

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: P671311

Luminaire Tested: **CCP-SA-2E-835-U-SL2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671311
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-835-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL2 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

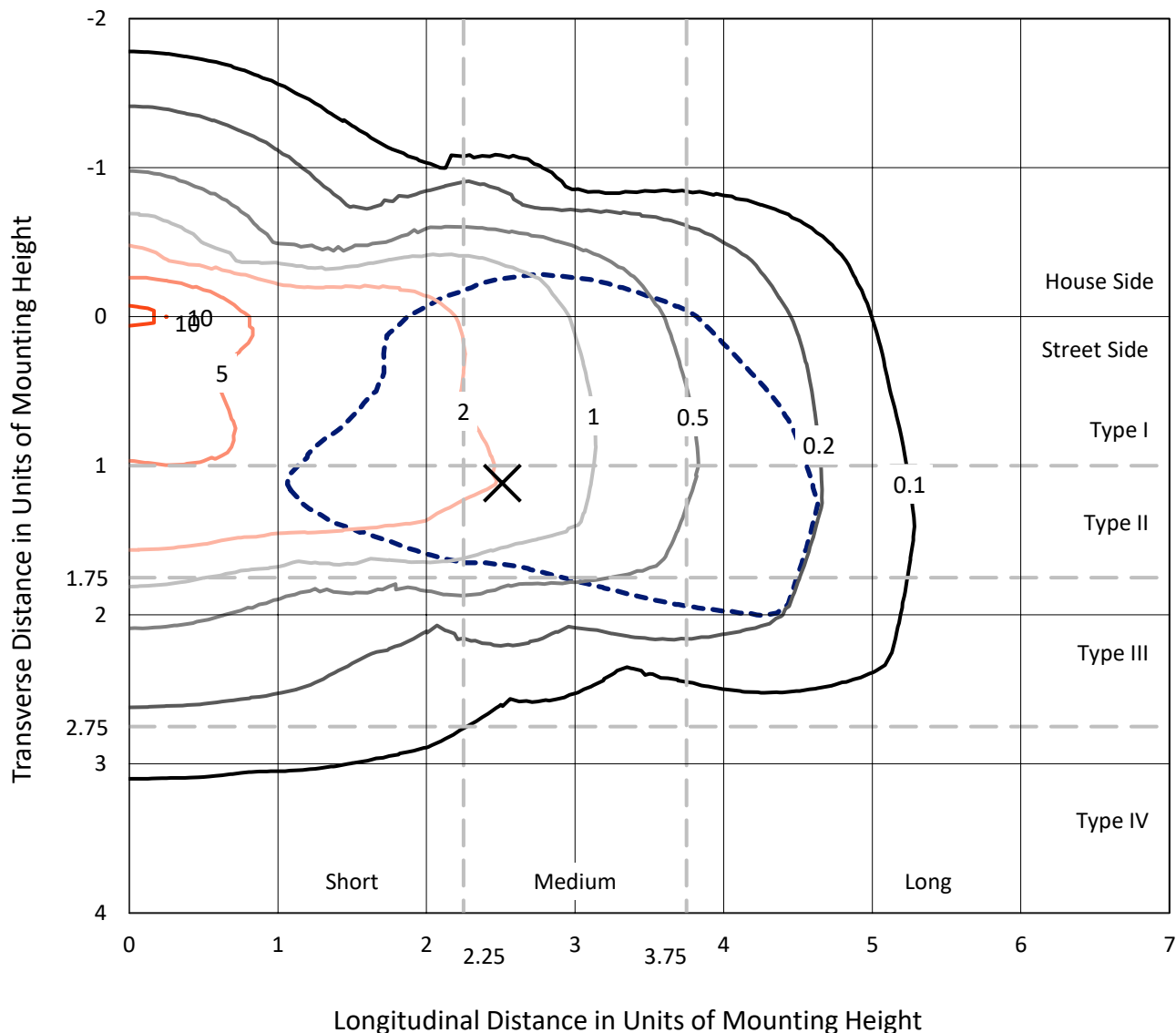
Lumens per Lamp: N/A
Luminaire Lumens: 11150.4 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
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

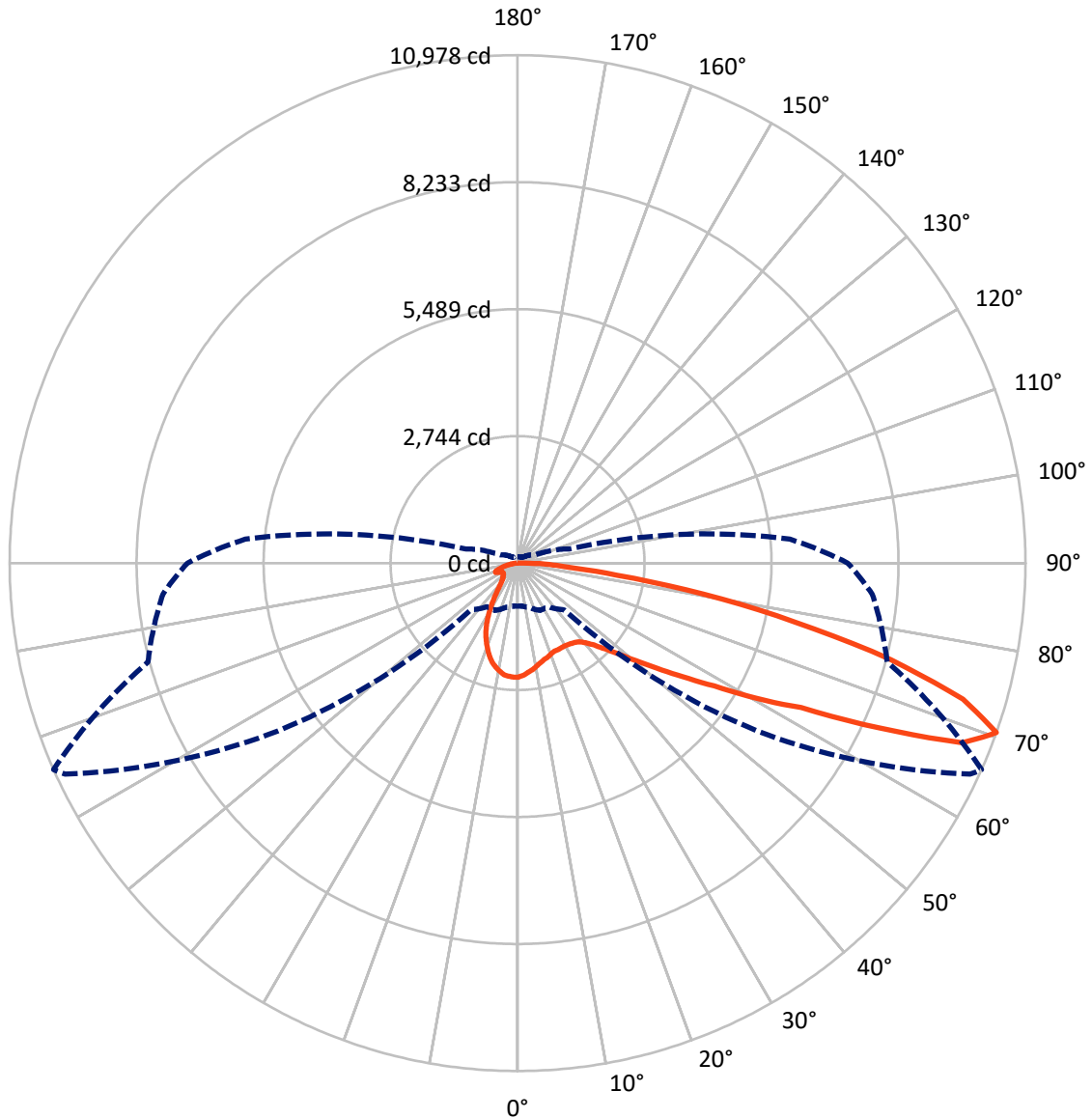
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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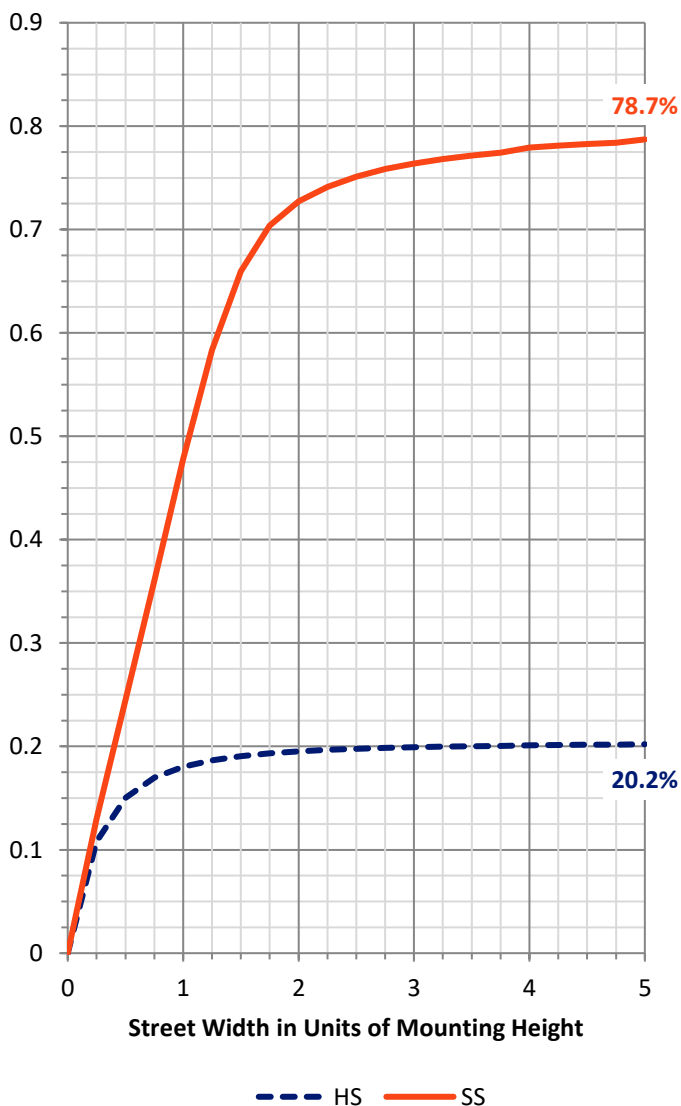
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2282.4	0.0	2282.4
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	8868.1	0.0	8868.1
	% Fixture	79.5	0.0	79.5
Total	Lumens	11150.4	0.0	11150.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.8	2.0
10°-20°	536.2	4.8
20°-30°	736.4	6.6
30°-40°	987.4	8.9
40°-50°	1432.6	12.8
50°-60°	2177.6	19.5
60°-70°	2689.4	24.1
70°-80°	2000.0	17.9
80°-90°	373.0	3.3
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°	11150.4	100.0
