

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: P677002

Luminaire Tested: **CCW-SA-2C-740-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677002
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-740-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) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

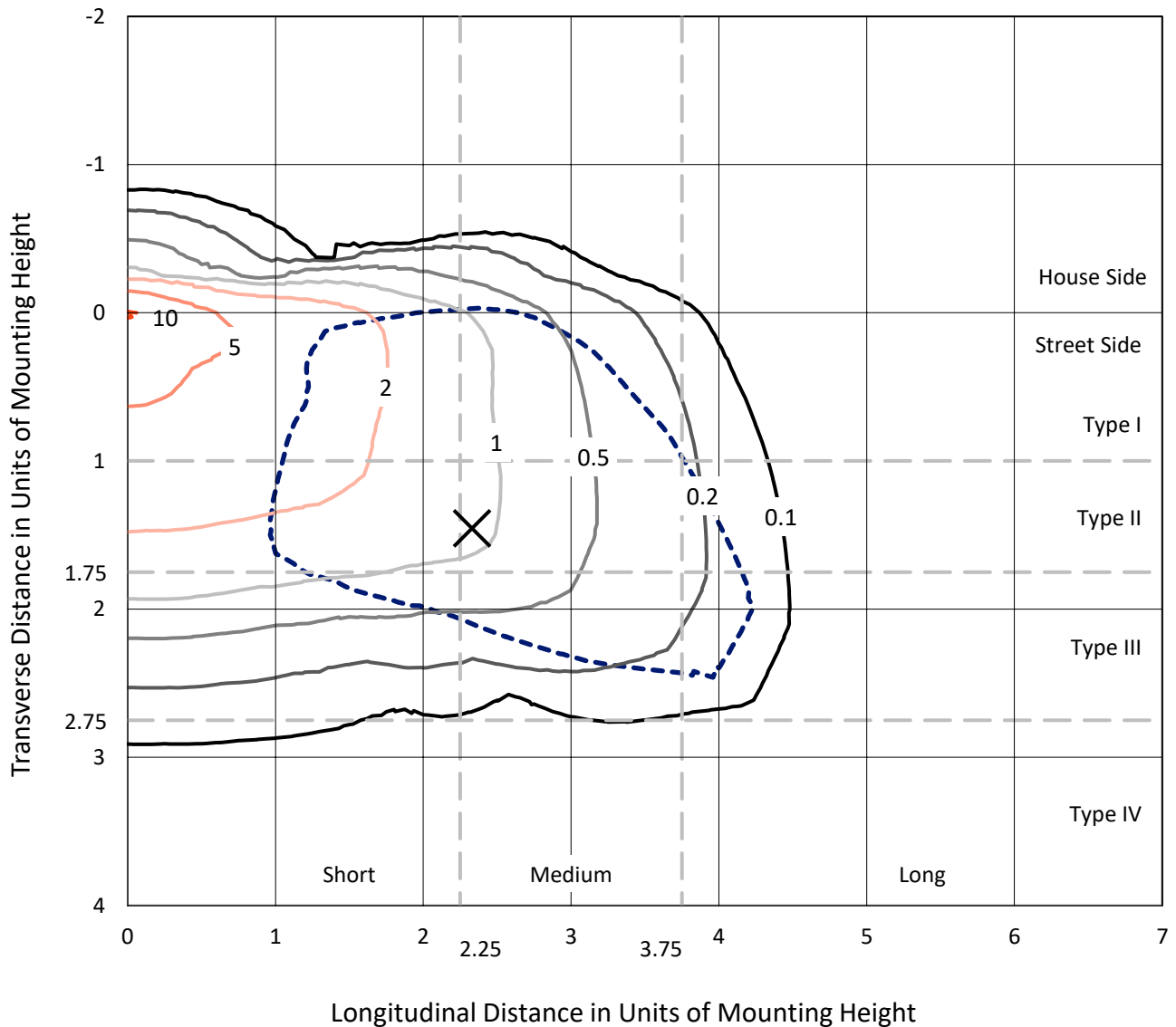
Lumens per Lamp: N/A
Luminaire Lumens: 7471.4 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

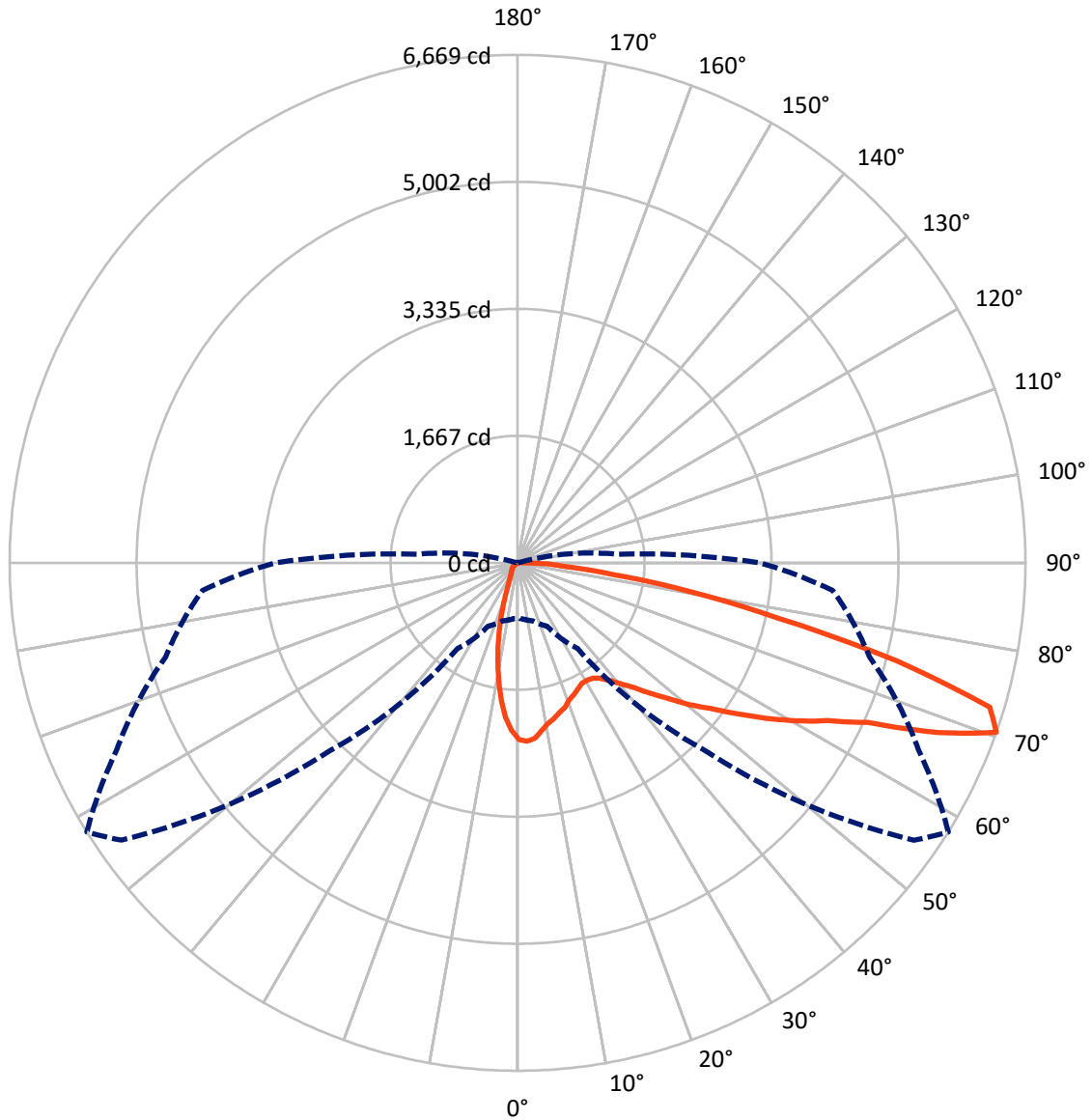
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.3 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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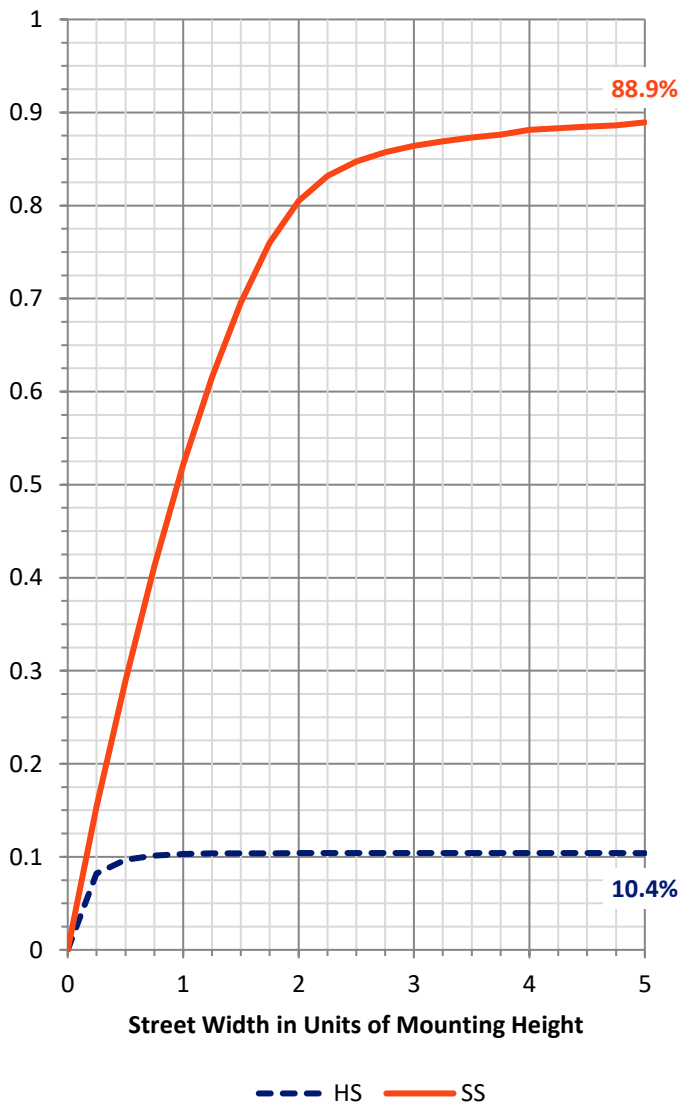
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	782.4	0.0	782.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6689.0	0.0	6689.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	7471.4	0.0	7471.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	2.5
10°-20°	394.0	5.3
20°-30°	527.5	7.1
30°-40°	713.1	9.5
40°-50°	1023.5	13.7
50°-60°	1508.3	20.2
60°-70°	1839.7	24.6
70°-80°	1123.4	15.0
80°-90°	152.6	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°	7471.4	100.0
