

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: P677079

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677079
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-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL3 distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

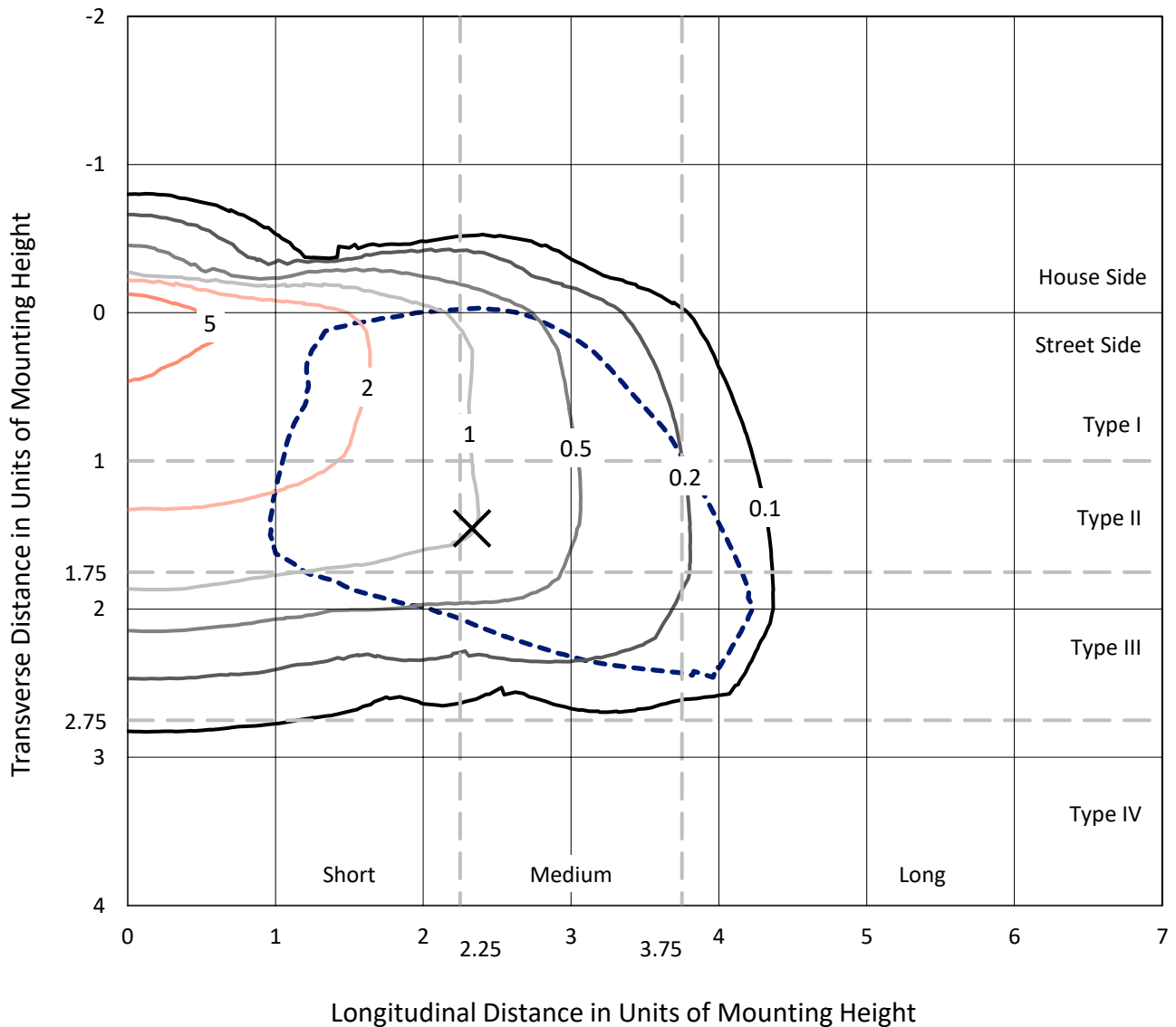
Lumens per Lamp: N/A
Luminaire Lumens: 6519.6 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

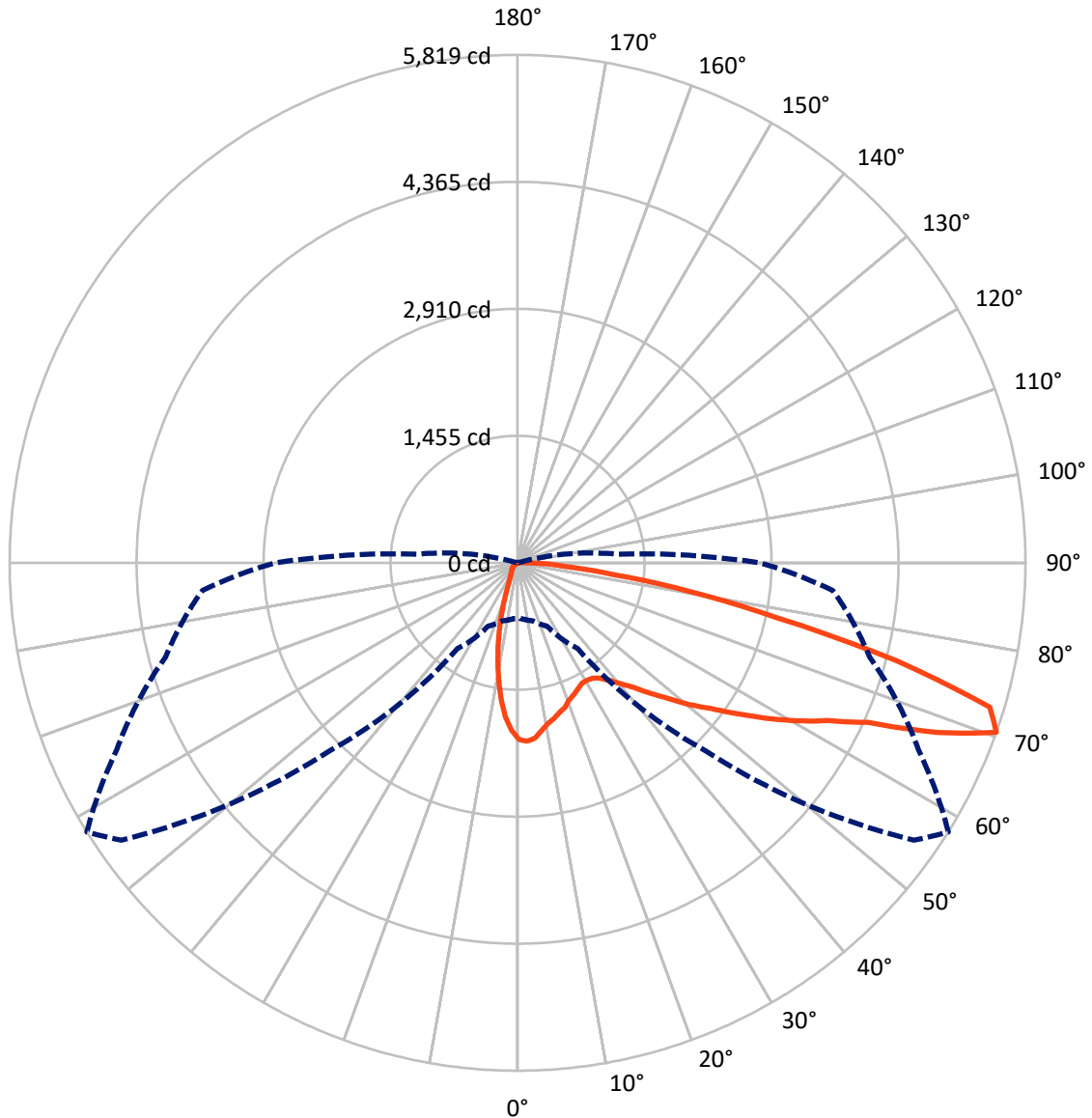
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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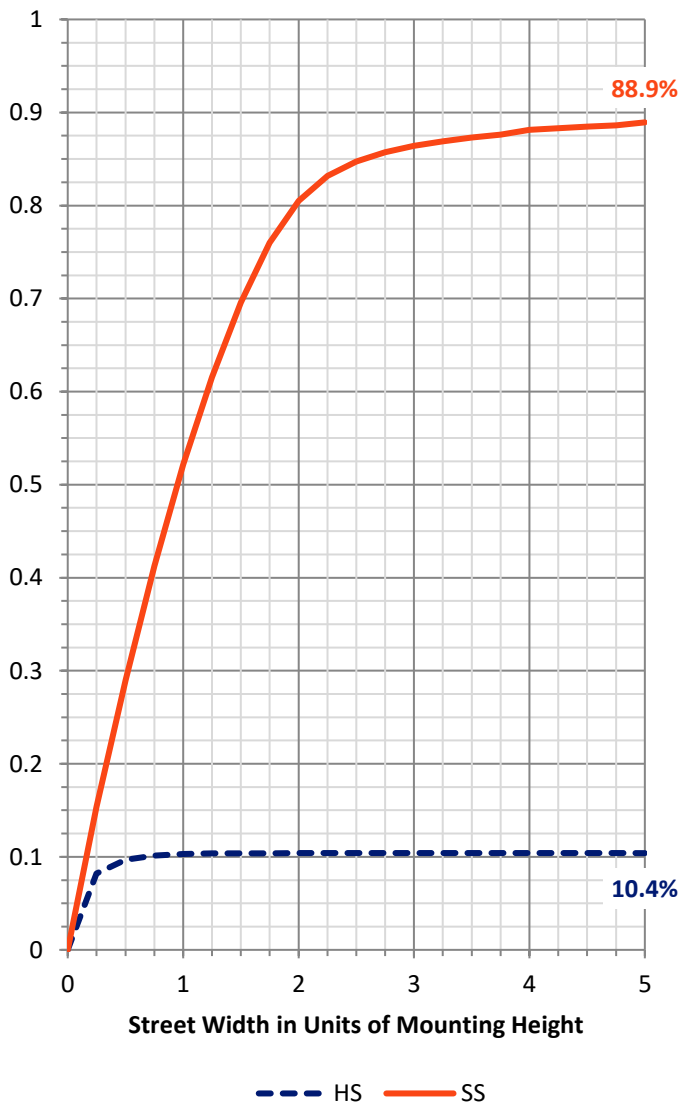
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	682.7	0.0	682.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5836.9	0.0	5836.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	6519.6	0.0	6519.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.1	2.5
10°-20°	343.8	5.3
20°-30°	460.3	7.1
30°-40°	622.3	9.5
40°-50°	893.1	13.7
50°-60°	1316.1	20.2
60°-70°	1605.3	24.6
70°-80°	980.3	15.0
80°-90°	133.2	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°	6519.6	100.0
0°-180°	6519.6	100.0

