

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: P676991

Luminaire Tested: **CCW-SA-2C-735-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676991
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-735-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) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

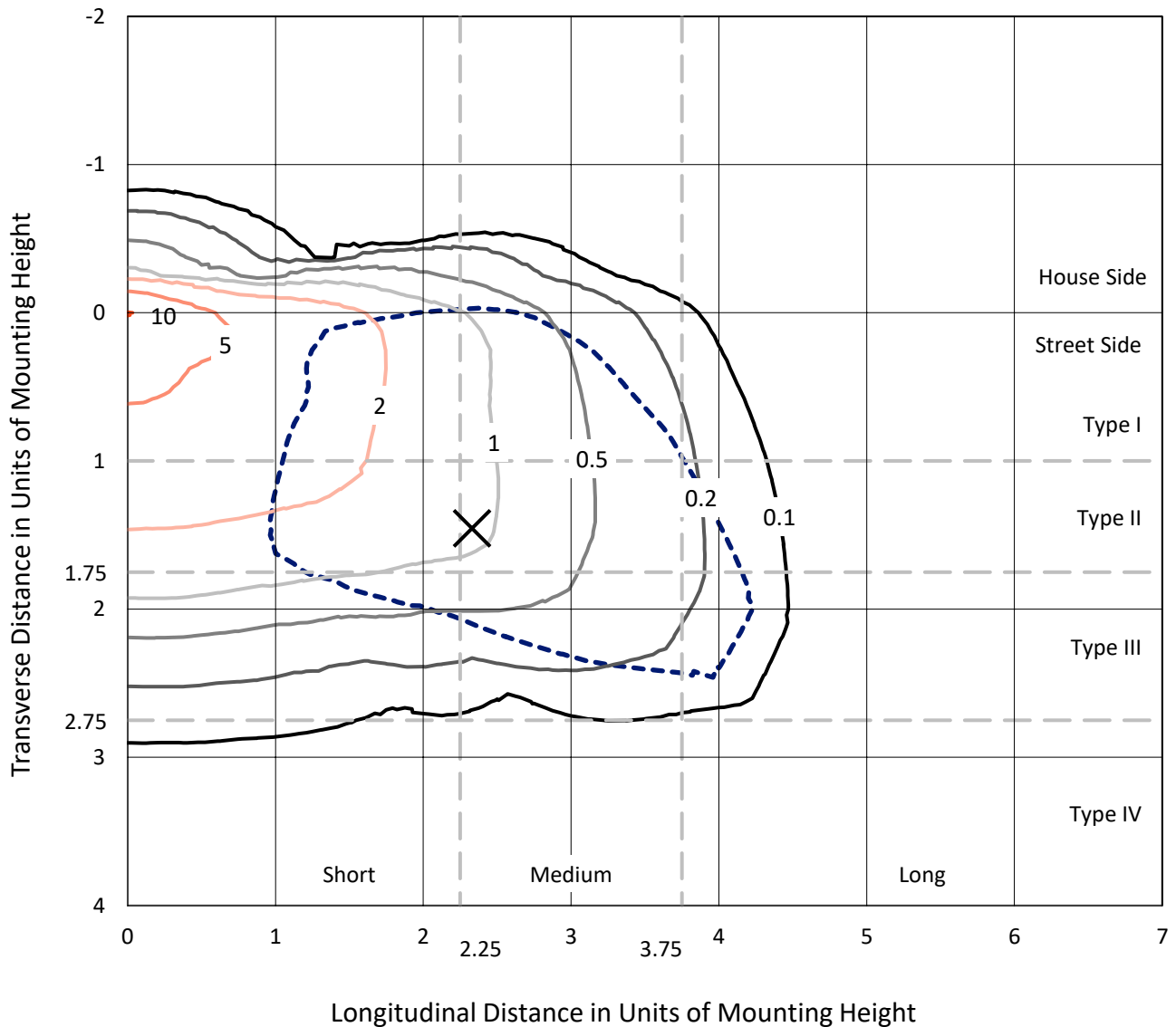
Lumens per Lamp: N/A
Luminaire Lumens: 7369.1 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (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

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Iso-Footcandle Lines of Horizontal Illumination

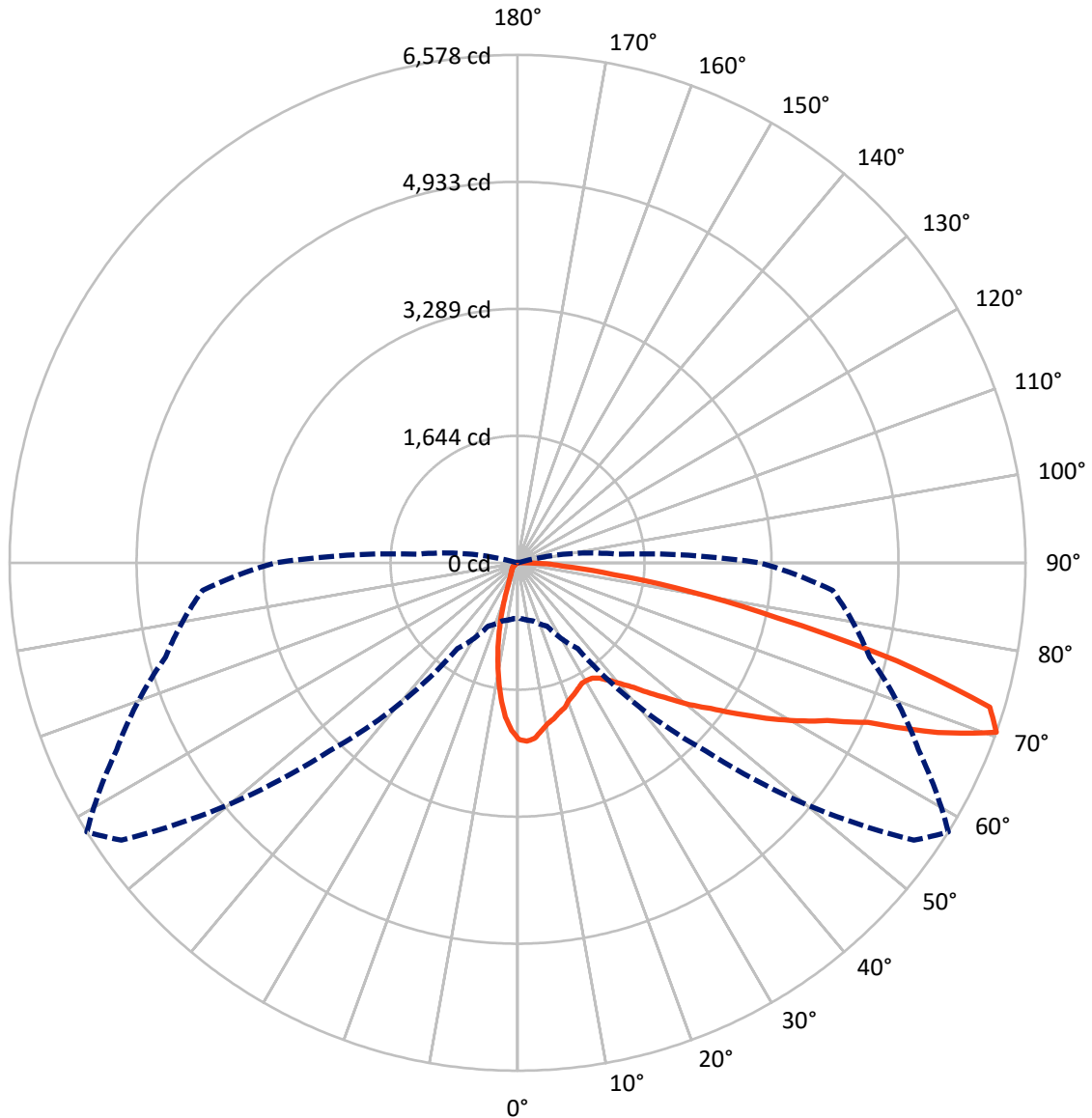
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.2 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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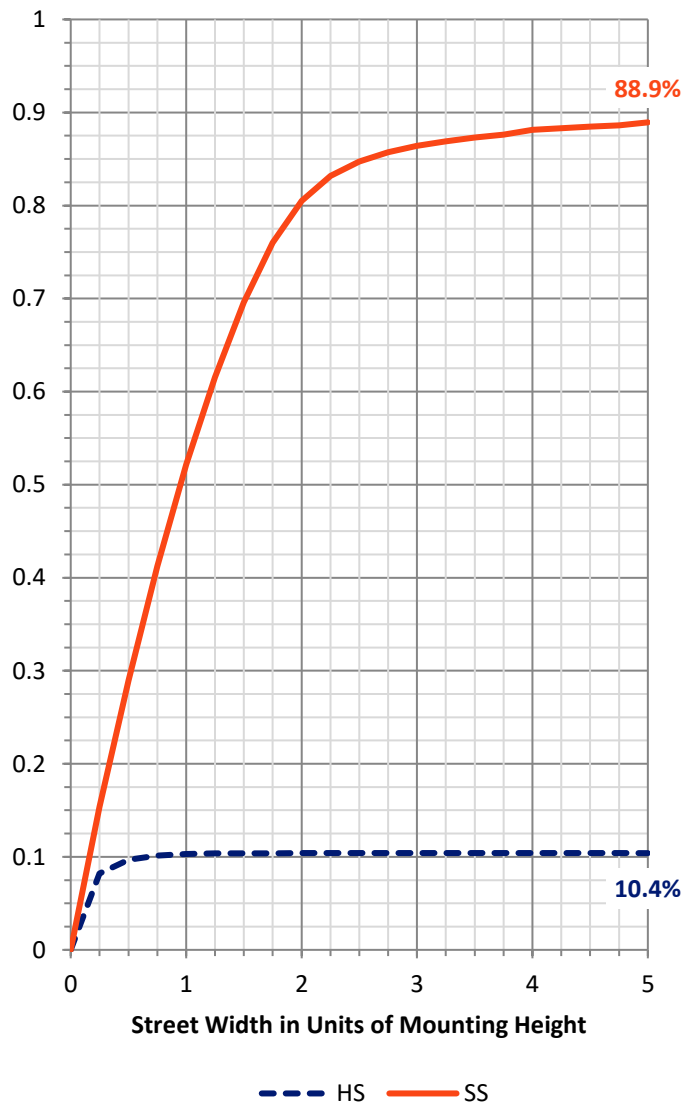
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	771.7	0.0	771.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6597.4	0.0	6597.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	7369.1	0.0	7369.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.7	2.5
10°-20°	388.6	5.3
20°-30°	520.3	7.1
30°-40°	703.3	9.5