0°-180°	7471.4	100.0

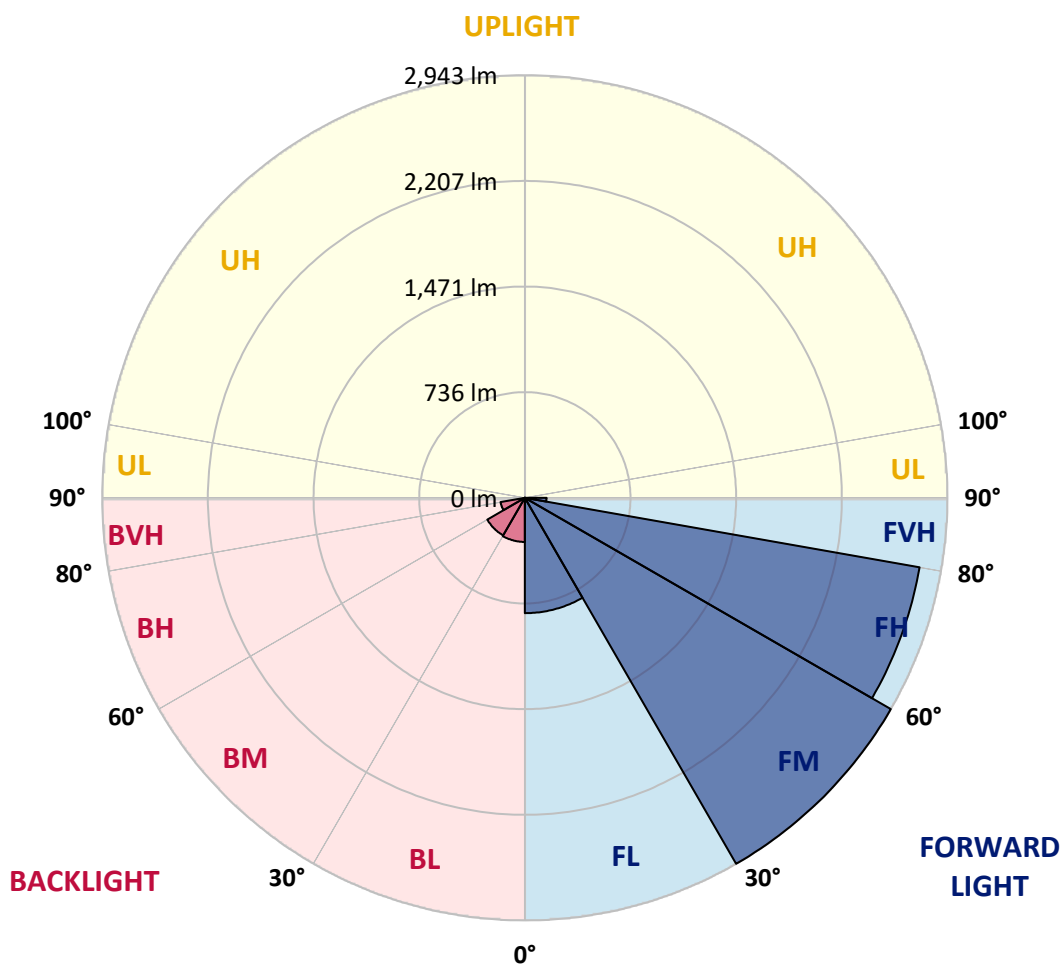


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	803.3	10.8			
FM (30°-60°)	2942.9	39.4			
FH (60°-80°)	2791.7	37.4			G2/5000
FVH (80°-90°)	151.1	2.0			G2/225
BL (0°-30°)	307.5	4.1	B1/500		
BM (30°-60°)	302.0	4.0	B1/1000		
BH (60°-80°)	171.5	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°	2319.4	2319.4	2319.4	2319.4	2319.4	2319.4	2319.4	2319.4	2319.4	2319.4	2319.4
2.5°	2361.4	2370.2	2349.1	2373.7	2350.9	2361.4	2349.1	2345.6	2347.4	2349.1	2335.1
5°	2251.0	2272.1	2280.8	2266.8	2300.1	2294.8	2315.9	2317.6	2308.8	2300.1	2301.8
7.5°	2105.6	2126.7	2135.4	2144.2	2177.5	2221.3	2249.3	2231.8	2245.8	2277.3	2230.0
10°	2000.5	1995.3	1993.5	2011.0	2074.1	2110.9	2158.2	2152.9	2188.0	2217.8	2179.2
12.5°	1870.9	1860.4	1891.9	1905.9	1962.0	2026.8	2063.6	2102.1	2137.2	2168.7	2124.9
15°	1774.6	1783.3	1795.6	1825.4	1865.6	1951.5	2005.8	2042.6	2105.6	2121.4	2103.9
17.5°	1697.5	1704.5	1722.0	1737.8	1788.6	1870.9	1956.7	2000.5	2067.1	2109.1	2054.8
20°	1699.2	1678.2	1678.2	1694.0	1722.0	1820.1	1911.2	1925.2	2016.3	2088.1	2051.3
