

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: P676827

Luminaire Tested: **CCW-SA-2E-727-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676827
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-727-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

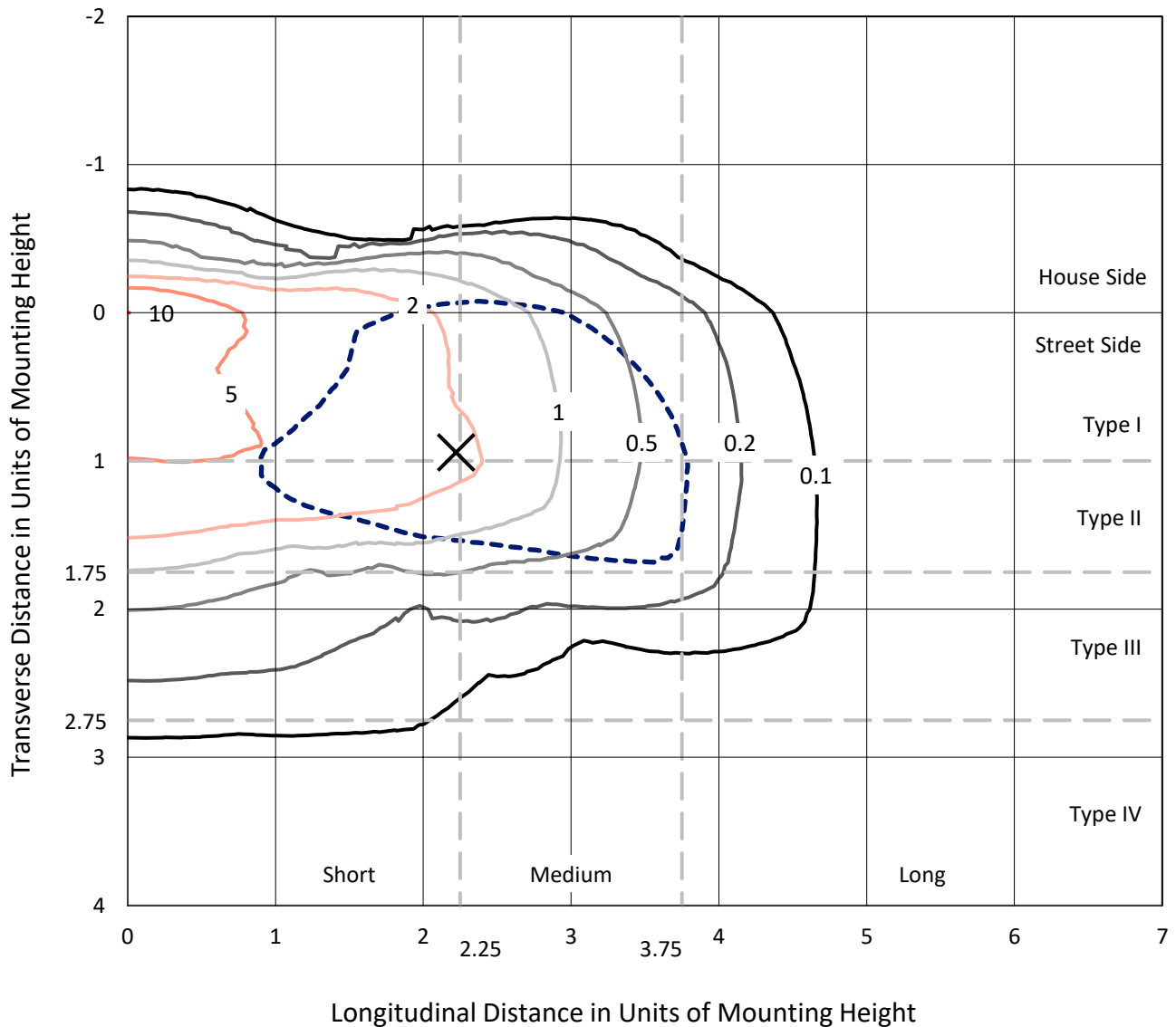
Lumens per Lamp: N/A
Luminaire Lumens: 9195.4 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
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

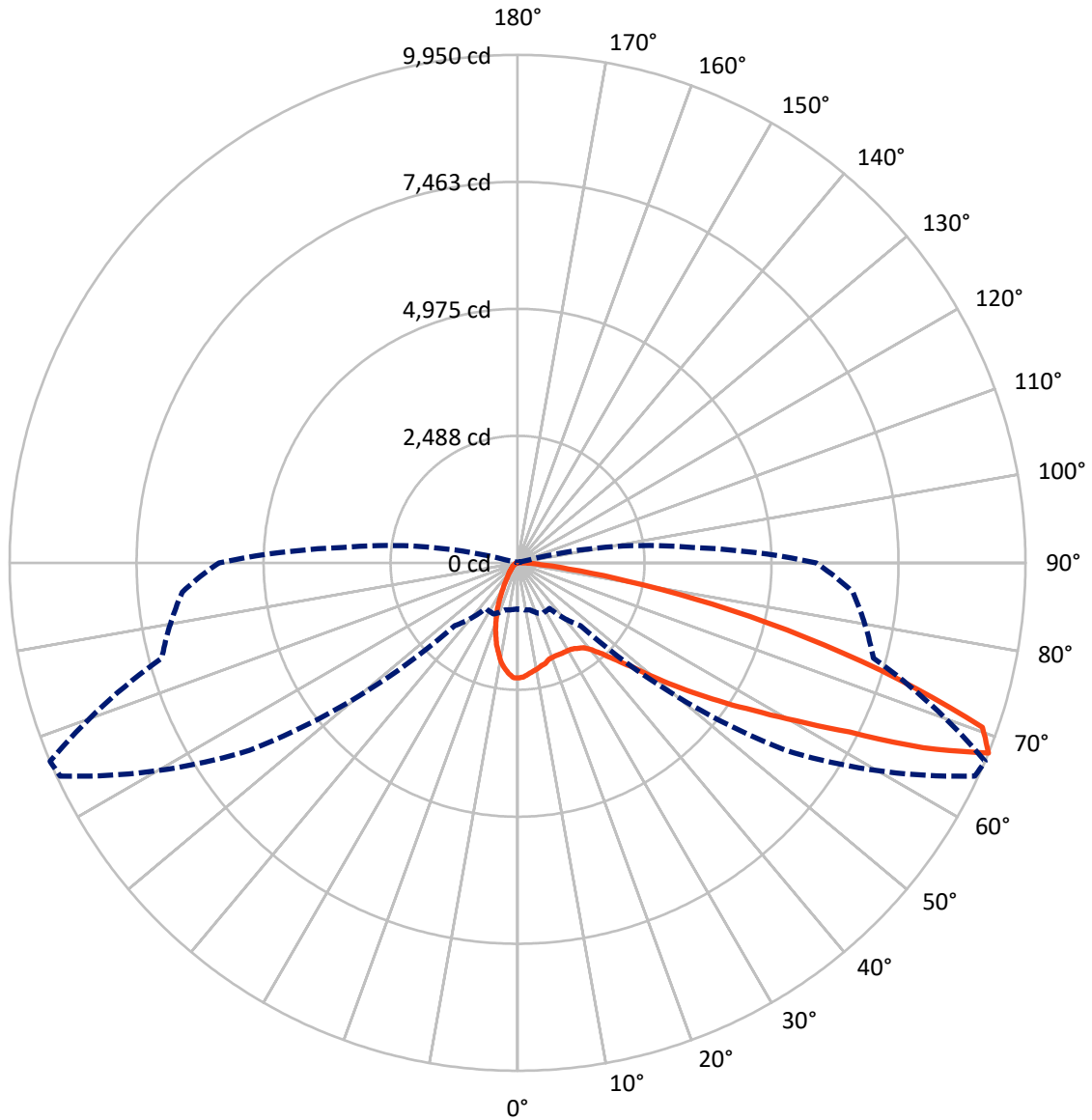
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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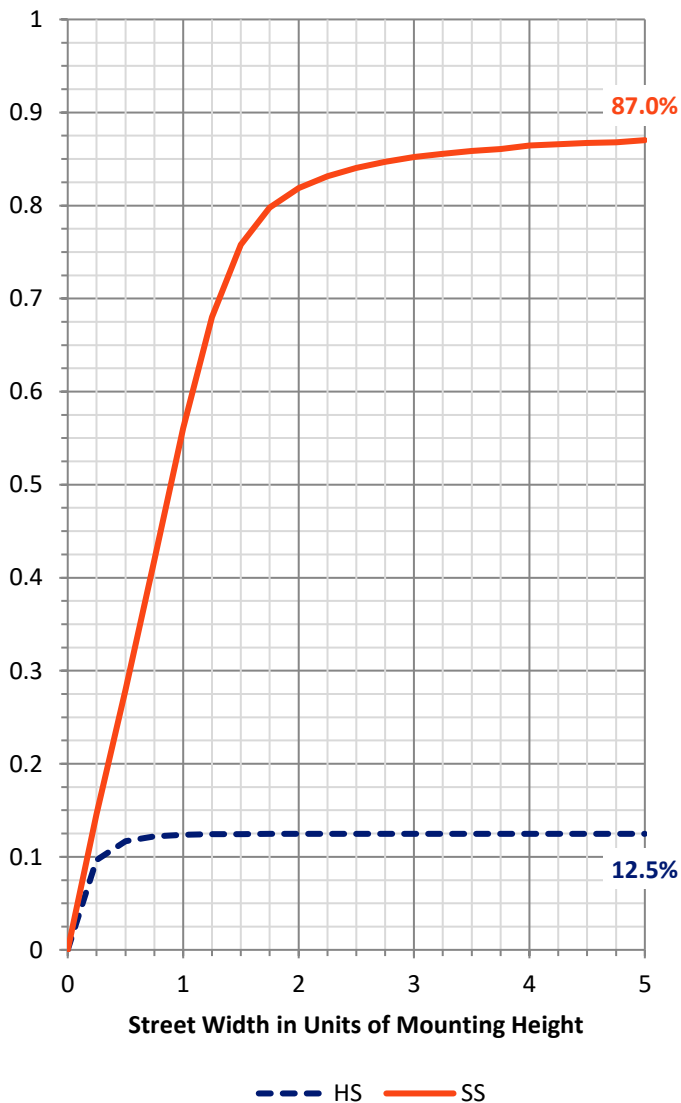
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1157.3	0.0	1157.3
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	8038.1	0.0	8038.1
	% Fixture	87.4	0.0	87.4
Total	Lumens	9195.4	0.0	9195.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.0	2.1
10°-20°	422.2	4.6
20°-30°	600.3	6.5
30°-40°	874.1	9.5
40°-50°	1352.8	14.7
50°-60°	2076.2	22.6
60°-70°	2250.6	24.5
70°-80°	1269.7	13.8
80°-90°	159.5	1.7
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°	9195.4	100.0
0°-180°	9195.4	100.0