40°-50°	1009.5	13.7
50°-60°	1487.6	20.2
60°-70°	1814.5	24.6
70°-80°	1108.0	15.0
80°-90°	150.5	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°	7369.1	100.0
0°-180°	7369.1	100.0

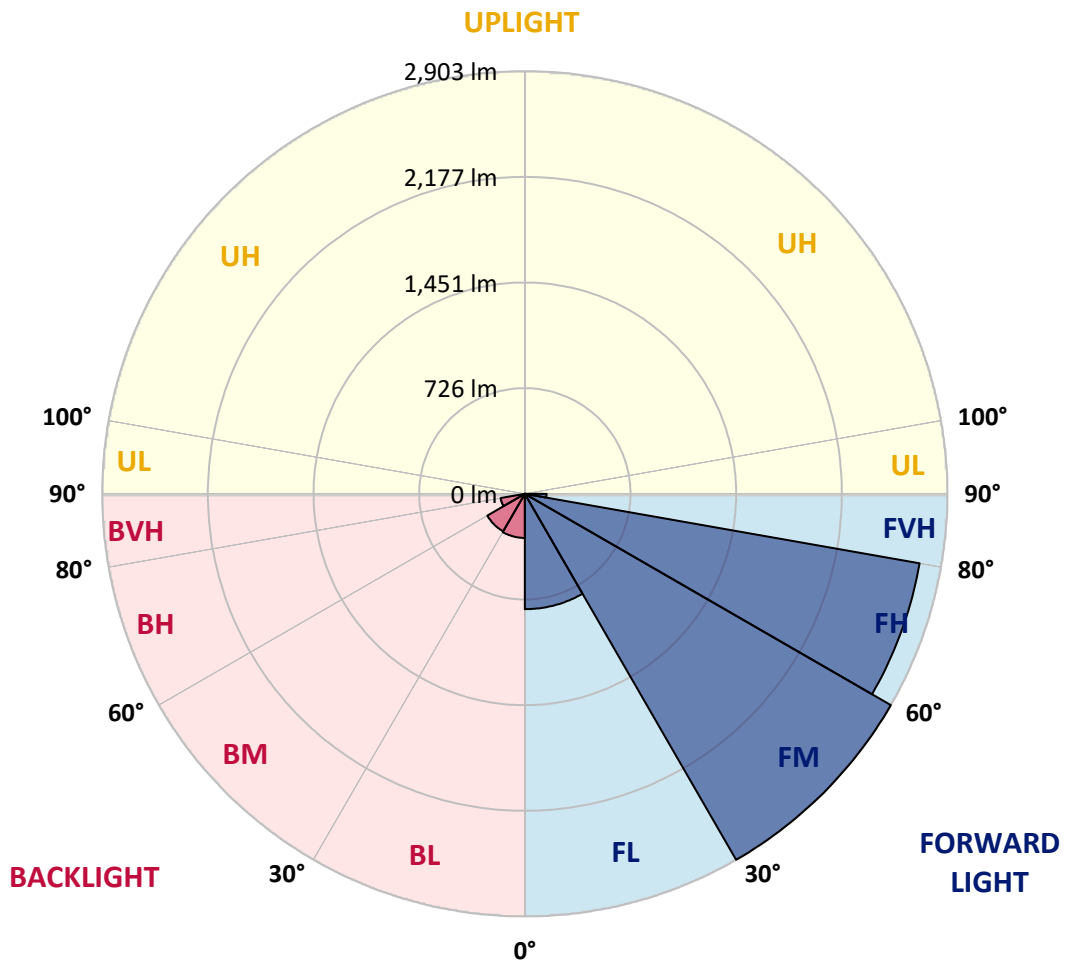


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	792.3	10.8			
FM (30°-60°)	2902.6	39.4			
FH (60°-80°)	2753.4	37.4			G2/5000
FVH (80°-90°)	149.1	2.0			G2/225
BL (0°-30°)	303.3	4.1	B1/500		
BM (30°-60°)	297.8	4.0	B1/1000		
BH (60°-80°)	169.1	2.3	B1/500		G1/500
BVH (80°-90°)	1.5	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°	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6
2.5°	2329.0	2337.7	2317.0	2341.1	2318.7	2329.0	2317.0	2313.5	2315.2	2317.0	2303.1
5°	2220.2	2240.9	2249.6	2235.7	2268.6	2263.4	2284.1	2285.9	2277.2	2268.6	2270.3
7.5°	2076.8	2097.5	2106.2	2114.8	2147.6	2190.8	2218.5	2201.2	2215.0	2246.1	2199.5
10°	1973.1	1967.9	1966.2	1983.5	2045.7	2082.0	2128.6	2123.4	2158.0	2187.4	2149.4
12.5°	1845.3	1834.9	1866.0	1879.8	1935.1	1999.0	2035.3	2073.3	2107.9	2139.0	2095.8
15°	1750.2	1758.9	1771.0	1800.3	1840.1	1924.7	1978.3	2014.6	2076.8	2092.3	2075.1
17.5°	1674.2	1681.1	1698.4	1714.0	1764.1	1845.3	1929.9	1973.1	2038.8	2080.2	2026.7