22.5°	1701.0	1694.0	1678.2	1676.5	1688.7	1758.8	1851.6	1883.2	1981.3	2065.3	2021.6
25°	1725.5	1699.2	1701.0	1676.5	1681.7	1716.7	1790.3	1837.6	1949.7	2077.6	2005.8
27.5°	1746.5	1758.8	1734.3	1723.8	1694.0	1692.2	1753.5	1793.8	1934.0	2105.6	2016.3
30°	1793.8	1802.6	1802.6	1795.6	1767.5	1727.3	1741.3	1792.1	1902.4	2100.4	1998.8
32.5°	1872.7	1856.9	1877.9	1867.4	1830.6	1767.5	1779.8	1806.1	1921.7	2167.0	2026.8
35°	1898.9	1911.2	1939.2	1916.4	1904.2	1867.4	1842.9	1862.1	1949.7	2233.5	2068.9
37.5°	1979.5	1962.0	1981.3	2032.1	2044.3	1977.8	1930.5	1958.5	2054.8	2312.3	2107.4
40°	1986.5	2000.5	2035.6	2135.4	2147.7	2119.7	2081.1	2088.1	2159.9	2414.0	2203.7
42.5°	2021.6	2037.3	2109.1	2193.2	2259.8	2265.1	2237.0	2237.0	2298.3	2576.9	2310.6
45°	2089.9	2063.6	2156.4	2298.3	2394.7	2414.0	2450.7	2442.0	2491.0	2748.5	2510.3
47.5°	2116.1	2124.9	2226.5	2398.2	2508.5	2597.9	2659.2	2661.0	2685.5	2967.5	2769.6
50°	2202.0	2200.2	2322.9	2482.3	2645.2	2808.1	2927.2	2927.2	2925.5	3181.2	2992.0
52.5°	2315.9	2312.3	2406.9	2596.1	2808.1	3013.1	3170.7	3176.0	3216.3	3444.0	3247.8
55°	2501.5	2485.8	2576.9	2717.0	2971.0	3219.8	3493.0	3494.8	3463.3	3631.4	3431.7
