

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: P674413

Luminaire Tested: **CCP-SA-2E-735-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674413
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-735-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

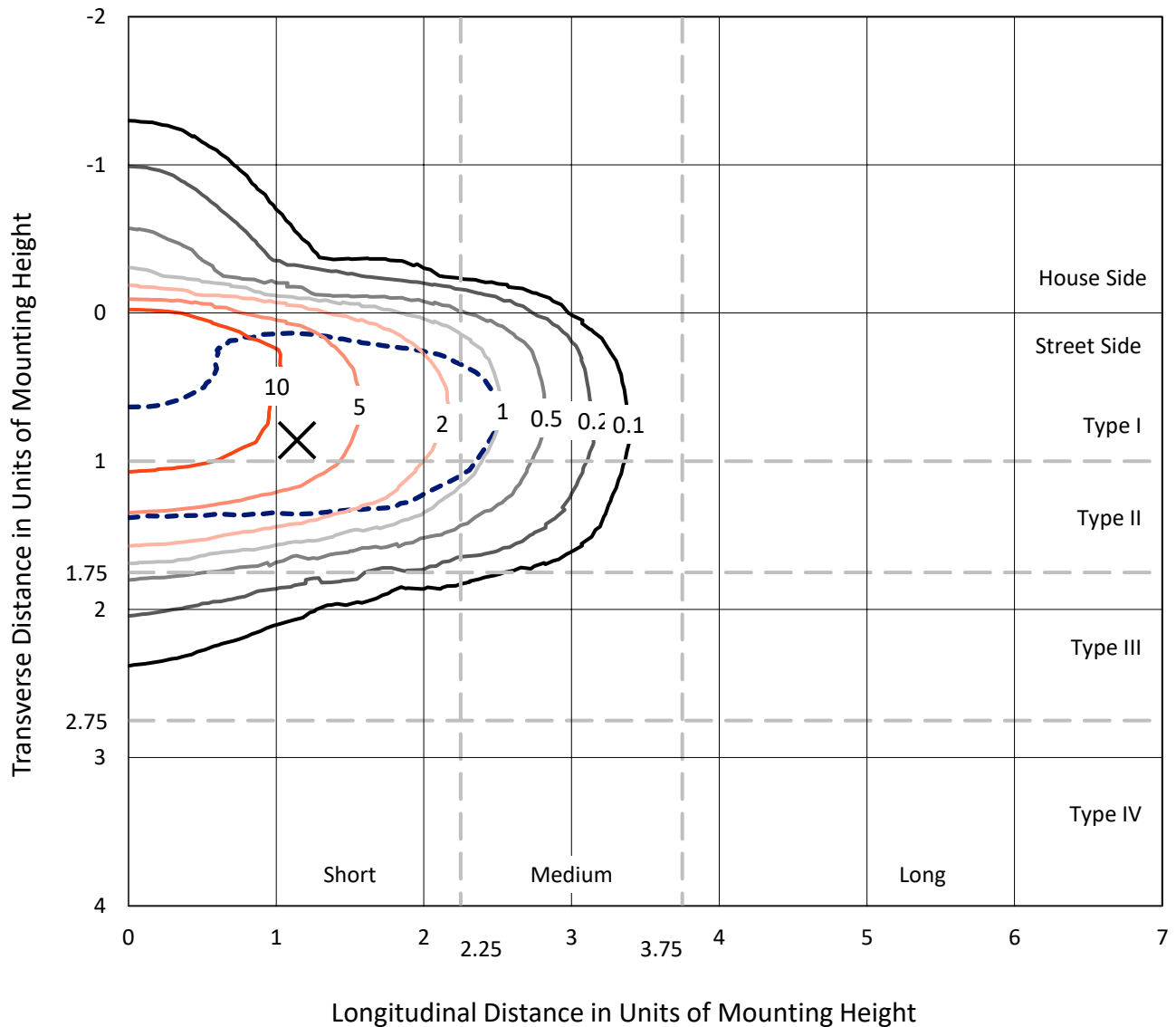
Lumens per Lamp: N/A
Luminaire Lumens: 11183.2 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (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

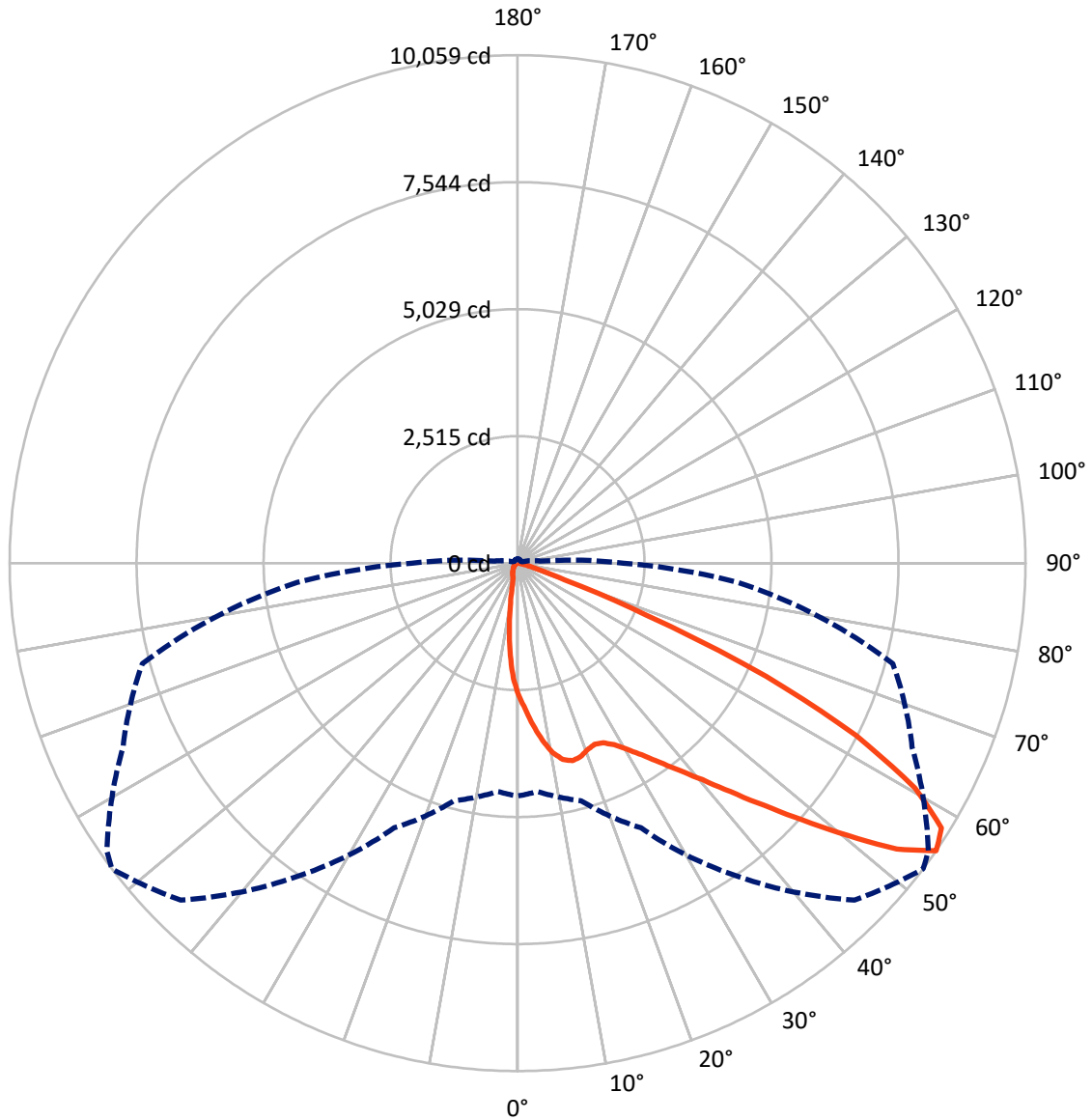
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 16.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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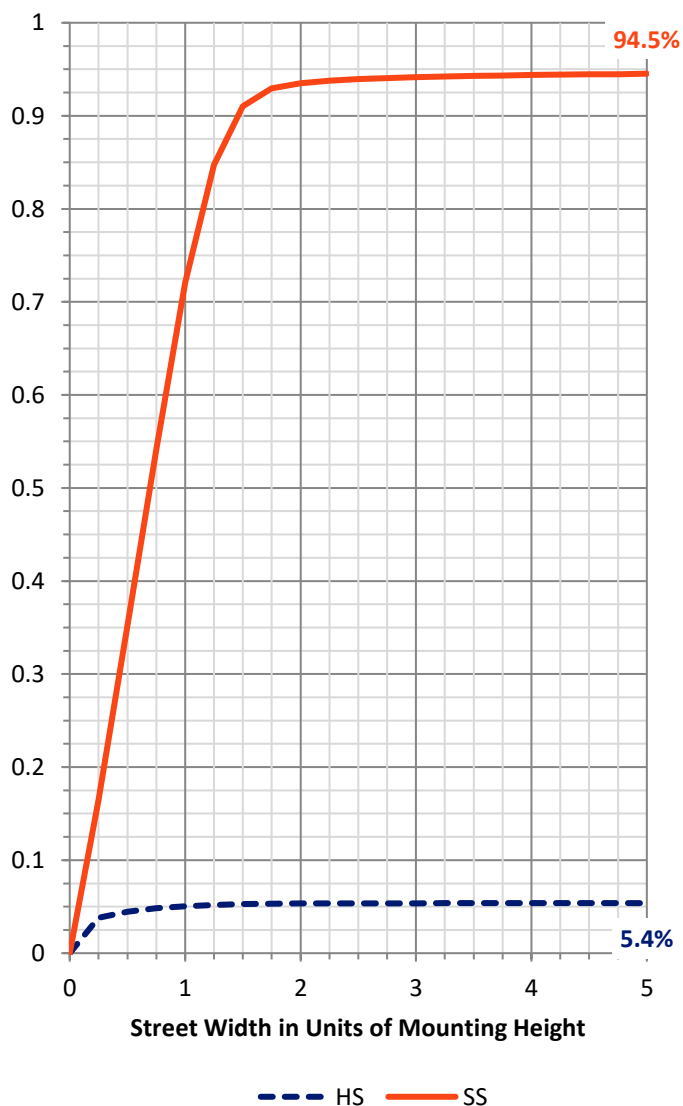
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	604.5	0.0	604.5
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	10578.7	0.0	10578.7
	% Fixture	94.6	0.0	94.6
Total	Lumens	11183.2	0.0	11183.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.0	2.1
10°-20°	611.4	5.5
20°-30°	1023.3	9.2
30°-40°	1674.2	15.0
40°-50°	2691.1	24.1
50°-60°	3038.4	27.2
60°-70°	1620.7	14.5
70°-80°	266.3	2.4
80°-90°	23.8	0.2
