

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: P674444

Luminaire Tested: **CCP-SA-2C-760-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674444
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-760-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

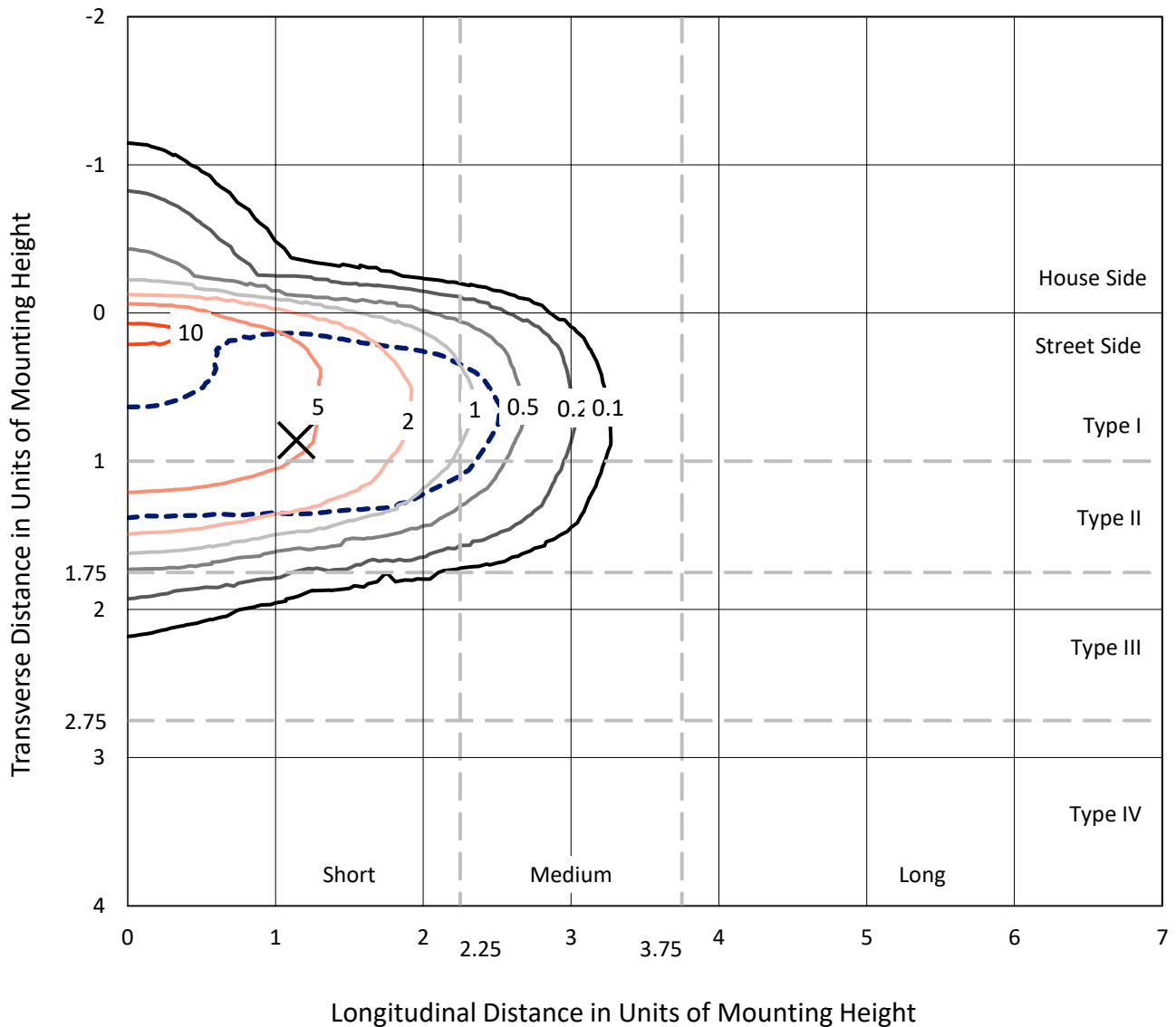
Lumens per Lamp: N/A
Luminaire Lumens: 7669.5 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1
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

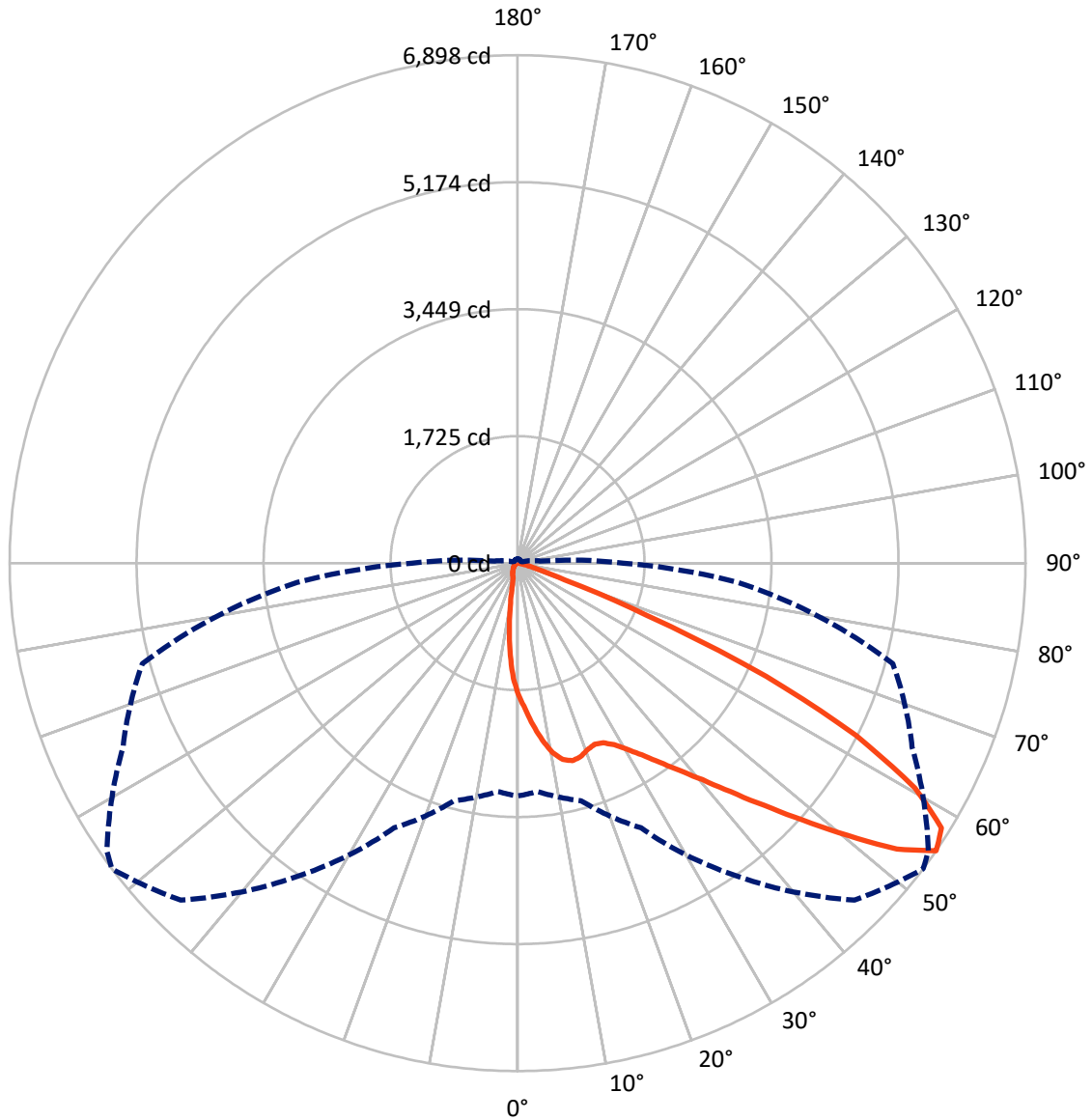
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.6 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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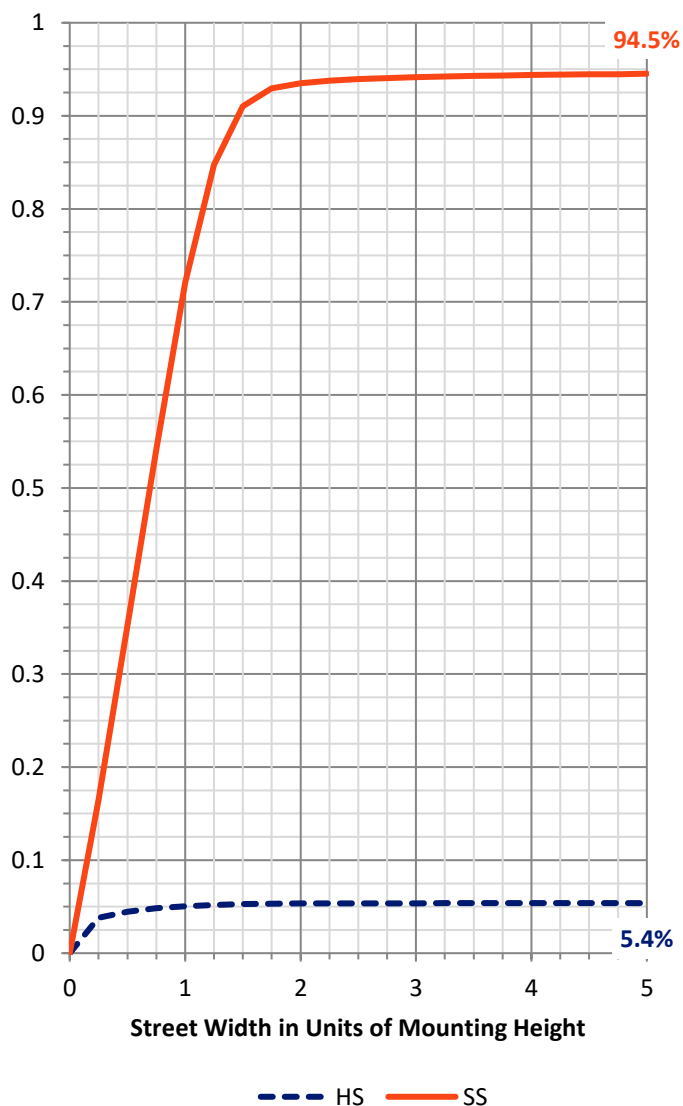
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	414.6	0.0	414.6
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	7254.9	0.0	7254.9
	% Fixture	94.6	0.0	94.6
Total	Lumens	7669.5	0.0	7669.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	2.1
10°-20°	419.3	5.5
20°-30°	701.8	9.2
30°-40°	1148.1	15.0
40°-50°	1845.6	24.1
50°-60°	2083.7	27.2
60°-70°	1111.5	14.5
70°-80°	182.6	2.4
