

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: P672162

Luminaire Tested: **CCP-SA-2C-830-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672162
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-830-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

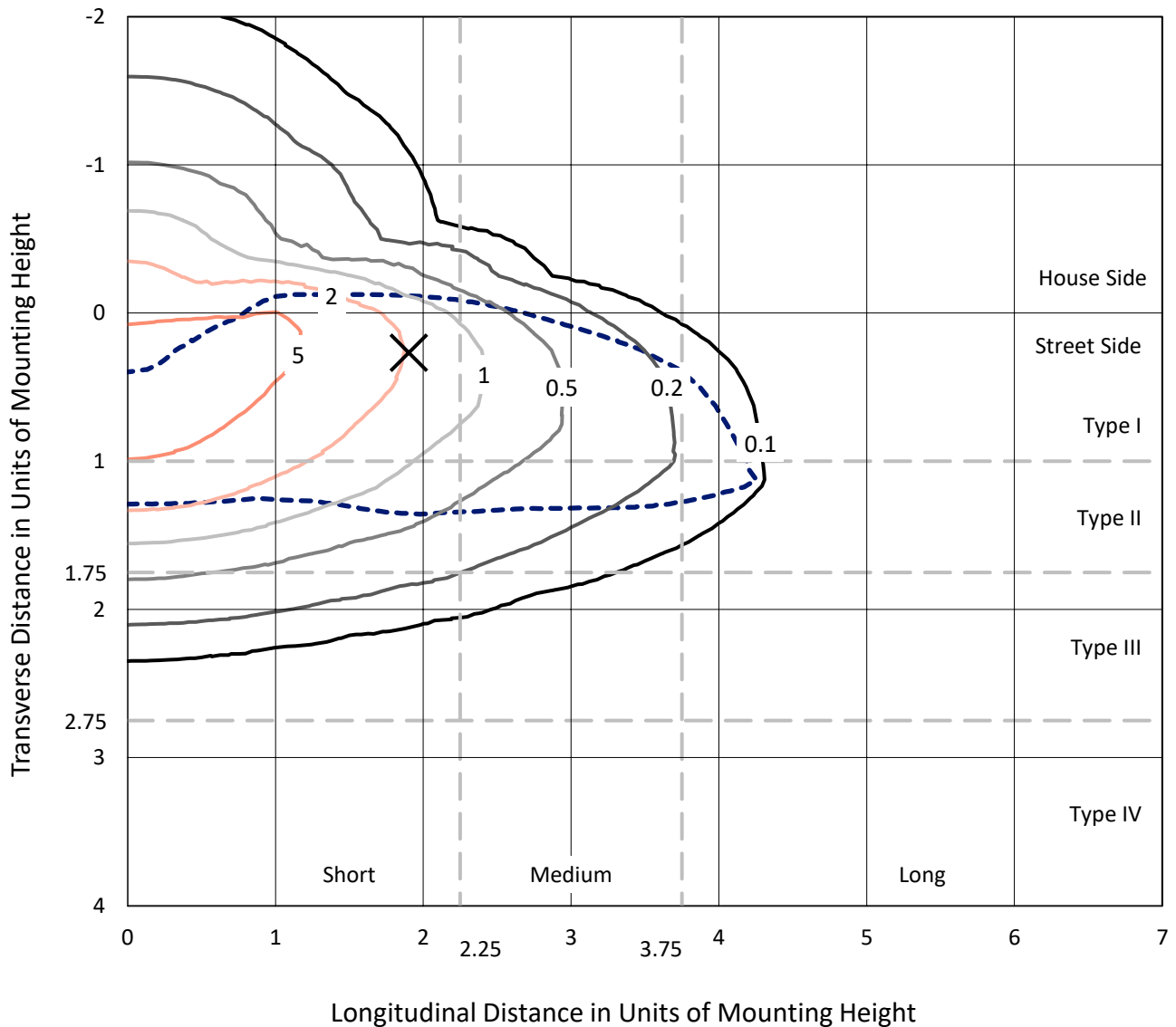
Lumens per Lamp: N/A
Luminaire Lumens: 7297.6 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