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°	11183.2	100.0
0°-180°	11183.2	100.0

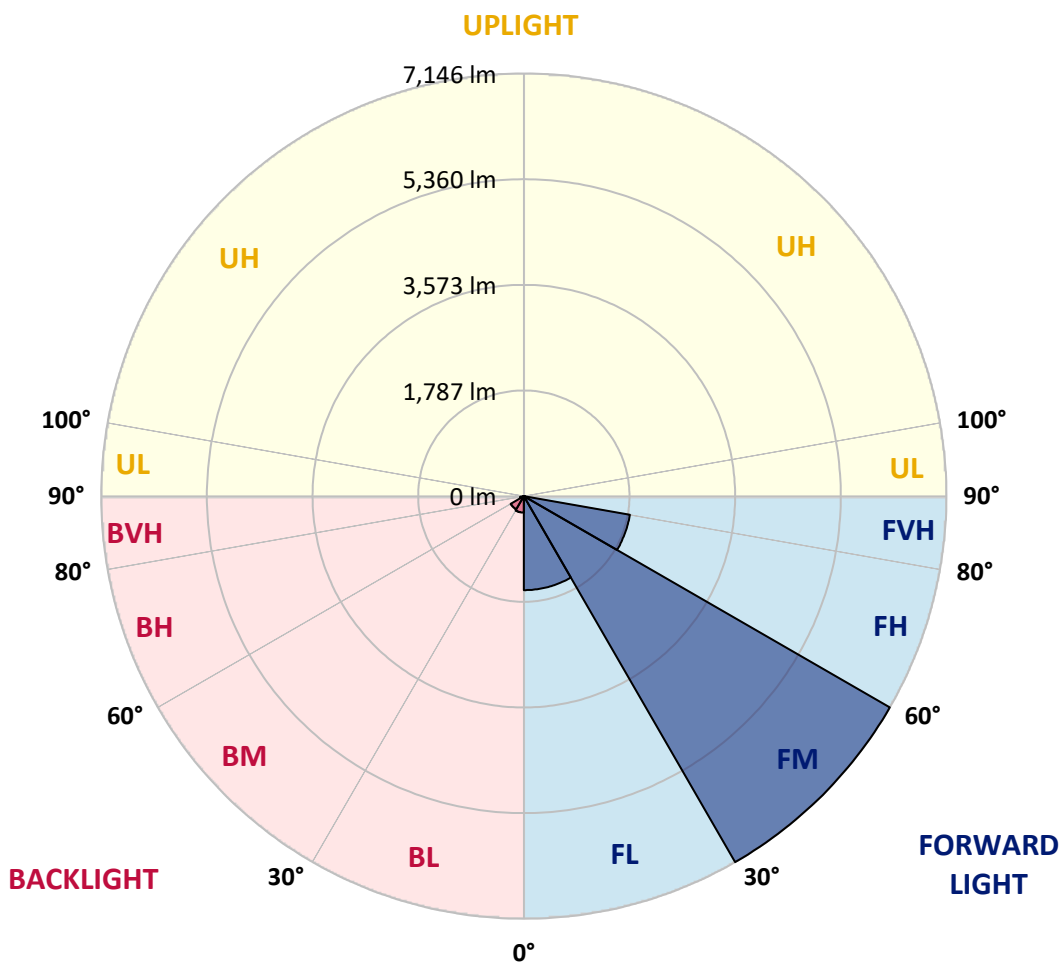


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1589.8	14.2			
FM (30°-60°)	7146.1	63.9			
FH (60°-80°)	1820.9	16.3			G2/5000
FVH (80°-90°)	21.9	0.2			G1/100
BL (0°-30°)	279.0	2.5	B1/500		
BM (30°-60°)	257.5	2.3	B1/1000		
BH (60°-80°)	66.1	0.6	B0/110		G0/110
BVH (80°-90°)	1.9	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°	53°	55°	65°	75°	85°
0°	2617.1	2617.1	2617.1	2617.1	2617.1	2617.1	2617.1	2617.1	2617.1	2617.1	2617.1
2.5°	3138.4	3119.8	3130.5	3102.1	3050.2	2985.5	2888.5	2893.4	2817.0	2750.4	2658.3
5°	3656.7	3637.1	3631.2	3558.7	3486.2	3369.6	3225.6	3202.1	3062.0	2892.5	2699.4
7.5°	3930.1	3913.4	3926.2	3899.7	3828.2	3722.4	3540.1	3522.5	3305.9	3049.2	2765.1
10°	3804.7	3798.8	3852.7	3915.4	3973.2	3960.5	3814.5	3787.0	3544.0	3221.7	2832.7
12.5°	3467.6	3486.2	3554.8	3670.4	3848.8	4016.3	3992.8	3997.7	3787.0	3408.8	2907.1
15°	3269.7	3292.2	3331.4	3391.2	3610.7	3908.5	4060.4	4109.4	4020.2	3617.5	2995.3
17.5°	3253.0	3271.6	3277.5	3300.1	3428.4	3735.1	4033.0	4126.1	4228.0	3814.5	3094.3