80°-90°	16.3	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°	7669.5	100.0
0°-180°	7669.5	100.0



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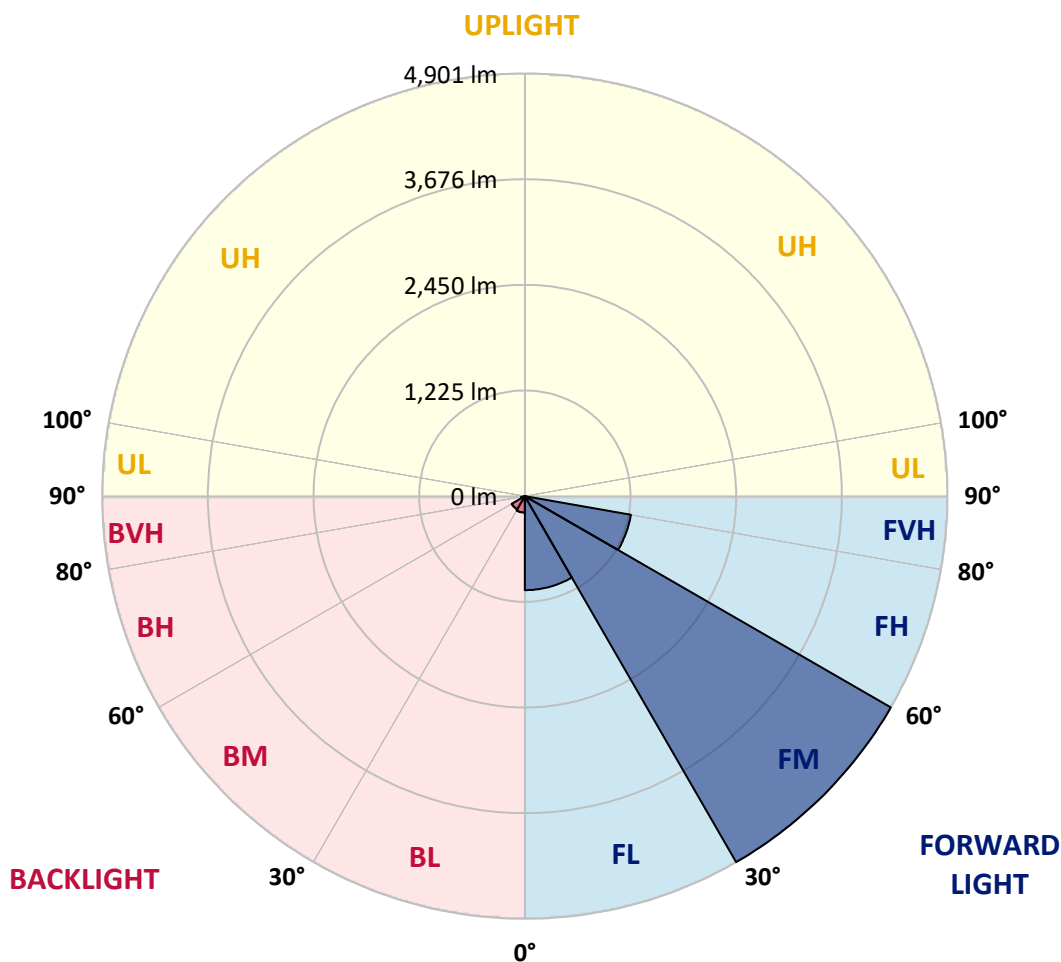
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1090.3	14.2			
FM (30°-60°)	4900.8	63.9			
FH (60°-80°)	1248.8	16.3			G1/1800
FVH (80°-90°)	15.0	0.2			G1/100
BL (0°-30°)	191.3	2.5	B1/500		
BM (30°-60°)	176.6	2.3	B0/220		
BH (60°-80°)	45.3	0.6	B0/110		G0/110
BVH (80°-90°)	1.3	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°	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8
2.5°	2152.3	2139.6	2146.9	2127.5	2091.8	2047.5	1981.0	1984.3	1931.9	1886.2	1823.1
5°	2507.8	2494.4	2490.3	2440.6	2390.9	2310.9	2212.1	2196.0	2099.9	1983.7	1851.3
7.5°	2695.3	2683.8	2692.6	2674.4	2625.4	2552.8	2427.8	2415.7	2267.2	2091.2	1896.3
10°	2609.3	2605.2	2642.2	2685.2	2724.8	2716.1	2616.0	2597.2	2430.5	2209.4	1942.7
12.5°	2378.1	2390.9	2437.9	2517.2	2639.5	2754.4	2738.3	2741.6	2597.2	2337.8	1993.7
15°	2242.4	2257.8	2284.7	2325.7	2476.2	2680.5	2784.6	2818.2	2757.1	2480.9	2054.2
17.5°	2230.9	2243.7	2247.7	2263.2	2351.2	2561.5	2765.8	2829.7	2899.5	2616.0	2122.1