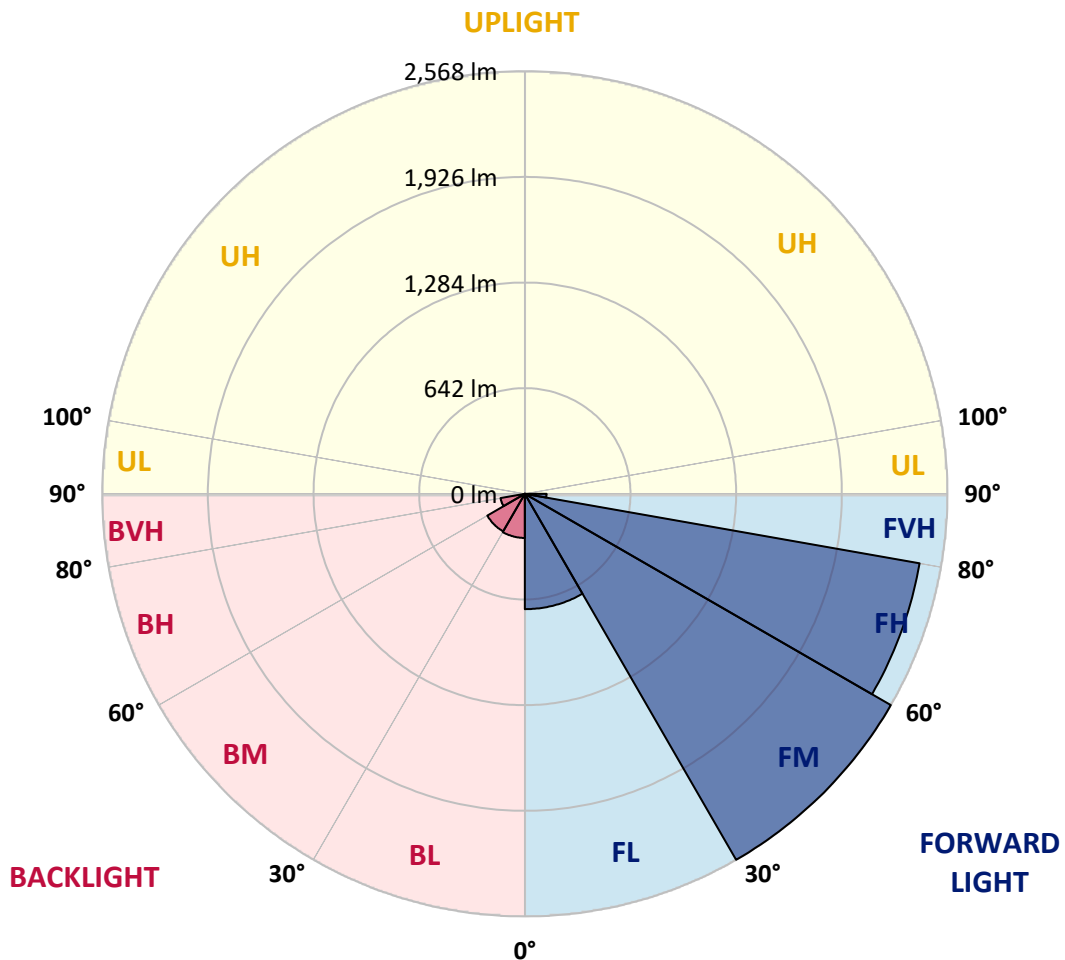


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	701.0	10.8			
FM (30°-60°)	2568.0	39.4			
FH (60°-80°)	2436.0	37.4			G2/5000
FVH (80°-90°)	131.9	2.0			G2/225
BL (0°-30°)	268.3	4.1	B1/500		
BM (30°-60°)	263.5	4.0	B1/1000		
BH (60°-80°)	149.6	2.3	B1/500		G1/500
BVH (80°-90°)	1.3	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°	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9
2.5°	2060.6	2068.2	2049.9	2071.3	2051.4	2060.6	2049.9	2046.8	2048.3	2049.9	2037.6
5°	1964.3	1982.6	1990.2	1978.0	2007.1	2002.5	2020.8	2022.3	2014.7	2007.1	2008.6
7.5°	1837.4	1855.7	1863.4	1871.0	1900.1	1938.3	1962.7	1947.4	1959.7	1987.2	1945.9
10°	1745.7	1741.1	1739.5	1754.8	1809.9	1842.0	1883.2	1878.7	1909.2	1935.2	1901.6
12.5°	1632.5	1623.4	1650.9	1663.1	1712.0	1768.6	1800.7	1834.3	1864.9	1892.4	1854.2
15°	1548.5	1556.1	1566.8	1592.8	1628.0	1702.9	1750.3	1782.4	1837.4	1851.1	1835.9
17.5°	1481.2	1487.3	1502.6	1516.4	1560.7	1632.5	1707.4	1745.7	1803.8	1840.4	1793.1
20°	1482.7	1464.4	1464.4	1478.2	1502.6	1588.2	1667.7	1679.9	1759.4	1822.1	1790.0