20°	3381.4	3389.2	3384.3	3367.7	3413.7	3641.0	3946.7	4080.0	4399.4	4024.2	3181.5
22.5°	3623.4	3611.6	3596.9	3535.2	3532.3	3667.5	3899.7	4038.8	4501.3	4197.6	3239.3
25°	3923.2	3898.7	3878.2	3791.0	3749.8	3805.6	3941.8	4053.5	4593.4	4366.1	3280.5
27.5°	4250.5	4258.3	4207.4	4089.8	4025.1	4013.4	4072.2	4155.4	4682.6	4517.0	3303.0
30°	4600.3	4604.2	4537.6	4416.1	4357.3	4281.8	4277.9	4327.9	4778.6	4690.4	3324.6
32.5°	4999.1	5009.9	4901.1	4774.7	4671.8	4573.8	4525.8	4568.0	4951.1	4916.8	3368.6
35°	5575.2	5528.2	5381.2	5190.1	5044.2	4915.8	4842.3	4869.7	5180.3	5188.2	3456.8
37.5°	6169.0	6164.1	6001.4	5726.1	5487.0	5327.3	5201.9	5247.0	5502.7	5551.7	3597.9
40°	6722.6	6735.3	6594.2	6354.2	6046.5	5772.2	5637.9	5668.3	5930.9	5992.6	3769.4
42.5°	7084.2	7077.3	7088.1	7019.5	6710.8	6387.5	6185.6	6202.3	6428.6	6461.0	3984.0
45°	7250.7	7224.3	7316.4	7533.9	7411.4	7071.4	6841.2	6820.6	6945.0	6936.2	4179.0
47.5°	7106.7	7057.7	7269.3	7793.5	8030.7	7927.8	7598.6	7561.3	7455.5	7385.0	4381.8
50°	6390.4	6368.9	6821.6	7670.1	8419.7	8719.5	8477.5	8339.3	7911.1	7716.1	4488.6
52.5°	5709.5	5649.7	5955.4	7040.1	8246.2	9356.4	9406.3	9160.4	8289.3	7811.2	4452.3
55°	4612.0	4538.6	4871.7	5783.9	7559.4	9437.7	10058.9	9930.5	8620.5	7693.6	4378.8
