

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: P676999

Luminaire Tested: **CCW-SA-1F-740-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676999
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-740-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

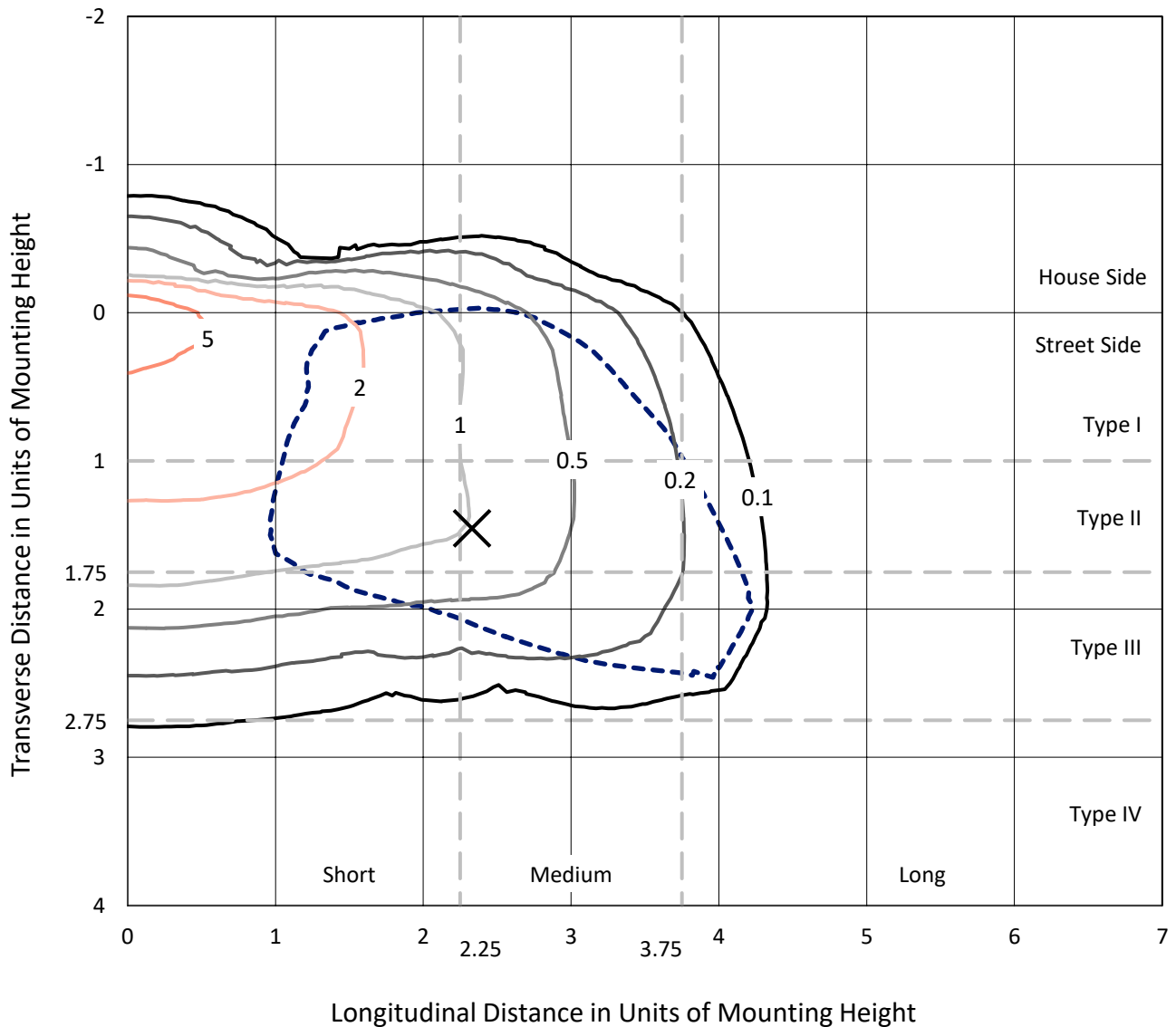
Lumens per Lamp: N/A
Luminaire Lumens: 6195.7 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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: P676999
 CATALOG NUMBER: CCW-SA-1F-740-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

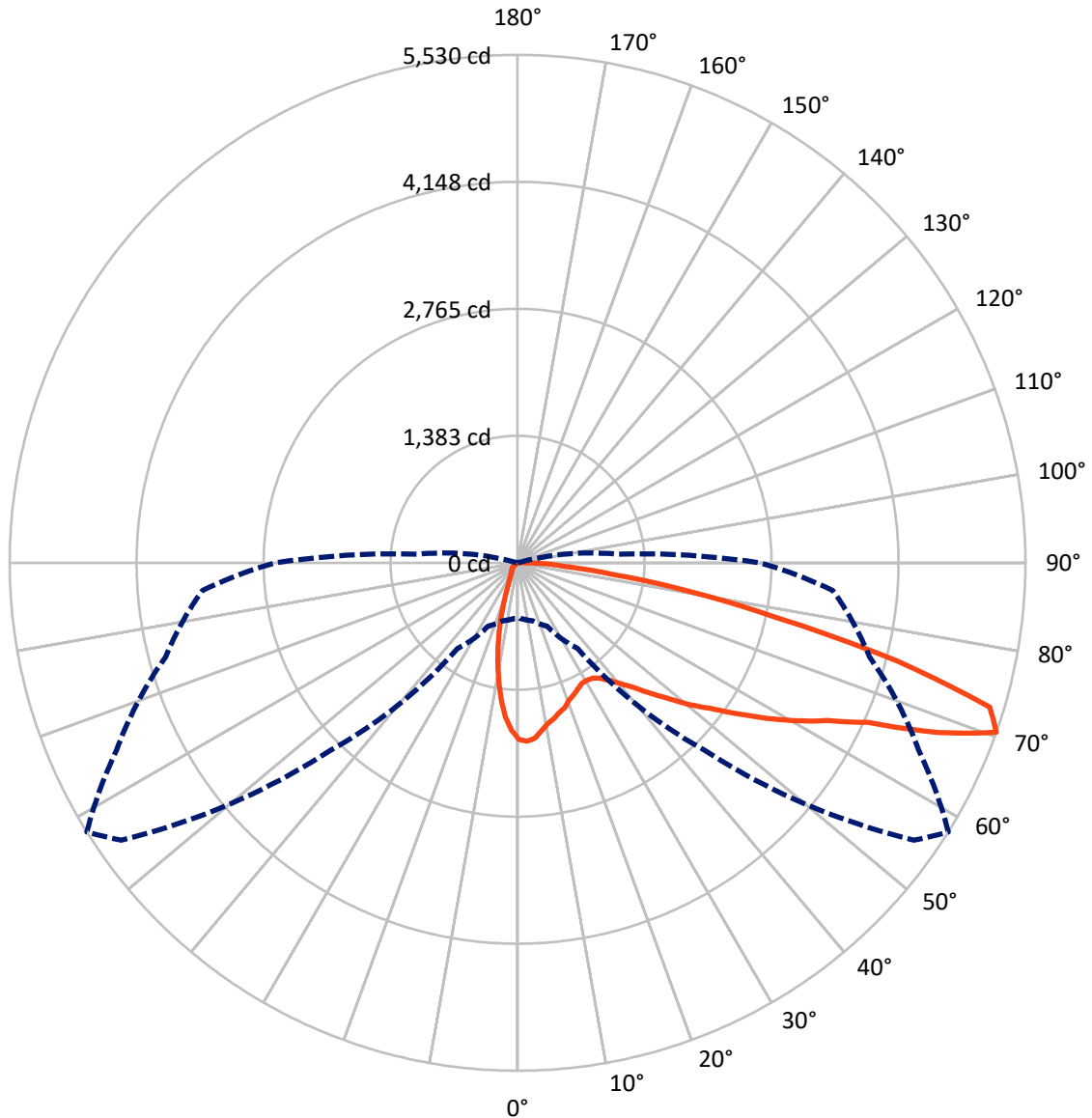
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P676999
CATALOG NUMBER: CCW-SA-1F-740-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P676999
 CATALOG NUMBER: CCW-SA-1F-740-U-SL3-HSS

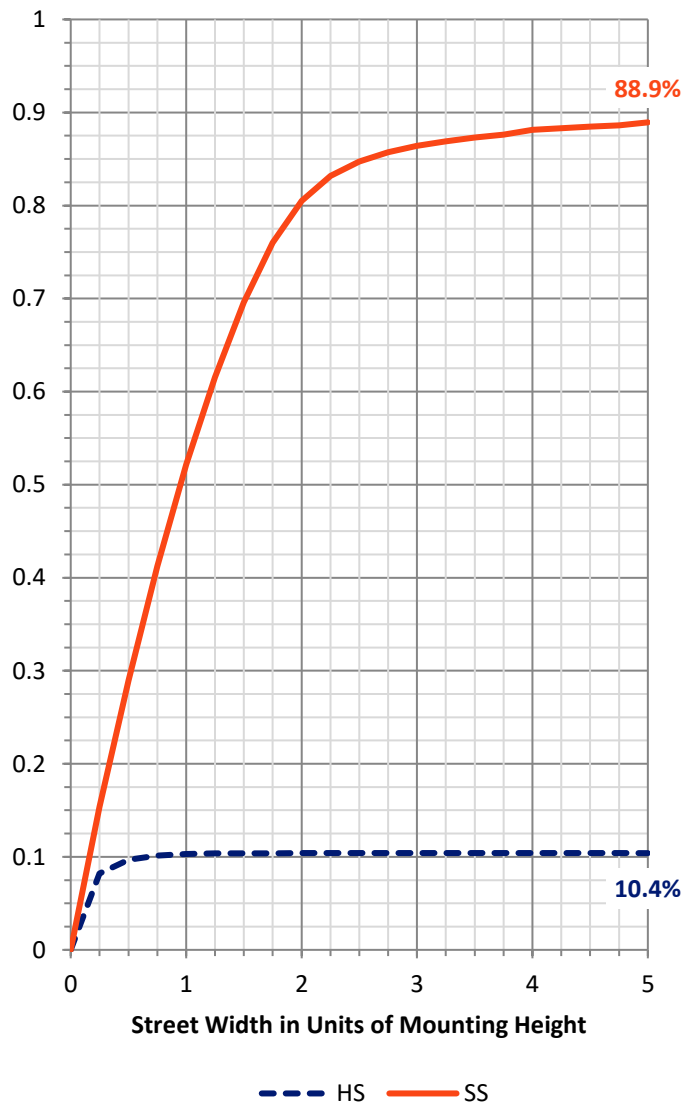
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	648.8	0.0	648.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5546.9	0.0	5546.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	6195.7	0.0	6195.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.9	2.5
10°-20°	326.7	5.3
20°-30°	437.5	7.1
30°-40°	591.4	9.5
40°-50°	848.7	13.7
50°-60°	1250.7	20.2