22.5°	1484.3	1478.2	1464.4	1462.9	1473.6	1534.7	1615.7	1643.2	1728.8	1802.2	1764.0
25°	1505.7	1482.7	1484.3	1462.9	1467.5	1498.0	1562.2	1603.5	1701.3	1812.9	1750.3
27.5°	1524.0	1534.7	1513.3	1504.1	1478.2	1476.6	1530.1	1565.3	1687.6	1837.4	1759.4
30°	1565.3	1572.9	1572.9	1566.8	1542.4	1507.2	1519.4	1563.8	1660.1	1832.8	1744.1
32.5°	1634.1	1620.3	1638.7	1629.5	1597.4	1542.4	1553.1	1576.0	1676.9	1890.9	1768.6
35°	1657.0	1667.7	1692.2	1672.3	1661.6	1629.5	1608.1	1624.9	1701.3	1949.0	1805.3
37.5°	1727.3	1712.0	1728.8	1773.2	1783.9	1725.8	1684.5	1709.0	1793.1	2017.8	1838.9
40°	1733.4	1745.7	1776.2	1863.4	1874.1	1849.6	1816.0	1822.1	1884.8	2106.4	1923.0
42.5°	1764.0	1777.8	1840.4	1913.8	1971.9	1976.5	1952.0	1952.0	2005.5	2248.6	2016.2
45°	1823.6	1800.7	1881.7	2005.5	2089.6	2106.4	2138.5	2130.9	2173.7	2398.4	2190.5
47.5°	1846.6	1854.2	1942.9	2092.7	2189.0	2266.9	2320.4	2321.9	2343.3	2589.5	2416.7
50°	1921.5	1919.9	2026.9	2166.0	2308.2	2450.4	2554.3	2554.3	2552.8	2775.9	2610.9
52.5°	2020.8	2017.8	2100.3	2265.4	2450.4	2629.2	2766.8	2771.4	2806.5	3005.2	2834.0
55°	2182.8	2169.1	2248.6	2370.9	2592.5	2809.6	3048.0	3049.6	3022.0	3168.8	2994.5