57.5°	2801.3	2728.8	3218.7	4142.7	6045.5	8761.6	9898.2	10028.5	8875.3	7564.3	4330.8
60°	1177.8	1131.7	1323.7	1977.3	3860.5	7200.8	9045.8	9371.1	8923.3	7386.9	4350.4
62.5°	612.4	591.8	602.6	791.7	1560.9	4741.4	7529.0	8095.3	8439.3	7308.5	4370.0
65°	459.5	443.9	409.6	435.0	606.5	2049.8	5410.6	6169.0	7389.9	7109.6	4237.8
67.5°	377.2	362.5	338.0	330.2	357.6	711.4	2762.1	3747.8	5790.8	6262.1	3763.5
70°	300.8	295.9	288.1	273.4	268.5	344.9	990.6	1527.6	3829.2	4416.1	2727.8
72.5°	250.8	251.8	243.0	230.3	212.6	222.4	394.9	522.2	1852.9	2117.4	1142.5
75°	209.7	209.7	212.6	195.0	177.3	152.9	219.5	254.8	594.8	488.9	244.0
77.5°	164.6	166.6	179.3	164.6	142.1	96.0	119.5	136.2	176.4	141.1	89.2
80°	131.3	129.3	124.4	148.0	127.4	67.6	56.8	62.7	82.3	67.6	44.1
82.5°	92.1	91.1	87.2	99.9	99.0	50.0	37.2	38.2	50.0	43.1	27.4
85°	22.5	26.5	55.9	47.0	41.2	29.4	22.5	24.5	32.3	28.4	14.7
87.5°	9.8	9.8	25.5	30.4	19.6	12.7	9.8	10.8	16.7	16.7	8.8
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°	2617.1	2617.1	2617.1	2617.1	2617.1	2617.1	2617.1	2617.1	2617.1	2617.1	2617.1
2.5°	2625.9	2562.2	2481.9	2396.7	2309.5	2204.6	2138.0	2083.1	2040.0	2006.7	1994.9
