

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: P674434

Luminaire Tested: **CCP-SA-2D-750-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674434
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-750-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

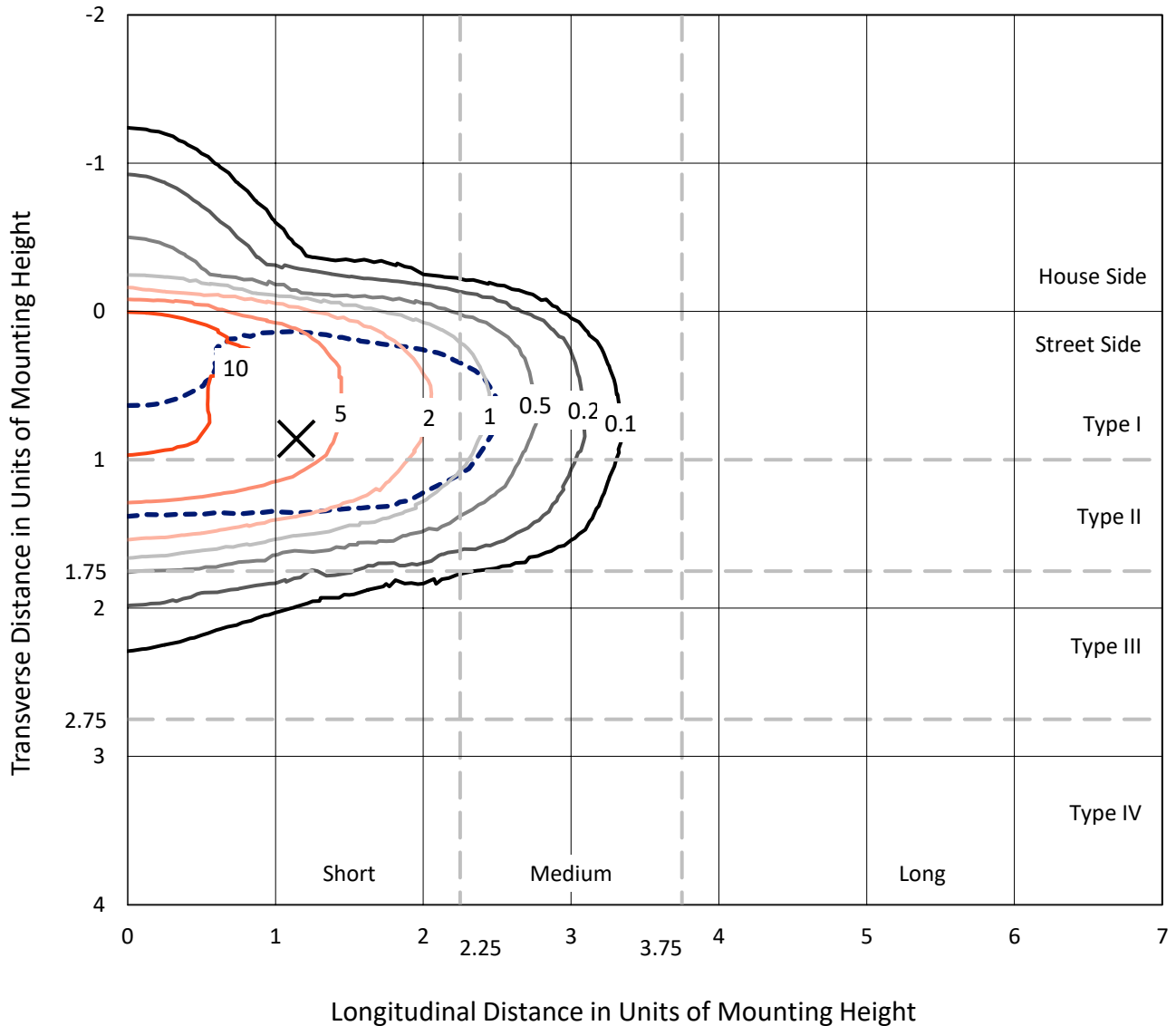
Lumens per Lamp: N/A
Luminaire Lumens: 9460.3 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

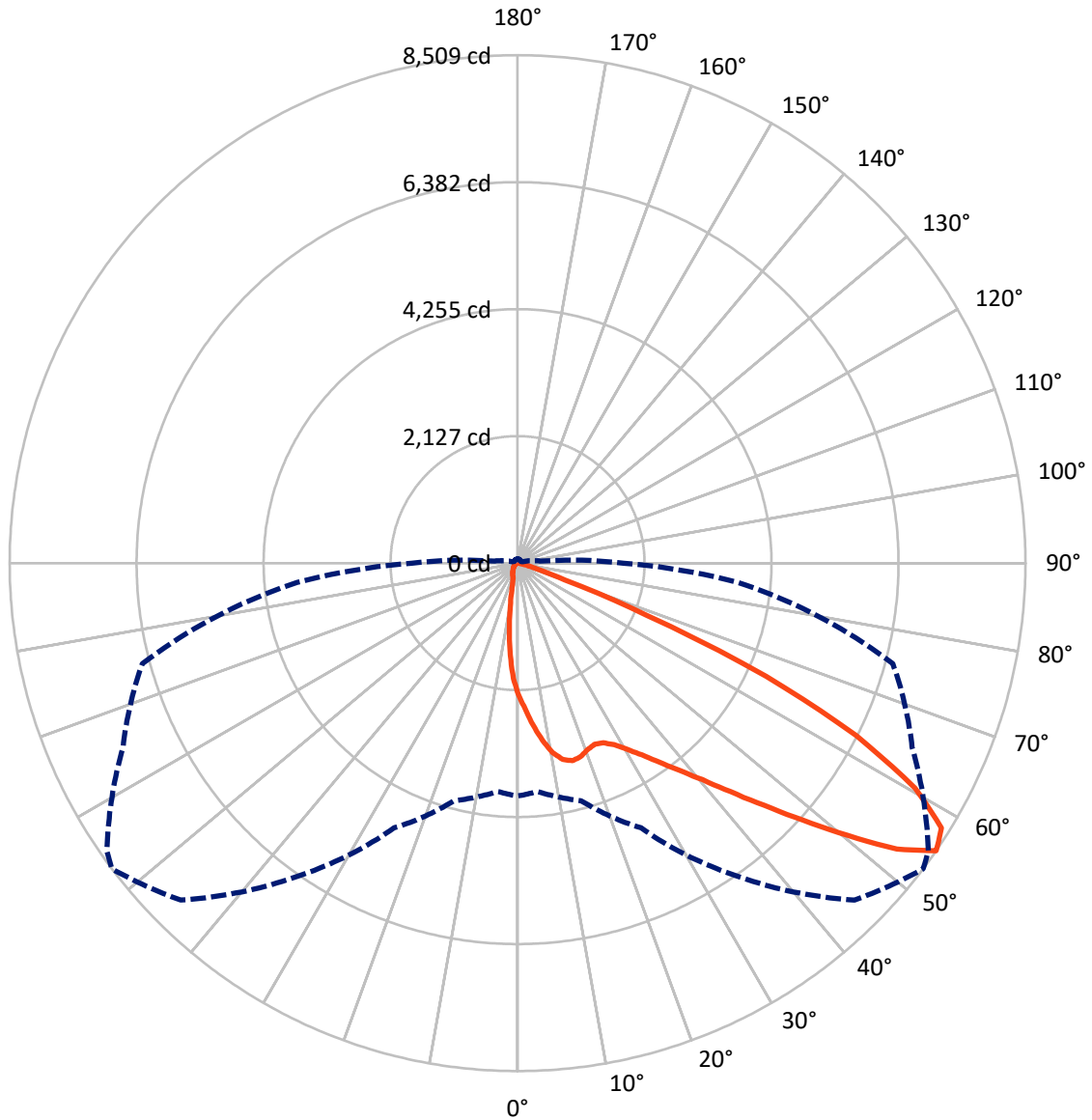
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 14.3 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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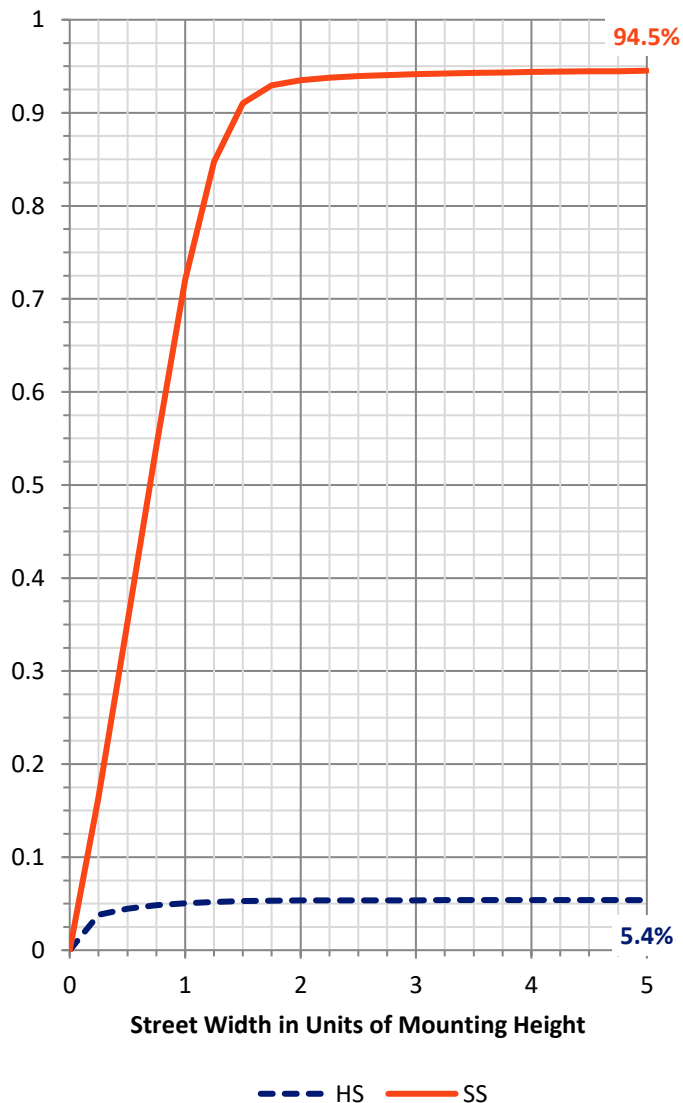
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	511.4	0.0	511.4
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	8949.0	0.0	8949.0
	% Fixture	94.6	0.0	94.6
Total	Lumens	9460.3	0.0	9460.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.9	2.1
10°-20°	517.2	5.5
20°-30°	865.7	9.2
30°-40°	1416.2	15.0
40°-50°	2276.5	24.1
50°-60°	2570.3	27.2
60°-70°	1371.0	14.5
70°-80°	225.3	2.4
80°-90°	20.2	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°	9460.3	100.0
