

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: P674622

Luminaire Tested: **CCP-SA-2D-835-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674622
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-835-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

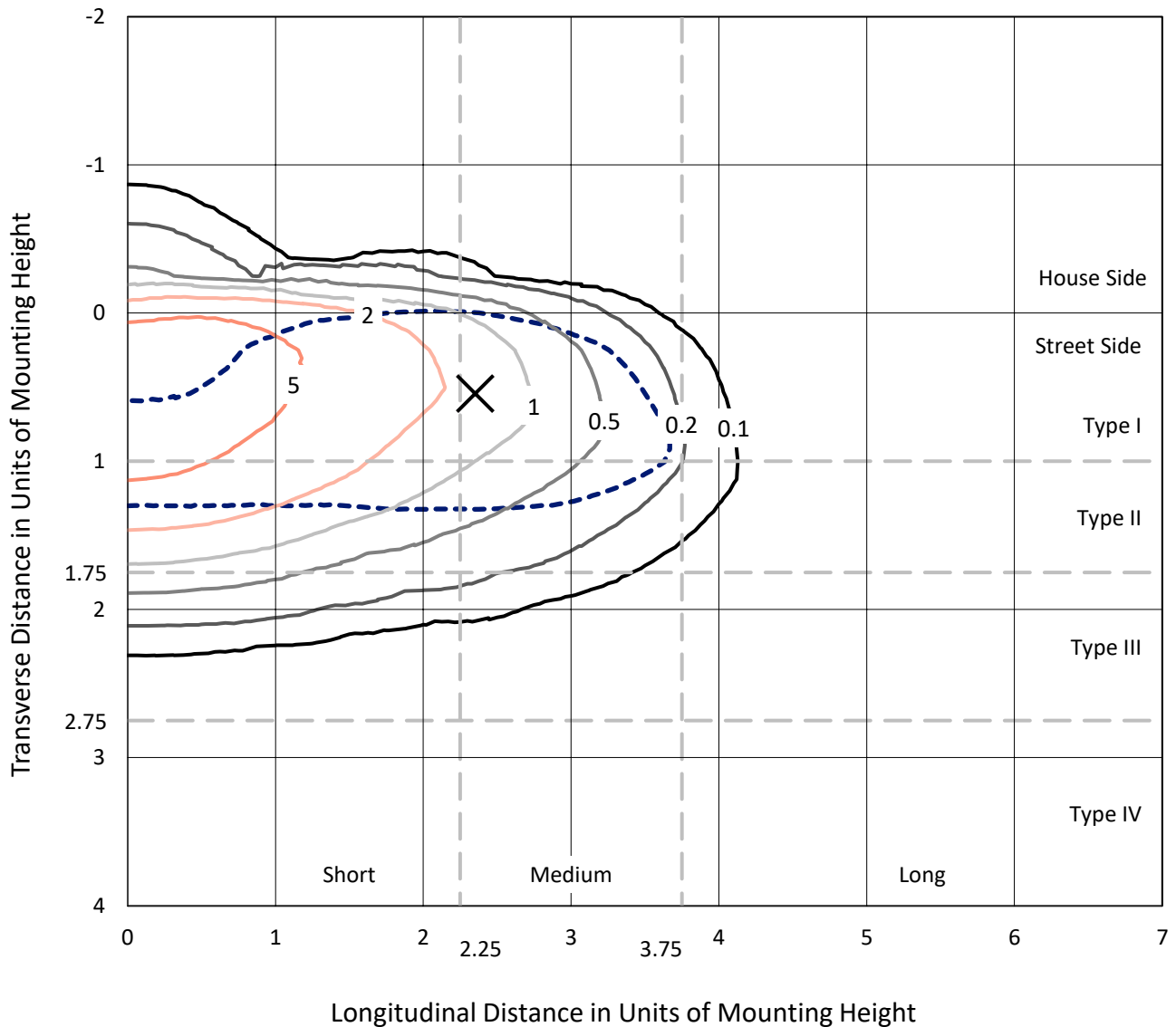
Lumens per Lamp: N/A
Luminaire Lumens: 7441.1 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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

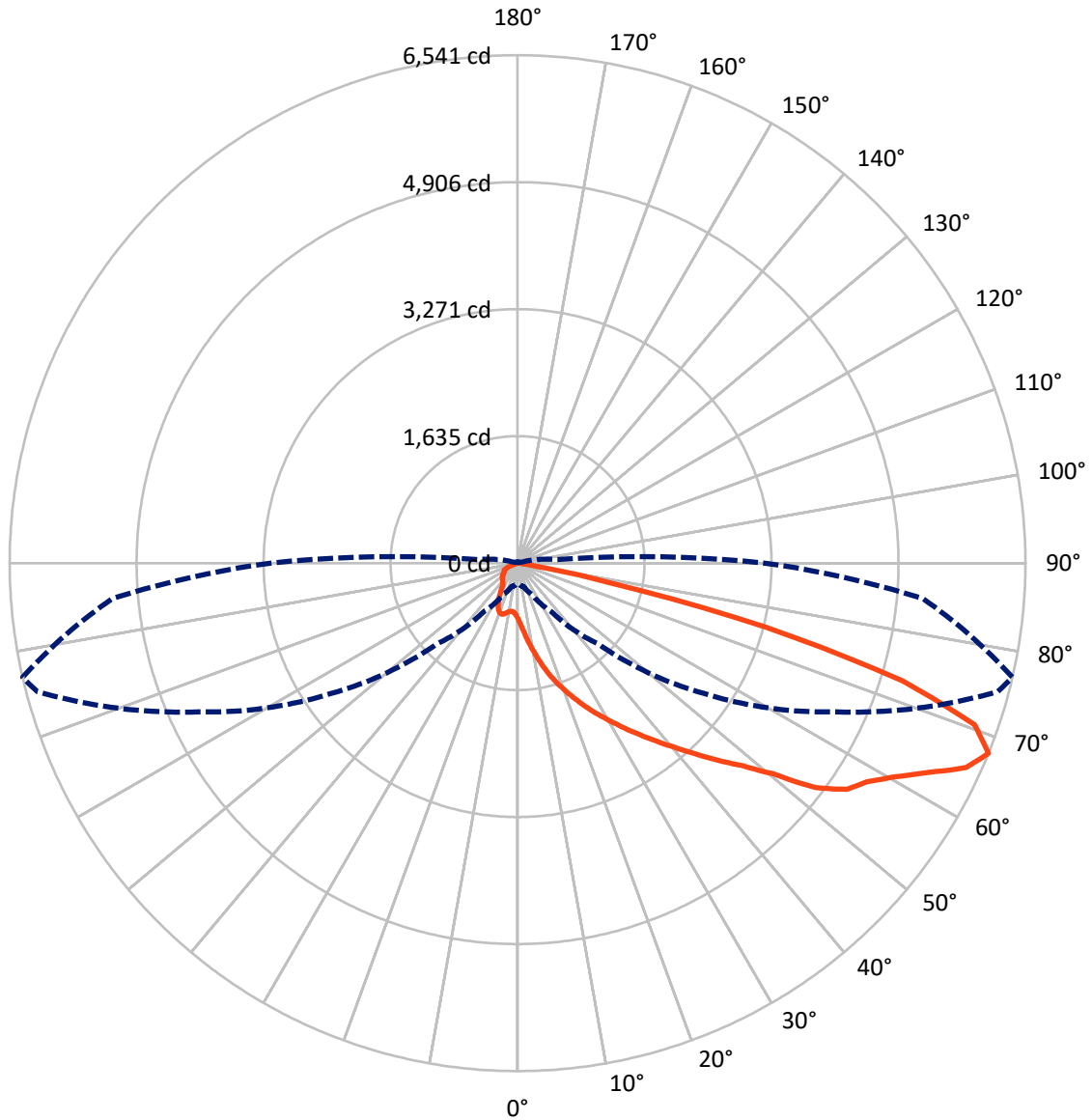
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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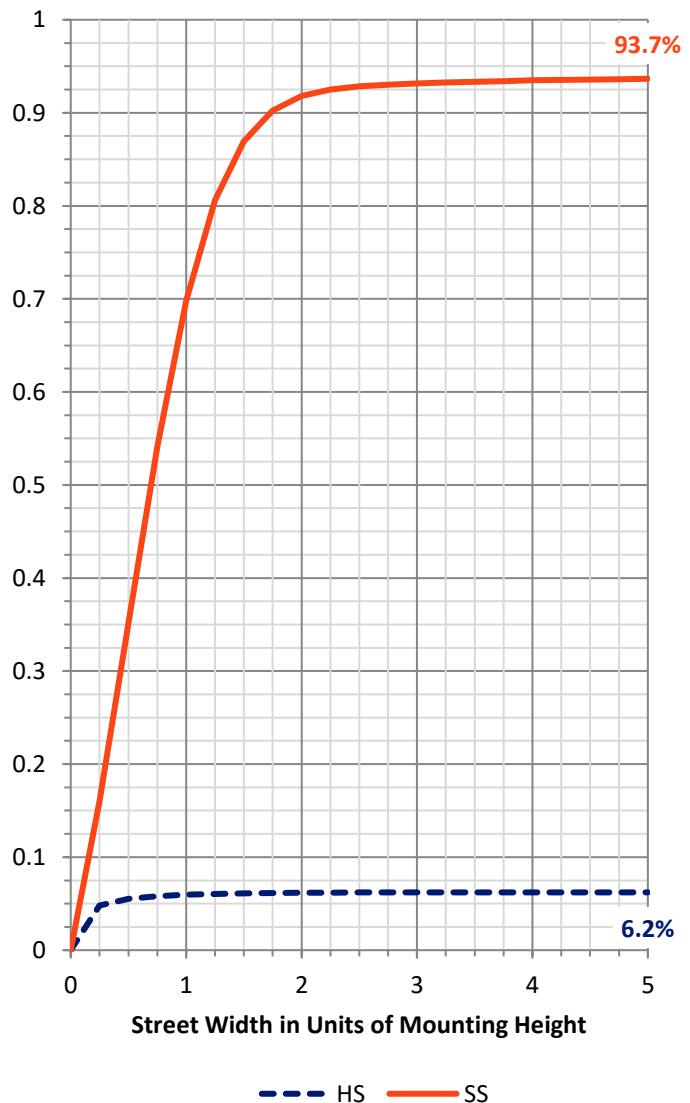
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	465.0	0.0	465.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	6976.1	0.0	6976.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	7441.1	0.0	7441.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	1.1
10°-20°	309.7	4.2
20°-30°	605.2	8.1
30°-40°	1058.0	14.2
40°-50°	1543.0	20.7
50°-60°	1804.3	24.2
60°-70°	1462.6	19.7
70°-80°	549.5	7.4
80°-90°	25.0	0.3
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°	7441.1	100.0