60°-70°	1525.6	24.6
70°-80°	931.6	15.0
80°-90°	126.6	2.0
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°	6195.7	100.0
0°-180°	6195.7	100.0

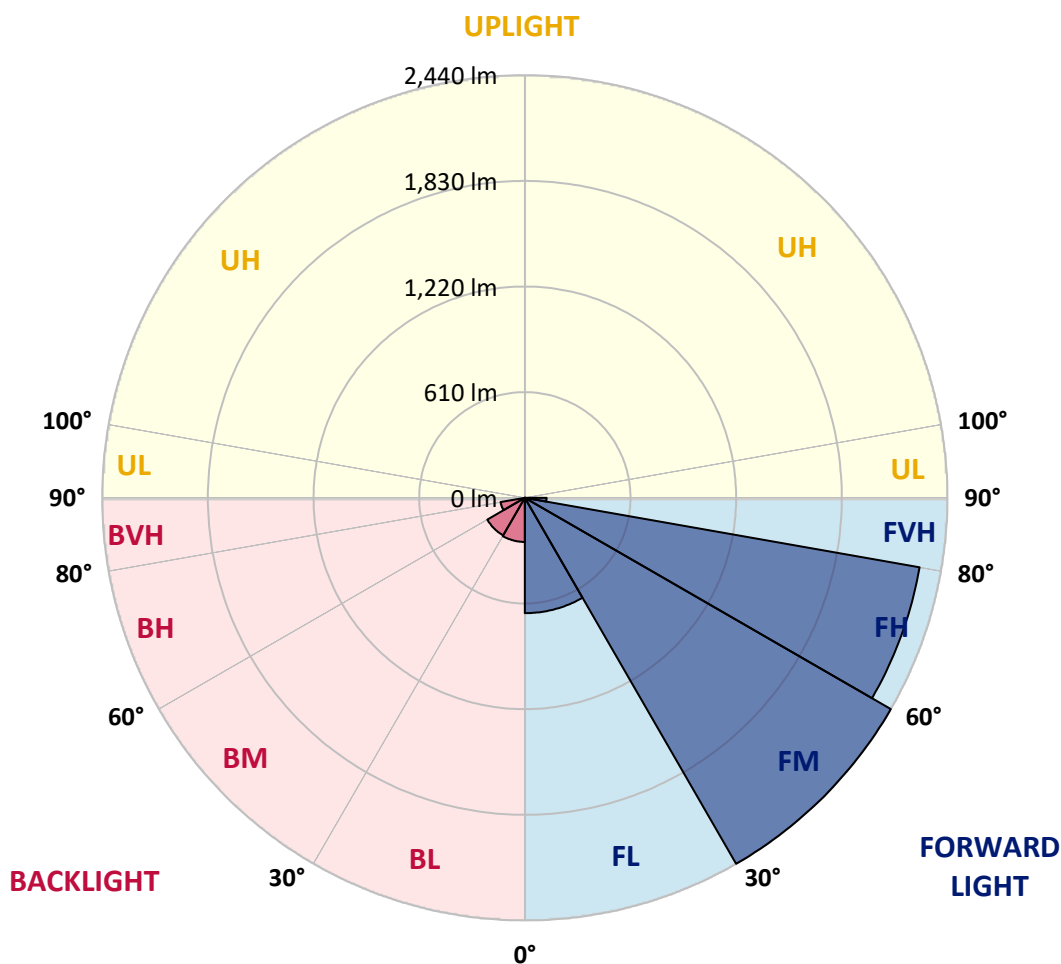


REPORT NUMBER: P676999
 CATALOG NUMBER: CCW-SA-1F-740-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.1	10.8			
FM (30°-60°)	2440.4	39.4			
FH (60°-80°)	2315.0	37.4			G2/5000
FVH (80°-90°)	125.3	2.0			G2/225
BL (0°-30°)	255.0	4.1	B1/500		
BM (30°-60°)	250.4	4.0	B1/1000		
BH (60°-80°)	142.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





REPORT NUMBER: P676999

CATALOG NUMBER: CCW-SA-1F-740-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3
2.5°	1958.2	1965.5	1948.0	1968.4	1949.5	1958.2	1948.0	1945.1	1946.6	1948.0	1936.4
5°	1866.7	1884.1	1891.4	1879.7	1907.3	1903.0	1920.4	1921.9	1914.6	1907.3	1908.8
7.5°	1746.1	1763.5	1770.8	1778.1	1805.7	1842.0	1865.2	1850.7	1862.3	1888.5	1849.2
10°	1658.9	1654.6	1653.1	1667.7	1720.0	1750.5	1789.7	1785.3	1814.4	1839.1	1807.1
12.5°	1551.4	1542.7	1568.9	1580.5	1627.0	1680.7	1711.2	1743.2	1772.2	1798.4	1762.1
15°	1471.5	1478.8	1489.0	1513.7	1547.1	1618.3	1663.3	1693.8	1746.1	1759.2	1744.6
