

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: P674422

Luminaire Tested: **CCP-SA-2C-740-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674422
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-740-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

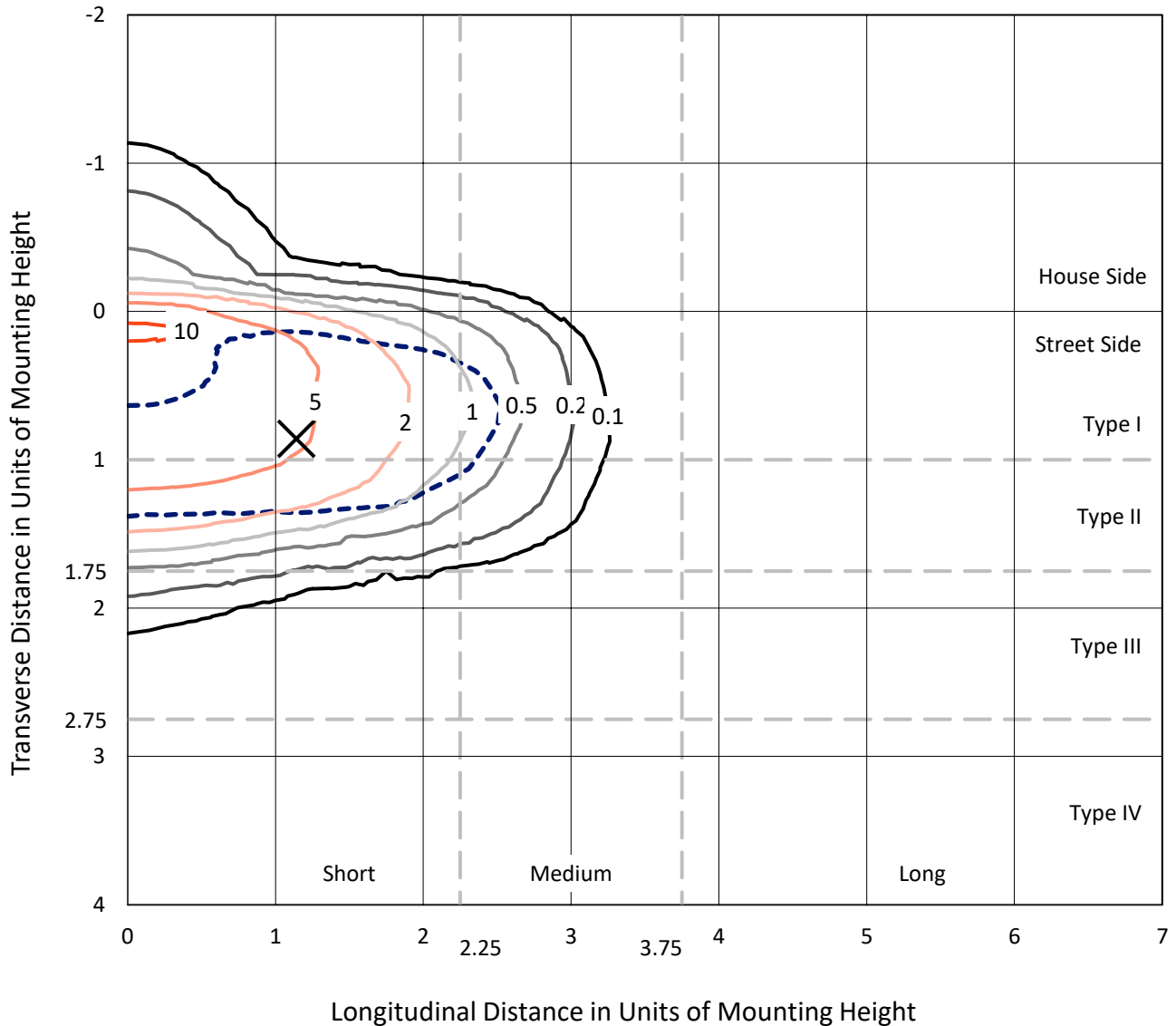
Lumens per Lamp: N/A
Luminaire Lumens: 7497.8 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

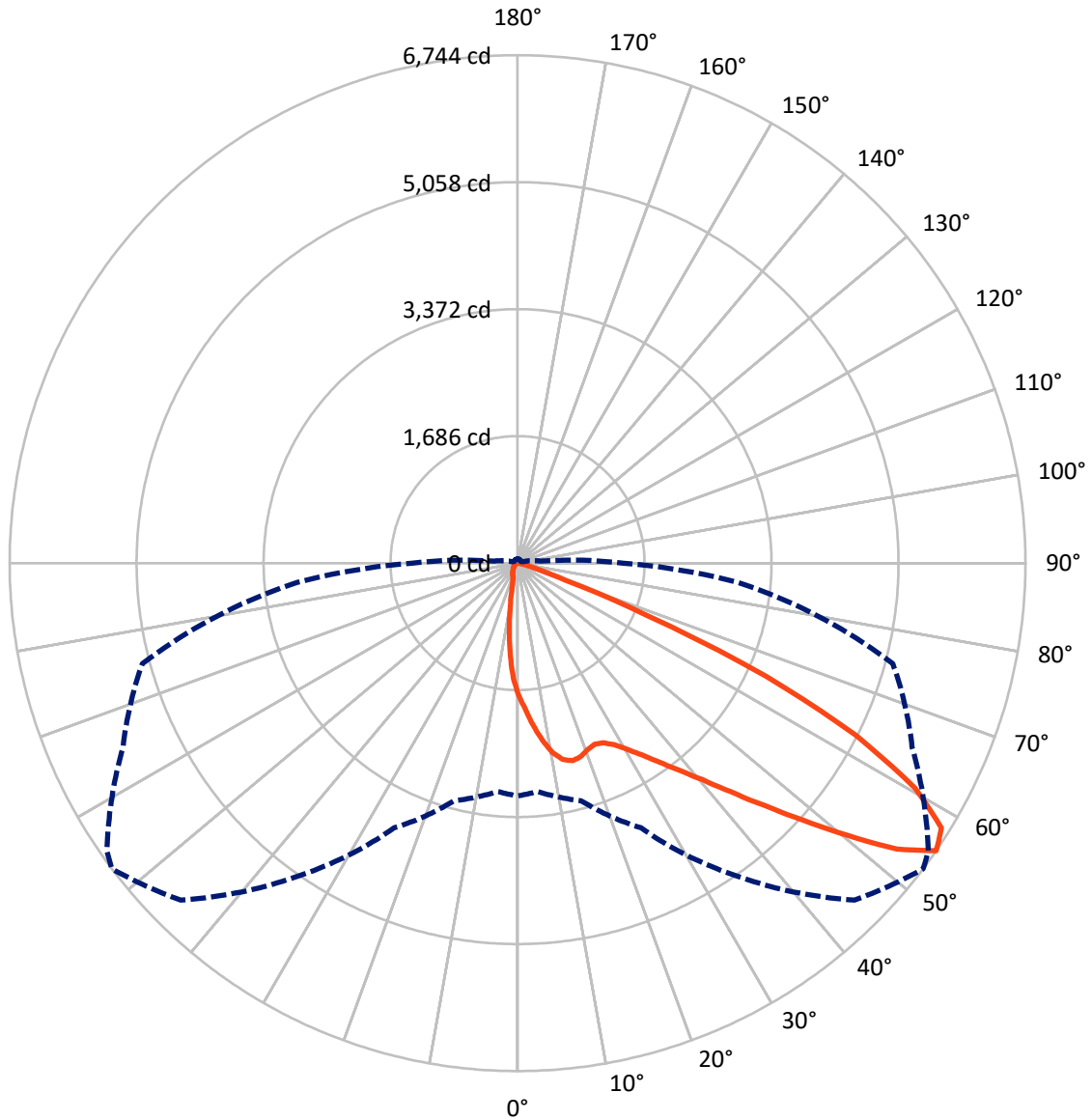
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.3 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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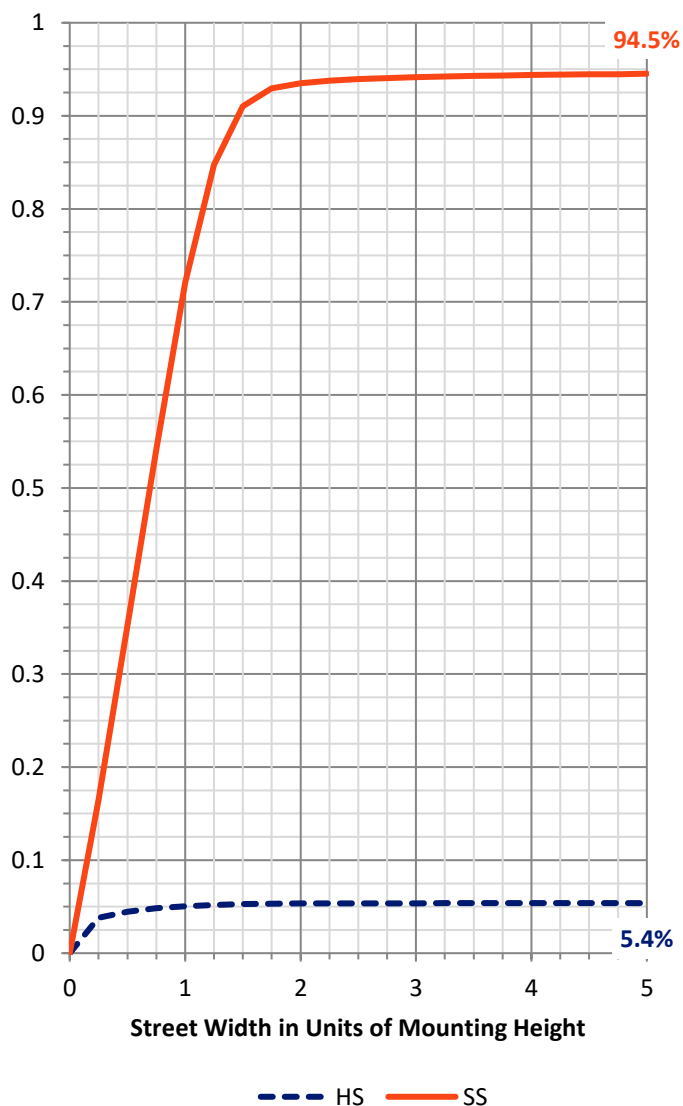
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	405.3	0.0	405.3
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	7092.5	0.0	7092.5
	% Fixture	94.6	0.0	94.6
Total	Lumens	7497.8	0.0	7497.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.9	2.1
10°-20°	409.9	5.5
20°-30°	686.1	9.2
30°-40°	1122.4	15.0
40°-50°	1804.3	24.1
50°-60°	2037.1	27.2
60°-70°	1086.6	14.5
70°-80°	178.5	2.4
80°-90°	16.0	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°	7497.8	100.0