0°-180°	11150.4	100.0



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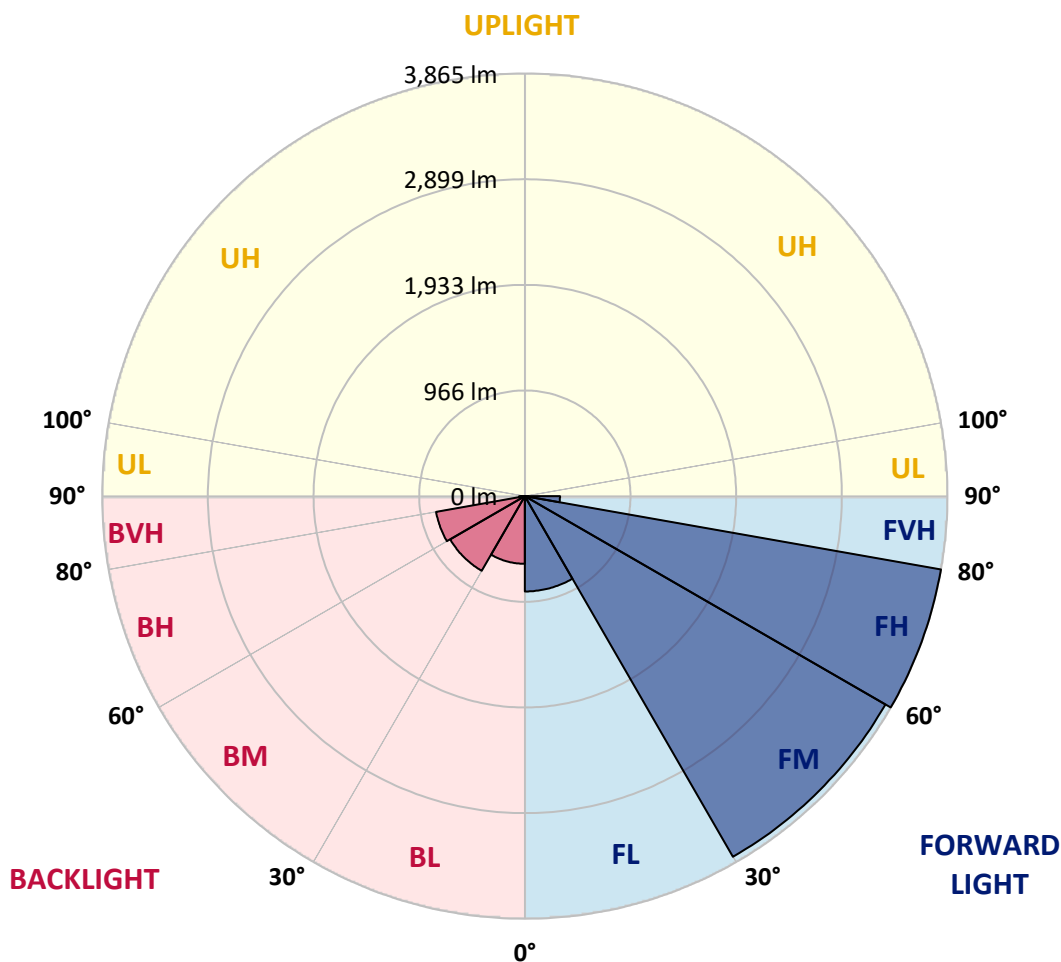
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	871.9	7.8			
FM (30°-60°)	3809.1	34.2			
FH (60°-80°)	3865.5	34.7			G2/5000
FVH (80°-90°)	321.6	2.9			G3/500
BL (0°-30°)	618.6	5.5	B2/1000		
BM (30°-60°)	788.4	7.1	B1/1000		
BH (60°-80°)	823.9	7.4	B2/1000		G2/1000
BVH (80°-90°)	51.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5
2.5°	2343.2	2355.6	2359.8	2368.1	2388.8	2405.4	2430.3	2442.7	2430.3	2446.9	2446.9
5°	2181.5	2164.9	2206.3	2222.9	2247.8	2281.0	2339.1	2384.7	2372.2	2422.0	2463.5
7.5°	2044.6	2044.6	2057.0	2094.4	2123.4	2173.2	2235.4	2305.9	2326.6	2393.0	2455.2
10°	1920.2	1936.8	1936.8	1994.8	2011.4	2069.5	2173.2	2260.3	2264.4	2376.4	2463.5
12.5°	1853.8	1845.5	1887.0	1903.6	1953.4	2011.4	2094.4	2202.2	2206.3	2326.6	2446.9
15°	1799.9	1808.2	1828.9	1870.4	1916.0	1961.7	2040.5	2140.0	2160.7	2301.7	2438.6
17.5°	1804.1	1808.2	1808.2	1837.2	1874.6	1928.5	2003.1	2119.3	2131.7	2268.6	2426.2
20°	1828.9	1812.4	1824.8	1837.2	1862.1	1911.9	1974.1	2073.6	2086.1	2264.4	2455.2
22.5°	1882.9	1870.4	1866.3	1862.1	1858.0	1887.0	1965.8	2048.7	2061.2	2243.7	2467.6
