

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: P677024

Luminaire Tested: **CCW-SA-2C-760-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677024
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-760-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) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

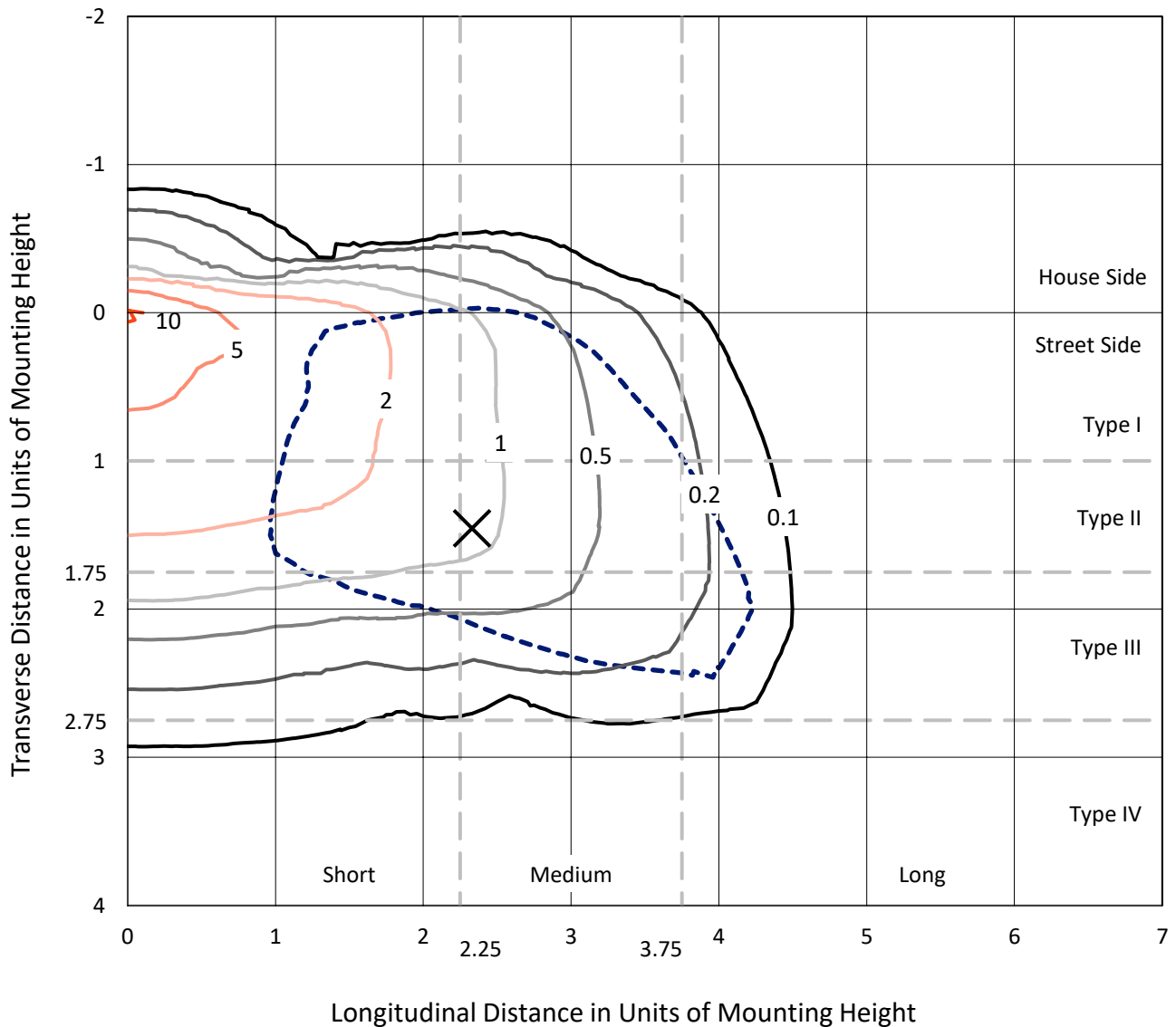
Lumens per Lamp: N/A
Luminaire Lumens: 7642.5 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

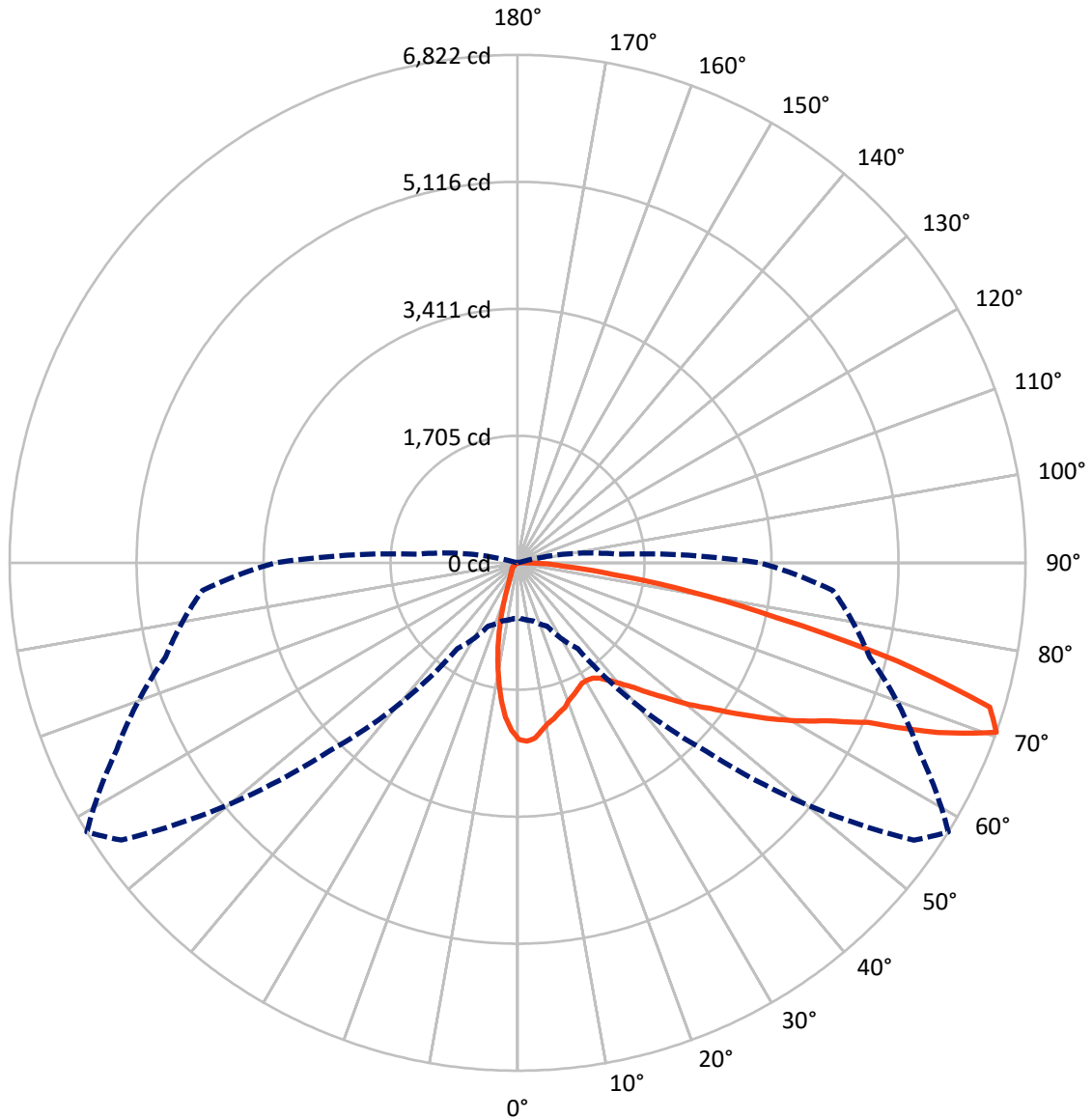
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.5 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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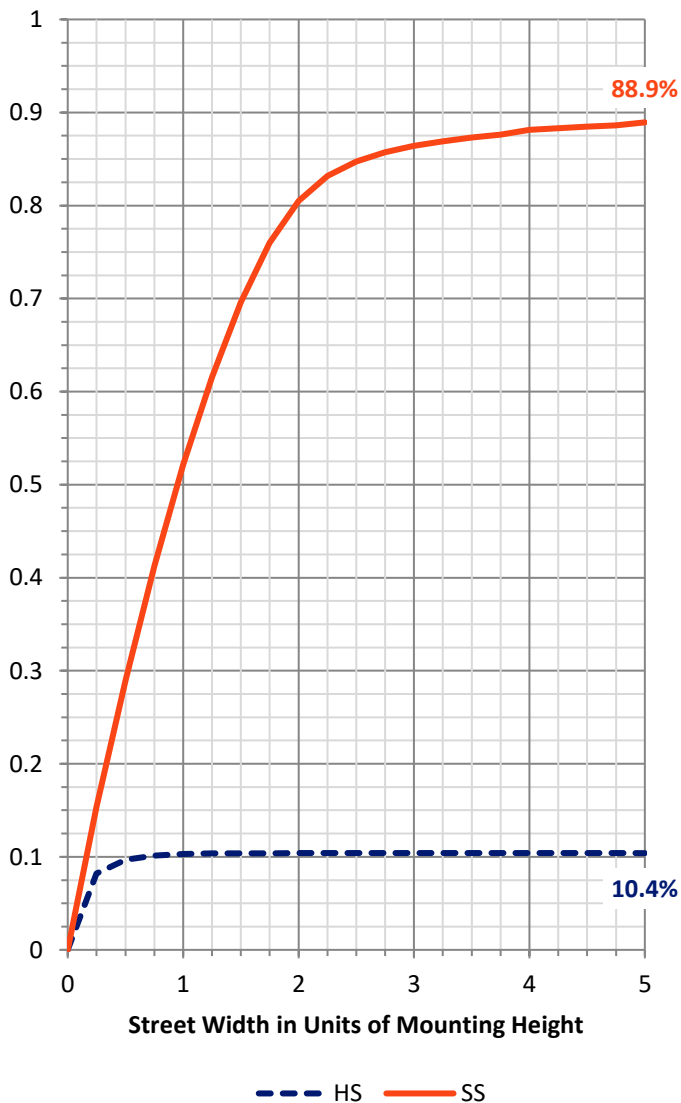
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	800.3	0.0	800.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6842.2	0.0	6842.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	7642.5	0.0	7642.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.6	2.5
10°-20°	403.0	5.3
20°-30°	539.6	7.1
30°-40°	729.5	9.5
40°-50°	1046.9	13.7
50°-60°	1542.8	20.2
60°-70°	1881.9	24.6
70°-80°	1149.1	15.0