0°-180°	7497.8	100.0



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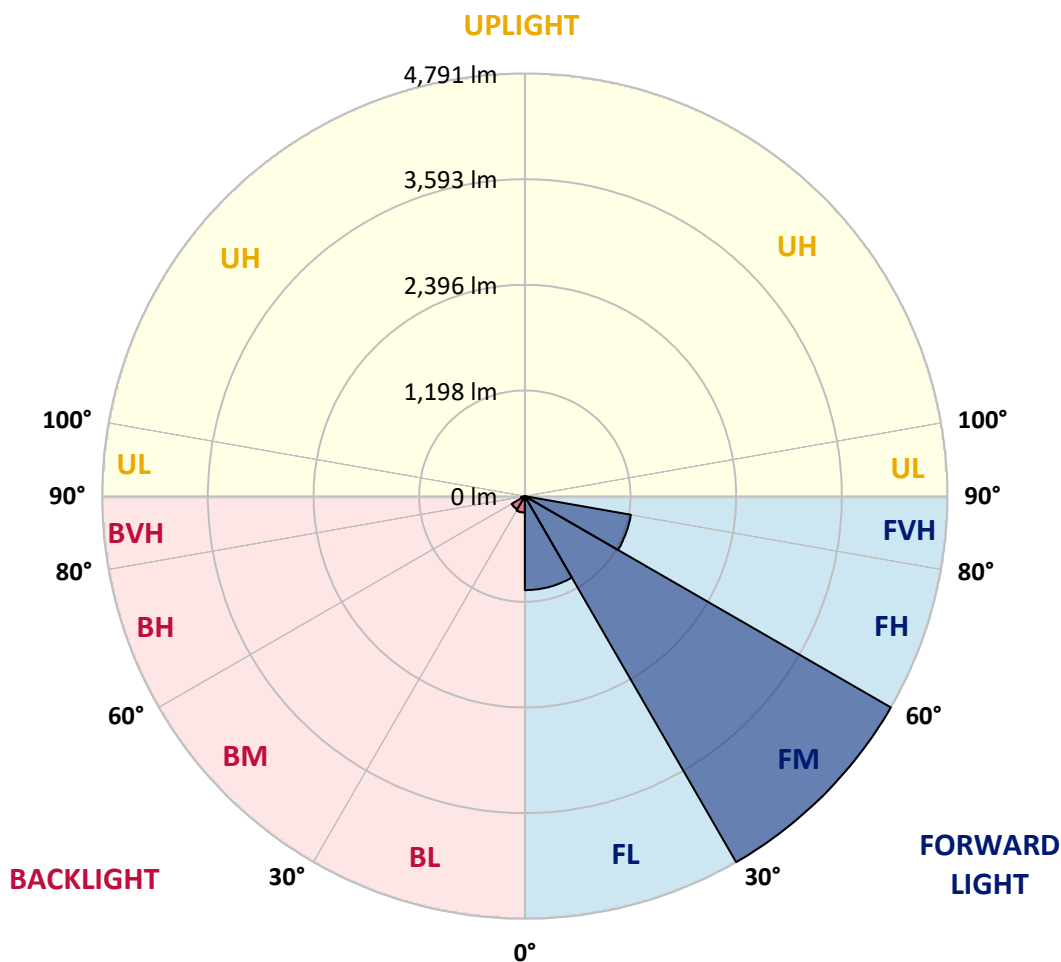
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1065.8	14.2			
FM (30°-60°)	4791.1	63.9			
FH (60°-80°)	1220.8	16.3			G1/1800
FVH (80°-90°)	14.7	0.2			G1/100
BL (0°-30°)	187.0	2.5	B1/500		
BM (30°-60°)	172.7	2.3	B0/220		
BH (60°-80°)	44.3	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°	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6
2.5°	2104.1	2091.7	2098.9	2079.8	2045.0	2001.7	1936.6	1939.9	1888.7	1844.0	1782.2
5°	2451.6	2438.5	2434.6	2386.0	2337.3	2259.2	2162.6	2146.8	2052.9	1939.2	1809.8
7.5°	2634.9	2623.8	2632.3	2614.6	2566.6	2495.7	2373.5	2361.6	2216.5	2044.4	1853.8
10°	2550.8	2546.9	2583.0	2625.1	2663.8	2655.3	2557.4	2539.0	2376.1	2160.0	1899.2
12.5°	2324.9	2337.3	2383.3	2460.8	2580.4	2692.7	2677.0	2680.3	2539.0	2285.4	1949.1
15°	2192.2	2207.3	2233.5	2273.6	2420.8	2620.5	2722.3	2755.1	2695.4	2425.4	2008.2
17.5°	2181.0	2193.5	2197.4	2212.5	2298.6	2504.2	2703.9	2766.3	2834.6	2557.4	2074.6
20°	2267.1	2272.3	2269.0	2257.9	2288.7	2441.1	2646.1	2735.4	2949.6	2698.0	2133.0
