

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P675639

Luminaire Tested: **CCW-SA-2C-850-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675639
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-850-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL3 distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

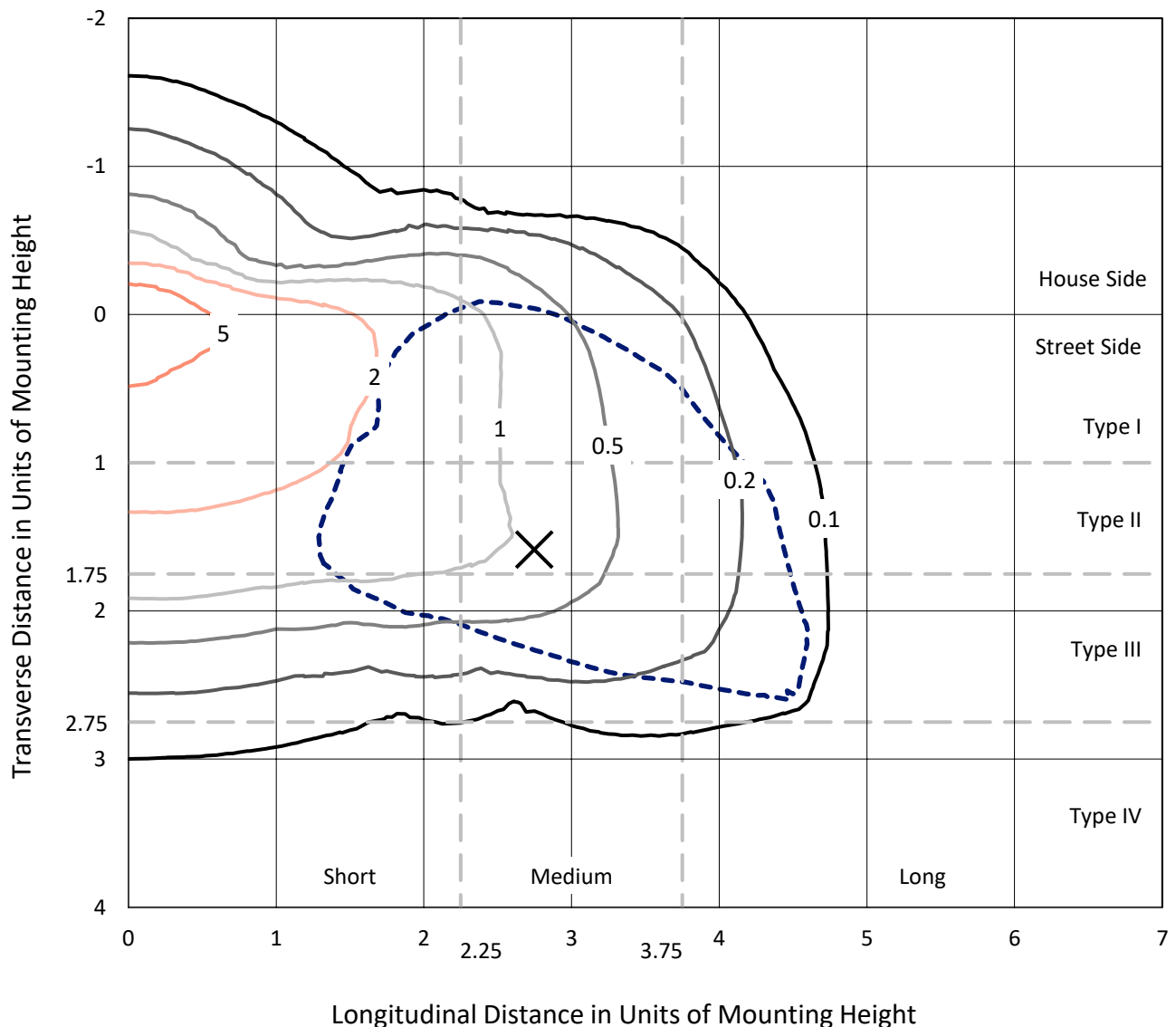
Lumens per Lamp: N/A
Luminaire Lumens: 7800.8 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 62.1
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: 25 FT

REPORT NUMBER: P675639
 CATALOG NUMBER: CCW-SA-2C-850-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

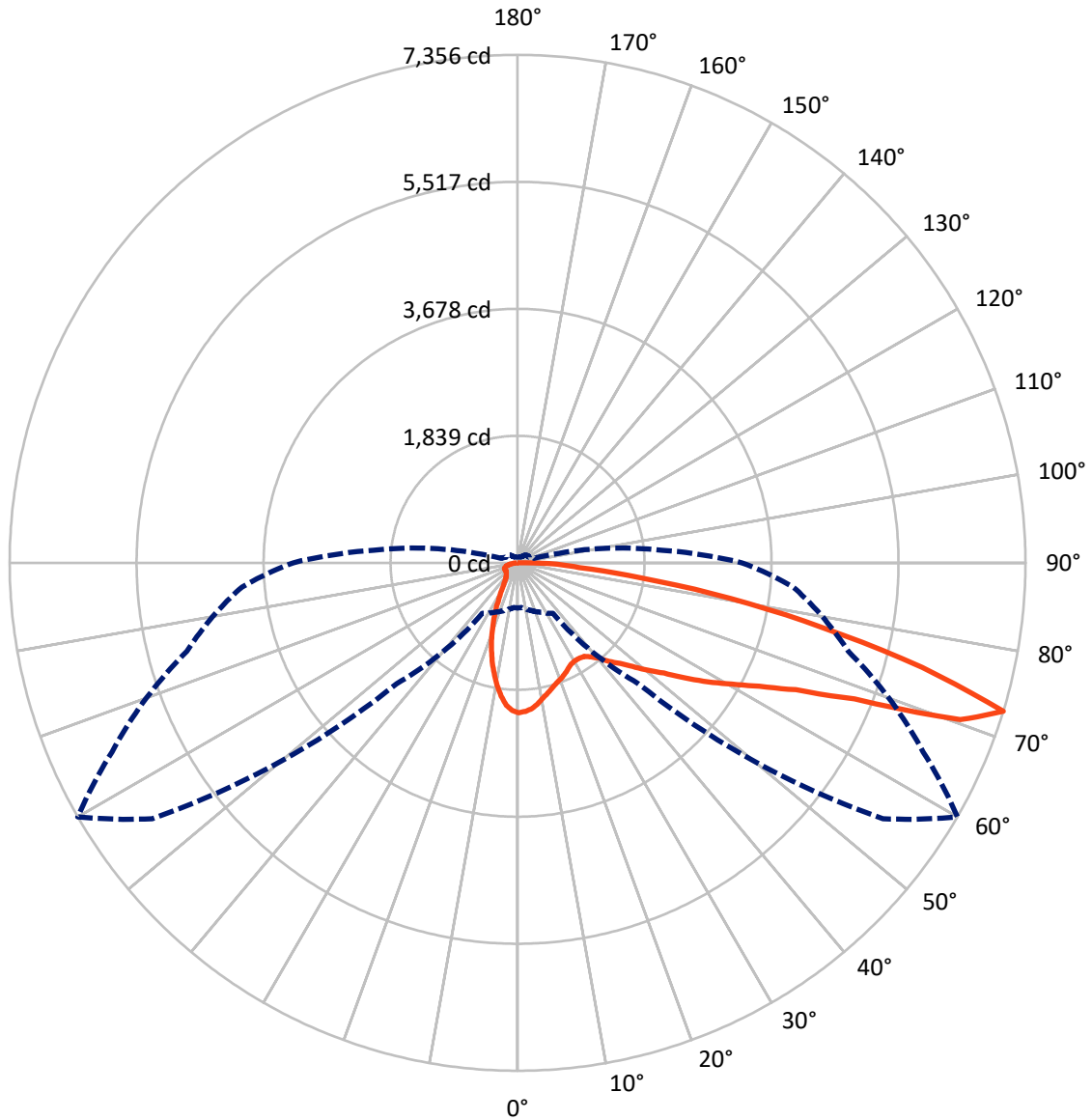
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P675639
CATALOG NUMBER: CCW-SA-2C-850-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P675639
 CATALOG NUMBER: CCW-SA-2C-850-U-SL3

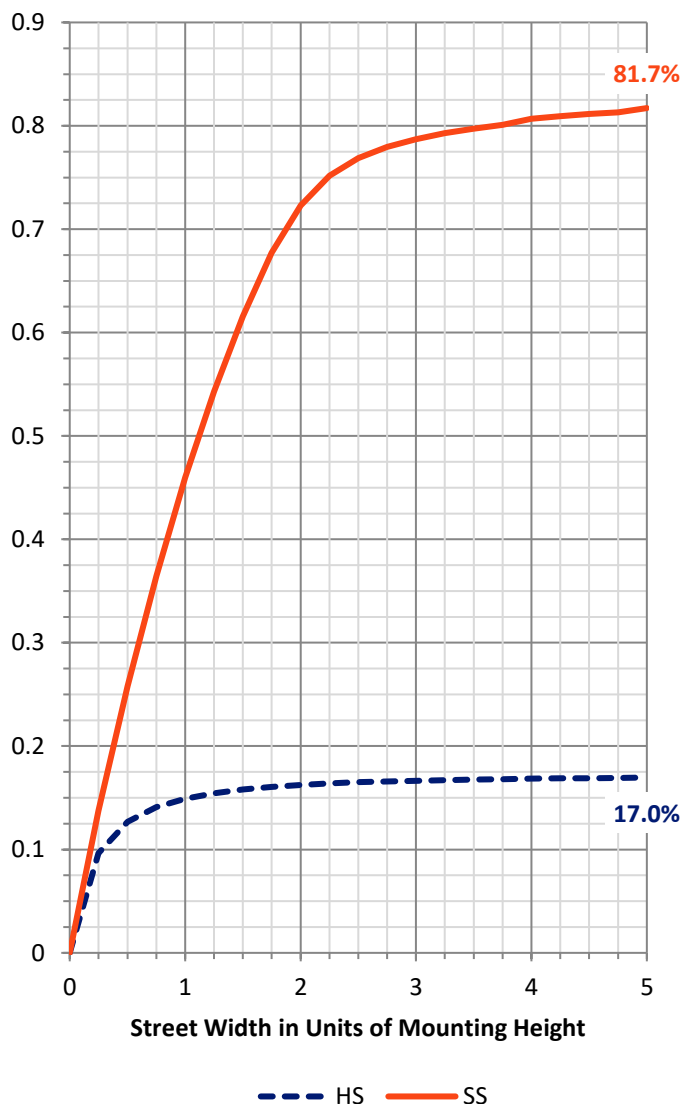
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1340.0	0.0	1340.0
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	6460.7	0.0	6460.7
	% Fixture	82.8	0.0	82.8
Total	Lumens	7800.8	0.0	7800.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.3	2.4
10°-20°	426.9	5.5
20°-30°	546.4	7.0
30°-40°	699.0	9.0
40°-50°	958.7	12.3