REPORT NUMBER: P672162
 CATALOG NUMBER: CCP-SA-2C-830-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

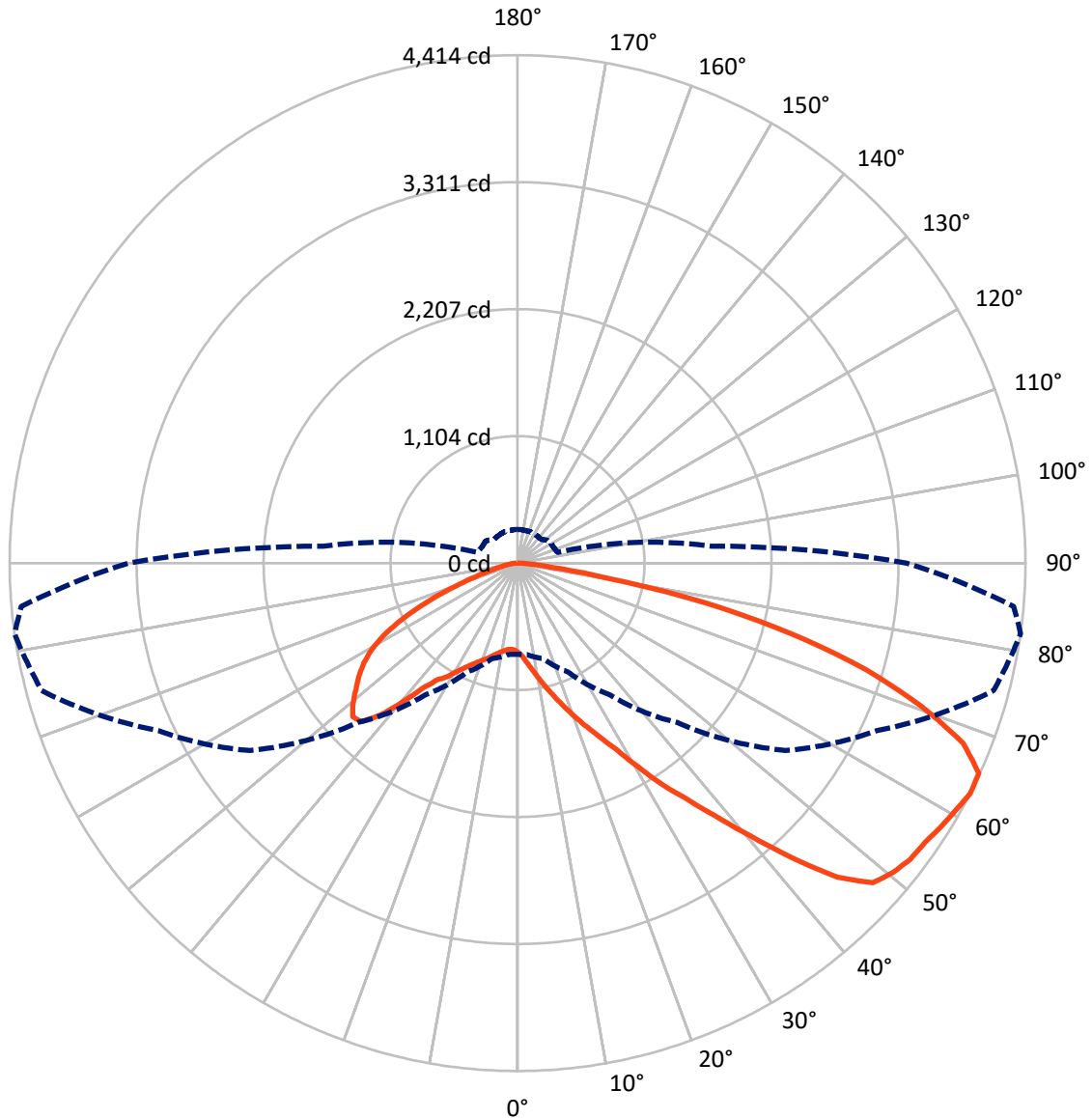
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

REPORT NUMBER: P672162
CATALOG NUMBER: CCP-SA-2C-830-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P672162