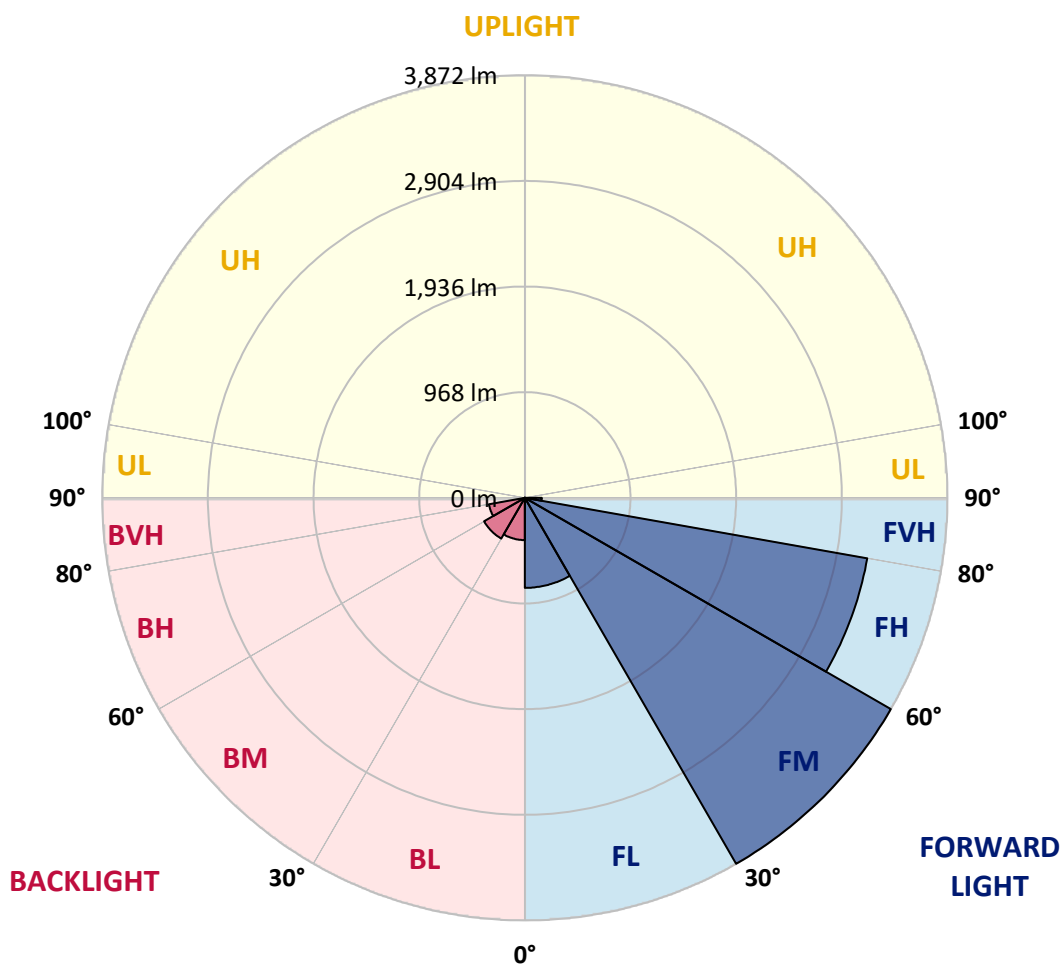


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	825.1	9.0			
FM (30°-60°)	3872.0	42.1			
FH (60°-80°)	3186.0	34.6			G2/5000
FVH (80°-90°)	155.0	1.7			G2/225
BL (0°-30°)	387.4	4.2	B1/500		
BM (30°-60°)	431.0	4.7	B1/1000		
BH (60°-80°)	334.3	3.6	B1/500		G1/500
BVH (80°-90°)	4.6	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2255.5	2255.5	2255.5	2255.5	2255.5	2255.5	2255.5	2255.5	2255.5	2255.5	2255.5
2.5°	2158.0	2169.0	2184.6	2206.7	2222.2	2213.4	2220.0	2257.7	2237.7	2255.5	2246.6
5°	2038.3	2049.4	2071.6	2069.3	2087.1	2120.3	2164.6	2213.4	2191.2	2244.4	2264.3
7.5°	1914.3	1909.8	1909.8	1956.3	1994.0	2040.5	2064.9	2144.7	2146.9	2193.4	2242.2
10°	1801.3	1814.6	1836.7	1854.4	1889.9	1956.3	2027.2	2089.3	2113.7	2206.7	2220.0
12.5°	1732.6	1739.2	1765.8	1781.3	1827.8	1892.1	1967.4	2047.2	2067.1	2162.4	2226.6
15°	1703.8	1719.3	1728.1	1756.9	1781.3	1841.1	1896.5	1987.4	2045.0	2120.3	2200.1
17.5°	1725.9	1719.3	1723.7	1732.6	1761.4	1814.6	1874.4	1965.2	1985.2	2111.4	2231.1
20°	1754.7	1756.9	1743.7	1739.2	1732.6	1783.5	1832.3	1949.7	1971.9	2111.4	2251.0
22.5°	1832.3	1807.9	1832.3	1796.8	1761.4	1783.5	1830.1	1951.9	1967.4	2109.2	2271.0
