

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: P676969

Luminaire Tested: **CCW-SA-2C-727-U-SL3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676969  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-727-U-SL3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/  
SL3 distribution lens and House Side Shield  
Light Source: (32) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6248.4 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

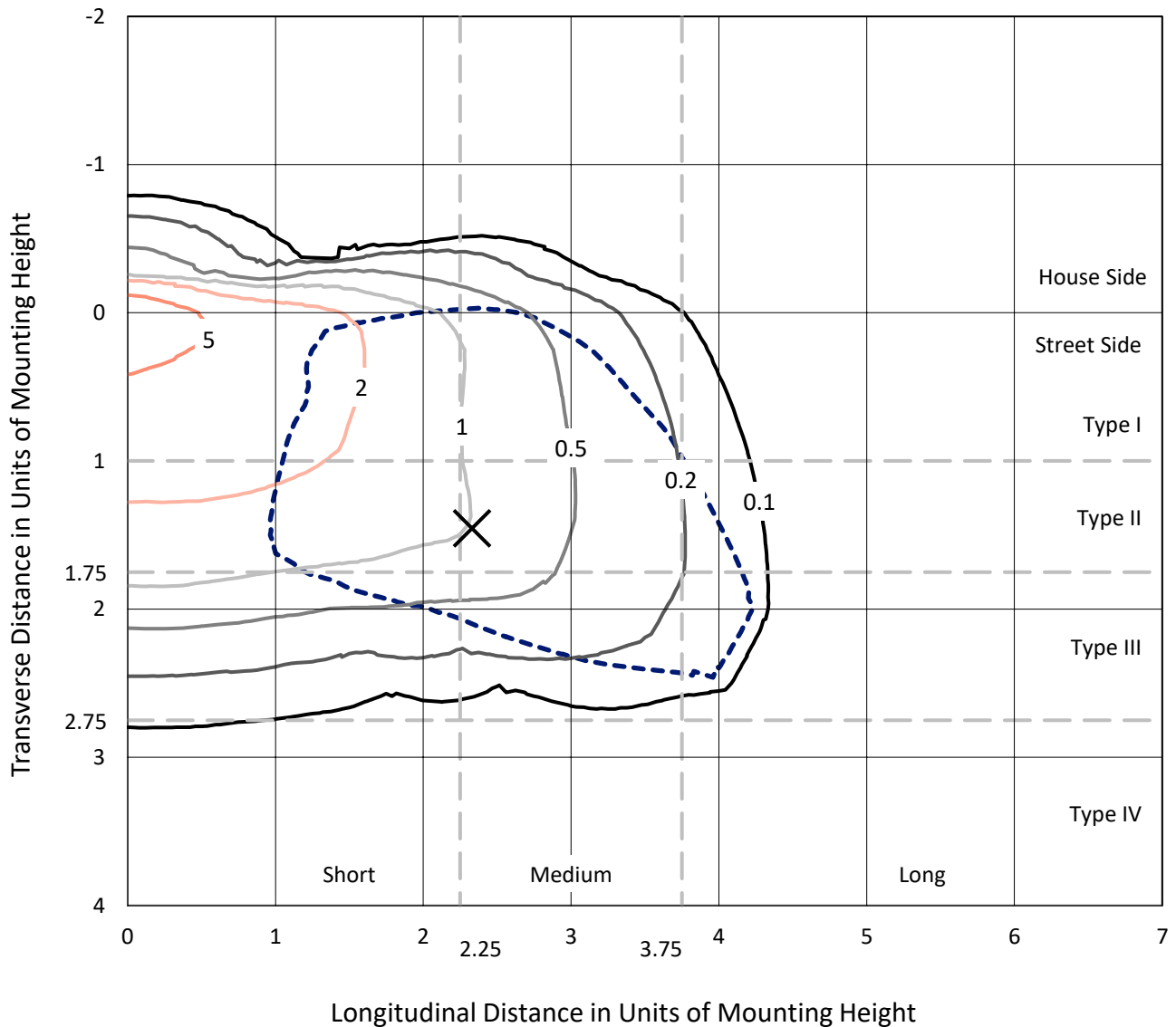
Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

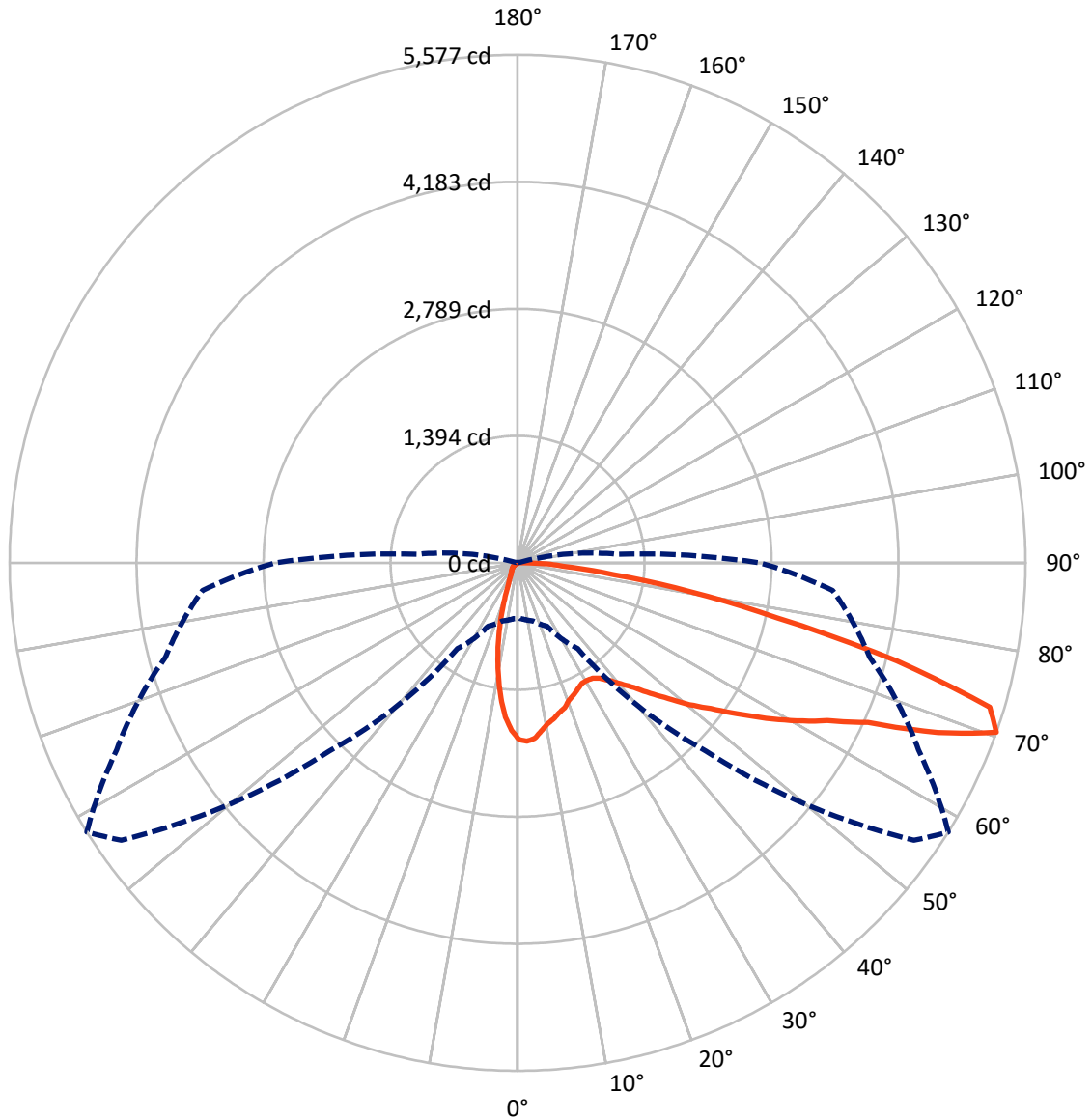
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.6 fc  
 Type III - Medium - N/A

REPORT NUMBER: P676969  
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### Luminous Intensity Polar Plot



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

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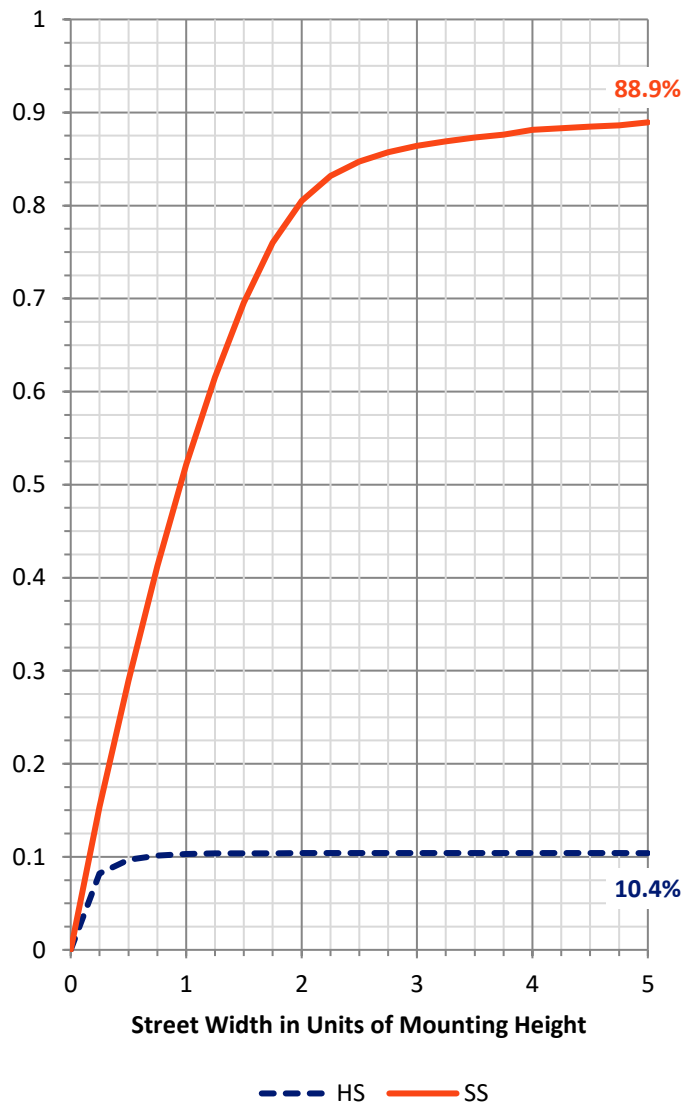
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	654.3	0.0	654.3
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	5594.0	0.0	5594.0
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	6248.4	0.0	6248.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.3	2.5