0°-180°	7441.1	100.0



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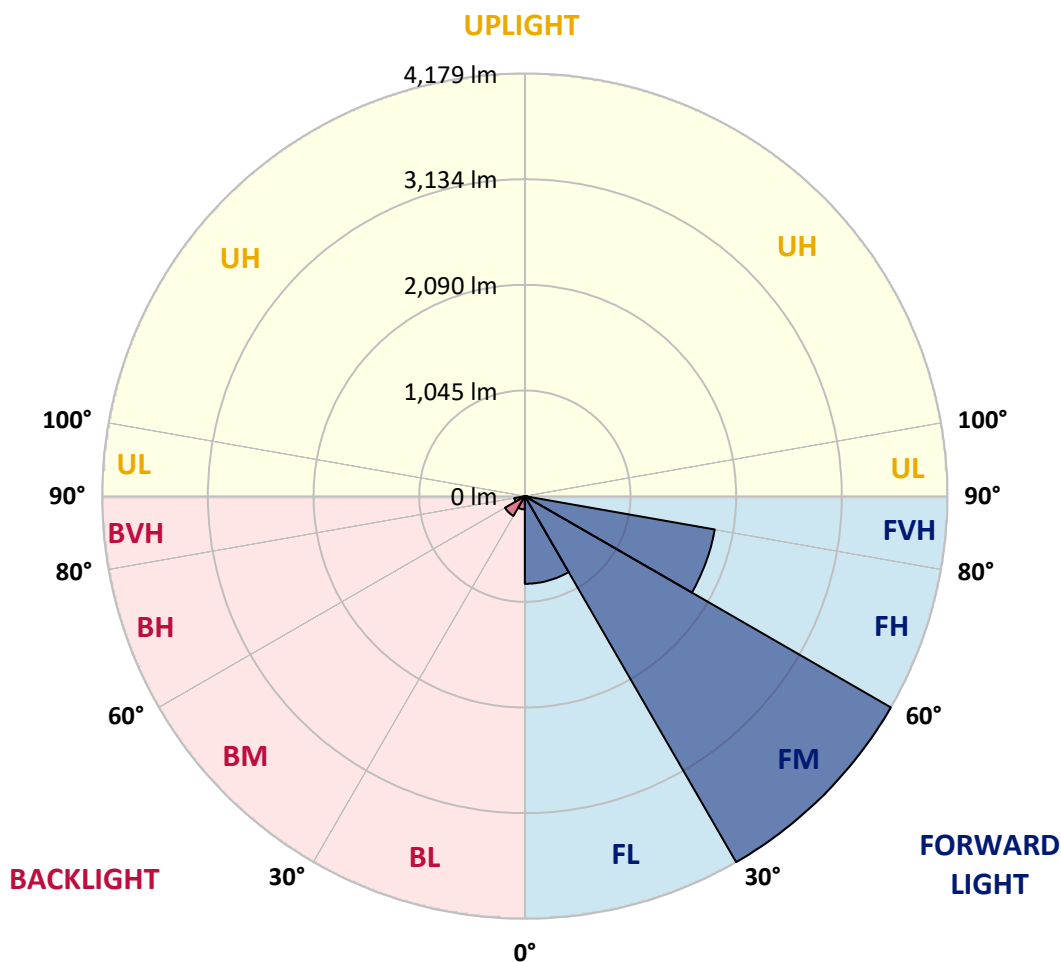
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	866.8	11.6			
FM (30°-60°)	4179.1	56.2			
FH (60°-80°)	1906.7	25.6			G2/5000
FVH (80°-90°)	23.5	0.3			G1/100
BL (0°-30°)	131.9	1.8	B1/500		
BM (30°-60°)	226.2	3.0	B1/1000		
BH (60°-80°)	105.5	1.4	B0/110		G0/110
BVH (80°-90°)	1.4	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	712.7	712.7	712.7	712.7	712.7	712.7	712.7	712.7	712.7	712.7	712.7
2.5°	1070.1	1031.1	1038.5	1022.4	1001.6	953.2	902.1	851.1	805.4	795.3	749.7
5°	1370.3	1358.3	1345.5	1334.7	1291.1	1230.6	1138.6	1021.7	916.3	898.1	803.4
7.5°	1603.4	1585.3	1596.7	1563.8	1518.1	1459.7	1342.8	1217.9	1055.3	1028.4	881.3
10°	1775.4	1765.3	1770.7	1755.3	1733.1	1674.6	1559.1	1402.6	1214.5	1163.5	968.6
12.5°	1904.4	1906.4	1929.9	1931.2	1913.1	1865.4	1743.2	1579.9	1358.9	1313.2	1065.4
15°	1998.4	2000.4	2029.3	2060.2	2081.0	2056.2	1945.4	1762.6	1528.9	1466.4	1166.8
17.5°	2013.9	2015.2	2066.3	2128.7	2193.2	2214.7	2129.4	1944.0	1684.0	1612.8	1283.0
