

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427510

Luminaire Tested: SQ2W-BBM-K-050U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427510
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-050U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

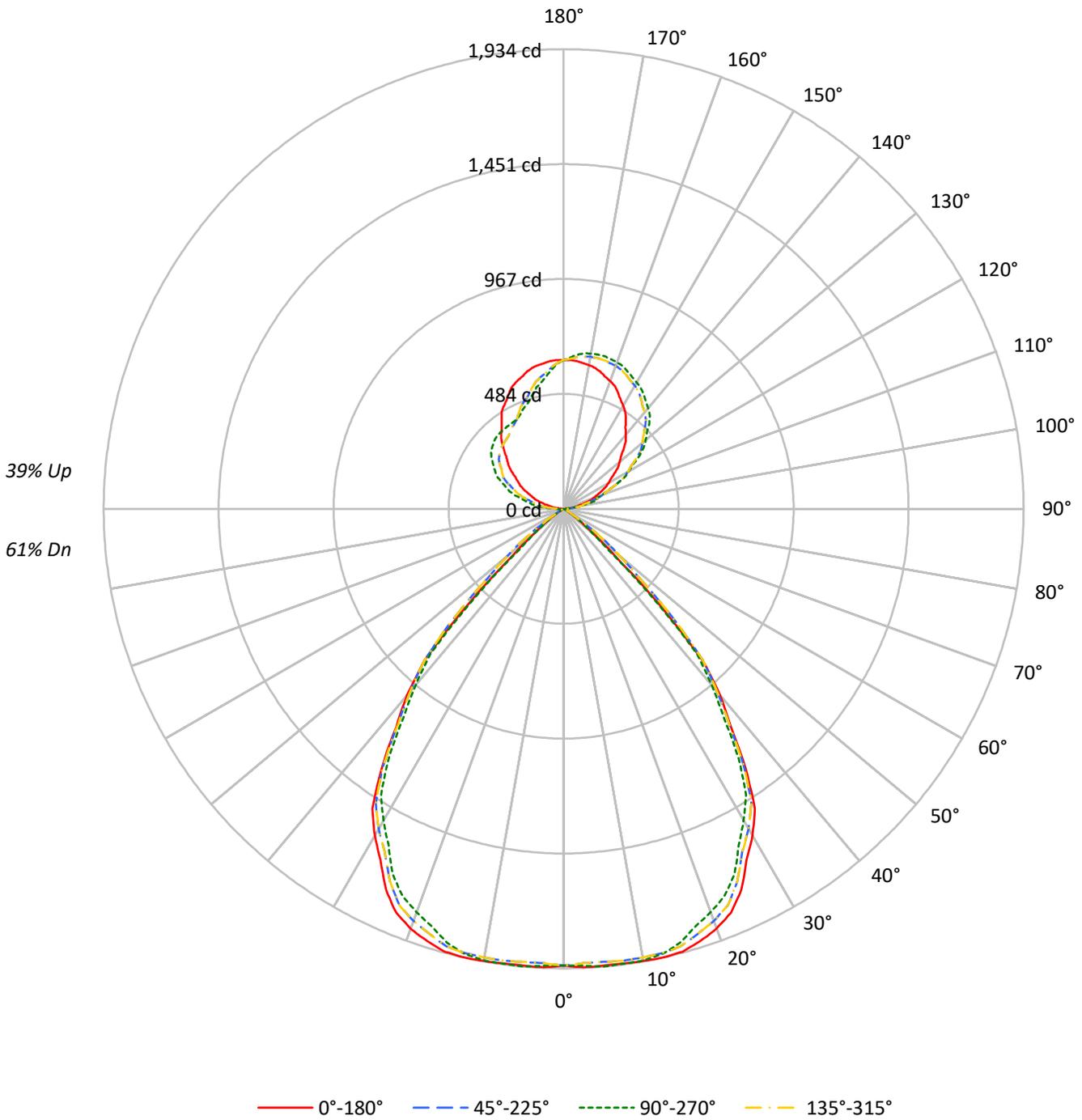
Lumens per Lamp: N/A
Luminaire Lumens: 4704.5 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 42.5
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	110	110	110	110	103	103	103	103	90	90	90	77	77	77	66	66	66	61				
1	103	99	96	93	96	93	91	88	82	80	78	72	71	69	62	61	61	56				
2	96	90	85	81	90	85	80	77	75	72	69	66	64	62	58	57	55	51				
3	89	81	75	70	84	77	72	67	69	65	61	61	58	56	54	52	50	47				
4	83	74	67	62	78	70	64	60	63	58	55	56	53	50	50	48	45	42				
5	77	67	60	55	73	64	58	53	58	53	49	52	48	45	46	44	41	39				
6	72	61	54	49	68	59	52	48	53	48	44	48	44	41	43	40	38	35				
7	67	56	49	45	63	54	48	43	49	44	40	44	40	37	40	37	35	32				
8	63	52	45	40	59	50	43	39	45	40	37	41	37	34	37	34	32	30				
9	59	48	41	37	56	46	40	36	42	37	34	38	34	31	35	32	29	27				
10	55	44	38	34	52	43	37	33	39	34	31	36	32	29	33	29	27	25				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31041	31041	31041	31041
5°	31285	31332	31285	31332
10°	31678	31632	31678	31632
15°	32250	31607	32250	31607
20°	32291	31035	32291	31035
25°	31493	30258	31493	30258
30°	29604	28224	29604	28224
35°	26276	25288	26276	25288
40°	21549	20394	21549	20394
45°	12848	12056	12848	12056
50°	4011	3793	4011	3793
55°	1517	1517	1517	1517
60°	94	32	94	32
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 15040 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	3.9
10°-20°	538.5	11.4
20°-30°	792.2	16.8
30°-40°	809.7	17.2
40°-50°	466.4	9.9
50°-60°	80.3	1.7
60°-70°	2.9	0.1
70°-80°	0.0	0.0
80°-90°	3.3	0.1
90°-100°	49.8	1.1
100°-110°	145.3	3.1
110°-120°	237.1	5.0
120°-130°	300.9	6.4
130°-140°	322.0	6.8
140°-150°	300.7	6.4
150°-160°	247.4	5.3
160°-170°	165.9	3.5
170°-180°	58.9	1.3
0°-30°	1514.5	32.2
0°-40°	2324.3	49.4
0°-60°	2871.0	61.0
0°-90°	2877.2	61.2
90°-120°	432.3	9.2
90°-150°	1355.8	28.8
90°-180°	1828.0	38.9
0°-180°	4704.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1923	1923	1923	1923	1923	