20°	2319.0	2324.3	2321.0	2309.6	2341.1	2497.0	2706.7	2798.1	3017.1	2759.8	2181.9
22.5°	2484.9	2476.9	2466.8	2424.5	2422.4	2515.2	2674.4	2769.9	3087.0	2878.7	2221.5
25°	2690.6	2673.8	2659.7	2599.8	2571.6	2609.9	2703.3	2779.9	3150.2	2994.3	2249.8
27.5°	2915.0	2920.4	2885.4	2804.8	2760.5	2752.4	2792.7	2849.8	3211.3	3097.8	2265.2
30°	3154.9	3157.6	3111.9	3028.6	2988.2	2936.5	2933.8	2968.1	3277.2	3216.7	2280.0
32.5°	3428.4	3435.8	3361.2	3274.5	3204.0	3136.8	3103.8	3132.7	3395.5	3371.9	2310.2
35°	3823.5	3791.3	3690.5	3559.4	3459.3	3371.3	3320.9	3339.7	3552.7	3558.1	2370.7
37.5°	4230.7	4227.4	4115.8	3927.0	3763.0	3653.5	3567.5	3598.4	3773.8	3807.4	2467.5
40°	4610.4	4619.1	4522.4	4357.7	4146.7	3958.6	3866.5	3887.3	4067.4	4109.8	2585.1
42.5°	4858.3	4853.6	4861.0	4814.0	4602.3	4380.6	4242.1	4253.6	4408.8	4431.0	2732.2
45°	4972.6	4954.4	5017.6	5166.8	5082.8	4849.6	4691.7	4677.6	4762.9	4756.9	2865.9
47.5°	4873.8	4840.2	4985.3	5344.8	5507.5	5436.9	5211.1	5185.6	5113.0	5064.6	3005.0
50°	4382.6	4367.8	4678.3	5260.2	5774.2	5979.9	5813.9	5719.1	5425.5	5291.8	3078.3
52.5°	3915.6	3874.6	4084.2	4828.1	5655.3	6416.6	6450.9	6282.2	5684.9	5356.9	3053.4