80°-90°	156.1	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°	7642.5	100.0
0°-180°	7642.5	100.0

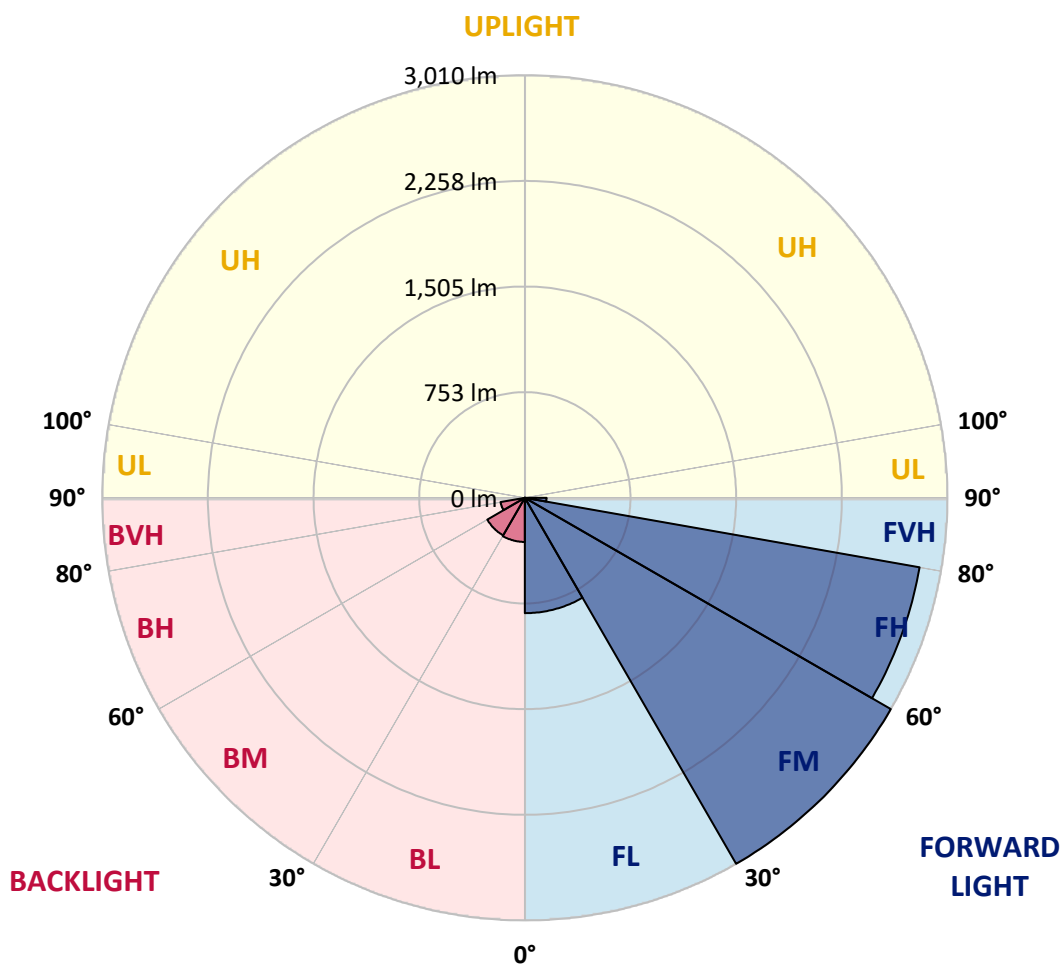


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	821.7	10.8			
FM (30°-60°)	3010.3	39.4			
FH (60°-80°)	2855.6	37.4			G2/5000
FVH (80°-90°)	154.6	2.0			G2/225
BL (0°-30°)	314.5	4.1	B1/500		
BM (30°-60°)	308.9	4.0	B1/1000		
BH (60°-80°)	175.4	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°	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5
2.5°	2415.5	2424.4	2402.9	2428.0	2404.7	2415.5	2402.9	2399.3	2401.1	2402.9	2388.6
5°	2302.6	2324.1	2333.0	2318.7	2352.8	2347.4	2368.9	2370.7	2361.7	2352.8	2354.6
7.5°	2153.9	2175.4	2184.3	2193.3	2227.3	2272.1	2300.8	2282.9	2297.2	2329.5	2281.1
10°	2046.3	2041.0	2039.2	2057.1	2121.6	2159.2	2207.6	2202.2	2238.1	2268.5	2229.1
12.5°	1913.7	1903.0	1935.2	1949.6	2006.9	2073.2	2110.9	2150.3	2186.1	2218.4	2173.6
15°	1815.2	1824.1	1836.7	1867.2	1908.4	1996.2	2051.7	2089.3	2153.9	2170.0	2152.1
17.5°	1736.3	1743.5	1761.4	1777.6	1829.5	1913.7	2001.5	2046.3	2114.4	2157.4	2101.9
20°	1738.1	1716.6	1716.6	1732.8	1761.4	1861.8	1955.0	1969.3	2062.5	2135.9	2098.3