10°-20°	329.5	5.3
20°-30°	441.2	7.1
30°-40°	596.4	9.5
40°-50°	855.9	13.7
50°-60°	1261.4	20.2
60°-70°	1538.6	24.6
70°-80°	939.5	15.0
80°-90°	127.6	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°	6248.4	100.0
0°-180°	6248.4	100.0

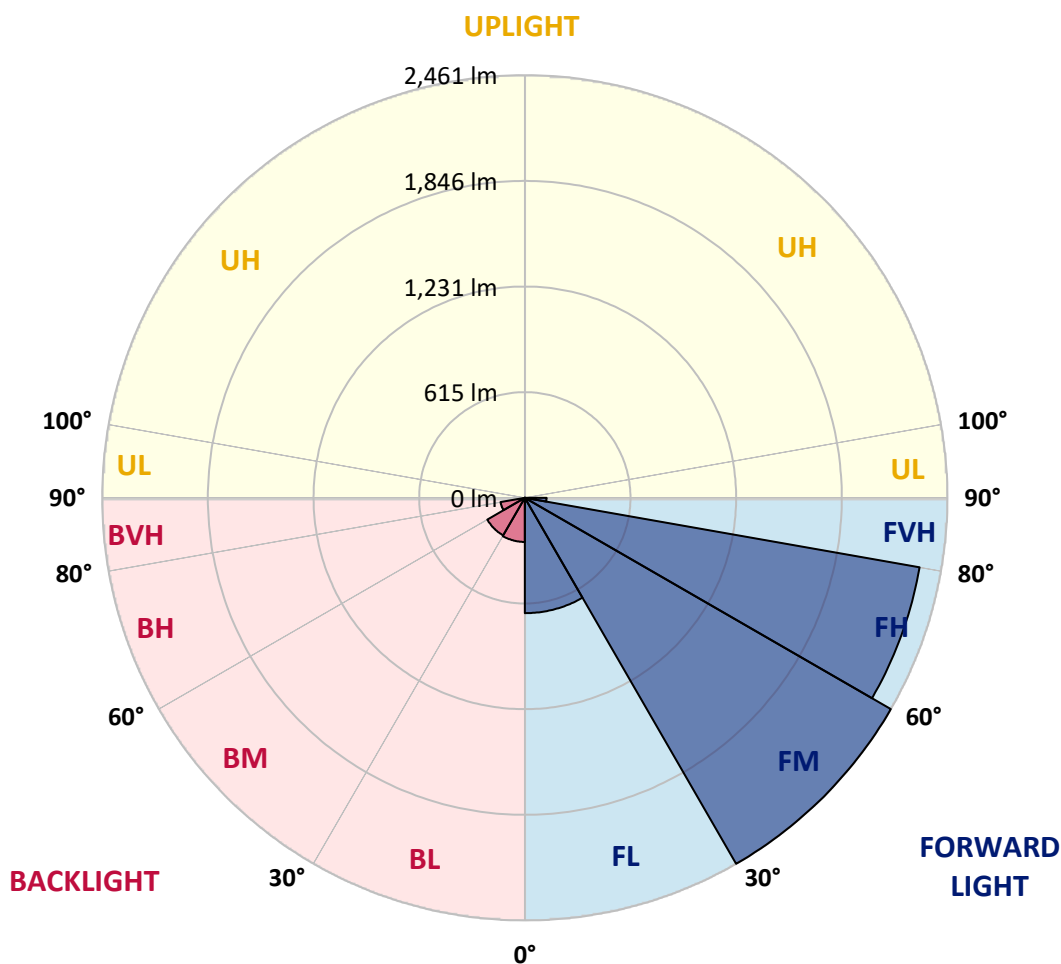


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	671.8	10.8			
FM (30°-60°)	2461.2	39.4			
FH (60°-80°)	2334.7	37.4			G2/5000
FVH (80°-90°)	126.4	2.0			G2/225
BL (0°-30°)	257.1	4.1	B1/500		
BM (30°-60°)	252.5	4.0	B1/1000		
BH (60°-80°)	143.4	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
2.5°	1974.8	1982.2	1964.6	1985.1	1966.0	1974.8	1964.6	1961.7	1963.1	1964.6	1952.9
5°	1882.5	1900.1	1907.4	1895.7	1923.6	1919.2	1936.7	1938.2	1930.9	1923.6	1925.0
7.5°	1760.9	1778.5	1785.9	1793.2	1821.0	1857.6	1881.1	1866.4	1878.1	1904.5	1865.0
10°	1673.0	1668.7	1667.2	1681.8	1734.6	1765.3	1804.9	1800.5	1829.8	1854.7	1822.5
12.5°	1564.6	1555.8	1582.2	1593.9	1640.8	1695.0	1725.8	1758.0	1787.3	1813.7	1777.1
15°	1484.1	1491.4	1501.6	1526.5	1560.2	1632.0	1677.4	1708.2	1760.9	1774.1	1759.5
17.5°	1419.6	1425.5	1440.1	1453.3	1495.8	1564.6	1636.4	1673.0	1728.7	1763.9	1718.5