5°	1930	1933	1930	1933	1930	184
15°	1929	1891	1929	1891	1929	543
25°	1768	1698	1768	1698	1768	807
35°	1333	1283	1333	1283	1333	823
45°	563	528	563	528	563	435
55°	54	54	54	54	54	57
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	2	14	2	27	2	2
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1931.1	1928.7	1926.3	1920.6	1913.7	1914.3	1922.1	1927.6	1925.9	1924.2	1925.9
5°	1930.3	1928.2	1926.1	1920.1	1912.8	1914.9	1926.5	1934.9	1934.1	1933.2	1934.1
7.5°	1929.2	1927.7	1926.3	1922.1	1916.9	1919.1	1928.6	1935.2	1933.0	1930.9	1933.0
10°	1932.2	1931.8	1931.4	1924.9	1916.3	1917.0	1926.8	1933.6	1931.5	1929.4	1931.5
12.5°	1933.8	1936.4	1939.1	1929.7	1916.4	1913.6	1921.4	1926.3	1922.4	1918.6	1922.4
15°	1929.4	1936.6	1943.9	1930.6	1910.6	1901.2	1902.4	1902.0	1896.4	1890.9	1896.4
17.5°	1907.8	1918.1	1928.3	1910.8	1884.1	1868.3	1863.6	1858.1	1850.3	1842.4	1850.3
20°	1879.4	1891.3	1903.3	1884.2	1854.7	1835.9	1827.7	1819.9	1813.1	1806.3	1813.1
22.5°	1839.3	1850.3	1861.2	1842.9	1814.7	1795.6	1785.4	1776.4	1770.9	1765.5	1770.9
25°	1767.8	1775.0	1782.3	1763.6	1736.3	1718.7	1711.0	1704.5	1701.5	1698.5	1701.5
27.5°	1666.4	1668.5	1670.5	1655.6	1635.1	1620.1	1610.5	1602.4	1598.5	1594.7	1598.5
30°	1587.9	1587.9	1587.9	1576.4	1561.0	1548.2	1537.9	1528.4	1521.1	1513.9	1521.1
32.5°	1496.4	1495.3	1494.3	1485.8	1474.9	1463.8	1452.5	1442.2	1435.0	1427.7	1435.0
35°	1333.1	1337.8	1342.5	1336.6	1327.2	1316.9	1305.8	1295.9	1289.4	1283.0	1289.4
37.5°	1156.3	1158.1	1159.9	1155.0	1147.9	1138.4	1126.4	1116.1	1110.7	1105.3	1110.7
40°	1022.4	1022.8	1023.2	1017.3	1009.1	1000.8	992.3	983.8	975.7	967.6	975.7
42.5°	866.2	874.8	883.5	879.8	872.0	861.3	847.6	836.5	833.2	829.8	833.2
45°	562.7	600.7	638.7	652.7	658.7	654.0	638.6	616.1	572.1	528.0	572.1
47.5°	282.8	330.1	377.5	410.3	438.3	430.3	386.4	341.9	295.3	248.7	295.3
50°	159.7	187.9	216.1	260.0	309.2	301.0	235.6	182.6	166.8	151.0	166.8
52.5°	106.6	119.0	131.5	166.9	209.9	207.1	158.4	119.7	110.7	101.8	110.7
55°	53.9	57.3	60.7	76.3	96.0	95.5	75.0	59.0	56.4	53.9	56.4
57.5°	18.3	22.9	27.5	34.4	42.1	42.3	35.1	28.6	24.4	20.2	24.4
60°	2.9	7.2	11.4	17.0	23.0	22.3	15.1	8.7	4.8	1.0	4.8
62.5°	0.6	1.8	3.0	7.5	13.1	13.0	7.1	2.4	1.3	0.2	1.3
