

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: P672286

Luminaire Tested: **CCP-SA-2E-760-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672286
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-760-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

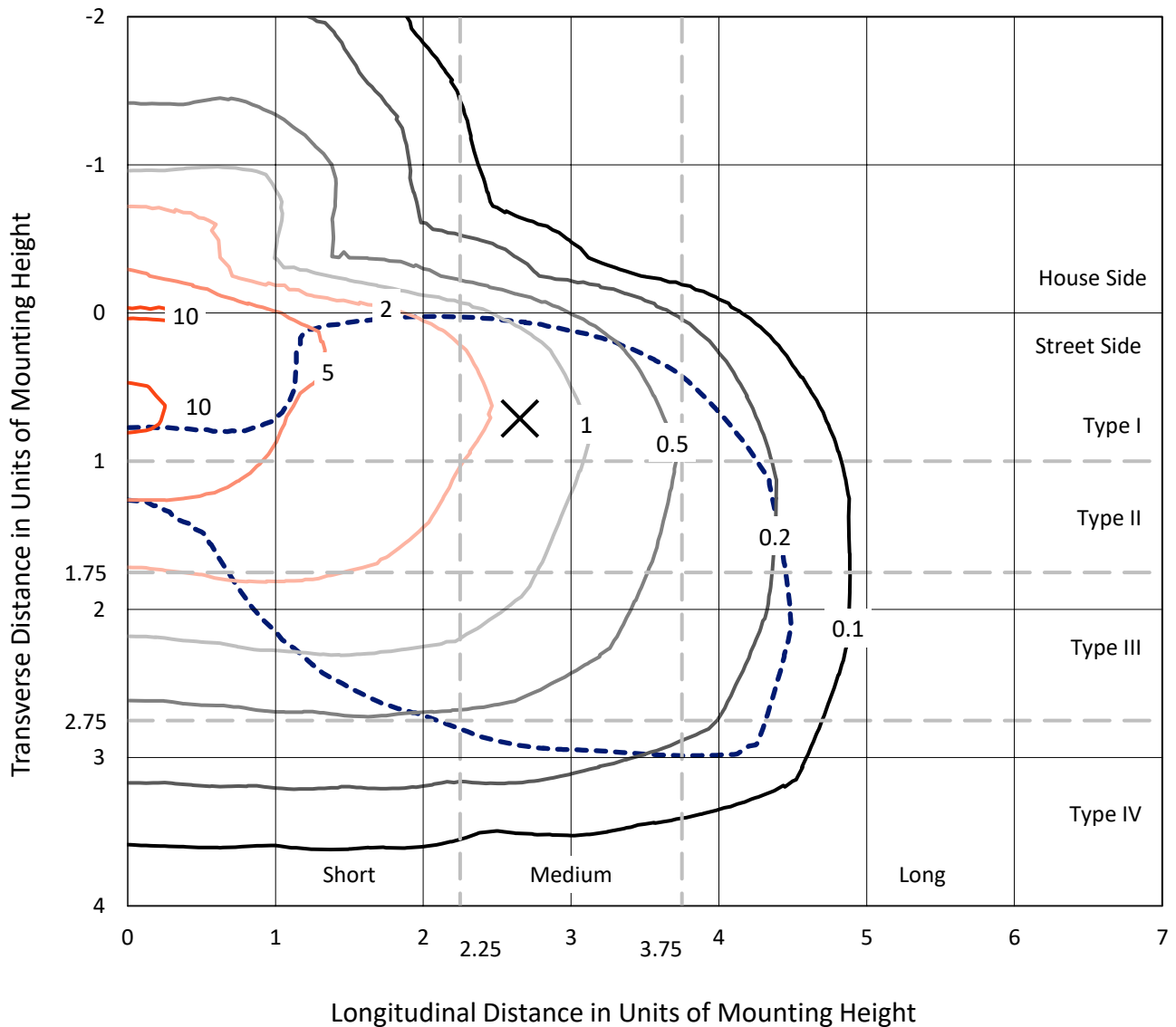
Lumens per Lamp: N/A
Luminaire Lumens: 14215.2 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

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

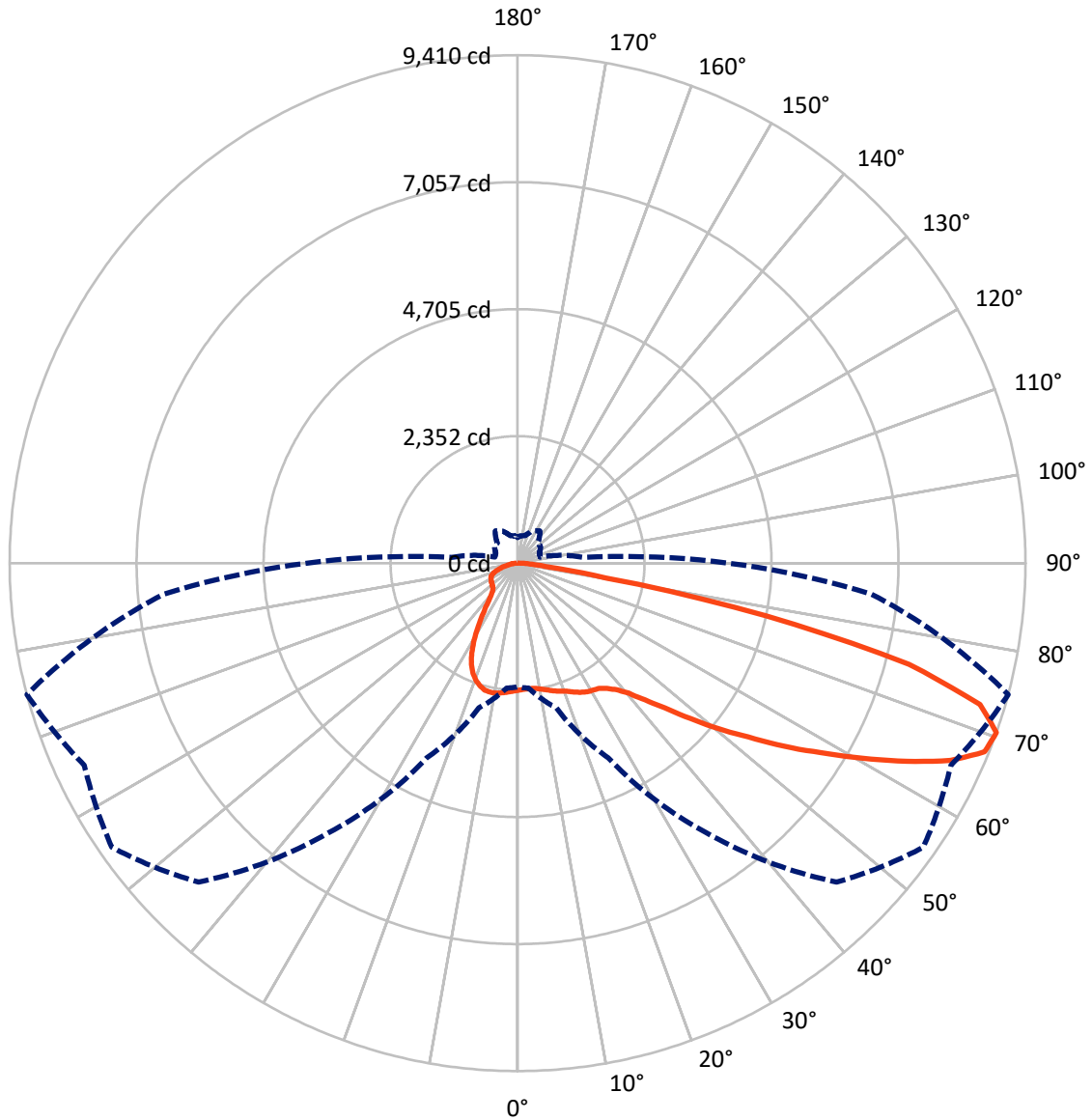
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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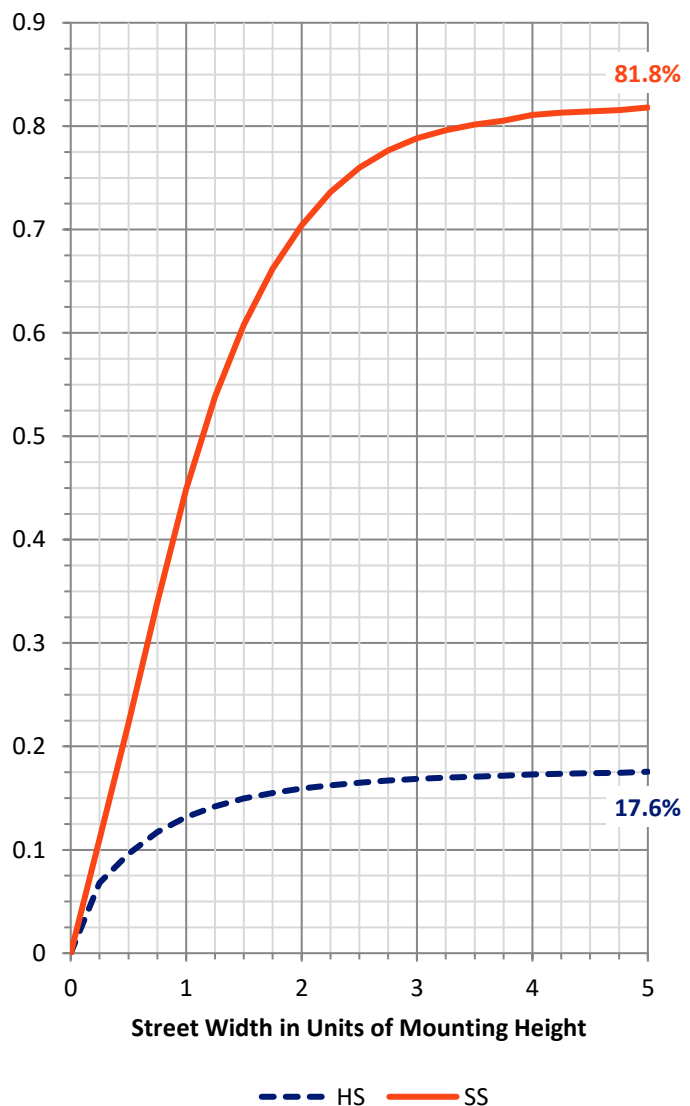
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2529.0	0.0	2529.0
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	11686.1	0.0	11686.1
	% Fixture	82.2	0.0	82.2
Total	Lumens	14215.2	0.0	14215.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.5	1.5
10°-20°	564.5	4.0
20°-30°	951.1	6.7
30°-40°	1444.6	10.2
40°-50°	2069.5	14.6
50°-60°	2743.8	19.3
60°-70°	3433.7	24.2
70°-80°	2507.4	17.6
80°-90°	289.1	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°	14215.2	100.0
0°-180°	14215.2	100.0



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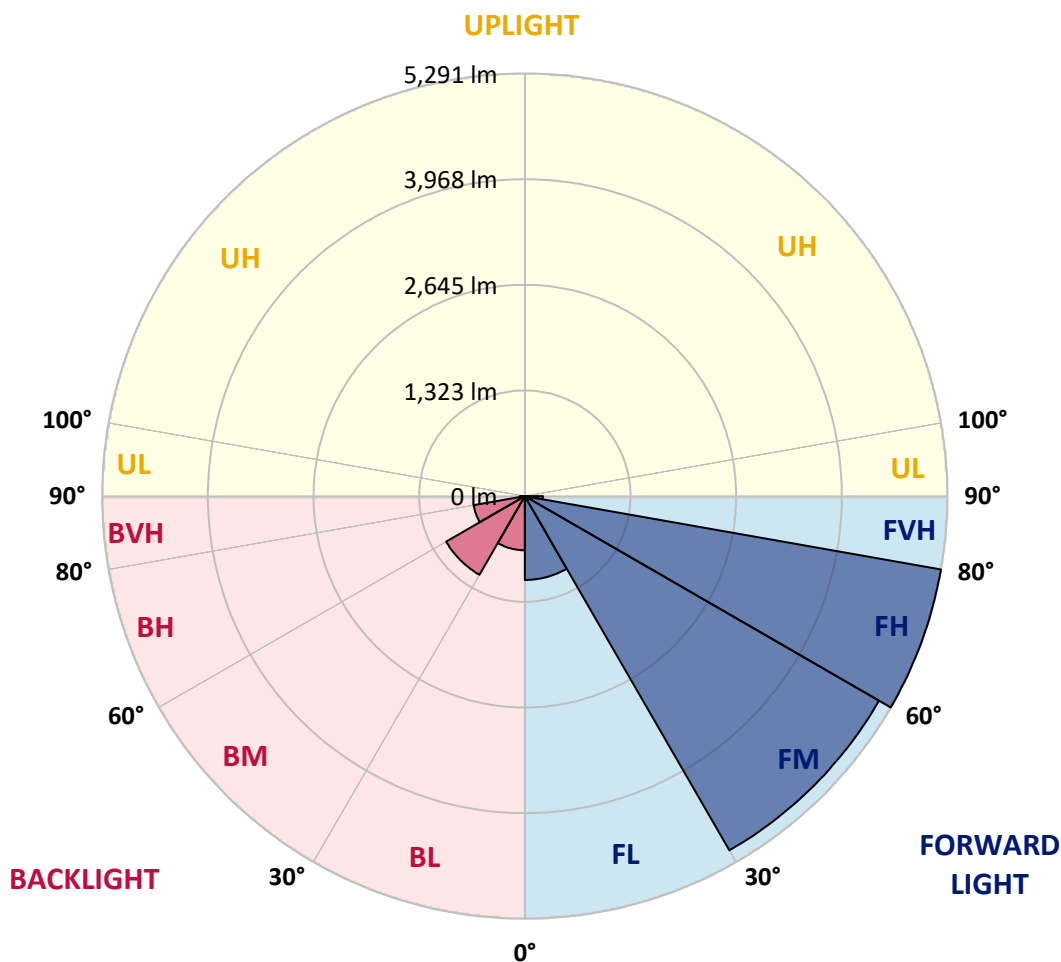