20°	1421.1	1403.5	1403.5	1416.7	1440.1	1522.1	1598.3	1610.0	1686.2	1746.3	1715.5
22.5°	1422.5	1416.7	1403.5	1402.0	1412.3	1470.9	1548.5	1574.9	1656.9	1727.3	1690.6
25°	1443.0	1421.1	1422.5	1402.0	1406.4	1435.7	1497.2	1536.8	1630.6	1737.5	1677.4
27.5°	1460.6	1470.9	1450.4	1441.6	1416.7	1415.2	1466.5	1500.2	1617.4	1760.9	1686.2
30°	1500.2	1507.5	1507.5	1501.6	1478.2	1444.5	1456.2	1498.7	1591.0	1756.6	1671.6
32.5°	1566.1	1552.9	1570.5	1561.7	1530.9	1478.2	1488.5	1510.4	1607.1	1812.2	1695.0
35°	1588.1	1598.3	1621.8	1602.7	1592.5	1561.7	1541.2	1557.3	1630.6	1867.9	1730.2
37.5°	1655.5	1640.8	1656.9	1699.4	1709.7	1654.0	1614.4	1637.9	1718.5	1933.8	1762.4
40°	1661.3	1673.0	1702.3	1785.9	1796.1	1772.7	1740.4	1746.3	1806.4	2018.8	1843.0
42.5°	1690.6	1703.8	1763.9	1834.2	1889.9	1894.3	1870.8	1870.8	1922.1	2155.0	1932.4
45°	1747.8	1725.8	1803.4	1922.1	2002.7	2018.8	2049.6	2042.2	2083.2	2298.6	2099.4
47.5°	1769.7	1777.1	1862.0	2005.6	2097.9	2172.6	2223.9	2225.4	2245.9	2481.7	2316.2
50°	1841.5	1840.1	1942.6	2075.9	2212.2	2348.4	2448.0	2448.0	2446.6	2660.5	2502.2
52.5°	1936.7	1933.8	2012.9	2171.1	2348.4	2519.8	2651.7	2656.1	2689.8	2880.2	2716.1
