

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: P672106

Luminaire Tested: **CCP-SA-2B-735-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672106
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-735-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

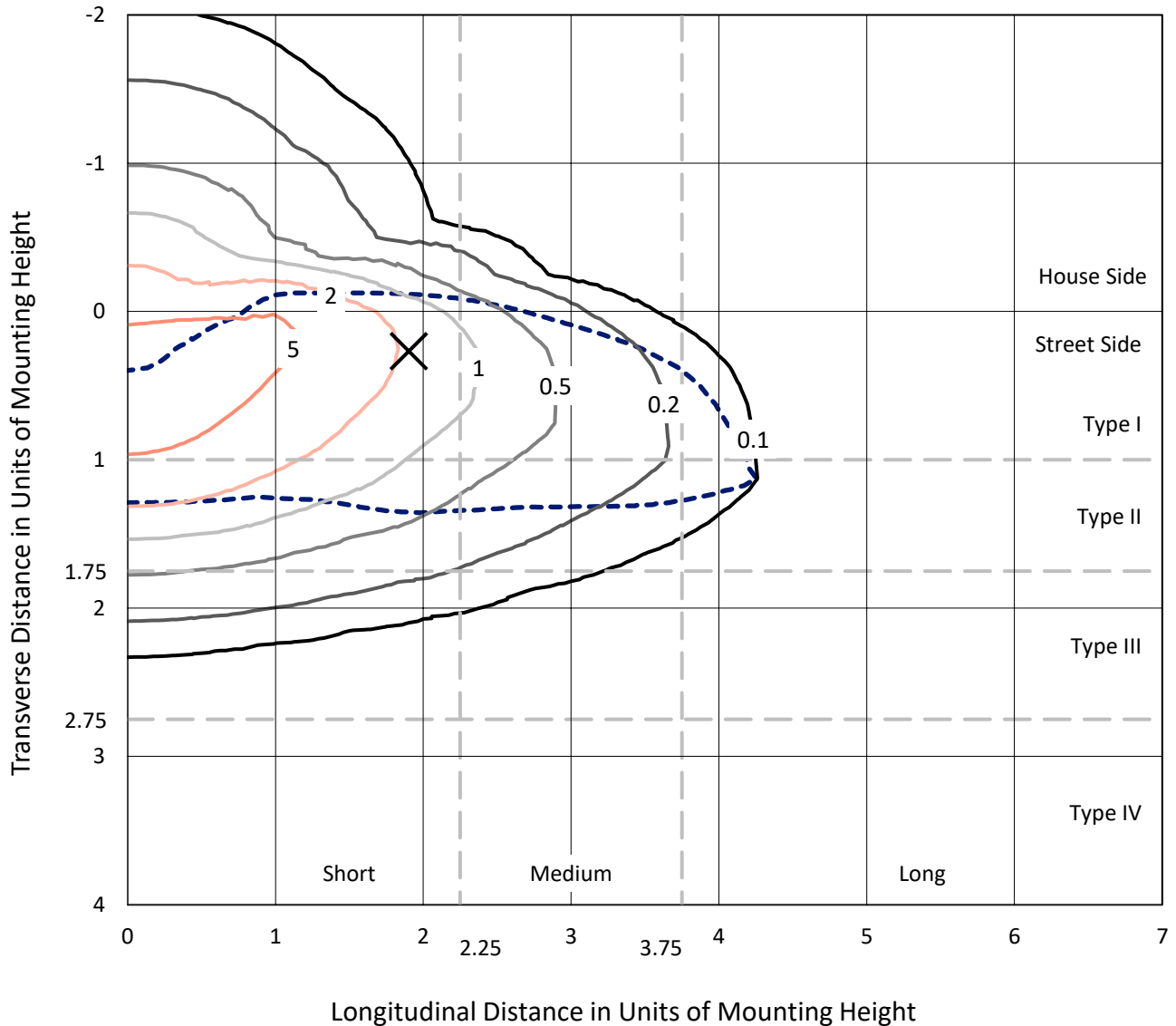
Lumens per Lamp: N/A
Luminaire Lumens: 6919 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 46
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

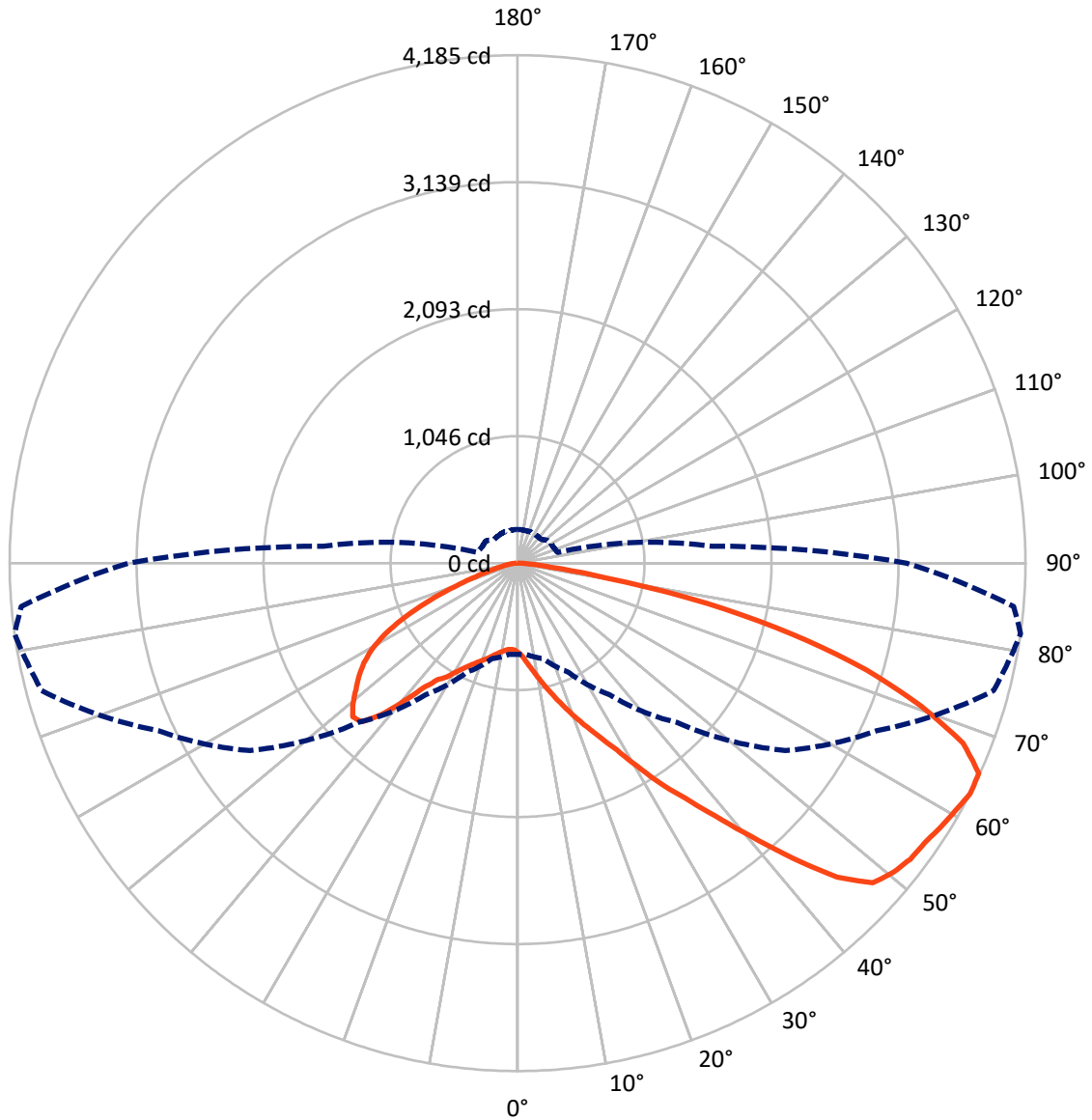
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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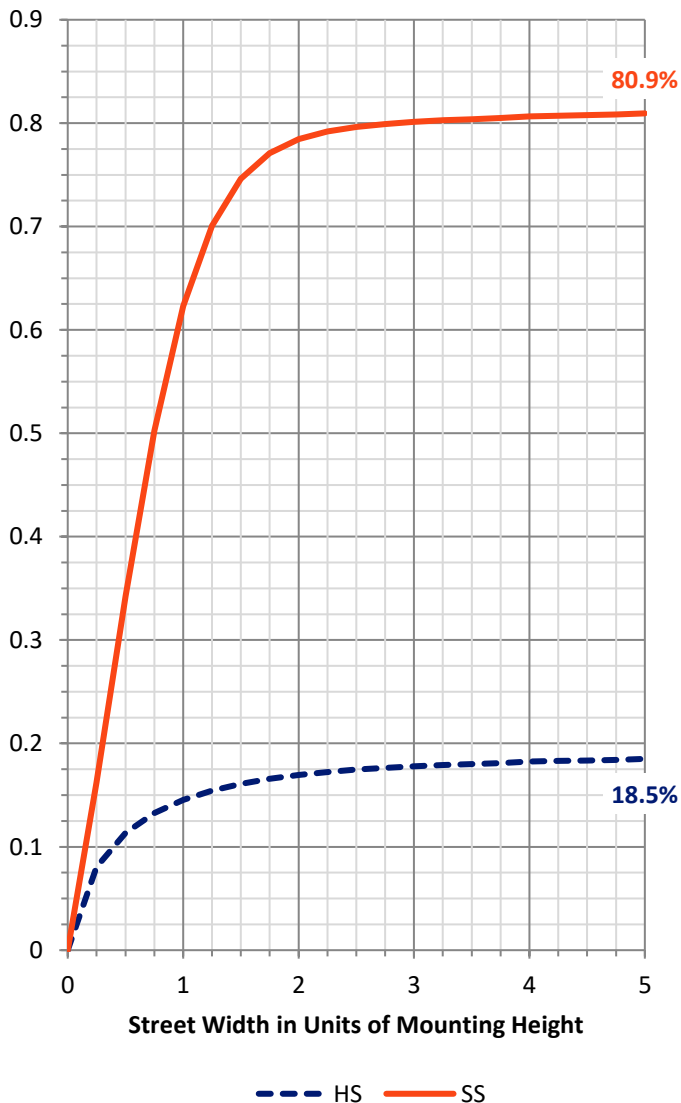
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1303.5	0.0	1303.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	5615.5	0.0	5615.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	6919.0	0.0	6919.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	1.2
10°-20°	307.1	4.4
20°-30°	636.0	9.2
30°-40°	1079.4	15.6
40°-50°	1470.0	21.2
50°-60°	1487.9	21.5
60°-70°	1172.6	16.9
70°-80°	577.7	8.3
80°-90°	106.9	1.5
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°	6919.0	100.0
0°-180°	6919.0	100.0