20°	2023.9	2035.4	2081.0	2152.9	2255.0	2321.5	2275.2	2118.0	1834.5	1751.9	1397.2
22.5°	2146.2	2146.2	2173.1	2224.1	2305.4	2409.5	2400.1	2277.9	1981.0	1899.0	1510.7
25°	2405.5	2405.5	2379.3	2365.9	2409.5	2491.5	2515.0	2448.5	2148.2	2051.5	1630.3
27.5°	2748.8	2748.8	2707.8	2609.0	2571.4	2605.7	2630.5	2596.9	2302.7	2207.3	1756.6
30°	3104.8	3116.9	3045.7	2920.0	2788.4	2762.2	2738.0	2730.6	2467.3	2359.8	1884.9
32.5°	3462.1	3460.8	3372.1	3215.6	3043.6	2950.9	2872.4	2863.6	2641.9	2536.5	2006.5
35°	3747.6	3748.3	3654.9	3494.4	3295.6	3177.3	3051.0	3010.1	2833.4	2715.8	2151.6
37.5°	3994.8	3980.7	3880.0	3727.5	3542.1	3419.8	3262.6	3155.8	3031.6	2912.0	2296.7
40°	4136.6	4117.8	4019.7	3874.6	3734.2	3640.8	3502.4	3331.8	3249.2	3120.2	2461.9
42.5°	4157.4	4141.3	4076.1	3988.8	3873.9	3792.0	3755.0	3530.7	3477.6	3360.7	2659.4
45°	4099.0	4072.8	4051.3	4005.6	3973.3	3933.7	3984.1	3742.3	3739.6	3623.4	2854.9
47.5°	3953.9	3918.3	3923.6	3974.0	4010.3	4045.9	4203.1	4019.7	4003.6	3894.7	3111.5
50°	3706.0	3688.5	3747.6	3847.0	3990.8	4133.2	4421.4	4303.2	4367.0	4264.9	3465.5
52.5°	3202.2	3223.7	3400.3	3639.5	3888.0	4174.2	4626.3	4726.4	4889.6	4805.6	3821.5