22.5°	1739.9	1732.8	1716.6	1714.8	1727.4	1799.1	1894.0	1926.3	2026.6	2112.6	2067.8
25°	1765.0	1738.1	1739.9	1714.8	1720.2	1756.1	1831.3	1879.7	1994.4	2125.2	2051.7
27.5°	1786.5	1799.1	1774.0	1763.2	1732.8	1731.0	1793.7	1834.9	1978.3	2153.9	2062.5
30°	1834.9	1843.9	1843.9	1836.7	1808.0	1766.8	1781.1	1833.1	1946.0	2148.5	2044.6
32.5°	1915.5	1899.4	1920.9	1910.2	1872.5	1808.0	1820.6	1847.4	1965.7	2216.6	2073.2
35°	1942.4	1955.0	1983.6	1960.3	1947.8	1910.2	1885.1	1904.8	1994.4	2284.7	2116.2
37.5°	2024.8	2006.9	2026.6	2078.6	2091.1	2023.0	1974.7	2003.3	2101.9	2365.3	2155.6
40°	2032.0	2046.3	2082.2	2184.3	2196.9	2168.2	2128.8	2135.9	2209.4	2469.2	2254.2
42.5°	2067.8	2084.0	2157.4	2243.5	2311.5	2316.9	2288.3	2288.3	2351.0	2635.9	2363.5
45°	2137.7	2110.9	2205.8	2351.0	2449.5	2469.2	2506.9	2497.9	2548.1	2811.5	2567.8
47.5°	2164.6	2173.6	2277.5	2453.1	2566.0	2657.4	2720.1	2721.9	2747.0	3035.5	2833.0
50°	2252.4	2250.6	2376.1	2539.1	2705.8	2872.4	2994.3	2994.3	2992.5	3254.1	3060.6
52.5°	2368.9	2365.3	2462.1	2655.6	2872.4	3082.1	3243.3	3248.7	3289.9	3522.9	3322.2
55°	2558.8	2542.7	2635.9	2779.2	3039.1	3293.5	3573.0	3574.8	3542.6	3714.6	3510.3