65°	0.0	0.0	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.9	1.5	2.0	2.4	2.5	2.5	2.7	2.8	2.8	2.8
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1927.6	1922.1	1914.3	1913.7	1920.6	1926.3	1928.7	1931.1	1928.7	1926.3	1920.6
5°	1934.9	1926.5	1914.9	1912.8	1920.1	1926.1	1928.2	1930.3	1928.2	1926.1	1920.1
7.5°	1935.2	1928.6	1919.1	1916.9	1922.1	1926.3	1927.7	1929.2	1927.7	1926.3	1922.1
10°	1933.6	1926.8	1917.0	1916.3	1924.9	1931.4	1931.8	1932.2	1931.8	1931.4	1924.9
12.5°	1926.3	1921.4	1913.6	1916.4	1929.7	1939.1	1936.4	1933.8	1936.4	1939.1	1929.7
15°	1902.0	1902.4	1901.2	1910.6	1930.6	1943.9	1936.6	1929.4	1936.6	1943.9	1930.6
17.5°	1858.1	1863.6	1868.3	1884.1	1910.8	1928.3	1918.1	1907.8	1918.1	1928.3	1910.8
20°	1819.9	1827.7	1835.9	1854.7	1884.2	1903.3	1891.3	1879.4	1891.3	1903.3	1884.2
22.5°	1776.4	1785.4	1795.6	1814.7	1842.9	1861.2	1850.3	1839.3	1850.3	1861.2	1842.9
25°	1704.5	1711.0	1718.7	1736.3	1763.6	1782.3	1775.0	1767.8	1775.0	1782.3	1763.6
27.5°	1602.4	1610.5	1620.1	1635.1	1655.6	1670.5	1668.5	1666.4	1668.5	1670.5	1655.6
30°	1528.4	1537.9	1548.2	1561.0	1576.4	1587.9	1587.9	1587.9	1587.9	1587.9	1576.4
32.5°	1442.2	1452.5	1463.8	1474.9	1485.8	1494.3	1495.3	1496.4	1495.3	1494.3	1485.8
35°	1295.9	1305.8	1316.9	1327.2	1336.6	1342.5	1337.8	1333.1	1337.8	1342.5	1336.6
37.5°	1116.1	1126.4	1138.4	1147.9	1155.0	1159.9	1158.1	1156.3	1158.1	1159.9	1155.0
40°	983.8	992.3	1000.8	1009.1	1017.3	1023.2	1022.8	1022.4	1022.8	1023.2	1017.3
42.5°	836.5	847.6	861.3	872.0	879.8	883.5	874.8	866.2	874.8	883.5	879.8
45°	616.1	638.6	654.0	658.7	652.7	638.7	600.7	562.7	600.7	638.7	652.7
47.5°	341.9	386.4	430.3	438.3	410.3	377.5	330.1	282.8	330.1	377.5	410.3
50°	182.6	235.6	301.0	309.2	260.0	216.1	187.9	159.7	187.9	216.1	260.0
52.5°	119.7	158.4	207.1	209.9	166.9	131.5	119.0	106.6	119.0	131.5	166.9
55°	59.0	75.0	95.5	96.0	76.3	60.7	57.3	53.9	57.3	60.7	76.3
57.5°	28.6	35.1	42.3	42.1	34.4	27.5	22.9	18.3	22.9	27.5	34.4
60°	8.7	15.1	22.3	23.0	17.0	11.4	7.2	2.9	7.2	11.4	17.0
62.5°	2.4	7.1	13.0	13.1	7.5	3.0	1.8	0.6	1.8	3.0	7.5
65°	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	2.5	2.5	2.4	2.0	1.5	0.9	0.4	0.9	1.4	2.3
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1427510