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1049.2	7.4			
FM (30°-60°)	5120.8	36.0			
FH (60°-80°)	5290.5	37.2			G3/7500
FVH (80°-90°)	225.6	1.6			G3/500
BL (0°-30°)	677.9	4.8	B2/1000		
BM (30°-60°)	1137.1	8.0	B2/2500		
BH (60°-80°)	650.5	4.6	B2/1000		G2/1000
BVH (80°-90°)	63.5	0.4			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2354.7	2354.7	2354.7	2354.7	2354.7	2354.7	2354.7	2354.7	2354.7	2354.7	2354.7
2.5°	2225.8	2238.1	2249.3	2260.6	2269.8	2294.3	2299.4	2326.0	2333.2	2339.3	2347.5
5°	2101.0	2110.2	2121.5	2139.9	2159.3	2203.3	2234.0	2292.3	2325.0	2335.2	2363.9
7.5°	2033.5	2036.6	2051.9	2067.2	2089.8	2132.7	2174.7	2265.7	2331.2	2342.4	2403.8
10°	1984.4	1988.5	2002.8	2024.3	2046.8	2086.7	2138.8	2247.3	2353.7	2371.0	2458.0
12.5°	1967.0	1965.0	1981.3	1995.6	2027.4	2077.5	2131.7	2248.3	2384.3	2408.9	2536.8
15°	2036.6	2023.3	2033.5	2028.4	2038.6	2087.7	2152.1	2270.8	2422.2	2452.9	2618.6
17.5°	2190.0	2178.7	2171.6	2127.6	2099.0	2126.6	2187.9	2302.5	2462.1	2494.8	2692.2
20°	2419.1	2387.4	2360.8	2287.2	2207.4	2198.2	2241.1	2334.2	2499.9	2531.6	2770.0
22.5°	2680.0	2654.4	2611.4	2482.5	2358.8	2297.4	2308.6	2392.5	2555.2	2589.9	2859.0