25°	1927.5	1932.0	1938.6	1863.3	1812.3	1796.8	1845.6	1958.6	1971.9	2126.9	2279.8
27.5°	2062.7	2082.6	2049.4	2011.7	1909.8	1832.3	1843.4	1954.1	1978.5	2118.1	2302.0
30°	2244.4	2228.9	2233.3	2146.9	2047.2	1925.3	1894.3	1965.2	1982.9	2129.2	2344.1
32.5°	2401.7	2384.0	2415.0	2384.0	2226.6	2058.3	1954.1	1987.4	2007.3	2155.7	2379.5
35°	2499.2	2521.3	2570.1	2603.3	2470.4	2231.1	2053.8	2047.2	2056.0	2169.0	2406.1
37.5°	2649.8	2689.7	2729.6	2813.8	2698.6	2443.8	2211.1	2124.7	2109.2	2233.3	2419.4
40°	2813.8	2802.7	2920.1	3019.8	3015.4	2742.9	2430.5	2262.1	2239.9	2335.2	2508.0
42.5°	2951.1	2940.1	3070.8	3234.7	3252.5	3030.9	2680.8	2457.1	2437.1	2492.5	2616.6
45°	3130.6	3139.5	3294.6	3489.5	3553.8	3412.0	3019.8	2736.2	2725.2	2707.4	2822.6
47.5°	3290.1	3338.9	3471.8	3702.2	3934.9	3806.3	3418.6	3143.9	3066.3	3026.5	3141.7
50°	3400.9	3445.2	3606.9	3852.9	4278.3	4360.2	3866.2	3578.1	3580.4	3482.9	3544.9
52.5°	3400.9	3398.7	3529.4	3852.9	4517.5	4938.5	4464.4	4125.4	4143.1	4041.2	4045.6
55°	3073.0	3066.3	3225.9	3569.3	4491.0	5494.6	5370.5	4818.9	4774.6	4577.4	4597.3
57.5°	2474.8	2490.3	2612.2	3024.3	4145.3	5753.8	6449.5	5598.7	5448.1	5040.4	5040.4