17.5°	1407.6	1413.4	1428.0	1441.0	1483.2	1551.4	1622.6	1658.9	1714.1	1749.0	1704.0
20°	1409.1	1391.7	1391.7	1404.7	1428.0	1509.3	1584.9	1596.5	1672.0	1731.6	1701.1
22.5°	1410.5	1404.7	1391.7	1390.2	1400.4	1458.5	1535.5	1561.6	1643.0	1712.7	1676.4
25°	1430.9	1409.1	1410.5	1390.2	1394.6	1423.6	1484.6	1523.8	1616.8	1722.9	1663.3
27.5°	1448.3	1458.5	1438.1	1429.4	1404.7	1403.3	1454.1	1487.5	1603.7	1746.1	1672.0
30°	1487.5	1494.8	1494.8	1489.0	1465.7	1432.3	1443.9	1486.1	1577.6	1741.7	1657.5
32.5°	1552.9	1539.8	1557.3	1548.5	1518.0	1465.7	1475.9	1497.7	1593.6	1796.9	1680.7
35°	1574.7	1584.9	1608.1	1589.2	1579.0	1548.5	1528.2	1544.2	1616.8	1852.1	1715.6
37.5°	1641.5	1627.0	1643.0	1685.1	1695.3	1640.1	1600.8	1624.1	1704.0	1917.5	1747.6
40°	1647.3	1658.9	1688.0	1770.8	1781.0	1757.7	1725.8	1731.6	1791.1	2001.8	1827.4
42.5°	1676.4	1689.4	1749.0	1818.7	1873.9	1878.3	1855.0	1855.0	1905.9	2136.9	1916.1
45°	1733.0	1711.2	1788.2	1905.9	1985.8	2001.8	2032.3	2025.0	2065.7	2279.2	2081.7
47.5°	1754.8	1762.1	1846.3	1988.7	2080.2	2154.3	2205.1	2206.6	2226.9	2460.8	2296.7
50°	1826.0	1824.5	1926.2	2058.4	2193.5	2328.6	2427.4	2427.4	2425.9	2638.0	2481.1
52.5°	1920.4	1917.5	1996.0	2152.8	2328.6	2498.6	2629.3	2633.7	2667.1	2855.9	2693.2