22.5°	2429.3	2421.4	2411.6	2370.2	2368.2	2458.9	2614.6	2707.8	3017.9	2814.3	2171.8
25°	2630.3	2613.9	2600.1	2541.6	2514.1	2551.5	2642.8	2717.7	3079.7	2927.3	2199.4
27.5°	2849.7	2855.0	2820.8	2742.0	2698.7	2690.8	2730.2	2786.0	3139.4	3028.4	2214.5
30°	3084.3	3086.9	3042.2	2960.8	2921.3	2870.8	2868.1	2901.6	3203.8	3144.7	2228.9
32.5°	3351.6	3358.9	3285.9	3201.2	3132.2	3066.5	3034.3	3062.6	3319.4	3296.5	2258.5
35°	3737.9	3706.4	3607.8	3479.7	3381.9	3295.8	3246.5	3264.9	3473.2	3478.4	2317.6
37.5°	4136.0	4132.7	4023.7	3839.1	3678.8	3571.7	3487.6	3517.8	3689.3	3722.1	2412.2
40°	4507.2	4515.7	4421.1	4260.2	4053.9	3870.0	3780.0	3800.3	3976.4	4017.8	2527.2
42.5°	4749.6	4745.0	4752.2	4706.2	4499.3	4282.5	4147.2	4158.3	4310.1	4331.8	2671.1
45°	4861.3	4843.5	4905.3	5051.1	4969.0	4741.0	4586.7	4572.9	4656.3	4650.4	2801.8
47.5°	4764.7	4731.8	4873.7	5225.2	5384.2	5315.2	5094.5	5069.5	4998.5	4951.3	2937.8
50°	4284.5	4270.0	4573.5	5142.4	5645.0	5846.0	5683.7	5591.1	5304.0	5173.3	3009.4
52.5°	3827.9	3787.8	3992.8	4720.0	5528.7	6273.0	6306.5	6141.6	5557.6	5237.0	2985.1