57.5°	2718.3	2716.5	2793.6	2931.5	3225.4	3565.9	3890.2	3938.6	3836.4	3911.7	3660.8
60°	2677.1	2700.4	2859.9	3064.1	3422.5	3906.3	4232.5	4307.7	4144.7	4046.1	3773.7
62.5°	2420.9	2474.6	2648.4	2974.5	3589.2	4400.9	4703.7	4669.7	4305.9	4160.8	3911.7
65°	1741.7	1795.5	2010.5	2499.7	3395.6	4750.3	5323.7	5169.6	4592.6	4331.0	4096.3
67.5°	1025.0	1046.5	1180.9	1594.8	2539.1	4560.4	6076.3	6088.9	5157.1	4592.6	4415.2
70°	740.1	756.2	808.1	940.7	1406.6	3574.8	6495.6	6821.7	5940.1	4893.7	4246.8
72.5°	568.0	568.0	655.8	783.1	895.9	2141.3	5977.8	6631.8	6110.4	4605.2	3422.5
75°	408.6	419.3	514.3	673.8	826.1	1075.1	4404.5	5262.8	5178.6	3732.5	2390.4
77.5°	234.7	240.1	362.0	564.4	775.9	738.3	2721.9	3567.7	3668.0	2336.6	1035.7
80°	120.1	123.6	202.5	446.2	702.4	643.3	1623.5	2349.2	1992.6	679.1	240.1
82.5°	59.1	59.1	91.4	284.9	596.7	569.8	955.1	1297.3	706.0	155.9	100.3
85°	19.7	21.5	41.2	161.3	431.8	344.0	584.2	616.4	236.5	59.1	55.5
87.5°	5.4	7.2	10.8	59.1	188.1	225.8	347.6	394.2	96.8	23.3	26.9
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°	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5
2.5°	2334.8	2322.3	2308.0	2272.1	2243.5	2205.8	2180.7	2161.0	2123.4	2130.6	2114.4