55°	2092.0	2078.9	2155.0	2272.2	2484.7	2692.7	2921.2	2922.7	2896.3	3037.0	2870.0
57.5°	2222.4	2221.0	2284.0	2396.8	2637.0	2915.4	3180.5	3220.1	3136.6	3198.1	2993.0
60°	2188.7	2207.8	2338.2	2505.2	2798.2	3193.7	3460.4	3521.9	3388.6	3308.0	3085.3
62.5°	1979.2	2023.2	2165.3	2431.9	2934.4	3598.1	3845.7	3817.8	3520.4	3401.8	3198.1
65°	1424.0	1467.9	1643.7	2043.7	2776.2	3883.7	4352.6	4226.6	3754.8	3540.9	3349.0
67.5°	838.0	855.6	965.4	1303.9	2075.9	3728.5	4967.9	4978.1	4216.3	3754.8	3609.8
70°	605.1	618.2	660.7	769.1	1150.0	2922.7	5310.7	5577.3	4856.5	4001.0	3472.1
72.5°	464.4	464.4	536.2	640.2	732.5	1750.7	4887.3	5422.0	4995.7	3765.1	2798.2
75°	334.0	342.8	420.5	550.8	675.4	879.0	3601.0	4302.7	4233.9	3051.6	1954.3
77.5°	191.9	196.3	295.9	461.5	634.4	603.6	2225.4	2916.8	2998.9	1910.4	846.8
80°	98.2	101.1	165.5	364.8	574.3	525.9	1327.3	1920.6	1629.1	555.2	196.3
82.5°	48.3	48.3	74.7	232.9	487.8	465.9	780.9	1060.7	577.2	127.5	82.0
85°	16.1	17.6	33.7	131.9	353.1	281.3	477.6	504.0	193.4	48.3	45.4
87.5°	4.4	5.9	8.8	48.3	153.8	184.6	284.2	322.3	79.1	19.0	22.0
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: P676969

CATALOG NUMBER: CCW-SA-2C-727-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