55°	3092.1	3042.9	3266.2	3877.8	5068.2	6327.5	6744.0	6657.9	5779.6	5158.2	2935.8
57.5°	1878.2	1829.5	2158.0	2777.5	4053.2	5874.2	6636.3	6723.6	5950.4	5071.5	2903.6
60°	789.6	758.7	887.5	1325.7	2588.3	4827.7	6064.7	6282.8	5982.6	4952.6	2916.8
62.5°	410.6	396.8	404.0	530.8	1046.5	3178.9	5047.8	5427.5	5658.1	4900.0	2929.9
65°	308.1	297.6	274.6	291.7	406.6	1374.3	3627.5	4136.0	4954.5	4766.7	2841.2
67.5°	252.9	243.1	226.6	221.4	239.8	476.9	1851.9	2512.7	3882.4	4198.4	2523.3
70°	201.7	198.4	193.1	183.3	180.0	231.2	664.2	1024.1	2567.3	2960.8	1828.9
72.5°	168.2	168.8	162.9	154.4	142.6	149.1	264.7	350.1	1242.2	1419.6	766.0
75°	140.6	140.6	142.6	130.7	118.9	102.5	147.2	170.8	398.8	327.8	163.6
77.5°	110.4	111.7	120.2	110.4	95.3	64.4	80.1	91.3	118.2	94.6	59.8
80°	88.0	86.7	83.4	99.2	85.4	45.3	38.1	42.0	55.2	45.3	29.6
82.5°	61.8	61.1	58.5	67.0	66.3	33.5	25.0	25.6	33.5	28.9	18.4
85°	15.1	17.7	37.4	31.5	27.6	19.7	15.1	16.4	21.7	19.1	9.9
87.5°	6.6	6.6	17.1	20.4	13.1	8.5	6.6	7.2	11.2	11.2	5.9
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°	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6
2.5°	1760.6	1717.9	1664.0	1606.8	1548.4	1478.1	1433.4	1396.6	1367.7	1345.4	1337.5