50°-60°	1386.6	17.8
60°-70°	1902.2	24.4
70°-80°	1427.4	18.3
80°-90°	265.3	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7800.8	100.0
0°-180°	7800.8	100.0

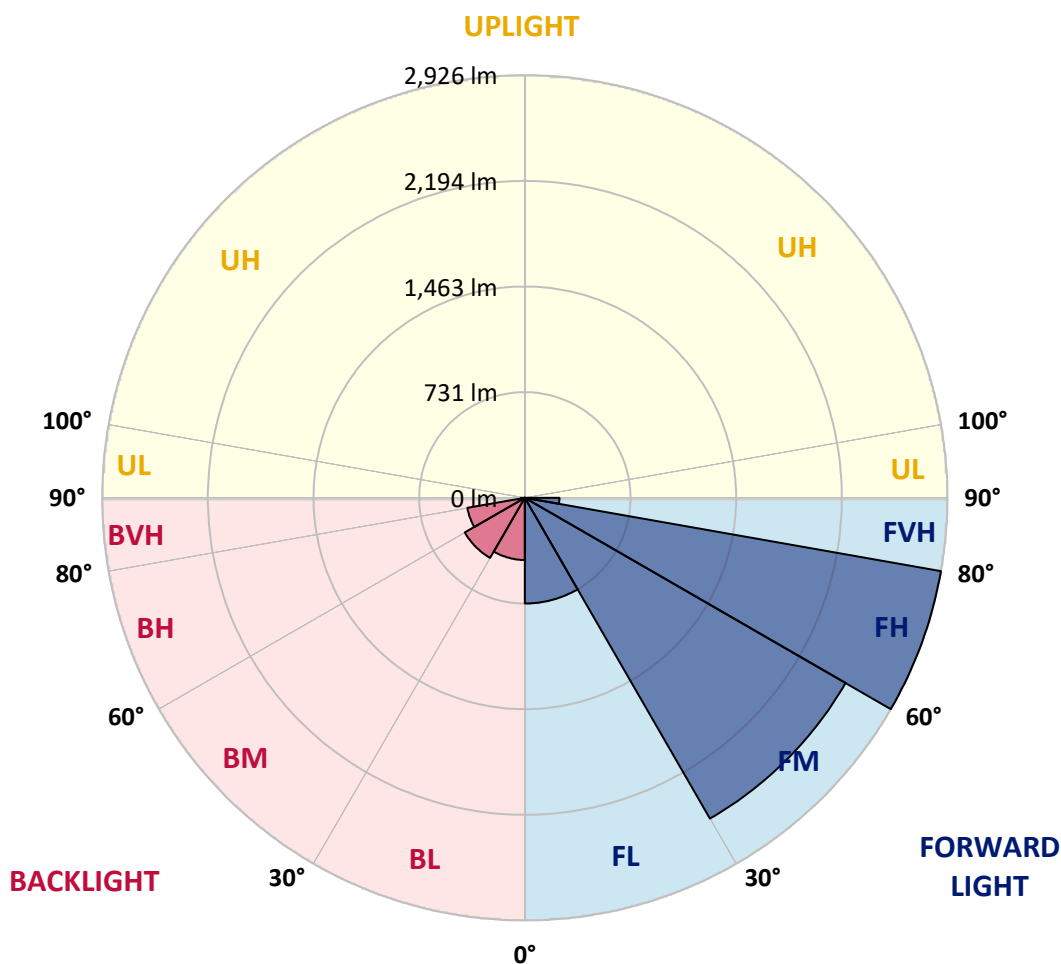


REPORT NUMBER: P675639
 CATALOG NUMBER: CCW-SA-2C-850-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	731.4	9.4			
FM	(30°-60°)	2564.1	32.9			
FH	(60°-80°)	2925.8	37.5			G2/5000
FVH	(80°-90°)	239.5	3.1			G3/500
BL	(0°-30°)	430.2	5.5	B1/500		
BM	(30°-60°)	480.2	6.2	B1/1000		
BH	(60°-80°)	403.8	5.2	B1/500		G1/500
BVH	(80°-90°)	25.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type III Medium





REPORT NUMBER: P675639

CATALOG NUMBER: CCW-SA-2C-850-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1
2.5°	2125.7	2146.0	2151.8	2151.8	2169.2	2148.9	2177.9	2154.7	2160.5	2169.2	2163.4
5°	2024.0	2058.9	2038.6	2076.3	2061.8	2087.9	2122.8	2122.8	2114.1	2131.5	2117.0
7.5°	1925.3	1913.7	1948.5	1948.5	1971.8	2006.6	2035.6	2064.7	2067.6	2073.4	2070.5
10°	1791.7	1806.2	1823.7	1846.9	1875.9	1910.8	1971.8	1995.0	2000.8	2035.6	2026.9
12.5°	1681.4	1701.7	1713.3	1759.8	1785.9	1835.3	1905.0	1936.9	1939.8	1989.2	1989.2
15°	1600.1	1611.7	1637.8	1655.2	1713.3	1783.0	1849.8	1878.8	1910.8	1963.1	1948.5
17.5°	1544.9	1559.4	1571.0	1594.3	1649.4	1707.5	1812.0	1829.5	1867.2	1942.7	1925.3