20°	1675.9	1655.2	1655.2	1670.8	1698.4	1795.2	1885.0	1898.8	1988.7	2059.5	2023.2
22.5°	1677.7	1670.8	1655.2	1653.5	1665.6	1734.7	1826.3	1857.4	1954.1	2037.1	1993.9
25°	1701.9	1675.9	1677.7	1653.5	1658.7	1693.2	1765.8	1812.4	1923.0	2049.1	1978.3
27.5°	1722.6	1734.7	1710.5	1700.1	1670.8	1669.0	1729.5	1769.2	1907.5	2076.8	1988.7
30°	1769.2	1777.9	1777.9	1771.0	1743.3	1703.6	1717.4	1767.5	1876.4	2071.6	1971.4
32.5°	1847.0	1831.4	1852.2	1841.8	1805.5	1743.3	1755.4	1781.3	1895.4	2137.3	1999.0
35°	1872.9	1885.0	1912.7	1890.2	1878.1	1841.8	1817.6	1836.6	1923.0	2202.9	2040.5
37.5°	1952.4	1935.1	1954.1	2004.2	2016.3	1950.7	1904.0	1931.7	2026.7	2280.7	2078.5
40°	1959.3	1973.1	2007.7	2106.2	2118.3	2090.6	2052.6	2059.5	2130.4	2380.9	2173.5
42.5°	1993.9	2009.4	2080.2	2163.2	2228.8	2234.0	2206.4	2206.4	2266.8	2541.6	2278.9
45°	2061.2	2035.3	2126.9	2266.8	2361.9	2380.9	2417.2	2408.5	2456.9	2710.9	2475.9
47.5°	2087.2	2095.8	2196.0	2365.3	2474.2	2562.3	2622.8	2624.5	2648.7	2926.9	2731.6
50°	2171.8	2170.1	2291.0	2448.3	2608.9	2769.6	2887.1	2887.1	2885.4	3137.6	2951.0
52.5°	2284.1	2280.7	2374.0	2560.6	2769.6	2971.8	3127.3	3132.5	3172.2	3396.8	3203.3