0°-180°	9460.3	100.0



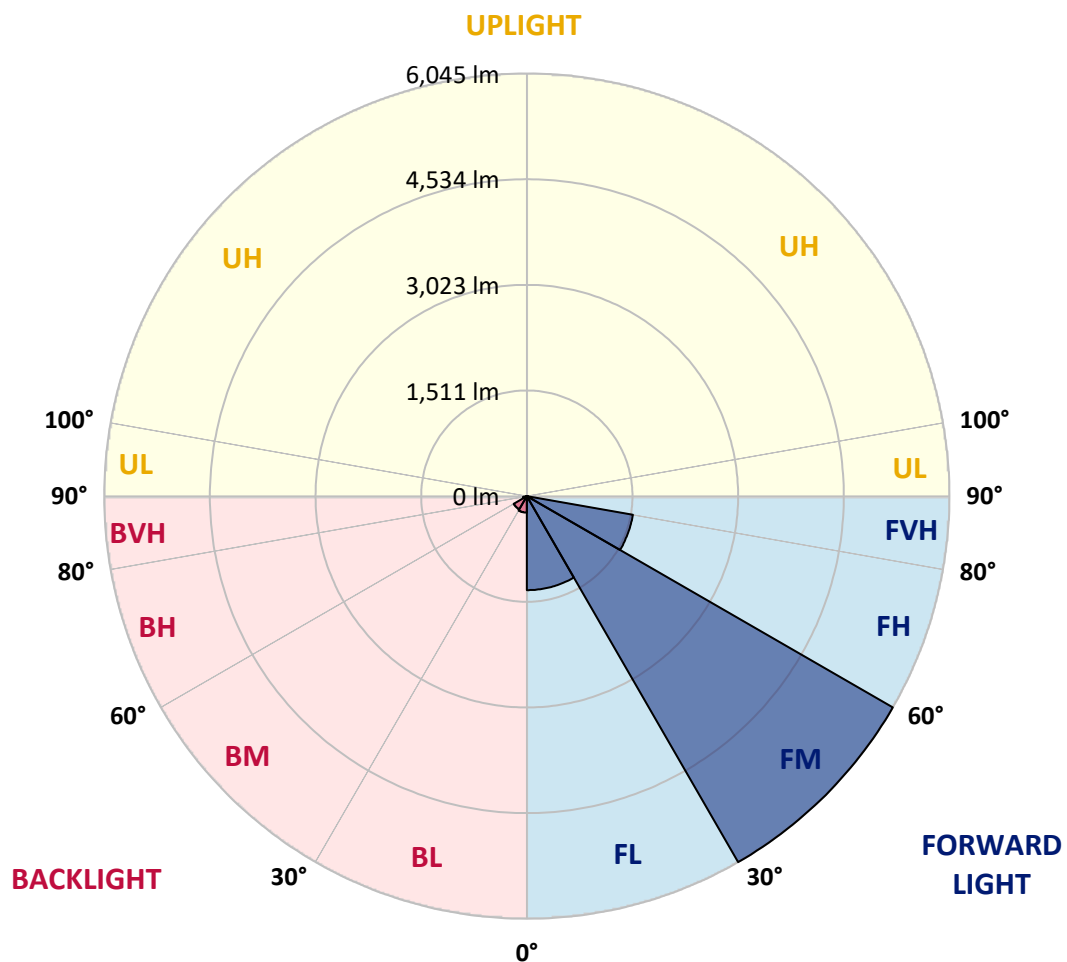
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1344.8	14.2			
FM (30°-60°)	6045.2	63.9			
FH (60°-80°)	1540.4	16.3			G1/1800
FVH (80°-90°)	18.5	0.2			G1/100
BL (0°-30°)	236.0	2.5	B1/500		
BM (30°-60°)	217.9	2.3	B0/220		
BH (60°-80°)	55.9	0.6	B0/110		G0/110
BVH (80°-90°)	1.6	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9
2.5°	2654.9	2639.2	2648.3	2624.2	2580.3	2525.6	2443.5	2447.7	2383.0	2326.7	2248.7
5°	3093.4	3076.8	3071.8	3010.5	2949.2	2850.5	2728.7	2708.8	2590.2	2446.9	2283.6
7.5°	3324.6	3310.5	3321.3	3298.9	3238.4	3148.9	2994.7	2979.8	2796.6	2579.5	2339.1
10°	3218.5	3213.6	3259.2	3312.2	3361.1	3350.3	3226.8	3203.6	2998.1	2725.4	2396.3
12.5°	2933.4	2949.2	3007.2	3105.0	3255.8	3397.6	3377.7	3381.8	3203.6	2883.7	2459.3
15°	2766.0	2785.0	2818.2	2868.8	3054.4	3306.4	3434.9	3476.3	3400.9	3060.2	2533.9
17.5°	2751.9	2767.6	2772.6	2791.7	2900.2	3159.7	3411.7	3490.4	3576.6	3226.8	2617.6
20°	2860.5	2867.1	2862.9	2848.9	2887.8	3080.1	3338.7	3451.5	3721.7	3404.2	2691.4
22.5°	3065.2	3055.2	3042.8	2990.6	2988.1	3102.5	3298.9	3416.6	3807.9	3550.9	2740.3