60°	1805.7	1792.4	1883.2	2171.3	3321.1	5656.3	7335.8	6518.2	6281.1	5423.7	5366.1
62.5°	1373.7	1371.4	1395.8	1493.3	2107.0	4931.9	7716.8	7688.0	7302.5	5800.4	5718.4
65°	1110.0	1114.4	1147.7	1216.3	1287.2	3363.2	7515.2	9083.8	8731.6	6360.9	6092.8
67.5°	906.2	917.2	957.1	1105.6	1090.1	1741.4	6400.8	9883.7	9950.1	7216.1	6595.8
70°	697.9	715.6	762.2	972.6	1050.2	1158.7	4437.8	9484.9	9662.1	7747.8	6292.2
72.5°	474.1	471.9	571.6	788.7	1061.3	1061.3	2470.4	7639.3	7807.7	7143.0	5465.8
75°	257.0	272.5	378.9	596.0	972.6	1025.8	1406.9	5589.9	5826.9	5554.4	4227.3
77.5°	139.6	141.8	210.5	389.9	808.7	979.3	939.4	3801.9	3895.0	3349.9	2315.3
80°	73.1	75.3	110.8	254.8	558.3	908.4	782.1	2266.5	2177.9	1285.0	764.4
82.5°	33.2	35.4	55.4	159.5	356.7	715.6	675.7	1094.5	1010.3	358.9	232.6
85°	13.3	13.3	24.4	95.3	208.3	352.3	578.3	549.5	458.6	108.6	115.2
87.5°	4.4	4.4	6.6	37.7	84.2	210.5	308.0	290.2	199.4	39.9	62.0
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°	2255.5	2255.5	2255.5	2255.5	2255.5	2255.5	2255.5	2255.5	2255.5	2255.5	2255.5
2.5°	2237.7	2262.1	2255.5	2251.0	2208.9	2204.5	2200.1	2160.2	2173.5	2140.2	2162.4