25°	3009.3	3008.3	2920.3	2746.4	2559.3	2435.5	2412.0	2485.6	2617.6	2651.3	2932.6
27.5°	3384.7	3359.1	3254.8	3030.8	2795.5	2606.3	2551.1	2580.7	2667.7	2702.5	2991.9
30°	3705.9	3709.0	3602.6	3358.1	3047.2	2773.0	2668.7	2649.3	2700.4	2735.2	3047.2
32.5°	4049.6	4032.2	3935.0	3683.4	3319.3	2952.0	2744.4	2698.4	2734.2	2766.9	3123.9
35°	4372.8	4353.4	4269.5	3998.5	3619.0	3149.5	2846.7	2775.1	2814.0	2849.8	3218.0
37.5°	4680.7	4683.8	4588.7	4329.9	3909.5	3382.7	2998.1	2890.7	2932.6	2972.5	3361.2
40°	4949.7	4934.4	4860.7	4627.5	4211.2	3620.0	3168.9	3048.2	3130.0	3166.8	3542.2
42.5°	5035.7	5034.6	5063.3	4920.1	4528.3	3902.3	3381.7	3293.7	3409.3	3464.5	3764.2
45°	4961.0	4983.5	5149.2	5145.1	4845.4	4226.6	3672.2	3592.4	3759.1	3821.5	4035.3
47.5°	4887.3	4921.1	5146.1	5274.0	5129.8	4583.5	4029.1	3969.8	4209.2	4299.2	4316.6
50°	4779.9	4811.6	5079.6	5292.4	5303.7	4944.6	4491.5	4416.8	4724.7	4816.8	4622.4
52.5°	4660.3	4684.8	4962.0	5279.1	5386.5	5226.9	4944.6	4923.1	5277.1	5351.7	4933.4
55°	3999.5	4103.8	4789.1	5250.5	5443.8	5442.8	5385.5	5456.1	5879.5	5991.0	5280.1
57.5°	3620.0	3675.2	4302.2	5234.1	5551.2	5642.2	5840.7	5992.1	6522.9	6623.2	5662.7
60°	3496.2	3545.3	4057.8	5214.7	5765.0	5954.2	6285.6	6531.1	7214.4	7337.1	6090.2