20°	1512.9	1515.8	1533.3	1547.8	1597.2	1652.3	1745.3	1791.7	1841.1	1907.9	1890.5
22.5°	1518.8	1507.1	1504.2	1524.6	1533.3	1585.5	1698.8	1748.2	1817.9	1896.3	1867.2
25°	1530.4	1533.3	1527.5	1510.0	1512.9	1559.4	1634.9	1698.8	1777.2	1893.4	1835.3
27.5°	1559.4	1573.9	1550.7	1533.3	1515.8	1533.3	1611.7	1658.1	1745.3	1907.9	1832.4
30°	1588.4	1603.0	1597.2	1571.0	1536.2	1530.4	1585.5	1643.6	1727.8	1919.5	1832.4
32.5°	1632.0	1652.3	1632.0	1640.7	1600.1	1573.9	1594.3	1646.5	1745.3	1960.1	1835.3
35°	1681.4	1698.8	1704.6	1684.3	1675.6	1626.2	1637.8	1663.9	1762.7	2006.6	1864.3
37.5°	1736.5	1756.9	1774.3	1777.2	1748.2	1719.1	1713.3	1727.8	1806.2	2087.9	1896.3
40°	1774.3	1785.9	1820.8	1849.8	1858.5	1817.9	1815.0	1815.0	1884.6	2160.5	1954.3
42.5°	1838.2	1832.4	1881.7	1934.0	1948.5	1925.3	1931.1	1954.3	1995.0	2265.1	2047.3
45°	1870.1	1864.3	1922.4	2009.5	2076.3	2064.7	2070.5	2079.2	2117.0	2430.6	2204.1
47.5°	1913.7	1919.5	2003.7	2102.4	2172.1	2212.8	2244.7	2241.8	2270.9	2599.0	2378.3
50°	1957.2	1968.9	2070.5	2175.0	2297.0	2366.7	2413.2	2445.1	2474.1	2776.2	2578.7
52.5°	2041.5	2053.1	2166.3	2279.6	2436.4	2538.0	2654.2	2651.3	2654.2	2953.3	2779.1
55°	2163.4	2166.3	2233.1	2363.8	2575.8	2761.6	2921.3	2938.8	2889.4	3174.0	3008.5