25°	1970.0	1965.8	1936.8	1907.7	1887.0	1887.0	1949.2	2069.5	2065.3	2243.7	2475.9
27.5°	2073.6	2073.6	2069.5	2015.6	1953.4	1920.2	1961.7	2061.2	2057.0	2243.7	2496.7
30°	2214.6	2214.6	2202.2	2152.4	2040.5	1945.1	1970.0	2052.9	2065.3	2227.1	2480.1
32.5°	2368.1	2363.9	2376.4	2330.8	2214.6	2061.2	2019.7	2069.5	2081.9	2243.7	2484.2
35°	2480.1	2504.9	2546.4	2504.9	2388.8	2181.5	2090.2	2102.7	2111.0	2247.8	2500.8
37.5°	2608.6	2637.7	2695.7	2728.9	2604.5	2363.9	2202.2	2156.6	2156.6	2301.7	2504.9
40°	2795.3	2766.2	2865.8	2923.8	2874.1	2587.9	2376.4	2256.1	2260.3	2372.2	2558.9
42.5°	2932.1	2961.1	3064.8	3168.5	3106.3	2861.6	2567.2	2417.9	2417.9	2475.9	2641.8
45°	3085.6	3118.7	3263.9	3388.3	3433.9	3189.2	2828.4	2650.1	2641.8	2679.1	2791.1
47.5°	3255.6	3301.2	3467.1	3612.3	3732.5	3529.3	3164.4	2932.1	2928.0	2957.0	3039.9
50°	3450.5	3467.1	3604.0	3869.4	4109.9	3981.4	3574.9	3330.3	3309.5	3322.0	3433.9
52.5°	3508.6	3496.1	3653.7	3939.9	4379.5	4533.0	4134.8	3782.3	3774.0	3745.0	3890.1
55°	3297.1	3338.5	3492.0	3857.0	4599.3	5184.1	4748.6	4400.2	4325.6	4246.8	4421.0
57.5°	2874.1	2878.2	3052.4	3483.7	4429.3	5723.2	5789.6	5005.8	5009.9	4798.4	4997.5
60°	2235.4	2222.9	2359.8	2749.6	3944.1	5889.1	6925.9	5972.1	5930.6	5350.0	5532.5