5°	2311.5	2288.3	2205.8	2127.0	2055.3	1946.0	1870.7	1822.4	1782.9	1743.5	1772.2
7.5°	2270.3	2214.8	2085.8	1938.8	1786.5	1643.2	1499.8	1413.8	1351.1	1293.7	1292.0
10°	2200.4	2110.9	1908.4	1716.6	1481.9	1293.7	1111.0	967.6	874.4	806.4	804.6
12.5°	2121.6	2028.4	1774.0	1462.2	1191.6	926.4	707.8	555.5	467.7	413.9	406.8
15°	2071.4	1935.2	1605.5	1236.4	901.3	603.9	392.4	297.5	263.4	250.9	250.9
17.5°	2006.9	1851.0	1438.9	1001.7	625.4	349.4	254.4	229.4	227.6	224.0	220.4
20°	1980.0	1786.5	1290.2	799.2	396.0	247.3	218.6	213.2	213.2	209.7	206.1
22.5°	1908.4	1693.3	1132.5	585.9	263.4	216.8	206.1	198.9	195.3	191.7	195.3
25°	1876.1	1627.0	983.8	405.0	215.0	193.5	188.1	181.0	175.6	173.8	173.8
27.5°	1854.6	1560.7	838.6	281.3	189.9	177.4	166.6	161.3	154.1	146.9	146.9
30°	1838.5	1508.8	698.8	207.9	170.2	157.7	148.7	136.2	127.2	120.1	120.1
32.5°	1817.0	1447.9	559.1	177.4	154.1	141.6	125.4	114.7	102.1	96.8	96.8
35°	1824.1	1406.6	439.0	157.7	138.0	121.8	107.5	93.2	80.6	75.3	73.5
37.5°	1838.5	1376.2	333.3	141.6	123.6	105.7	89.6	73.5	66.3	59.1	59.1
40°	1899.4	1367.2	245.5	130.8	112.9	93.2	75.3	60.9	53.8	48.4	46.6
42.5°	2001.5	1379.8	189.9	118.3	102.1	78.8	62.7	50.2	43.0	37.6	35.8