55°	3163.0	3112.6	3341.0	3966.6	5184.2	6472.4	6898.4	6810.4	5912.0	5276.3	3003.0
57.5°	1921.2	1871.4	2207.4	2841.1	4146.1	6008.8	6788.2	6877.6	6086.7	5187.6	2970.1
60°	807.7	776.1	907.8	1356.0	2647.6	4938.3	6203.6	6426.7	6119.6	5066.0	2983.5
62.5°	420.0	405.9	413.3	543.0	1070.4	3251.7	5163.4	5551.8	5787.7	5012.2	2997.0
65°	315.2	304.4	280.9	298.4	415.9	1405.8	3710.6	4230.7	5068.0	4875.8	2906.3
67.5°	258.7	248.6	231.8	226.5	245.3	487.8	1894.3	2570.3	3971.3	4294.6	2581.0
70°	206.3	202.9	197.6	187.5	184.1	236.5	679.4	1047.6	2626.1	3028.6	1870.8
72.5°	172.0	172.7	166.6	157.9	145.8	152.5	270.8	358.2	1270.7	1452.1	783.5
75°	143.8	143.8	145.8	133.7	121.6	104.8	150.5	174.7	407.9	335.3	167.3
77.5°	112.9	114.2	123.0	112.9	97.4	65.9	82.0	93.4	121.0	96.8	61.1
80°	90.0	88.7	85.3	101.5	87.4	46.4	39.0	43.0	56.4	46.4	30.2
82.5°	63.2	62.5	59.8	68.5	67.9	34.3	25.5	26.2	34.3	29.6	18.8
85°	15.5	18.1	38.3	32.3	28.2	20.2	15.5	16.8	22.2	19.5	10.1
87.5°	6.7	6.7	17.5	20.8	13.4	8.7	6.7	7.4	11.4	11.4	6.0
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°	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8