CATALOG NUMBER: SQ2W-BBM-K-050U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1427510

CATALOG NUMBER: SQ2W-BBM-K-050U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1913.7	1914.3	1922.1	1927.6	1925.9	1924.2	1925.9	1927.6	1922.1	1914.3	1913.7
5°	1912.8	1914.9	1926.5	1934.9	1934.1	1933.2	1934.1	1934.9	1926.5	1914.9	1912.8
7.5°	1916.9	1919.1	1928.6	1935.2	1933.0	1930.9	1933.0	1935.2	1928.6	1919.1	1916.9
10°	1916.3	1917.0	1926.8	1933.6	1931.5	1929.4	1931.5	1933.6	1926.8	1917.0	1916.3
12.5°	1916.4	1913.6	1921.4	1926.3	1922.4	1918.6	1922.4	1926.3	1921.4	1913.6	1916.4
15°	1910.6	1901.2	1902.4	1902.0	1896.4	1890.9	1896.4	1902.0	1902.4	1901.2	1910.6
17.5°	1884.1	1868.3	1863.6	1858.1	1850.3	1842.4	1850.3	1858.1	1863.6	1868.3	1884.1
20°	1854.7	1835.9	1827.7	1819.9	1813.1	1806.3	1813.1	1819.9	1827.7	1835.9	1854.7
22.5°	1814.7	1795.6	1785.4	1776.4	1770.9	1765.5	1770.9	1776.4	1785.4	1795.6	1814.7
25°	1736.3	1718.7	1711.0	1704.5	1701.5	1698.5	1701.5	1704.5	1711.0	1718.7	1736.3
27.5°	1635.1	1620.1	1610.5	1602.4	1598.5	1594.7	1598.5	1602.4	1610.5	1620.1	1635.1
30°	1561.0	1548.2	1537.9	1528.4	1521.1	1513.9	1521.1	1528.4	1537.9	1548.2	1561.0
32.5°	1474.9	1463.8	1452.5	1442.2	1435.0	1427.7	1435.0	1442.2	1452.5	1463.8	1474.9
35°	1327.2	1316.9	1305.8	1295.9	1289.4	1283.0	1289.4	1295.9	1305.8	1316.9	1327.2
37.5°	1147.9	1138.4	1126.4	1116.1	1110.7	1105.3	1110.7	1116.1	1126.4	1138.4	1147.9
40°	1009.1	1000.8	992.3	983.8	975.7	967.6	975.7	983.8	992.3	1000.8	1009.1
42.5°	872.0	861.3	847.6	836.5	833.2	829.8	833.2	836.5	847.6	861.3	872.0
45°	658.7	654.0	638.6	616.1	572.1	528.0	572.1	616.1	638.6	654.0	658.7
47.5°	438.3	430.3	386.4	341.9	295.3	248.7	295.3	341.9	386.4	430.3	438.3
50°	309.2	301.0	235.6	182.6	166.8	151.0	166.8	182.6	235.6	301.0	309.2
52.5°	209.9	207.1	158.4	119.7	110.7	101.8	110.7	119.7	158.4	207.1	209.9
55°	96.0	95.5	75.0	59.0	56.4	53.9	56.4	59.0	75.0	95.5	96.0
57.5°	42.1	42.3	35.1	28.6	24.4	20.2	24.4	28.6	35.1	42.3	42.1
60°	23.0	22.3	15.1	8.7	4.8	1.0	4.8	8.7	15.1	22.3	23.0
62.5°	13.1	13.0	7.1	2.4	1.3	0.2	1.3	2.4	7.1	13.0	13.1
65°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	3.8	4.7	5.2	5.7	5.4	5.7	5.2	4.7	3.8	2.9
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1427510

