45°	524.5	520.8	505.4	482.8	438.8	394.8	438.8	482.8	505.4	520.8	524.5
47.5°	364.0	355.6	312.7	269.8	226.6	183.4	226.6	269.8	312.7	355.6	364.0
50°	276.1	267.5	210.9	163.6	144.2	124.7	144.2	163.6	210.9	267.5	276.1
52.5°	215.2	211.2	161.5	121.5	110.8	100.0	110.8	121.5	161.5	211.2	215.2
55°	132.0	130.6	103.7	82.4	77.9	73.3	77.9	82.4	103.7	130.6	132.0
57.5°	81.9	81.1	70.9	62.6	59.7	56.8	59.7	62.6	70.9	81.1	81.9
60°	63.6	63.0	57.9	53.3	50.4	47.6	50.4	53.3	57.9	63.0	63.6
62.5°	52.4	51.6	48.3	45.5	44.5	43.5	44.5	45.5	48.3	51.6	52.4
65°	41.2	40.6	39.4	38.4	37.9	37.3	37.9	38.4	39.4	40.6	41.2
67.5°	35.0	34.7	34.1	33.5	33.0	32.4	33.0	33.5	34.1	34.7	35.0
70°	31.1	30.6	30.0	29.4	28.9	28.3	28.9	29.4	30.0	30.6	31.1
72.5°	27.0	26.7	26.6	26.3	25.8	25.2	25.8	26.3	26.6	26.7	27.0
75°	21.9	21.6	21.0	20.6	20.6	20.6	20.6	20.6	21.0	21.6	21.9
77.5°	16.2	15.9	15.9	15.8	15.4	14.9	15.4	15.8	15.9	15.9	16.2
80°	13.1	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.1
82.5°	10.1	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10.1
85°	5.4	5.4	6.0	6.3	5.7	5.1	5.7	6.3	6.0	5.4	5.4
87.5°	11.0	13.7	16.4	17.9	19.5	18.7	19.5	17.9	16.4	13.7	11.0
90°	44.5	58.0	71.6	79.3	87.1	83.2	87.1	79.3	71.6	58.0	44.5
92.5°	89.4	112.2	128.8	142.8	149.0	148.2	149.0	128.8	112.2	89.4	
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	234.1	207.0	179.9	
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	344.0	313.8	277.4	
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	412.1	377.3	342.4	
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	478.6	440.7	395.1	
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	570.7	530.1	481.7	
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	655.8	618.3	568.4	
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	717.8	677.1	636.5	