57.5°	2302.8	2314.4	2372.5	2471.2	2686.1	2976.5	3220.5	3255.3	3121.7	3354.0	3217.5
60°	2433.5	2442.2	2532.2	2645.5	2877.8	3246.6	3522.5	3563.1	3417.9	3574.7	3435.3
62.5°	2285.4	2328.9	2488.7	2747.1	3214.6	3656.0	3905.8	3931.9	3705.4	3798.3	3667.7
65°	1829.5	1858.5	2087.9	2506.1	3237.9	4399.4	4498.2	4428.5	4100.3	4085.8	4019.0
67.5°	1019.3	1042.5	1199.3	1637.8	2726.8	4678.2	5773.0	5261.9	4713.1	4518.5	4495.3
70°	804.4	810.2	830.5	920.5	1512.9	4123.6	6777.8	6801.0	5714.9	5113.8	4596.9
72.5°	653.4	650.5	711.5	789.9	894.4	2474.1	6461.2	7355.6	6481.6	4957.0	4004.5
75°	499.5	508.2	586.6	699.8	818.9	1164.5	4820.5	6051.8	6072.1	4620.1	3377.3
77.5°	380.4	383.3	470.4	618.5	801.5	821.8	3144.9	4509.8	4530.1	3577.6	1861.4
80°	284.6	284.6	357.2	522.7	781.2	757.9	1936.9	3127.5	2831.3	1257.4	406.5
82.5°	162.6	174.2	238.1	397.8	708.6	728.9	1091.9	1791.7	1196.4	342.7	188.8
85°	87.1	90.0	145.2	267.2	583.7	696.9	833.4	891.5	476.2	182.9	87.1
87.5°	31.9	31.9	66.8	136.5	368.8	516.9	662.1	569.2	273.0	84.2	43.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675639
 CATALOG NUMBER: CCW-SA-2C-850-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1
2.5°	2169.2	2157.6	2148.9	2157.6	2125.7	2111.2	2128.6	2119.9	2102.4	2093.7	2087.9