CATALOG NUMBER: SQ2W-BBM-K-050U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1427510

CATALOG NUMBER: SQ2W-BBM-K-050U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1922.6	1922.6	1922.6	1922.6
2.5°	1920.6	1926.3	1928.7	1931.1
5°	1920.1	1926.1	1928.2	1930.3
7.5°	1922.1	1926.3	1927.7	1929.2
10°	1924.9	1931.4	1931.8	1932.2
12.5°	1929.7	1939.1	1936.4	1933.8
15°	1930.6	1943.9	1936.6	1929.4
17.5°	1910.8	1928.3	1918.1	1907.8
20°	1884.2	1903.3	1891.3	1879.4
22.5°	1842.9	1861.2	1850.3	1839.3
25°	1763.6	1782.3	1775.0	1767.8
27.5°	1655.6	1670.5	1668.5	1666.4
30°	1576.4	1587.9	1587.9	1587.9
32.5°	1485.8	1494.3	1495.3	1496.4
35°	1336.6	1342.5	1337.8	1333.1
37.5°	1155.0	1159.9	1158.1	1156.3
40°	1017.3	1023.2	1022.8	1022.4
42.5°	879.8	883.5	874.8	866.2
45°	652.7	638.7	600.7	562.7
47.5°	410.3	377.5	330.1	282.8
50°	260.0	216.1	187.9	159.7
52.5°	166.9	131.5	119.0	106.6
55°	76.3	60.7	57.3	53.9
57.5°	34.4	27.5	22.9	18.3
60°	17.0	11.4	7.2	2.9
62.5°	7.5	3.0	1.8	0.6
65°	0.3	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	2.3	1.4	0.9	0.4
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7



TEST NUMBER: P1427510

CATALOG NUMBER: SQ2W-BBM-K-050U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1427510
 CATALOG NUMBER: SQ2W-BBM-K-050U-075D-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	0.00	0.00	0.00	0.23	1.34	0.00	0.00	0.00	0.46	1.58
	3H	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.19	1.33
	4H	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.05	1.21
	6H	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00	1.06
	8H	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.98
	12H	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.91
4H	2H	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.06	1.21
	3H	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.94
	4H	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.81
	6H	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.65
	8H	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.56
	12H	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.48
8H	4H	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.56
	6H	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.42
	8H	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.33
	12H	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.27
12H	4H	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.48
	6H	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.33
	8H	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.27