62.5°	1613.3	1588.4	1617.4	1845.5	2948.7	5636.1	8041.5	7054.5	6880.3	5914.0	6055.0
65°	1327.1	1339.6	1352.0	1364.5	1654.8	4649.1	8385.8	8821.2	8589.0	6573.4	6631.5
67.5°	1099.0	1107.3	1161.2	1235.9	1227.6	2745.5	7987.6	10455.3	10368.2	7390.4	7129.2
70°	933.1	929.0	991.2	1128.1	1148.8	1426.7	6324.6	10791.2	10977.8	8269.6	7693.2
72.5°	746.5	754.8	808.7	991.2	1128.1	1202.7	3641.3	10069.6	10065.4	8945.7	7390.4
75°	535.0	535.0	609.6	821.2	1090.7	1190.3	2015.6	8174.3	8327.7	8406.5	6411.7
77.5°	352.5	369.1	427.2	613.8	1024.4	1165.4	1277.4	5943.0	6133.8	6287.3	4906.2
80°	240.5	248.8	286.2	427.2	866.8	1173.7	1045.1	3998.0	4072.6	3471.3	1990.7
82.5°	145.2	149.3	190.8	298.6	622.1	1115.6	982.9	2206.3	2160.7	1049.3	572.3
85°	78.8	82.9	120.3	199.1	410.6	974.6	966.3	1082.4	1007.8	385.7	240.5
87.5°	29.0	29.0	53.9	99.5	236.4	667.7	841.9	642.8	601.4	194.9	112.0
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°	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5
2.5°	2467.6	2467.6	2467.6	2467.6	2463.5	2446.9	2459.3	2455.2	2430.3	2434.4	2417.9
5°	2459.3	2480.1	2467.6	2451.0	2430.3	2380.5	2363.9	2351.5	2318.3	2305.9	2318.3
7.5°	2480.1	2463.5	2455.2	2426.2	2343.2	2297.6	2239.5	2169.0	2119.3	2106.8	2119.3