5°	2251.0	2264.3	2228.9	2162.4	2102.6	2036.1	1985.2	1949.7	1885.4	1861.1	1856.6
7.5°	2237.7	2237.7	2164.6	2058.3	1940.8	1832.3	1694.9	1597.4	1524.3	1468.9	1488.9
10°	2220.0	2193.4	2118.1	1929.8	1717.1	1553.1	1355.9	1211.9	1103.4	1067.9	1045.7
12.5°	2220.0	2173.5	2005.1	1748.1	1473.4	1225.2	990.4	802.0	697.9	635.9	627.0
15°	2200.1	2131.4	1923.1	1577.5	1236.3	899.5	631.4	469.7	381.1	356.7	347.8
17.5°	2204.5	2122.5	1801.3	1375.9	959.3	598.2	385.5	296.9	274.7	263.7	265.9
20°	2213.4	2122.5	1692.7	1178.7	691.3	372.2	265.9	250.4	239.3	234.9	237.1
22.5°	2242.2	2080.4	1581.9	977.1	467.5	268.1	234.9	219.3	210.5	203.8	201.6
25°	2246.6	2073.8	1475.6	777.7	321.3	226.0	206.0	188.3	177.2	168.4	166.2
27.5°	2239.9	2045.0	1327.1	578.3	241.5	201.6	175.0	157.3	141.8	135.1	132.9
30°	2264.3	1991.8	1200.8	416.5	203.8	175.0	148.4	128.5	115.2	106.3	106.3
32.5°	2266.5	1945.3	1061.3	296.9	186.1	155.1	126.3	104.1	90.8	86.4	86.4
35°	2268.7	1903.2	906.2	226.0	166.2	132.9	104.1	86.4	77.5	70.9	70.9
37.5°	2275.4	1872.2	764.4	190.5	148.4	113.0	86.4	70.9	62.0	59.8	59.8
40°	2288.7	1830.1	615.9	168.4	128.5	95.3	73.1	59.8	51.0	48.7	46.5
42.5°	2324.1	1819.0	491.9	150.7	115.2	79.8	59.8	48.7	42.1	37.7	35.4