55°	2467.3	2451.7	2541.6	2679.8	2930.3	3175.7	3445.2	3446.9	3415.8	3581.7	3384.7
57.5°	2621.0	2619.3	2693.6	2826.6	3110.0	3438.3	3751.0	3797.7	3699.2	3771.7	3529.9
60°	2581.3	2603.8	2757.5	2954.5	3300.1	3766.6	4081.0	4153.6	3996.4	3901.3	3638.7
62.5°	2334.2	2386.1	2553.7	2868.1	3460.7	4243.4	4535.4	4502.6	4151.9	4011.9	3771.7
65°	1679.4	1731.2	1938.6	2410.3	3274.1	4580.3	5133.2	4984.6	4428.3	4176.0	3949.7
67.5°	988.3	1009.0	1138.6	1537.7	2448.3	4397.2	5858.9	5871.0	4972.6	4428.3	4257.3
70°	713.6	729.1	779.2	907.1	1356.3	3446.9	6263.2	6577.7	5727.6	4718.6	4094.8
72.5°	547.7	547.7	632.4	755.0	863.9	2064.7	5763.9	6394.5	5891.7	4440.4	3300.1
75°	393.9	404.3	495.9	649.6	796.5	1036.7	4246.9	5074.5	4993.3	3599.0	2304.9
77.5°	226.3	231.5	349.0	544.3	748.1	711.8	2624.5	3440.0	3536.8	2253.0	998.7
80°	115.8	119.2	195.2	430.2	677.3	620.3	1565.4	2265.1	1921.3	654.8	231.5
82.5°	57.0	57.0	88.1	274.7	575.4	549.4	920.9	1250.9	680.7	150.3	96.8
85°	19.0	20.7	39.7	155.5	416.4	331.7	563.3	594.4	228.1	57.0	53.6
87.5°	5.2	6.9	10.4	57.0	181.4	217.7	335.2	380.1	93.3	22.5	25.9
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°	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6