10°	2475.9	2475.9	2438.6	2355.6	2276.8	2144.1	2069.5	1945.1	1874.6	1853.8	1858.0
12.5°	2459.3	2471.8	2413.7	2281.0	2131.7	1970.0	1833.1	1700.4	1576.0	1526.2	1517.9
15°	2475.9	2463.5	2359.8	2189.8	1982.4	1758.4	1559.4	1364.5	1248.3	1173.7	1157.1
17.5°	2451.0	2438.6	2289.3	2065.3	1787.5	1501.3	1252.5	1041.0	924.8	895.8	895.8
20°	2480.1	2401.3	2206.3	1916.0	1584.3	1219.3	937.3	779.7	750.7	750.7	758.9
22.5°	2475.9	2393.0	2135.8	1770.9	1339.6	920.7	696.7	651.1	655.3	688.4	684.3
25°	2451.0	2376.4	2036.3	1609.1	1082.4	692.6	576.5	564.0	593.1	630.4	626.2
27.5°	2446.9	2330.8	1945.1	1418.4	825.3	547.4	501.8	501.8	530.9	564.0	559.9
30°	2422.0	2293.4	1833.1	1202.7	622.1	476.9	460.3	460.3	472.8	489.4	489.4
32.5°	2417.9	2243.7	1708.7	978.8	497.7	431.3	423.0	427.2	427.2	435.5	431.3
35°	2384.7	2177.3	1580.1	758.9	431.3	406.4	398.1	394.0	394.0	389.8	389.8
37.5°	2372.2	2135.8	1447.4	588.9	402.3	385.7	377.4	365.0	360.8	360.8	356.7
40°	2384.7	2094.4	1318.8	476.9	377.4	369.1	356.7	340.1	335.9	335.9	335.9
42.5°	2430.3	2090.2	1186.1	414.7	365.0	352.5	335.9	319.3	315.2	319.3	315.2
45°	2534.0	2123.4	1057.6	385.7	348.4	335.9	315.2	302.8	298.6	302.8	302.8
47.5°	2704.0	2214.6	941.4	369.1	335.9	319.3	298.6	286.2	286.2	286.2	286.2