TEST NUMBER: P1428653

CATALOG NUMBER: SQ2W-WBN-K-150U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	693.8	739.0	779.7	808.7	833.1	843.9	833.1	808.7	779.7	739.0	693.8
115°	773.9	833.8	870.6	897.7	915.1	924.8	915.1	897.7	870.6	833.8	773.9
117.5°	840.4	903.1	943.3	964.2	972.4	979.3	972.4	964.2	943.3	903.1	840.4
120°	882.2	940.2	986.7	1013.8	1023.4	1027.3	1023.4	1013.8	986.7	940.2	882.2
122.5°	920.9	975.8	1020.7	1054.0	1069.9	1073.7	1069.9	1054.0	1020.7	975.8	920.9
125°	975.1	1027.3	1073.7	1106.6	1124.0	1133.7	1124.0	1106.6	1073.7	1027.3	975.1
127.5°	1022.3	1078.8	1121.3	1151.1	1168.1	1175.9	1168.1	1151.1	1121.3	1078.8	1022.3
130°	1048.6	1106.6	1149.2	1182.1	1197.5	1205.3	1197.5	1182.1	1149.2	1106.6	1048.6
132.5°	1068.7	1129.8	1173.9	1203.7	1220.8	1228.5	1220.8	1203.7	1173.9	1129.8	1068.7
135°	1093.1	1156.9	1203.3	1232.4	1247.8	1255.6	1247.8	1232.4	1203.3	1156.9	1093.1
137.5°	1114.4	1172.4	1220.8	1251.3	1265.3	1270.3	1265.3	1251.3	1220.8	1172.4	1114.4
140°	1129.8	1180.1	1228.5	1257.5	1273.0	1274.9	1273.0	1257.5	1228.5	1180.1	1129.8
142.5°	1150.0	1189.4	1231.6	1260.6	1276.1	1279.6	1276.1	1260.6	1231.6	1189.4	1150.0
145°	1185.9	1209.2	1238.2	1265.3	1278.8	1282.7	1278.8	1265.3	1238.2	1209.2	1185.9
147.5°	1231.2	1238.6	1253.6	1271.4	1284.6	1287.3	1284.6	1271.4	1253.6	1238.6	1231.2
150°	1265.3	1263.3	1269.1	1280.7	1292.3	1290.4	1292.3	1280.7	1269.1	1263.3	1265.3
152.5°	1303.9	1292.7	1292.3	1297.8	1303.2	1302.8	1303.2	1297.8	1292.3	1292.7	1303.9
155°	1369.7	1348.4	1336.8	1333.0	1333.0	1331.0	1333.0	1333.0	1336.8	1348.4	1369.7
157.5°	1442.1	1412.3	1394.9	1385.6	1382.9	1378.6	1382.9	1385.6	1394.9	1412.3	1442.1
160°	1491.6	1458.7	1441.3	1425.8	1420.0	1414.2	1420.0	1425.8	1441.3	1458.7	1491.6
162.5°	1538.0	1506.7	1487.7	1473.8	1468.0	1459.1	1468.0	1473.8	1487.7	1506.7	1538.0
165°	1613.5	1580.6	1559.3	1547.7	1540.0	1532.2	1540.0	1547.7	1559.3	1580.6	1613.5
167.5°	1688.9	1653.0	1639.0	1625.9	1618.5	1604.6	1618.5	1625.9	1639.0	1653.0	1688.9
170°	1735.4	1702.5	1694.7	1683.1	1669.6	1654.1	1669.6	1683.1	1694.7	1702.5	1735.4
172.5°	1775.6	1753.6	1745.8	1734.2	1730.0	1717.6	1730.0	1734.2	1745.8	1753.6	1775.6
175°	1834.0	1816.6	1816.6	1814.7	1808.9	1797.3	1808.9	1814.7	1816.6	1816.6	1834.0
177.5°	1882.8	1873.5	1879.7	1879.7	1878.1	1867.3	1878.1	1879.7	1879.7	1873.5	1882.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428653

CATALOG NUMBER: SQ2W-WBN-K-150U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	7249.0	7249.0	7249.0	7249.0
2.5°	7202.4	7226.8	7232.2	7237.7
5°	6942.6	6963.4	6968.0	6972.6
7.5°	6422.1	6432.8	6428.9	6425.0
10°	5963.9	5978.5	5968.2	5957.9
12.5°	5415.9	5429.2	5435.9	5442.5
15°	4565.2	4602.1	4626.1	4650.1
17.5°	3739.1	3764.1	3754.8	3745.5
20°	3203.8	3219.4	3216.5	3213.7
22.5°	2766.2	2786.8	2786.3	2785.7
25°	2212.7	2226.5	2228.2	2229.9
27.5°	1802.8	1814.5	1821.6	1828.7
30°	1604.9	1616.6	1622.3	1628.0
32.5°	1437.9	1448.5	1448.2	1448.0
35°	1207.1	1215.7	1212.2	1208.8
37.5°	994.6	1001.7	998.5	995.3
40°	856.0	861.0	858.7	856.5
42.5°	721.3	724.4	714.8	705.2
45°	516.5	503.0	472.7	442.4
47.5°	337.8	307.7	265.7	223.8
50°	236.6	199.8	170.6	141.5
52.5°	173.5	138.5	123.5	108.5
55°	108.0	88.6	82.9	77.2
57.5°	73.3	66.1	62.9	59.7
60°	59.6	56.0	53.7	51.4
62.5°	50.7	49.0	47.7	46.3
65°	41.2	41.0	40.4	39.9
67.5°	35.2	35.1	34.5	33.9
70°	31.7	32.0	31.4	30.9
72.5°	27.6	27.9	27.3	26.7
75°	21.9	21.9	21.9	21.9
77.5°	16.8	17.2	17.1	17.0
80°	13.7	14.0	13.4	12.9
82.5°	10.6	11.0	10.9	10.8
85°	6.0	6.4	6.4	6.4
87.5°	9.0	6.3	4.8	3.2
90°	34.8	21.3	13.5	5.8
92.5°	75.1	52.2	36.8	21.3
95°	150.9	119.9	85.1	60.0
97.5°	240.3	190.4	155.9	114.5
100°	288.3	239.9	207.0	162.5
102.5°	340.9	300.3	255.0	210.5
105°	435.3	385.0	332.8	282.5
107.5°	522.7	467.4	404.7	359.5
110°	578.5	518.5	452.7	412.1