55°	2597.6	2589.6	2825.3	3249.9	3646.9	4148.0	4715.6	4975.6	5232.2	5144.2	4019.7
57.5°	2092.5	2106.6	2265.8	2685.6	3237.8	3945.8	4736.4	5105.9	5369.9	5311.4	4203.1
60°	1570.5	1584.0	1729.1	2094.5	2693.7	3523.9	4564.5	5151.6	5628.5	5584.2	4495.9
62.5°	999.5	1017.0	1162.8	1518.1	2058.9	2868.3	4178.2	5103.9	5898.5	5935.5	4895.6
65°	491.7	507.2	614.6	886.7	1376.4	2144.9	3639.5	4921.8	6242.5	6347.9	5216.1
67.5°	272.1	279.4	316.4	451.4	767.8	1471.1	2924.8	4532.9	6400.3	6541.4	5237.5
70°	211.6	213.6	227.7	263.3	374.2	863.2	2080.4	3885.3	6073.2	6243.8	4801.6
72.5°	178.0	180.7	187.4	199.5	233.8	449.4	1307.2	3002.7	5109.9	5187.2	3714.7
75°	130.3	134.3	153.2	163.9	184.7	272.7	576.4	1804.3	3376.8	3300.9	2078.4
77.5°	109.5	112.9	117.6	133.0	152.5	186.1	202.2	756.4	1374.4	1195.0	545.5
80°	74.6	78.6	91.4	99.4	129.0	122.9	84.0	202.9	276.1	225.0	104.8
82.5°	53.1	56.4	63.1	81.3	93.4	65.2	45.7	61.8	66.5	63.1	34.3
85°	16.8	21.5	45.7	67.2	50.4	22.2	28.9	23.5	20.8	20.2	13.4
87.5°	3.4	3.4	22.8	26.9	20.2	11.4	10.1	7.4	9.4	9.4	7.4
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°	712.7	712.7	712.7	712.7	712.7	712.7	712.7	712.7	712.7	712.7	712.7