CATALOG NUMBER: CCP-SA-2C-830-U-T2R

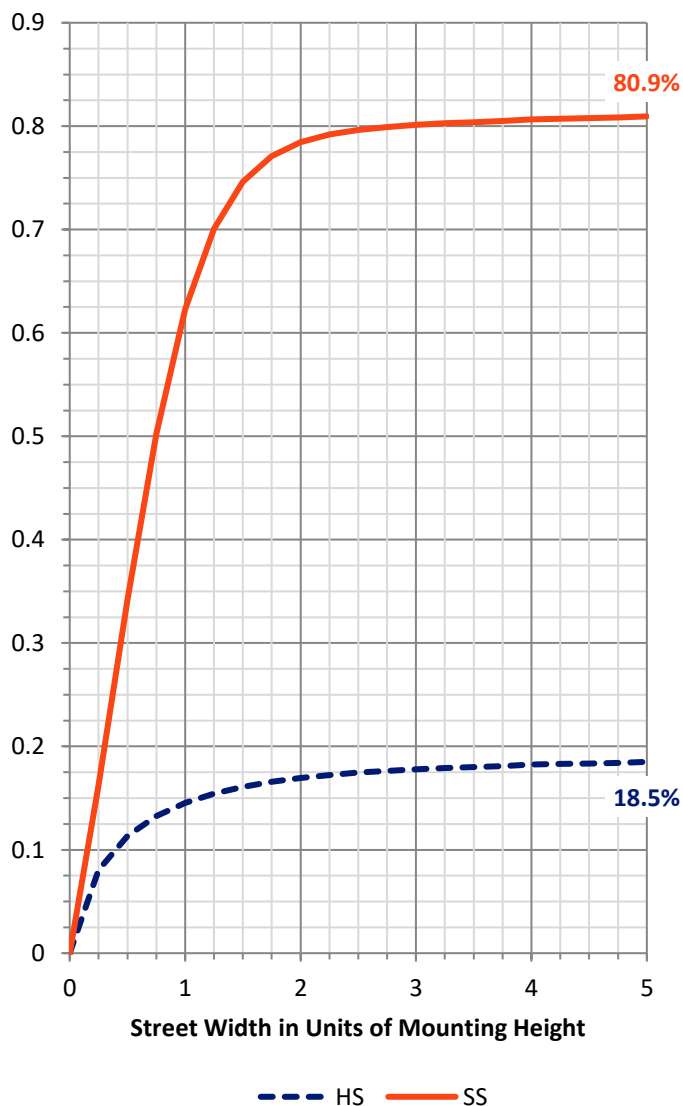
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1374.9	0.0	1374.9
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	5922.8	0.0	5922.8
	% Fixture	81.2	0.0	81.2
Total	Lumens	7297.6	0.0	7297.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	1.2
10°-20°	323.9	4.4
20°-30°	670.8	9.2
30°-40°	1138.5	15.6
40°-50°	1550.4	21.2
50°-60°	1569.3	21.5
60°-70°	1236.8	16.9
70°-80°	609.3	8.3
80°-90°	112.7	1.5
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°	7297.6	100.0
0°-180°	7297.6	100.0