2.5°	2251.3	2239.2	2225.4	2190.8	2163.2	2126.9	2102.7	2083.7	2047.4	2054.3	2038.8
5°	2228.8	2206.4	2126.9	2050.9	1981.8	1876.4	1803.8	1757.2	1719.1	1681.1	1708.8
7.5°	2189.1	2135.5	2011.1	1869.5	1722.6	1584.4	1446.2	1363.2	1302.7	1247.5	1245.7
10°	2121.7	2035.3	1840.1	1655.2	1428.9	1247.5	1071.2	933.0	843.2	777.5	775.8
12.5°	2045.7	1955.8	1710.5	1409.9	1149.0	893.3	682.5	535.6	451.0	399.1	392.2
15°	1997.3	1866.0	1548.1	1192.2	869.1	582.3	378.4	286.8	254.0	241.9	241.9
17.5°	1935.1	1784.8	1387.4	965.8	603.0	336.9	245.3	221.2	219.4	216.0	212.5
20°	1909.2	1722.6	1244.0	770.6	381.8	238.4	210.8	205.6	205.6	202.2	198.7
22.5°	1840.1	1632.8	1092.0	565.0	254.0	209.1	198.7	191.8	188.3	184.9	188.3
25°	1809.0	1568.8	948.6	390.5	207.3	186.6	181.4	174.5	169.3	167.6	167.6
27.5°	1788.3	1504.9	808.6	271.3	183.1	171.1	160.7	155.5	148.6	141.7	141.7
30°	1772.7	1454.8	673.8	200.4	164.1	152.0	143.4	131.3	122.7	115.8	115.8
32.5°	1752.0	1396.0	539.1	171.1	148.6	136.5	120.9	110.6	98.5	93.3	93.3
35°	1758.9	1356.3	423.3	152.0	133.0	117.5	103.7	89.8	77.8	72.6	70.8
37.5°	1772.7	1326.9	321.4	136.5	119.2	101.9	86.4	70.8	63.9	57.0	57.0
40°	1831.4	1318.3	236.7	126.1	108.9	89.8	72.6	58.7	51.8	46.7	44.9