2.5°	728.2	697.9	654.3	613.3	571.6	542.1	521.3	500.4	492.4	489.0	480.3
5°	760.4	702.6	616.0	546.1	495.1	462.8	443.3	426.6	415.8	412.4	407.7
7.5°	806.8	723.5	599.2	518.6	467.5	432.6	401.0	364.8	335.9	324.4	319.7
10°	857.1	755.0	601.9	513.2	445.4	368.8	298.3	239.8	214.3	204.9	198.2
12.5°	931.0	790.0	613.3	507.2	378.9	263.3	190.8	166.6	160.5	159.2	157.9
15°	1004.9	839.0	632.1	466.9	282.8	179.4	158.5	149.8	146.4	143.1	143.1
17.5°	1079.5	886.0	639.5	388.3	195.5	155.2	144.4	137.0	131.7	129.0	127.0
20°	1163.5	935.7	618.0	292.2	156.5	141.7	129.6	120.9	116.2	113.5	111.5
22.5°	1254.1	984.8	571.0	203.5	142.4	127.6	116.2	107.5	102.8	100.1	99.4
25°	1339.4	1027.1	495.7	153.2	128.3	114.2	103.4	96.1	92.7	90.0	89.3
27.5°	1427.4	1063.4	397.7	135.0	116.9	103.4	92.7	86.7	83.3	81.3	80.6
30°	1513.4	1088.2	296.2	123.6	106.8	93.4	84.0	79.3	75.9	73.9	73.2
32.5°	1602.1	1102.3	200.2	113.5	96.7	84.6	76.6	71.9	69.9	67.8	67.8
35°	1687.4	1100.3	144.4	104.1	88.7	76.6	69.2	65.8	65.2	63.1	63.1
37.5°	1780.8	1086.2	122.9	95.4	79.9	69.2	63.1	61.1	60.5	59.1	58.4
40°	1886.9	1054.6	112.2	88.7	72.5	63.1	57.8	56.4	55.8	54.4	54.4