REPORT NUMBER: P672162

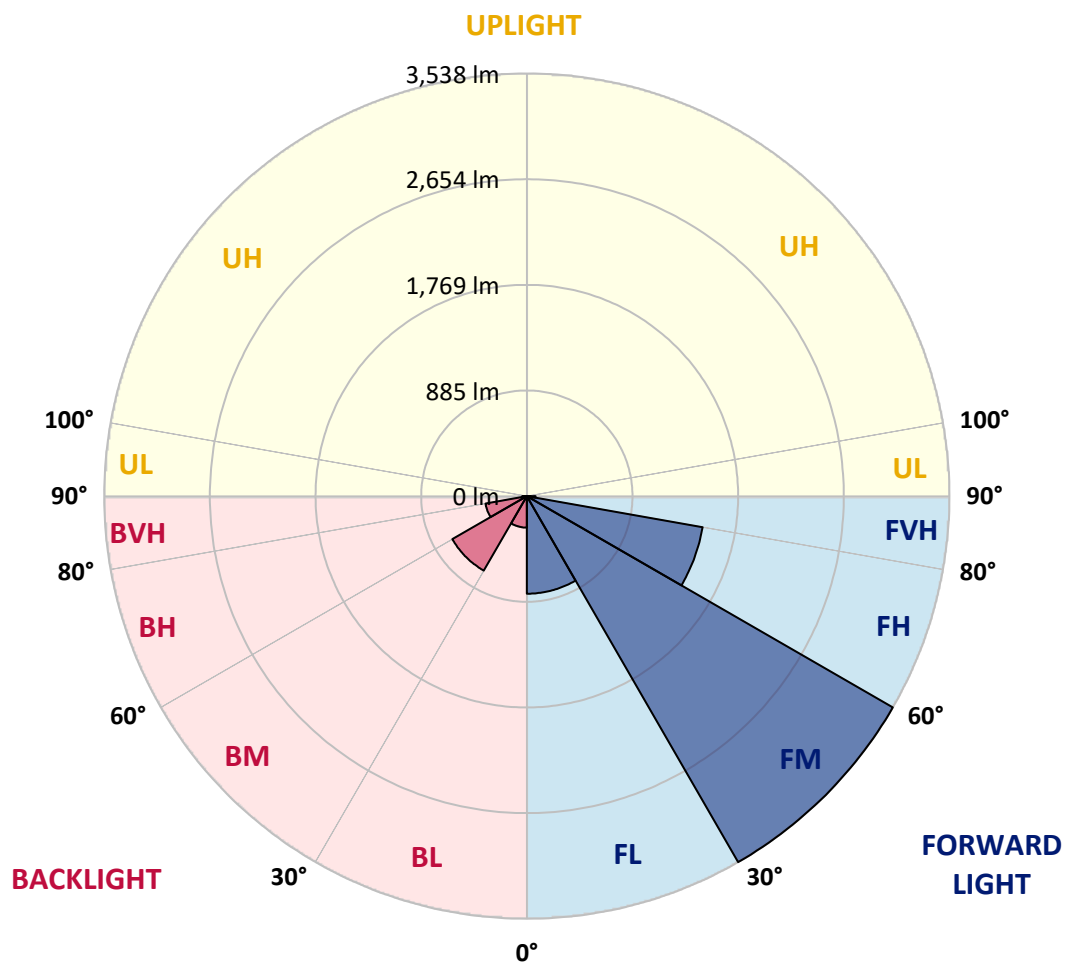
CATALOG NUMBER: CCP-SA-2C-830-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	816.8	11.2			
FM (30°-60°)	3538.1	48.5			
FH (60°-80°)	1494.7	20.5			G1/1800
FVH (80°-90°)	73.2	1.0			G1/100
BL (0°-30°)	263.8	3.6	B1/500		
BM (30°-60°)	720.1	9.9	B1/1000		
BH (60°-80°)	351.4	4.8	B1/500		G1/500
BVH (80°-90°)	39.5	0.5			G1/100
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