25°	3318.8	3298.1	3280.7	3206.9	3172.1	3219.4	3334.6	3429.1	3885.8	3693.5	2775.1
27.5°	3595.7	3602.3	3559.2	3459.7	3405.0	3395.1	3444.8	3515.3	3961.2	3821.1	2794.2
30°	3891.6	3894.9	3838.5	3735.8	3686.0	3622.2	3618.9	3661.2	4042.4	3967.8	2812.4
32.5°	4228.9	4238.1	4146.1	4039.1	3952.1	3869.2	3828.6	3864.2	4188.3	4159.3	2849.7
35°	4716.3	4676.5	4552.2	4390.6	4267.1	4158.5	4096.3	4119.5	4382.3	4388.9	2924.3
37.5°	5218.6	5214.5	5076.9	4844.0	4641.7	4506.6	4400.5	4438.6	4655.0	4696.4	3043.6
40°	5686.9	5697.7	5578.4	5375.3	5115.0	4882.9	4769.4	4795.1	5017.2	5069.4	3188.7
42.5°	5992.8	5987.0	5996.1	5938.1	5677.0	5403.5	5232.7	5246.8	5438.3	5465.6	3370.2
45°	6133.7	6111.3	6189.2	6373.3	6269.6	5982.0	5787.2	5769.8	5875.1	5867.6	3535.2
47.5°	6011.9	5970.4	6149.5	6592.9	6793.5	6706.5	6428.0	6396.5	6306.9	6247.3	3706.7
50°	5405.9	5387.7	5770.7	6488.5	7122.6	7376.2	7171.5	7054.6	6692.4	6527.4	3797.1
52.5°	4829.9	4779.3	5037.9	5955.5	6975.8	7915.0	7957.2	7749.2	7012.3	6607.8	3766.4
55°	3901.5	3839.4	4121.2	4892.9	6394.8	7983.8	8509.3	8400.7	7292.5	6508.4	3704.3