55°	2074.4	2061.3	2136.9	2253.1	2463.7	2670.0	2896.6	2898.1	2871.9	3011.4	2845.8
57.5°	2203.7	2202.2	2264.7	2376.6	2614.8	2890.8	3153.7	3193.0	3110.1	3171.2	2967.8
60°	2170.3	2189.2	2318.4	2484.1	2774.6	3166.8	3431.2	3492.2	3360.0	3280.1	3059.3
62.5°	1962.5	2006.1	2147.0	2411.4	2909.7	3567.7	3813.2	3785.6	3490.7	3373.1	3171.2
65°	1412.0	1455.6	1629.9	2026.5	2752.8	3851.0	4315.9	4190.9	3723.2	3511.1	3320.8
67.5°	830.9	848.4	957.3	1292.9	2058.4	3697.0	4926.0	4936.1	4180.8	3723.2	3579.4
70°	599.9	613.0	655.2	762.6	1140.3	2898.1	5265.9	5530.3	4815.6	3967.2	3442.8
72.5°	460.5	460.5	531.7	634.8	726.3	1735.9	4846.1	5376.3	4953.6	3733.3	2774.6
75°	331.2	339.9	416.9	546.2	669.7	871.6	3570.6	4266.5	4198.2	3025.9	1937.9
77.5°	190.3	194.7	293.4	457.6	629.0	598.5	2206.6	2892.3	2973.6	1894.3	839.6
80°	97.3	100.2	164.2	361.7	569.4	521.5	1316.1	1904.4	1615.4	550.6	194.7
82.5°	47.9	47.9	74.1	231.0	483.7	461.9	774.3	1051.7	572.3	126.4	81.3
85°	16.0	17.4	33.4	130.7	350.1	278.9	473.6	499.7	191.8	47.9	45.0
87.5°	4.4	5.8	8.7	47.9	152.5	183.0	281.8	319.6	78.4	18.9	21.8
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: P676999

CATALOG NUMBER: CCW-SA-1F-740-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3