2.5°	1908.9	1898.7	1886.9	1857.6	1834.2	1803.4	1782.9	1766.8	1736.0	1741.9	1728.7
5°	1889.9	1870.8	1803.4	1739.0	1680.4	1591.0	1529.5	1489.9	1457.7	1425.5	1448.9
7.5°	1856.2	1810.8	1705.3	1585.1	1460.6	1343.4	1226.2	1155.9	1104.6	1057.7	1056.3
10°	1799.0	1725.8	1560.2	1403.5	1211.6	1057.7	908.3	791.1	714.9	659.3	657.8
12.5°	1734.6	1658.4	1450.4	1195.5	974.2	757.4	578.7	454.2	382.4	338.4	332.6
15°	1693.6	1582.2	1312.7	1010.9	736.9	493.7	320.8	243.2	215.4	205.1	205.1
17.5°	1640.8	1513.4	1176.4	818.9	511.3	285.7	208.0	187.5	186.1	183.1	180.2
20°	1618.8	1460.6	1054.8	653.4	323.8	202.2	178.7	174.3	174.3	171.4	168.5
22.5°	1560.2	1384.4	925.9	479.1	215.4	177.3	168.5	162.6	159.7	156.8	159.7
25°	1533.9	1330.2	804.3	331.1	175.8	158.2	153.8	148.0	143.6	142.1	142.1
27.5°	1516.3	1276.0	685.6	230.0	155.3	145.0	136.2	131.9	126.0	120.1	120.1
30°	1503.1	1233.5	571.4	169.9	139.2	128.9	121.6	111.3	104.0	98.2	98.2
32.5°	1485.5	1183.7	457.1	145.0	126.0	115.7	102.6	93.8	83.5	79.1	79.1
35°	1491.4	1150.0	358.9	128.9	112.8	99.6	87.9	76.2	65.9	61.5	60.1
37.5°	1503.1	1125.1	272.5	115.7	101.1	86.4	73.3	60.1	54.2	48.3	48.3
40°	1552.9	1117.8	200.7	106.9	92.3	76.2	61.5	49.8	44.0	39.6	38.1