57.5°	2657.4	2655.7	2731.0	2865.9	3153.2	3486.0	3803.1	3850.4	3750.6	3824.1	3578.9
60°	2617.2	2639.9	2795.8	2995.5	3345.9	3818.9	4137.7	4211.3	4051.9	3955.5	3689.2
62.5°	2366.7	2419.2	2589.1	2908.0	3508.8	4302.4	4598.4	4565.1	4209.5	4067.6	3824.1
65°	1702.7	1755.3	1965.5	2443.7	3319.6	4644.0	5204.5	5053.9	4489.8	4234.1	4004.6
67.5°	1002.0	1023.0	1154.4	1559.1	2482.3	4458.3	5940.3	5952.5	5041.6	4489.8	4316.4
70°	723.5	739.3	790.1	919.7	1375.1	3494.8	6350.2	6669.0	5807.1	4784.1	4151.7
72.5°	555.3	555.3	641.2	765.5	875.9	2093.4	5843.9	6483.3	5973.6	4502.1	3345.9
75°	399.4	409.9	502.8	658.7	807.6	1051.1	4305.9	5145.0	5062.6	3649.0	2336.9
77.5°	229.5	234.7	353.9	551.8	758.5	721.7	2661.0	3487.8	3585.9	2284.3	1012.5
80°	117.4	120.9	198.0	436.2	686.7	628.9	1587.1	2296.6	1948.0	663.9	234.7
82.5°	57.8	57.8	89.3	278.5	583.3	557.1	933.7	1268.3	690.2	152.4	98.1
85°	19.3	21.0	40.3	157.7	422.2	336.3	571.1	602.6	231.2	57.8	54.3
87.5°	5.3	7.0	10.5	57.8	183.9	220.7	339.8	385.4	94.6	22.8	26.3
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°	2319.4	2319.4	2319.4	2319.4	2319.4	2319.4	2319.4	2319.4	2319.4	2319.4	2319.4
2.5°	2282.6	2270.3	2256.3	2221.3	2193.2	2156.4	2131.9	2112.6	2075.9	2082.9	2067.1