57.5°	2369.8	2308.4	2722.9	3504.5	5114.2	7411.8	8373.3	8483.6	7508.0	6398.9	3663.6
60°	996.3	957.4	1119.8	1672.7	3265.8	6091.4	7652.2	7927.4	7548.6	6248.9	3680.2
62.5°	518.0	500.6	509.8	669.7	1320.4	4010.9	6369.1	6848.2	7139.1	6182.6	3696.8
65°	388.7	375.5	346.5	368.0	513.1	1734.0	4577.1	5218.6	6251.4	6014.3	3584.9
67.5°	319.1	306.7	286.0	279.3	302.5	601.8	2336.6	3170.5	4898.7	5297.4	3183.7
70°	254.5	250.3	243.7	231.3	227.1	291.8	838.0	1292.2	3239.3	3735.8	2307.6
72.5°	212.2	213.0	205.6	194.8	179.9	188.2	334.0	441.8	1567.4	1791.2	966.5
75°	177.4	177.4	179.9	164.9	150.0	129.3	185.7	215.5	503.1	413.6	206.4
77.5°	139.3	140.9	151.7	139.3	120.2	81.2	101.1	115.2	149.2	119.4	75.4
80°	111.1	109.4	105.3	125.2	107.8	57.2	48.1	53.0	69.6	57.2	37.3
82.5°	77.9	77.1	73.8	84.5	83.7	42.3	31.5	32.3	42.3	36.5	23.2
85°	19.1	22.4	47.2	39.8	34.8	24.9	19.1	20.7	27.4	24.0	12.4
87.5°	8.3	8.3	21.6	25.7	16.6	10.8	8.3	9.1	14.1	14.1	7.5
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°	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9
2.5°	2221.4	2167.5	2099.6	2027.4	1953.7	1865.0	1808.6	1762.2	1725.7	1697.5	1687.6