5°	2635.7	2513.3	2331.0	2104.7	1874.4	1658.8	1492.3	1368.8	1266.9	1211.1	1186.6
7.5°	2634.8	2472.1	2142.9	1763.7	1389.4	1078.8	858.3	722.1	631.0	593.8	571.2
10°	2633.8	2418.2	1928.3	1385.5	928.9	625.1	460.5	384.1	350.8	338.0	336.1
12.5°	2662.2	2356.5	1688.2	1020.0	583.0	389.0	320.4	302.8	294.9	291.0	290.0
15°	2677.9	2299.7	1435.4	720.2	392.9	307.7	286.1	278.3	275.3	273.4	272.4
17.5°	2694.5	2211.5	1195.4	521.3	314.5	279.3	266.5	261.6	259.7	259.7	259.7
20°	2697.5	2116.4	957.3	384.1	279.3	260.6	247.9	243.0	240.1	238.1	238.1
22.5°	2675.9	2003.7	752.5	311.6	258.7	243.0	229.3	221.4	216.5	215.6	215.6
25°	2622.0	1844.0	577.1	273.4	242.0	225.4	208.7	199.9	196.0	196.0	196.0
27.5°	2544.6	1655.9	445.8	243.0	220.5	203.8	189.1	181.3	180.3	179.3	180.3
30°	2456.4	1474.6	341.0	215.6	195.0	181.3	169.5	165.6	167.6	167.6	168.5
32.5°	2368.2	1293.4	266.5	194.0	172.4	160.7	154.8	154.8	157.8	157.8	157.8
35°	2292.8	1116.0	223.4	176.4	156.8	147.0	144.0	147.0	148.9	149.9	149.9
37.5°	2250.7	963.2	196.9	160.7	144.0	136.2	135.2	138.2	142.1	145.0	146.0
40°	2235.0	845.6	181.3	148.9	132.3	127.4	126.4	130.3	137.2	142.1	143.1