62.5°	3383.7	3443.0	3958.6	5060.2	6023.8	6448.3	6816.5	7114.2	7943.7	8089.0	6515.8
65°	3154.6	3196.5	3776.5	4930.3	6269.3	7153.0	7582.6	7756.5	8650.5	8814.2	6798.1
67.5°	2758.7	2798.6	3366.3	4631.6	6428.8	7886.4	8420.4	8421.4	9196.7	9330.7	6857.4
70°	2293.3	2324.0	2775.1	3981.1	6096.4	8357.0	9176.3	8856.1	9351.2	9409.5	6575.1
72.5°	1639.7	1666.3	2032.5	2942.8	4998.8	7975.4	9348.1	8837.7	8976.8	8958.4	5772.1
75°	1010.6	1061.8	1244.8	1796.2	3106.5	6275.4	8413.2	8008.2	7537.6	7486.5	4346.2
77.5°	658.7	685.3	841.8	1059.7	1370.7	3602.6	6390.0	6004.3	4759.5	4700.2	2336.3
80°	395.9	439.8	551.3	665.9	620.9	1377.8	3648.6	2982.7	1681.6	1663.2	718.1
82.5°	212.8	252.7	388.7	412.2	348.8	486.9	1321.6	969.7	538.0	531.9	269.0
85°	168.8	188.2	279.2	260.8	197.4	246.5	515.5	404.0	276.2	270.0	101.3
87.5°	102.3	128.9	211.7	175.9	98.2	89.0	236.3	191.3	129.9	120.7	39.9
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°	2354.7	2354.7	2354.7	2354.7	2354.7	2354.7	2354.7	2354.7	2354.7	2354.7	2354.7
2.5°	2362.9	2368.0	2373.1	2362.9	2367.0	2361.8	2361.8	2361.8	2348.5	2344.4	2356.7
5°	2385.4	2392.5	2396.6	2364.9	2345.5	2316.8	2293.3	2257.5	2237.0	2223.7	2223.7
7.5°	2431.4	2439.6	2421.2	2350.6	2282.1	2205.3	2126.6	2061.1	2014.1	1993.6	1999.7