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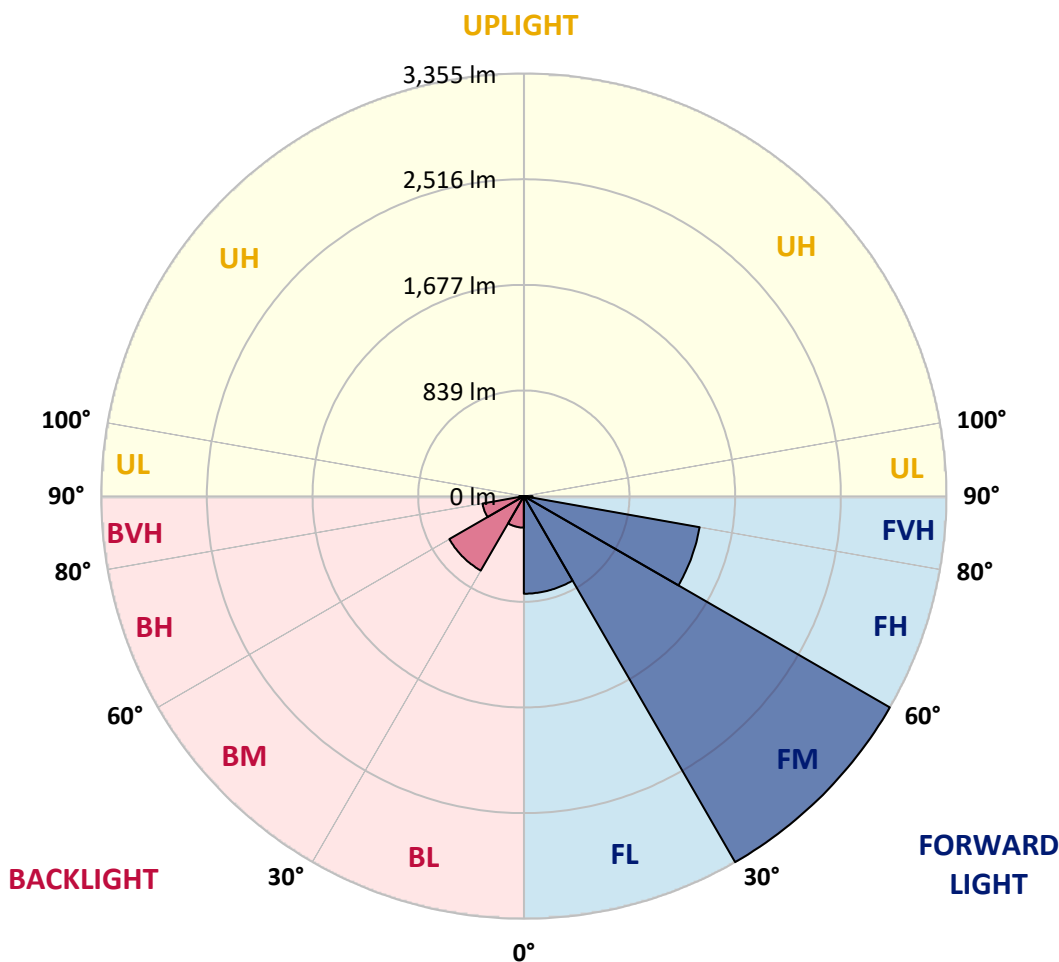
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	774.4	11.2			
FM (30°-60°)	3354.5	48.5			
FH (60°-80°)	1417.1	20.5			G1/1800
FVH (80°-90°)	69.4	1.0			G1/100
BL (0°-30°)	250.1	3.6	B1/500		
BM (30°-60°)	682.8	9.9	B1/1000		
BH (60°-80°)	333.2	4.8	B1/500		G1/500
BVH (80°-90°)	37.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8
2.5°	979.9	964.9	957.0	948.0	923.1	907.2	877.3	842.4	802.0	767.7	761.2
5°	1186.6	1171.7	1173.7	1151.7	1115.4	1081.5	1025.7	960.0	883.2	824.5	804.0
7.5°	1332.6	1316.1	1320.1	1311.2	1281.8	1244.4	1173.7	1089.0	976.9	889.7	856.8
10°	1430.2	1432.2	1435.2	1431.7	1412.8	1386.4	1316.1	1222.5	1083.0	966.9	922.1
12.5°	1540.8	1546.3	1545.3	1546.8	1536.8	1515.9	1447.2	1359.0	1196.1	1050.1	991.8
15°	1681.8	1676.3	1680.8	1687.3	1676.3	1653.4	1592.6	1488.0	1314.6	1142.8	1070.5
17.5°	1836.2	1824.8	1836.7	1830.2	1822.3	1807.3	1740.6	1629.0	1437.2	1242.9	1158.2
20°	1969.7	1962.3	1968.7	1969.7	1971.2	1968.2	1899.5	1780.9	1565.7	1352.0	1252.9
22.5°	2119.7	2116.2	2115.2	2115.7	2117.2	2120.7	2073.8	1947.3	1708.2	1466.6	1355.0