42.5°	2236.0	741.7	167.6	137.2	124.4	117.6	117.6	123.5	130.3	135.2	135.2
45°	2242.8	652.6	153.8	125.4	117.6	105.8	106.8	114.6	119.5	124.4	124.4
47.5°	2248.7	581.0	139.1	112.7	101.9	96.0	98.0	103.9	110.7	118.6	118.6
50°	2214.4	530.1	124.4	99.0	89.2	87.2	91.1	96.0	105.8	113.7	114.6
52.5°	2132.1	484.0	111.7	88.2	80.3	81.3	86.2	89.2	97.0	98.0	99.0
55°	2095.9	460.5	101.9	80.3	73.5	76.4	79.4	80.3	78.4	73.5	73.5
57.5°	2088.0	444.8	92.1	72.5	67.6	71.5	70.5	64.7	58.8	52.9	51.9
60°	2095.9	423.3	84.3	62.7	61.7	62.7	59.8	49.0	41.2	37.2	35.3
62.5°	2050.8	391.9	77.4	53.9	53.9	52.9	45.1	33.3	26.5	23.5	22.5
65°	1901.8	330.2	70.5	45.1	44.1	42.1	30.4	22.5	17.6	14.7	13.7
67.5°	1608.9	255.7	63.7	37.2	35.3	29.4	19.6	14.7	9.8	8.8	7.8
70°	1097.4	158.7	53.9	29.4	26.5	18.6	11.8	8.8	5.9	4.9	3.9
72.5°	397.8	92.1	45.1	22.5	17.6	11.8	6.9	3.9	2.9	2.9	2.0
75°	94.1	64.7	34.3	16.7	11.8	6.9	3.9	2.9	2.0	2.0	1.0
77.5°	43.1	50.0	22.5	9.8	7.8	4.9	2.9	2.0	1.0	1.0	0.0
80°	24.5	35.3	10.8	6.9	5.9	3.9	2.0	1.0	1.0	0.0	0.0
82.5°	12.7	19.6	7.8	5.9	4.9	2.9	2.0	0.0	0.0	0.0	0.0
85°	8.8	9.8	5.9	4.9	3.9	2.9	2.0	0.0	0.0	0.0	0.0
87.5°	6.9	6.9	5.9	4.9	3.9	2.9	1.0	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)