2.5°	1892.8	1882.7	1871.0	1842.0	1818.7	1788.2	1767.9	1751.9	1721.4	1727.2	1714.1
5°	1873.9	1855.0	1788.2	1724.3	1666.2	1577.6	1516.6	1477.4	1445.4	1413.4	1436.7
7.5°	1840.5	1795.5	1690.9	1571.8	1448.3	1332.1	1215.9	1146.2	1095.3	1048.8	1047.4
10°	1783.9	1711.2	1547.1	1391.7	1201.4	1048.8	900.7	784.4	708.9	653.7	652.2
12.5°	1720.0	1644.4	1438.1	1185.4	966.0	751.0	573.8	450.3	379.1	335.6	329.8
15°	1679.3	1568.9	1301.6	1002.3	730.7	489.5	318.1	241.1	213.5	203.4	203.4
17.5°	1627.0	1500.6	1166.5	812.0	507.0	283.3	206.3	185.9	184.5	181.6	178.7
20°	1605.2	1448.3	1045.9	647.9	321.0	200.5	177.2	172.9	172.9	170.0	167.1
22.5°	1547.1	1372.8	918.1	475.0	213.5	175.8	167.1	161.2	158.3	155.4	158.3
25°	1520.9	1319.0	797.5	328.3	174.3	156.9	152.5	146.7	142.4	140.9	140.9
27.5°	1503.5	1265.3	679.8	228.1	154.0	143.8	135.1	130.7	124.9	119.1	119.1
30°	1490.4	1223.1	566.5	168.5	138.0	127.8	120.6	110.4	103.1	97.3	97.3
32.5°	1473.0	1173.8	453.2	143.8	124.9	114.8	101.7	93.0	82.8	78.4	78.4
35°	1478.8	1140.3	355.9	127.8	111.9	98.8	87.2	75.5	65.4	61.0	59.6
37.5°	1490.4	1115.6	270.2	114.8	100.2	85.7	72.6	59.6	53.7	47.9	47.9
40°	1539.8	1108.4	199.0	106.0	91.5	75.5	61.0	49.4	43.6	39.2	37.8