5°	2259.8	2237.0	2156.4	2079.4	2009.3	1902.4	1828.9	1781.6	1743.0	1704.5	1732.5
7.5°	2219.5	2165.2	2039.1	1895.4	1746.5	1606.4	1466.2	1382.2	1320.8	1264.8	1263.0
10°	2151.2	2063.6	1865.6	1678.2	1448.7	1264.8	1086.1	946.0	854.9	788.3	786.5
12.5°	2074.1	1983.0	1734.3	1429.5	1164.9	905.7	692.0	543.1	457.2	404.7	397.7
15°	2025.1	1891.9	1569.6	1208.7	881.1	590.3	383.6	290.8	257.5	245.2	245.2
17.5°	1962.0	1809.6	1406.7	979.2	611.4	341.6	248.8	224.2	222.5	219.0	215.5
20°	1935.7	1746.5	1261.3	781.3	387.1	241.7	213.7	208.5	208.5	205.0	201.5
22.5°	1865.6	1655.4	1107.1	572.8	257.5	212.0	201.5	194.4	190.9	187.4	190.9
25°	1834.1	1590.6	961.7	395.9	210.2	189.2	183.9	176.9	171.7	169.9	169.9
27.5°	1813.1	1525.8	819.8	275.0	185.7	173.4	162.9	157.7	150.7	143.6	143.6
30°	1797.3	1475.0	683.2	203.2	166.4	154.2	145.4	133.1	124.4	117.4	117.4
32.5°	1776.3	1415.4	546.6	173.4	150.7	138.4	122.6	112.1	99.9	94.6	94.6
35°	1783.3	1375.1	429.2	154.2	134.9	119.1	105.1	91.1	78.8	73.6	71.8
37.5°	1797.3	1345.4	325.8	138.4	120.9	103.4	87.6	71.8	64.8	57.8	57.8
40°	1856.9	1336.6	240.0	127.9	110.4	91.1	73.6	59.6	52.6	47.3	45.5