TEST NUMBER: P1428653

CATALOG NUMBER: SQ2W-WBN-K-150U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	632.6	571.1	503.8	463.2
115°	706.1	638.4	576.5	541.7
117.5°	777.0	707.3	641.9	614.4
120°	820.3	750.6	686.8	665.5
122.5°	855.9	787.8	728.6	719.7
125°	909.3	839.6	789.3	800.9
127.5°	952.6	888.8	857.0	883.0
130°	978.9	922.8	903.5	940.2
132.5°	1002.1	958.4	949.9	1000.6
135°	1037.0	1011.8	1019.6	1089.2
137.5°	1078.4	1068.7	1094.6	1182.5
140°	1104.7	1110.5	1147.2	1245.9
142.5°	1140.3	1153.8	1201.4	1306.3
145°	1195.6	1224.6	1286.5	1391.0
147.5°	1258.3	1295.8	1372.4	1479.6
150°	1300.1	1348.4	1429.7	1532.2
152.5°	1348.1	1398.0	1479.2	1583.3
155°	1422.0	1478.1	1563.2	1652.2
157.5°	1497.4	1554.7	1635.9	1713.7
160°	1543.8	1605.8	1679.3	1750.8
162.5°	1596.5	1653.7	1718.0	1781.8
165°	1673.5	1719.9	1772.1	1826.3
167.5°	1738.1	1776.8	1817.8	1860.0
170°	1779.9	1810.8	1845.6	1878.5
172.5°	1815.5	1840.2	1865.8	1894.0
175°	1863.1	1876.6	1892.1	1909.5
177.5°	1899.8	1904.5	1909.1	1916.8
180°	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428653
 CATALOG NUMBER: SQ2W-WBN-K-150U-100D-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	1.99	2.64	3.04	3.67	5.06	1.61	2.27	2.66	3.30	4.68
	3H	3.21	3.79	4.27	4.83	6.23	2.82	3.40	3.88	4.44	5.84
	4H	3.72	4.28	4.80	5.32	6.73	3.33	3.88	4.40	4.92	6.33
	6H	4.08	4.58	5.15	5.63	7.05	3.66	4.17	4.74	5.21	6.63
	8H	4.22	4.70	5.30	5.76	7.17	3.80	4.28	4.88	5.34	6.75
	12H	4.31	4.77	5.40	5.82	7.25	3.87	4.32	4.95	5.38	6.81
4H	2H	2.30	2.85	3.38	3.90	5.31	1.99	2.54	3.07	3.59	5.00
	3H	3.79	4.25	4.87	5.32	6.74	3.45	3.91	4.54	4.98	6.40
	4H	4.44	4.86	5.53	5.92	7.36	4.09	4.51	5.17	5.57	7.01
	6H	4.93	5.28	6.02	6.37	7.81	4.55	4.90	5.64	5.99	7.42
	8H	5.14	5.47	6.23	6.55	8.00	4.74	5.08	5.83	6.15	7.60
	12H	5.27	5.57	6.38	6.66	8.11	4.85	5.15	5.95	6.24	7.69
8H	4H	4.60	4.93	5.69	6.01	7.46	4.29	4.62	5.38	5.69	7.14
	6H	5.23	5.51	6.35	6.62	8.07	4.88	5.15	6.00	6.27	7.72
	8H	5.55	5.79	6.67	6.89	8.36	5.18	5.41	6.29	6.51	7.98
	12H	5.78	5.98	6.90	7.08	8.59	5.38	5.58	6.50	6.68	8.19
12H	4H	4.58	4.88	5.68	5.97	7.42	4.27	4.57	5.38	5.66	7.12
	6H	5.27	5.51	6.39	6.61	8.08	4.93	5.17	6.05	6.27	7.74
	8H	5.62	5.82	6.74	6.92	8.43	5.25	5.46	6.37	6.56	8.06