5°	1767.1	1685.0	1562.8	1411.1	1256.7	1112.2	1000.5	917.7	849.4	812.0	795.5
7.5°	1766.5	1657.4	1436.7	1182.5	931.5	723.3	575.5	484.2	423.1	398.1	383.0
10°	1765.8	1621.3	1292.8	928.9	622.8	419.1	308.8	257.5	235.2	226.6	225.3
12.5°	1784.9	1579.9	1131.9	683.9	390.9	260.8	214.8	203.0	197.7	195.1	194.5
15°	1795.4	1541.8	962.4	482.8	263.4	206.3	191.8	186.6	184.6	183.3	182.6
17.5°	1806.5	1482.7	801.4	349.5	210.9	187.2	178.7	175.4	174.1	174.1	174.1
20°	1808.5	1419.0	641.8	257.5	187.2	174.7	166.2	162.9	160.9	159.6	159.6
22.5°	1794.1	1343.4	504.5	208.9	173.4	162.9	153.7	148.5	145.2	144.5	144.5
25°	1757.9	1236.3	386.9	183.3	162.3	151.1	139.9	134.0	131.4	131.4	131.4
27.5°	1706.0	1110.2	298.9	162.9	147.8	136.6	126.8	121.5	120.9	120.2	120.9
30°	1646.9	988.7	228.6	144.5	130.7	121.5	113.6	111.0	112.3	112.3	113.0
32.5°	1587.8	867.1	178.7	130.1	115.6	107.7	103.8	103.8	105.8	105.8	105.8
35°	1537.2	748.2	149.8	118.2	105.1	98.5	96.6	98.5	99.9	100.5	100.5
37.5°	1509.0	645.8	132.0	107.7	96.6	91.3	90.7	92.6	95.3	97.2	97.9
40°	1498.4	566.9	121.5	99.9	88.7	85.4	84.7	87.4	92.0	95.3	95.9