45°	2470.4	1847.8	381.1	139.6	97.5	66.5	51.0	39.9	31.0	28.8	26.6
47.5°	2709.6	1943.1	301.3	124.1	82.0	55.4	42.1	31.0	24.4	22.2	19.9
50°	3073.0	2160.2	245.9	110.8	68.7	46.5	33.2	24.4	17.7	15.5	15.5
52.5°	3549.3	2452.6	212.7	97.5	55.4	39.9	26.6	17.7	13.3	11.1	11.1
55°	4036.8	2798.3	199.4	84.2	46.5	33.2	19.9	13.3	8.9	6.6	6.6
57.5°	4484.3	3022.0	192.8	68.7	39.9	24.4	15.5	8.9	4.4	2.2	2.2
60°	4763.5	3186.0	172.8	55.4	31.0	19.9	11.1	4.4	2.2	0.0	0.0
62.5°	5131.3	3352.2	141.8	42.1	22.2	13.3	6.6	2.2	0.0	0.0	0.0
65°	5616.5	3538.3	110.8	33.2	17.7	8.9	4.4	2.2	0.0	0.0	0.0
67.5°	5849.1	3440.8	75.3	24.4	11.1	4.4	2.2	0.0	0.0	0.0	0.0
70°	5383.8	2898.0	53.2	17.7	6.6	2.2	2.2	0.0	0.0	0.0	0.0
72.5°	4526.4	2271.0	39.9	11.1	4.4	2.2	0.0	0.0	0.0	0.0	0.0
75°	3336.6	1420.2	31.0	8.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1770.2	529.5	22.2	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	522.9	155.1	15.5	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	172.8	46.5	8.9	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	88.6	17.7	4.4	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	51.0	6.6	4.4	4.4	2.2	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)