25°	2329.4	2325.9	2303.0	2277.6	2262.6	2273.6	2249.2	2136.1	1865.6	1595.1	1467.1
27.5°	2564.5	2559.1	2528.7	2464.4	2416.6	2424.6	2422.1	2344.3	2046.9	1742.6	1601.6
30°	2808.6	2795.2	2753.3	2663.2	2587.9	2574.0	2581.0	2555.1	2275.1	1938.3	1788.9
32.5°	3026.3	3001.4	2946.1	2855.0	2765.3	2724.9	2725.9	2737.4	2523.2	2166.5	1985.2
35°	3159.3	3142.9	3101.6	3009.4	2909.3	2882.4	2874.9	2932.2	2750.8	2377.7	2161.0
37.5°	3231.1	3215.1	3170.8	3096.6	3020.9	3009.9	3023.8	3112.5	3009.4	2641.3	2400.1
40°	3218.1	3201.2	3172.3	3120.5	3070.7	3079.1	3140.9	3277.9	3291.8	2956.6	2740.9
42.5°	3111.5	3093.6	3091.1	3087.6	3064.2	3101.6	3213.1	3399.0	3551.4	3320.7	3153.4
45°	2923.2	2912.3	2925.2	2985.0	3014.4	3086.6	3247.0	3457.7	3779.5	3690.9	3543.4
47.5°	2684.6	2678.1	2707.5	2802.2	2897.3	3040.8	3269.4	3473.7	3936.5	3936.5	3799.0
50°	2417.6	2415.1	2453.9	2591.4	2740.4	2956.6	3266.9	3488.6	4005.2	4008.7	3889.1
52.5°	2045.0	2057.9	2161.5	2342.9	2545.1	2824.6	3232.1	3530.5	4044.1	4052.0	3949.4
55°	1615.5	1628.0	1784.4	2028.5	2287.6	2664.2	3128.0	3518.0	4051.5	4069.5	3983.8
57.5°	1289.7	1292.2	1389.9	1679.8	2000.6	2458.9	3007.9	3435.3	4029.6	4107.8	4036.6
60°	1009.3	1017.2	1082.5	1312.2	1667.8	2194.4	2873.9	3353.6	4042.1	4144.2	4084.4