42.5°	1499.1	497.3	112.3	92.0	83.4	78.8	78.8	82.8	87.4	90.7	90.7
45°	1503.7	437.5	103.1	84.1	78.8	70.9	71.6	76.9	80.1	83.4	83.4
47.5°	1507.6	389.6	93.3	75.5	68.3	64.4	65.7	69.6	74.2	79.5	79.5
50°	1484.7	355.4	83.4	66.3	59.8	58.5	61.1	64.4	70.9	76.2	76.9
52.5°	1429.5	324.5	74.9	59.1	53.9	54.5	57.8	59.8	65.0	65.7	66.3
55°	1405.2	308.8	68.3	53.9	49.3	51.2	53.2	53.9	52.6	49.3	49.3
57.5°	1399.9	298.2	61.8	48.6	45.3	48.0	47.3	43.4	39.4	35.5	34.8
60°	1405.2	283.8	56.5	42.0	41.4	42.0	40.1	32.8	27.6	25.0	23.6
62.5°	1374.9	262.8	51.9	36.1	36.1	35.5	30.2	22.3	17.7	15.8	15.1
65°	1275.1	221.4	47.3	30.2	29.6	28.2	20.4	15.1	11.8	9.9	9.2
67.5°	1078.7	171.5	42.7	25.0	23.6	19.7	13.1	9.9	6.6	5.9	5.3
70°	735.8	106.4	36.1	19.7	17.7	12.5	7.9	5.9	3.9	3.3	2.6
72.5°	266.7	61.8	30.2	15.1	11.8	7.9	4.6	2.6	2.0	2.0	1.3
75°	63.1	43.4	23.0	11.2	7.9	4.6	2.6	2.0	1.3	1.3	0.7
77.5°	28.9	33.5	15.1	6.6	5.3	3.3	2.0	1.3	0.7	0.7	0.0
80°	16.4	23.6	7.2	4.6	3.9	2.6	1.3	0.7	0.7	0.0	0.0
82.5°	8.5	13.1	5.3	3.9	3.3	2.0	1.3	0.0	0.0	0.0	0.0
85°	5.9	6.6	3.9	3.3	2.6	2.0	1.3	0.0	0.0	0.0	0.0
87.5°	4.6	4.6	3.9	3.3	2.6	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)