42.5°	1929.9	1330.4	183.1	114.0	98.5	76.0	60.5	48.4	41.5	36.3	34.6
45°	2056.1	1377.0	150.3	107.1	86.4	63.9	48.4	39.7	31.1	27.6	27.6
47.5°	2239.2	1449.6	131.3	98.5	76.0	53.6	41.5	31.1	24.2	20.7	20.7
50°	2446.5	1532.5	115.8	88.1	65.7	44.9	32.8	24.2	17.3	15.6	15.6
52.5°	2653.9	1637.9	107.1	81.2	57.0	36.3	25.9	17.3	12.1	10.4	10.4
55°	2871.6	1731.2	96.8	76.0	46.7	29.4	19.0	10.4	6.9	5.2	5.2
57.5°	3023.6	1767.5	84.7	65.7	36.3	22.5	13.8	6.9	3.5	1.7	1.7
60°	3132.5	1772.7	72.6	53.6	27.6	17.3	8.6	3.5	1.7	0.0	0.0
62.5°	3224.0	1783.1	62.2	41.5	20.7	12.1	5.2	1.7	0.0	0.0	0.0
65°	3405.5	1774.4	50.1	32.8	13.8	6.9	3.5	0.0	0.0	0.0	0.0
67.5°	3548.9	1688.0	39.7	22.5	8.6	3.5	1.7	0.0	0.0	0.0	0.0
70°	3139.4	1287.2	31.1	15.6	5.2	1.7	0.0	0.0	0.0	0.0	0.0
72.5°	2465.5	858.7	20.7	8.6	3.5	1.7	0.0	0.0	0.0	0.0	0.0
75°	1617.2	426.8	15.6	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	628.9	112.3	10.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	152.0	38.0	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	65.7	13.8	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	39.7	6.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.7	3.5	1.7	1.7	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)