REPORT NUMBER: P672162

CATALOG NUMBER: CCP-SA-2C-830-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	776.1	776.1	776.1	776.1	776.1	776.1	776.1	776.1	776.1	776.1	776.1
2.5°	1033.5	1017.8	1009.3	999.9	973.6	956.8	925.3	888.5	845.9	809.7	802.9
5°	1251.6	1235.8	1237.9	1214.8	1176.4	1140.7	1081.9	1012.5	931.6	869.6	848.0
7.5°	1405.5	1388.2	1392.4	1382.9	1351.9	1312.5	1237.9	1148.6	1030.4	938.4	903.7
10°	1508.5	1510.6	1513.8	1510.1	1490.1	1462.3	1388.2	1289.4	1142.3	1019.9	972.6
12.5°	1625.1	1630.9	1629.9	1631.4	1620.9	1598.9	1526.4	1433.4	1261.5	1107.6	1046.1
15°	1773.8	1768.1	1772.8	1779.6	1768.1	1743.9	1679.8	1569.4	1386.6	1205.3	1129.1
17.5°	1936.7	1924.6	1937.2	1930.4	1922.0	1906.2	1835.8	1718.1	1515.9	1310.9	1221.6
20°	2077.5	2069.7	2076.5	2077.5	2079.1	2076.0	2003.5	1878.4	1651.4	1426.0	1321.4
22.5°	2235.7	2232.0	2231.0	2231.5	2233.1	2236.7	2187.3	2053.9	1801.7	1546.9	1429.2
25°	2456.9	2453.2	2429.0	2402.2	2386.5	2398.0	2372.3	2253.0	1967.7	1682.4	1547.4
27.5°	2704.9	2699.1	2667.1	2599.3	2548.8	2557.2	2554.6	2472.7	2159.0	1837.9	1689.2
30°	2962.4	2948.2	2904.0	2808.9	2729.6	2714.9	2722.2	2694.9	2399.6	2044.4	1886.8
32.5°	3192.0	3165.7	3107.4	3011.2	2916.6	2874.1	2875.1	2887.2	2661.3	2285.1	2093.8
35°	3332.3	3314.9	3271.3	3174.1	3068.5	3040.1	3032.2	3092.7	2901.4	2507.9	2279.3
37.5°	3407.9	3391.1	3344.3	3266.0	3186.2	3174.6	3189.3	3282.9	3174.1	2785.8	2531.5
40°	3394.3	3376.4	3345.9	3291.3	3238.7	3247.7	3312.8	3457.3	3472.0	3118.4	2890.9
42.5°	3281.8	3262.9	3260.3	3256.6	3231.9	3271.3	3389.0	3585.0	3745.8	3502.5	3325.9
45°	3083.2	3071.6	3085.3	3148.4	3179.4	3255.5	3424.7	3647.0	3986.4	3892.9	3737.4
47.5°	2831.5	2824.7	2855.7	2955.5	3055.9	3207.2	3448.4	3663.8	4151.9	4151.9	4006.9
50°	2549.9	2547.3	2588.2	2733.3	2890.4	3118.4	3445.7	3679.6	4224.4	4228.1	4102.0
52.5°	2156.9	2170.5	2279.8	2471.1	2684.4	2979.2	3409.0	3723.7	4265.4	4273.8	4165.6
55°	1704.0	1717.1	1882.1	2139.5	2412.8	2810.0	3299.2	3710.6	4273.3	4292.2	4201.8
57.5°	1360.3	1363.0	1465.9	1771.7	2110.1	2593.5	3172.5	3623.3	4250.2	4332.7	4257.5
60°	1064.5	1072.9	1141.8	1384.0	1759.1	2314.5	3031.2	3537.2	4263.3	4371.0	4308.0
62.5°	792.9	795.0	859.1	1046.6	1397.6	1958.8	2839.4	3445.2	4281.7	4414.1	4328.5
65°	516.5	516.0	578.0	747.2	1044.0	1574.7	2538.3	3301.3	4283.3	4404.6	4234.4
67.5°	328.4	330.5	357.3	464.0	698.8	1188.5	2128.5	3033.8	4208.7	4175.6	3891.8
70°	266.4	266.9	275.3	303.2	425.6	812.3	1599.9	2615.6	3972.7	3719.0	3382.7
72.5°	237.5	238.0	242.2	245.4	283.7	488.1	1049.8	2123.8	3553.5	3169.9	2806.3
75°	213.3	213.3	216.0	212.8	232.8	306.3	595.8	1596.8	2926.6	2468.5	2120.1
77.5°	187.1	186.5	186.5	185.0	201.2	223.8	298.4	1114.4	2108.0	1683.5	1375.0