5°	2229.7	2126.1	1971.9	1780.4	1585.6	1403.3	1262.4	1157.9	1071.7	1024.5	1003.8
7.5°	2228.9	2091.3	1812.8	1492.0	1175.4	912.6	726.1	610.9	533.8	502.3	483.2
10°	2228.0	2045.7	1631.2	1172.0	785.8	528.8	389.6	324.9	296.7	286.0	284.3
12.5°	2252.1	1993.5	1428.2	862.9	493.2	329.1	271.0	256.1	249.5	246.2	245.3
15°	2265.3	1945.4	1214.3	609.2	332.4	260.3	242.0	235.4	232.9	231.3	230.4
17.5°	2279.4	1870.8	1011.2	441.0	266.1	236.2	225.5	221.3	219.7	219.7	219.7
20°	2281.9	1790.4	809.8	324.9	236.2	220.5	209.7	205.6	203.1	201.4	201.4
22.5°	2263.7	1695.1	636.6	263.6	218.8	205.6	194.0	187.3	183.2	182.4	182.4
25°	2218.1	1560.0	488.2	231.3	204.7	190.6	176.6	169.1	165.8	165.8	165.8
27.5°	2152.6	1400.8	377.1	205.6	186.5	172.4	160.0	153.3	152.5	151.7	152.5
30°	2078.0	1247.5	288.4	182.4	164.9	153.3	143.4	140.1	141.7	141.7	142.6
32.5°	2003.4	1094.1	225.5	164.1	145.9	135.9	131.0	131.0	133.4	133.4	133.4
35°	1939.6	944.1	189.0	149.2	132.6	124.3	121.8	124.3	126.0	126.8	126.8
37.5°	1903.9	814.8	166.6	135.9	121.8	115.2	114.4	116.9	120.2	122.7	123.5
40°	1890.7	715.3	153.3	126.0	111.9	107.8	106.9	110.2	116.0	120.2	121.0
42.5°	1891.5	627.5	141.7	116.0	105.3	99.5	99.5	104.4	110.2	114.4	114.4