5°	2125.7	2111.2	2096.6	2087.9	2053.1	2018.2	2000.8	1966.0	1936.9	1945.6	1928.2
7.5°	2079.2	2064.7	2021.1	1980.5	1910.8	1841.1	1809.1	1759.8	1742.4	1727.8	1719.1
10°	2021.1	1995.0	1928.2	1846.9	1745.3	1666.9	1585.5	1527.5	1466.5	1440.3	1449.1
12.5°	1948.5	1934.0	1829.5	1704.6	1562.3	1431.6	1335.8	1242.9	1161.6	1118.0	1106.4
15°	1916.6	1873.0	1722.0	1556.5	1376.5	1213.8	1071.5	908.9	813.1	766.6	766.6
17.5°	1881.7	1800.4	1620.4	1393.9	1187.7	978.6	778.3	630.2	554.6	528.5	528.5
20°	1826.6	1736.5	1501.3	1240.0	990.2	737.6	557.6	476.2	453.0	435.6	438.5
22.5°	1785.9	1675.6	1391.0	1089.0	784.1	548.8	438.5	412.4	403.6	397.8	400.7
25°	1739.4	1603.0	1274.8	926.4	615.6	432.7	380.4	368.8	374.6	377.5	377.5
27.5°	1701.7	1542.0	1155.8	752.1	464.6	365.9	342.7	339.8	351.4	357.2	360.1
30°	1675.6	1486.8	1039.6	592.4	371.7	325.2	313.6	313.6	328.1	334.0	336.9
32.5°	1649.4	1440.3	914.7	453.0	316.5	290.4	287.5	290.4	299.1	299.1	302.0
35°	1658.1	1396.8	795.7	365.9	284.6	267.2	267.2	267.2	270.1	273.0	273.0
37.5°	1675.6	1385.2	667.9	307.8	261.4	249.7	249.7	246.8	249.7	246.8	249.7
40°	1693.0	1367.7	551.7	273.0	246.8	238.1	235.2	229.4	226.5	226.5	229.4
42.5°	1765.6	1391.0	453.0	249.7	235.2	229.4	220.7	214.9	212.0	212.0	212.0
45°	1858.5	1434.5	374.6	238.1	226.5	212.0	206.2	203.3	197.5	200.4	203.3