45°	2132.4	1428.1	155.9	111.1	89.6	66.3	50.2	41.2	32.3	28.7	28.7
47.5°	2322.3	1503.4	136.2	102.1	78.8	55.5	43.0	32.3	25.1	21.5	21.5
50°	2537.3	1589.4	120.1	91.4	68.1	46.6	34.0	25.1	17.9	16.1	16.1
52.5°	2752.4	1698.7	111.1	84.2	59.1	37.6	26.9	17.9	12.5	10.8	10.8
55°	2978.1	1795.5	100.3	78.8	48.4	30.5	19.7	10.8	7.2	5.4	5.4
57.5°	3135.8	1833.1	87.8	68.1	37.6	23.3	14.3	7.2	3.6	1.8	1.8
60°	3248.7	1838.5	75.3	55.5	28.7	17.9	9.0	3.6	1.8	0.0	0.0
62.5°	3343.7	1849.2	64.5	43.0	21.5	12.5	5.4	1.8	0.0	0.0	0.0
65°	3531.8	1840.3	52.0	34.0	14.3	7.2	3.6	0.0	0.0	0.0	0.0
67.5°	3680.6	1750.7	41.2	23.3	9.0	3.6	1.8	0.0	0.0	0.0	0.0
70°	3255.9	1335.0	32.3	16.1	5.4	1.8	0.0	0.0	0.0	0.0	0.0
72.5°	2557.0	890.6	21.5	9.0	3.6	1.8	0.0	0.0	0.0	0.0	0.0
75°	1677.2	442.6	16.1	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	652.2	116.5	10.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	157.7	39.4	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	68.1	14.3	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	41.2	7.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.5	3.6	1.8	1.8	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)