45°	1897.3	552.0	130.1	106.1	99.5	89.5	90.3	97.0	101.1	105.3	105.3
47.5°	1902.3	491.5	117.7	95.3	86.2	81.2	82.9	87.9	93.7	100.3	100.3
50°	1873.3	448.4	105.3	83.7	75.4	73.8	77.1	81.2	89.5	96.1	97.0
52.5°	1803.6	409.5	94.5	74.6	68.0	68.8	72.9	75.4	82.1	82.9	83.7
55°	1773.0	389.6	86.2	68.0	62.2	64.7	67.1	68.0	66.3	62.2	62.2
57.5°	1766.3	376.3	77.9	61.3	57.2	60.5	59.7	54.7	49.7	44.8	43.9
60°	1773.0	358.1	71.3	53.0	52.2	53.0	50.6	41.4	34.8	31.5	29.8
62.5°	1734.8	331.6	65.5	45.6	45.6	44.8	38.1	28.2	22.4	19.9	19.1
65°	1608.9	279.3	59.7	38.1	37.3	35.6	25.7	19.1	14.9	12.4	11.6
67.5°	1361.0	216.3	53.9	31.5	29.8	24.9	16.6	12.4	8.3	7.5	6.6
70°	928.3	134.3	45.6	24.9	22.4	15.7	9.9	7.5	5.0	4.1	3.3
72.5°	336.5	77.9	38.1	19.1	14.9	9.9	5.8	3.3	2.5	2.5	1.7
75°	79.6	54.7	29.0	14.1	9.9	5.8	3.3	2.5	1.7	1.7	0.8
77.5°	36.5	42.3	19.1	8.3	6.6	4.1	2.5	1.7	0.8	0.8	0.0
80°	20.7	29.8	9.1	5.8	5.0	3.3	1.7	0.8	0.8	0.0	0.0
82.5°	10.8	16.6	6.6	5.0	4.1	2.5	1.7	0.0	0.0	0.0	0.0
85°	7.5	8.3	5.0	4.1	3.3	2.5	1.7	0.0	0.0	0.0	0.0
87.5°	5.8	5.8	5.0	4.1	3.3	2.5	0.8	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)