10°	2498.9	2502.0	2440.6	2310.7	2164.4	2022.2	1910.7	1823.8	1765.5	1735.8	1731.7
12.5°	2577.7	2564.4	2444.7	2222.7	2005.9	1814.6	1678.6	1566.0	1491.4	1462.7	1448.4
15°	2655.4	2623.7	2429.3	2117.4	1825.8	1595.7	1421.8	1315.4	1269.4	1256.1	1251.0
17.5°	2725.0	2665.6	2378.2	1966.0	1617.2	1340.0	1212.1	1174.3	1179.4	1191.7	1196.8
20°	2788.4	2697.3	2304.6	1786.0	1356.3	1140.5	1108.8	1143.6	1172.2	1190.6	1193.7
22.5°	2857.9	2728.0	2202.3	1567.1	1142.6	1048.5	1086.3	1126.2	1154.8	1173.2	1176.3
25°	2911.1	2727.0	2058.0	1307.2	1007.5	1023.9	1068.9	1104.7	1126.2	1139.5	1138.5
27.5°	2944.9	2702.5	1868.8	1093.5	954.4	1006.5	1049.5	1073.0	1085.3	1095.5	1094.5
30°	2955.1	2655.4	1630.5	935.9	929.8	990.2	1022.9	1037.2	1046.4	1056.6	1056.6
32.5°	2975.6	2582.8	1367.6	848.0	911.4	973.8	993.2	1004.5	997.3	971.7	966.6
35°	2998.1	2502.0	1119.0	807.1	894.0	962.5	980.9	951.3	873.5	863.3	859.2
37.5°	3042.1	2427.3	908.3	778.4	889.9	968.7	984.0	865.4	799.9	768.2	763.1
40°	3116.7	2352.6	767.2	758.0	895.0	995.3	943.1	824.4	716.0	655.7	645.4
42.5°	3214.9	2261.6	687.4	747.7	909.3	1038.2	928.8	766.1	647.5	606.6	600.4
45°	3328.5	2140.9	649.5	745.7	926.7	1059.7	932.9	719.1	616.8	585.1	583.0
47.5°	3446.1	2022.2	633.2	743.6	948.2	1050.5	876.6	704.8	604.5	595.3	601.5