47.5°	1997.9	1501.3	328.1	229.4	217.8	200.4	194.6	188.8	188.8	194.6	194.6
50°	2180.8	1611.7	299.1	220.7	209.1	191.7	182.9	180.0	180.0	188.8	188.8
52.5°	2378.3	1739.4	287.5	217.8	200.4	182.9	174.2	171.3	171.3	182.9	182.9
55°	2575.8	1896.3	296.2	217.8	194.6	174.2	165.5	159.7	162.6	171.3	171.3
57.5°	2793.6	2064.7	339.8	217.8	188.8	171.3	159.7	151.0	153.9	156.8	156.8
60°	3031.7	2285.4	415.3	217.8	185.9	165.5	151.0	139.4	139.4	142.3	142.3
62.5°	3272.7	2503.2	522.7	220.7	188.8	162.6	139.4	127.8	124.9	127.8	127.8
65°	3589.2	2851.7	630.2	220.7	197.5	156.8	130.7	116.2	113.3	113.3	116.2
67.5°	4033.5	3101.4	487.9	212.0	203.3	156.8	122.0	107.4	101.6	101.6	101.6
70°	3798.3	2616.4	310.7	197.5	194.6	162.6	116.2	98.7	92.9	90.0	90.0
72.5°	3252.4	2093.7	249.7	185.9	180.0	159.7	110.3	92.9	84.2	81.3	81.3
75°	2607.7	1652.3	217.8	168.4	156.8	133.6	101.6	84.2	78.4	72.6	72.6
77.5°	1277.7	691.1	165.5	148.1	133.6	101.6	90.0	78.4	69.7	63.9	63.9
80°	319.4	241.0	122.0	116.2	98.7	78.4	72.6	66.8	61.0	55.2	55.2
82.5°	171.3	142.3	87.1	78.4	66.8	55.2	55.2	52.3	49.4	43.6	40.7
85°	87.1	84.2	58.1	52.3	43.6	34.8	37.8	37.8	34.8	26.1	26.1
87.5°	46.5	46.5	29.0	23.2	20.3	17.4	17.4	17.4	14.5	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)