57.5°	2318.9	2317.4	2383.1	2500.8	2751.5	3041.9	3318.6	3359.9	3272.7	3336.9	3122.9
60°	2283.7	2303.6	2439.7	2613.9	2919.6	3332.4	3610.6	3674.8	3535.7	3451.6	3219.2
62.5°	2065.1	2111.0	2259.3	2537.5	3061.8	3754.2	4012.6	3983.5	3673.2	3549.4	3336.9
65°	1485.8	1531.7	1715.1	2132.4	2896.7	4052.3	4541.5	4410.0	3917.8	3694.6	3494.4
67.5°	874.4	892.7	1007.3	1360.5	2166.0	3890.3	5183.5	5194.2	4399.3	3917.8	3766.5
70°	631.3	645.1	689.4	802.5	1200.0	3049.6	5541.2	5819.4	5067.3	4174.6	3622.8
72.5°	484.6	484.6	559.5	668.0	764.3	1826.7	5099.4	5657.4	5212.5	3928.5	2919.6
75°	348.5	357.7	438.7	574.8	704.7	917.2	3757.3	4489.5	4417.7	3184.1	2039.2
77.5°	200.2	204.8	308.8	481.5	661.9	629.8	2321.9	3043.4	3129.0	1993.3	883.5
80°	102.4	105.5	172.7	380.6	599.2	548.8	1384.9	2004.0	1699.8	579.3	204.8
82.5°	50.4	50.4	78.0	243.0	509.0	486.1	814.7	1106.7	602.3	133.0	85.6
85°	16.8	18.3	35.2	137.6	368.4	293.5	498.3	525.8	201.8	50.4	47.4
87.5°	4.6	6.1	9.2	50.4	160.5	192.6	296.5	336.3	82.5	19.9	22.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9
2.5°	1991.8	1981.1	1968.8	1938.3	1913.8	1881.7	1860.3	1843.5	1811.4	1817.5	1803.8