50°	2986.0	2388.8	829.5	356.7	327.6	306.9	286.2	269.6	265.4	265.4	269.6
52.5°	3409.1	2687.4	738.2	348.4	315.2	290.3	269.6	257.1	248.8	244.7	248.8
55°	3919.2	3122.9	709.2	340.1	298.6	277.9	257.1	240.5	232.2	232.2	228.1
57.5°	4466.6	3604.0	758.9	331.8	286.2	261.3	240.5	224.0	215.7	211.5	211.5
60°	5059.7	4172.1	941.4	327.6	273.7	244.7	224.0	211.5	199.1	194.9	194.9
62.5°	5598.8	4686.4	1269.1	323.5	265.4	228.1	207.4	190.8	182.5	178.3	178.3
65°	6212.6	5258.7	1588.4	340.1	261.3	215.7	190.8	174.2	165.9	161.7	161.7
67.5°	6747.6	5756.4	1775.0	381.5	273.7	199.1	170.0	157.6	153.4	149.3	149.3
70°	7137.4	5909.9	1190.3	418.9	294.5	186.6	153.4	145.2	136.9	136.9	136.9
72.5°	6614.9	5275.3	705.0	394.0	277.9	174.2	136.9	128.6	124.4	124.4	120.3
75°	5656.9	4491.5	543.3	319.3	224.0	149.3	120.3	112.0	107.8	107.8	103.7
77.5°	4176.3	3218.3	402.3	253.0	174.2	120.3	103.7	99.5	95.4	91.2	91.2
80°	1634.0	1410.1	273.7	186.6	128.6	95.4	87.1	82.9	78.8	74.7	74.7
82.5°	506.0	427.2	157.6	124.4	91.2	74.7	70.5	66.4	62.2	58.1	58.1
85°	219.8	211.5	103.7	78.8	62.2	49.8	49.8	45.6	41.5	37.3	37.3
87.5°	107.8	103.7	58.1	37.3	33.2	24.9	24.9	20.7	16.6	16.6	16.6
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)