50°	3572.9	1887.2	619.9	738.5	965.6	1050.5	845.9	701.7	608.6	629.1	649.5
52.5°	3691.6	1773.7	604.5	723.2	972.8	1032.1	836.7	712.9	614.8	609.6	615.8
55°	3835.8	1715.4	596.3	701.7	959.5	975.8	825.5	743.6	619.9	577.9	577.9
57.5°	4000.5	1703.1	584.1	673.1	916.5	898.1	824.4	762.0	606.6	567.7	560.5
60°	4198.9	1729.7	568.7	637.3	864.3	837.7	817.3	762.0	585.1	550.3	553.4
62.5°	4359.5	1726.6	559.5	605.5	794.8	775.3	804.0	751.8	576.9	548.3	547.2
65°	4397.4	1661.2	532.9	564.6	708.9	699.7	789.7	726.2	565.7	537.0	528.8
67.5°	4269.5	1512.8	493.0	510.4	617.8	618.8	764.1	692.5	550.3	530.9	517.6
70°	3906.4	1223.4	433.7	445.0	519.6	532.9	726.2	652.6	524.7	504.3	472.6
72.5°	3269.1	879.7	365.2	368.2	413.2	448.0	660.8	598.4	486.9	438.8	405.1
75°	2420.1	584.1	297.7	293.6	309.9	364.1	564.6	538.0	437.8	364.1	346.8
77.5°	1279.6	345.7	229.1	230.1	219.9	279.2	448.0	467.5	388.7	306.9	289.5
80°	437.8	207.6	164.7	171.8	155.5	199.5	332.4	388.7	332.4	255.7	226.1
82.5°	200.5	126.8	117.6	122.7	111.5	135.0	228.1	294.6	264.9	186.2	150.4
85°	101.3	75.7	75.7	82.9	73.6	69.6	125.8	195.4	194.3	127.9	110.5
87.5°	41.9	36.8	34.8	39.9	34.8	26.6	35.8	70.6	102.3	76.7	49.1
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)