2.5°	1800.9	1757.2	1702.1	1643.6	1583.8	1511.9	1466.2	1428.6	1399.0	1376.2	1368.1
5°	1807.6	1723.6	1598.6	1443.4	1285.5	1137.6	1023.4	938.7	868.9	830.6	813.8
7.5°	1806.9	1695.4	1469.6	1209.5	952.9	739.8	588.6	495.2	432.7	407.2	391.8
10°	1806.3	1658.4	1322.4	950.2	637.0	428.7	315.8	263.4	240.6	231.8	230.5
12.5°	1825.7	1616.1	1157.8	699.5	399.8	266.8	219.7	207.6	202.3	199.6	198.9
15°	1836.5	1577.1	984.4	493.9	269.5	211.0	196.2	190.8	188.8	187.5	186.8
17.5°	1847.9	1516.6	819.8	357.5	215.7	191.5	182.8	179.4	178.1	178.1	178.1
20°	1849.9	1451.5	656.5	263.4	191.5	178.7	170.0	166.6	164.6	163.3	163.3
22.5°	1835.1	1374.2	516.1	213.7	177.4	166.6	157.2	151.9	148.5	147.8	147.8
25°	1798.2	1264.6	395.8	187.5	166.0	154.6	143.1	137.1	134.4	134.4	134.4
27.5°	1745.1	1135.6	305.7	166.6	151.2	139.8	129.7	124.3	123.6	123.0	123.6
30°	1684.6	1011.3	233.8	147.8	133.7	124.3	116.3	113.6	114.9	114.9	115.6
32.5°	1624.2	887.0	182.8	133.0	118.3	110.2	106.2	106.2	108.2	108.2	108.2
35°	1572.4	765.4	153.2	121.0	107.5	100.8	98.8	100.8	102.1	102.8	102.8
37.5°	1543.5	660.5	135.1	110.2	98.8	93.4	92.7	94.7	97.4	99.5	100.1
40°	1532.8	579.9	124.3	102.1	90.7	87.4	86.7	89.4	94.1	97.4	98.1