5°	1971.9	1952.0	1881.7	1814.5	1753.3	1660.1	1595.9	1554.6	1521.0	1487.3	1511.8
7.5°	1936.7	1889.4	1779.3	1653.9	1524.0	1401.7	1279.4	1206.1	1152.6	1103.7	1102.1
10°	1877.1	1800.7	1628.0	1464.4	1264.2	1103.7	947.7	825.4	746.0	687.9	686.3
12.5°	1809.9	1730.4	1513.3	1247.3	1016.5	790.3	603.8	473.9	399.0	353.1	347.0
15°	1767.1	1650.9	1369.6	1054.7	768.9	515.1	334.8	253.7	224.7	214.0	214.0
17.5°	1712.0	1579.0	1227.5	854.5	533.5	298.1	217.1	195.7	194.1	191.1	188.0
20°	1689.1	1524.0	1100.6	681.8	337.8	210.9	186.5	181.9	181.9	178.8	175.8
22.5°	1628.0	1444.5	966.1	499.9	224.7	185.0	175.8	169.7	166.6	163.6	166.6
25°	1600.4	1388.0	839.2	345.5	183.4	165.1	160.5	154.4	149.8	148.3	148.3
27.5°	1582.1	1331.4	715.4	240.0	162.0	151.3	142.2	137.6	131.5	125.3	125.3
30°	1568.3	1287.1	596.2	177.3	145.2	134.5	126.9	116.2	108.5	102.4	102.4
32.5°	1550.0	1235.1	476.9	151.3	131.5	120.8	107.0	97.8	87.1	82.5	82.5
35°	1556.1	1200.0	374.5	134.5	117.7	103.9	91.7	79.5	68.8	64.2	62.7
37.5°	1568.3	1174.0	284.3	120.8	105.5	90.2	76.4	62.7	56.6	50.4	50.4
40°	1620.3	1166.3	209.4	111.6	96.3	79.5	64.2	52.0	45.9	41.3	39.7
42.5°	1707.4	1177.0	162.0	100.9	87.1	67.3	53.5	42.8	36.7	32.1	30.6