42.5°	1622.6	1118.5	154.0	95.9	82.8	63.9	50.8	40.7	34.9	30.5	29.1
45°	1728.7	1157.8	126.4	90.1	72.6	53.7	40.7	33.4	26.1	23.2	23.2
47.5°	1882.7	1218.8	110.4	82.8	63.9	45.0	34.9	26.1	20.3	17.4	17.4
50°	2057.0	1288.5	97.3	74.1	55.2	37.8	27.6	20.3	14.5	13.1	13.1
52.5°	2231.3	1377.1	90.1	68.3	47.9	30.5	21.8	14.5	10.2	8.7	8.7
55°	2414.3	1455.6	81.3	63.9	39.2	24.7	16.0	8.7	5.8	4.4	4.4
57.5°	2542.2	1486.1	71.2	55.2	30.5	18.9	11.6	5.8	2.9	1.5	1.5
60°	2633.7	1490.4	61.0	45.0	23.2	14.5	7.3	2.9	1.5	0.0	0.0
62.5°	2710.7	1499.1	52.3	34.9	17.4	10.2	4.4	1.5	0.0	0.0	0.0
65°	2863.2	1491.9	42.1	27.6	11.6	5.8	2.9	0.0	0.0	0.0	0.0
67.5°	2983.8	1419.3	33.4	18.9	7.3	2.9	1.5	0.0	0.0	0.0	0.0
70°	2639.5	1082.2	26.1	13.1	4.4	1.5	0.0	0.0	0.0	0.0	0.0
72.5°	2072.9	722.0	17.4	7.3	2.9	1.5	0.0	0.0	0.0	0.0	0.0
75°	1359.7	358.8	13.1	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	528.8	94.4	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	127.8	32.0	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	55.2	11.6	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	33.4	5.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.4	2.9	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)