42.5°	1533.4	508.7	114.9	94.1	85.3	80.6	80.6	84.7	89.4	92.7	92.7
45°	1538.1	447.5	105.5	86.0	80.6	72.6	73.2	78.6	82.0	85.3	85.3
47.5°	1542.2	398.5	95.4	77.3	69.9	65.9	67.2	71.2	75.9	81.3	81.3
50°	1518.7	363.5	85.3	67.9	61.1	59.8	62.5	65.9	72.6	77.9	78.6
52.5°	1462.2	332.0	76.6	60.5	55.1	55.8	59.1	61.1	66.5	67.2	67.9
55°	1437.3	315.8	69.9	55.1	50.4	52.4	54.4	55.1	53.8	50.4	50.4
57.5°	1432.0	305.1	63.2	49.7	46.4	49.1	48.4	44.3	40.3	36.3	35.6
60°	1437.3	290.3	57.8	43.0	42.3	43.0	41.0	33.6	28.2	25.5	24.2
62.5°	1406.4	268.8	53.1	37.0	37.0	36.3	30.9	22.8	18.1	16.1	15.5
65°	1304.3	226.5	48.4	30.9	30.2	28.9	20.8	15.5	12.1	10.1	9.4
67.5°	1103.4	175.4	43.7	25.5	24.2	20.2	13.4	10.1	6.7	6.0	5.4
70°	752.6	108.9	37.0	20.2	18.1	12.8	8.1	6.0	4.0	3.4	2.7
72.5°	272.8	63.2	30.9	15.5	12.1	8.1	4.7	2.7	2.0	2.0	1.3
75°	64.5	44.3	23.5	11.4	8.1	4.7	2.7	2.0	1.3	1.3	0.7
77.5°	29.6	34.3	15.5	6.7	5.4	3.4	2.0	1.3	0.7	0.7	0.0
80°	16.8	24.2	7.4	4.7	4.0	2.7	1.3	0.7	0.7	0.0	0.0
82.5°	8.7	13.4	5.4	4.0	3.4	2.0	1.3	0.0	0.0	0.0	0.0
85°	6.0	6.7	4.0	3.4	2.7	2.0	1.3	0.0	0.0	0.0	0.0
87.5°	4.7	4.7	4.0	3.4	2.7	2.0	0.7	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)