45°	1819.0	1218.3	133.0	94.8	76.4	56.6	42.8	35.2	27.5	24.5	24.5
47.5°	1981.1	1282.5	116.2	87.1	67.3	47.4	36.7	27.5	21.4	18.3	18.3
50°	2164.5	1355.9	102.4	78.0	58.1	39.7	29.0	21.4	15.3	13.8	13.8
52.5°	2347.9	1449.1	94.8	71.8	50.4	32.1	22.9	15.3	10.7	9.2	9.2
55°	2540.5	1531.7	85.6	67.3	41.3	26.0	16.8	9.2	6.1	4.6	4.6
57.5°	2675.1	1563.8	74.9	58.1	32.1	19.9	12.2	6.1	3.1	1.5	1.5
60°	2771.4	1568.3	64.2	47.4	24.5	15.3	7.6	3.1	1.5	0.0	0.0
62.5°	2852.4	1577.5	55.0	36.7	18.3	10.7	4.6	1.5	0.0	0.0	0.0
65°	3012.9	1569.9	44.3	29.0	12.2	6.1	3.1	0.0	0.0	0.0	0.0
67.5°	3139.8	1493.4	35.2	19.9	7.6	3.1	1.5	0.0	0.0	0.0	0.0
70°	2777.5	1138.8	27.5	13.8	4.6	1.5	0.0	0.0	0.0	0.0	0.0
72.5°	2181.3	759.7	18.3	7.6	3.1	1.5	0.0	0.0	0.0	0.0	0.0
75°	1430.8	377.6	13.8	4.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	556.4	99.4	9.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	134.5	33.6	4.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	58.1	12.2	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	35.2	6.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.3	3.1	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)