42.5°	2003.1	1013.7	106.1	81.3	66.5	57.1	53.1	51.1	50.4	49.0	49.0
45°	2138.1	974.7	102.1	73.9	61.1	52.4	48.4	46.3	45.7	44.3	44.3
47.5°	2322.2	952.5	95.4	67.2	55.1	47.7	43.7	42.3	41.0	39.6	39.6
50°	2575.4	926.3	86.7	60.5	50.4	43.0	40.3	38.3	37.6	36.3	36.3
52.5°	2783.7	870.6	77.9	53.7	45.0	39.6	36.9	35.6	34.3	33.6	33.6
55°	2856.9	805.4	69.2	48.4	41.0	36.9	34.3	32.9	32.2	31.6	31.6
57.5°	2973.8	784.6	61.1	43.0	36.9	34.3	31.6	30.9	30.2	29.6	28.9
60°	3173.3	796.7	53.7	38.3	33.6	30.9	28.9	28.2	26.9	25.5	25.5
62.5°	3366.8	781.9	45.7	33.6	28.9	27.5	25.5	24.2	21.5	19.5	18.1
65°	3413.8	683.2	39.6	28.2	24.2	22.8	20.8	18.1	14.1	11.4	11.4
67.5°	3186.1	519.3	34.3	24.2	20.2	18.8	14.8	12.1	8.7	6.7	6.7
70°	2629.2	329.2	28.2	18.8	16.8	12.8	9.4	8.7	6.0	5.4	4.7
72.5°	1897.0	180.0	23.5	15.4	12.1	8.1	6.7	5.4	4.0	2.7	2.7
75°	960.6	84.6	17.5	12.1	8.1	5.4	4.0	2.7	2.7	2.0	2.0
77.5°	272.1	39.0	11.4	8.1	5.4	3.4	2.7	2.0	2.0	1.3	1.3
80°	53.7	19.5	7.4	5.4	4.0	2.7	2.0	1.3	1.3	0.7	0.7
82.5°	19.5	10.1	5.4	4.0	3.4	2.7	1.3	0.7	0.7	0.0	0.0
85°	10.1	5.4	4.0	3.4	2.7	2.0	1.3	0.7	0.0	0.0	0.0
87.5°	5.4	4.0	3.4	3.4	2.7	2.0	1.3	0.7	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)