42.5°	1636.4	1128.1	155.3	96.7	83.5	64.5	51.3	41.0	35.2	30.8	29.3
45°	1743.4	1167.6	127.5	90.8	73.3	54.2	41.0	33.7	26.4	23.4	23.4
47.5°	1898.7	1229.1	111.3	83.5	64.5	45.4	35.2	26.4	20.5	17.6	17.6
50°	2074.5	1299.5	98.2	74.7	55.7	38.1	27.8	20.5	14.7	13.2	13.2
52.5°	2250.3	1388.8	90.8	68.9	48.3	30.8	22.0	14.7	10.3	8.8	8.8
55°	2434.9	1467.9	82.0	64.5	39.6	24.9	16.1	8.8	5.9	4.4	4.4
57.5°	2563.8	1498.7	71.8	55.7	30.8	19.0	11.7	5.9	2.9	1.5	1.5
60°	2656.1	1503.1	61.5	45.4	23.4	14.7	7.3	2.9	1.5	0.0	0.0
62.5°	2733.7	1511.9	52.7	35.2	17.6	10.3	4.4	1.5	0.0	0.0	0.0
65°	2887.5	1504.6	42.5	27.8	11.7	5.9	2.9	0.0	0.0	0.0	0.0
67.5°	3009.1	1431.3	33.7	19.0	7.3	2.9	1.5	0.0	0.0	0.0	0.0
70°	2661.9	1091.4	26.4	13.2	4.4	1.5	0.0	0.0	0.0	0.0	0.0
72.5°	2090.6	728.1	17.6	7.3	2.9	1.5	0.0	0.0	0.0	0.0	0.0
75°	1371.3	361.9	13.2	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	533.3	95.2	8.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	128.9	32.2	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	55.7	11.7	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	33.7	5.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.6	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)