62.5°	751.7	753.7	814.5	992.3	1325.1	1857.1	2692.1	3266.4	4059.5	4185.1	4103.9
65°	489.7	489.2	548.0	708.4	989.8	1493.0	2406.6	3129.9	4061.0	4176.1	4014.7
67.5°	311.4	313.3	338.7	439.9	662.6	1126.8	2018.1	2876.4	3990.3	3958.9	3689.9
70°	252.6	253.1	261.0	287.4	403.5	770.2	1516.9	2479.8	3766.6	3526.0	3207.2
72.5°	225.2	225.7	229.7	232.6	269.0	462.8	995.3	2013.6	3369.1	3005.4	2660.7
75°	202.3	202.3	204.7	201.8	220.7	290.4	564.9	1513.9	2774.8	2340.4	2010.1
77.5°	177.3	176.8	176.8	175.4	190.8	212.2	283.0	1056.6	1998.6	1596.1	1303.7
80°	150.4	149.4	150.9	149.9	164.9	160.9	164.9	652.1	1083.5	731.8	555.0
82.5°	117.1	117.1	121.6	122.5	136.0	116.6	116.1	309.4	411.5	273.5	204.7
85°	61.3	68.7	92.7	96.6	102.6	73.2	85.2	144.5	164.9	104.6	74.7
87.5°	18.4	19.4	56.8	63.8	63.3	36.9	52.3	69.7	77.2	46.3	30.4
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°	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8
2.5°	744.8	727.3	690.5	657.6	632.7	608.8	592.3	583.8	572.9	574.4	570.9
5°	767.7	731.8	666.5	613.7	578.4	551.5	535.0	526.6	518.6	514.6	517.6
7.5°	802.0	746.2	655.1	591.3	554.5	531.5	522.6	520.1	518.1	516.6	519.1