42.5°	1956.7	1348.9	185.7	115.6	99.9	77.1	61.3	49.0	42.0	36.8	35.0
45°	2084.6	1396.2	152.4	108.6	87.6	64.8	49.0	40.3	31.5	28.0	28.0
47.5°	2270.3	1469.7	133.1	99.9	77.1	54.3	42.0	31.5	24.5	21.0	21.0
50°	2480.5	1553.8	117.4	89.3	66.6	45.5	33.3	24.5	17.5	15.8	15.8
52.5°	2690.7	1660.7	108.6	82.3	57.8	36.8	26.3	17.5	12.3	10.5	10.5
55°	2911.5	1755.3	98.1	77.1	47.3	29.8	19.3	10.5	7.0	5.3	5.3
57.5°	3065.6	1792.1	85.8	66.6	36.8	22.8	14.0	7.0	3.5	1.8	1.8
60°	3176.0	1797.3	73.6	54.3	28.0	17.5	8.8	3.5	1.8	0.0	0.0
62.5°	3268.8	1807.8	63.1	42.0	21.0	12.3	5.3	1.8	0.0	0.0	0.0
65°	3452.8	1799.1	50.8	33.3	14.0	7.0	3.5	0.0	0.0	0.0	0.0
67.5°	3598.2	1711.5	40.3	22.8	8.8	3.5	1.8	0.0	0.0	0.0	0.0
70°	3183.0	1305.1	31.5	15.8	5.3	1.8	0.0	0.0	0.0	0.0	0.0
72.5°	2499.8	870.6	21.0	8.8	3.5	1.8	0.0	0.0	0.0	0.0	0.0
75°	1639.7	432.7	15.8	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	637.6	113.9	10.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	154.2	38.5	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	66.6	14.0	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	40.3	7.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.0	3.5	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)