10°	846.4	771.7	653.1	583.3	549.5	535.5	532.0	530.5	528.5	526.6	528.1
12.5°	891.7	799.5	660.1	585.3	557.4	547.0	542.5	540.5	535.5	533.0	533.5
15°	948.5	833.4	669.5	593.3	567.9	554.5	548.5	543.0	535.0	531.5	533.0
17.5°	1009.3	873.8	682.5	600.8	571.9	555.4	543.5	535.5	527.6	522.6	523.1
20°	1078.0	913.6	693.9	603.3	569.9	547.0	532.5	523.1	512.6	507.1	505.6
22.5°	1149.3	955.5	702.9	601.3	558.9	532.5	516.1	504.6	492.2	483.7	484.2
25°	1235.9	1012.3	710.4	594.3	544.5	513.6	495.2	480.7	467.8	459.8	460.3
27.5°	1340.1	1076.5	719.3	583.3	527.1	493.2	471.8	457.3	444.9	437.4	436.4
30°	1479.0	1160.2	729.3	569.9	505.1	470.8	449.8	434.9	422.9	416.0	416.0
32.5°	1635.5	1262.3	736.3	554.0	480.7	446.9	427.9	416.0	407.0	397.5	396.5
35°	1771.5	1341.5	757.7	541.5	459.3	424.4	411.5	403.0	389.6	380.6	379.1
37.5°	1971.2	1481.0	821.0	538.0	433.4	407.0	404.5	388.6	373.1	356.2	354.7
40°	2293.0	1722.6	894.7	521.1	406.5	397.5	395.0	373.6	337.3	326.8	324.8
42.5°	2702.5	2013.6	902.7	471.8	387.6	389.6	382.1	340.2	324.3	316.3	314.3
45°	3072.2	2249.7	857.3	421.4	373.6	377.6	362.2	327.8	318.8	311.4	309.4
47.5°	3279.9	2322.4	771.7	383.6	363.2	367.1	330.3	321.8	312.8	305.4	303.4
50°	3338.2	2259.2	672.0	361.7	355.2	356.7	321.8	316.8	308.9	302.9	299.9
52.5°	3349.6	2164.5	579.9	348.7	349.2	335.8	314.3	310.4	305.4	295.9	292.4
55°	3354.6	2079.3	497.2	340.7	345.2	308.9	306.4	303.4	299.4	289.4	287.4
57.5°	3367.6	1970.2	432.4	334.8	340.2	296.4	297.4	295.4	290.4	285.9	284.9
60°	3330.7	1819.3	382.6	328.8	333.3	285.9	286.9	287.9	283.5	282.5	282.0
62.5°	3207.2	1605.1	340.2	320.8	318.8	275.5	275.5	279.5	275.5	277.0	277.0
65°	2952.6	1332.1	302.4	305.9	296.4	264.0	263.5	270.5	264.5	271.0	271.5
67.5°	2518.7	1008.3	263.5	282.5	273.0	252.1	254.1	259.5	251.6	265.0	265.0
70°	1993.6	686.0	223.2	249.6	249.1	238.6	245.1	244.6	235.6	255.6	252.1
72.5°	1485.0	440.4	181.8	209.2	217.7	224.2	236.1	225.7	217.2	228.7	218.2
75°	1037.7	276.0	143.5	165.4	181.3	208.2	225.2	204.2	191.8	188.3	185.3
77.5°	621.2	176.3	113.1	126.0	141.5	189.3	211.2	181.8	162.9	160.9	154.9
80°	286.4	115.1	86.2	94.2	100.6	162.4	192.3	155.4	132.5	130.5	123.5
82.5°	129.5	75.7	64.3	67.3	67.7	129.0	162.4	123.0	101.1	163.9	142.0
85°	60.3	48.8	41.8	39.9	40.4	86.2	118.1	84.7	115.1	89.7	68.2
87.5°	25.9	24.9	21.4	16.9	15.4	18.4	45.3	35.4	50.3	19.9	13.5
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)