80°	158.7	157.6	159.2	158.2	173.9	169.7	173.9	687.8	1142.8	771.9	585.3
82.5°	123.5	123.5	128.2	129.3	143.4	122.9	122.4	326.3	434.0	288.5	216.0
85°	64.6	72.5	97.7	101.9	108.2	77.2	89.8	152.4	173.9	110.3	78.8
87.5°	19.4	20.5	59.9	67.3	66.7	38.9	55.2	73.6	81.4	48.9	32.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P672162
 CATALOG NUMBER: CCP-SA-2C-830-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	776.1	776.1	776.1	776.1	776.1	776.1	776.1	776.1	776.1	776.1	776.1
2.5°	785.5	767.1	728.2	693.6	667.3	642.1	624.7	615.8	604.2	605.8	602.1
5°	809.7	771.9	703.0	647.3	610.0	581.6	564.3	555.4	547.0	542.8	545.9
7.5°	845.9	787.1	690.9	623.7	584.8	560.6	551.2	548.5	546.4	544.9	547.5
10°	892.7	813.9	688.8	615.3	579.5	564.8	561.2	559.6	557.5	555.4	557.0
12.5°	940.5	843.3	696.2	617.4	588.0	576.9	572.2	570.1	564.8	562.2	562.7
15°	1000.4	879.0	706.2	625.8	599.0	584.8	578.5	572.7	564.3	560.6	562.2
17.5°	1064.5	921.6	719.8	633.7	603.2	585.9	573.2	564.8	556.4	551.2	551.7
20°	1137.0	963.6	731.9	636.3	601.1	576.9	561.7	551.7	540.7	534.9	533.3
22.5°	1212.2	1007.8	741.4	634.2	589.5	561.7	544.3	532.3	519.1	510.2	510.7
25°	1303.6	1067.7	749.3	626.8	574.3	541.7	522.3	507.0	493.4	485.0	485.5
27.5°	1413.4	1135.4	758.7	615.3	555.9	520.2	497.6	482.3	469.2	461.3	460.3
30°	1560.0	1223.7	769.2	601.1	532.8	496.5	474.5	458.7	446.1	438.7	438.7
32.5°	1725.0	1331.4	776.6	584.3	507.0	471.3	451.3	438.7	429.3	419.3	418.2
35°	1868.4	1415.0	799.2	571.1	484.4	447.7	434.0	425.1	410.9	401.4	399.8
37.5°	2079.1	1562.1	865.9	567.5	457.1	429.3	426.6	409.8	393.5	375.7	374.1
40°	2418.5	1816.9	943.7	549.6	428.7	419.3	416.7	394.1	355.7	344.7	342.6
42.5°	2850.4	2123.8	952.1	497.6	408.8	410.9	403.0	358.9	342.1	333.6	331.5
45°	3240.3	2372.8	904.3	444.5	394.1	398.3	382.0	345.7	336.3	328.4	326.3
47.5°	3459.4	2449.5	813.9	404.6	383.0	387.2	348.4	339.4	330.0	322.1	320.0
50°	3520.9	2382.8	708.8	381.5	374.6	376.2	339.4	334.2	325.8	319.5	316.3
52.5°	3533.0	2283.0	611.6	367.8	368.3	354.1	331.5	327.3	322.1	312.1	308.4
55°	3538.2	2193.1	524.4	359.4	364.1	325.8	323.1	320.0	315.8	305.3	303.2
57.5°	3551.9	2078.1	456.1	353.1	358.9	312.6	313.7	311.6	306.3	301.6	300.5
60°	3513.0	1918.9	403.5	346.8	351.5	301.6	302.6	303.7	299.0	297.9	297.4
62.5°	3382.7	1692.9	358.9	338.4	336.3	290.6	290.6	294.8	290.6	292.1	292.1
65°	3114.2	1405.0	318.9	322.6	312.6	278.5	278.0	285.3	279.0	285.8	286.4
67.5°	2656.6	1063.5	278.0	297.9	287.9	265.9	268.0	273.7	265.3	279.5	279.5
70°	2102.8	723.5	235.4	263.2	262.7	251.7	258.5	258.0	248.5	269.5	265.9
72.5°	1566.3	464.5	191.8	220.7	229.6	236.4	249.1	238.0	229.1	241.2	230.1
75°	1094.5	291.1	151.3	174.4	191.3	219.6	237.5	215.4	202.3	198.6	195.5
77.5°	655.2	186.0	119.3	132.9	149.2	199.7	222.8	191.8	171.8	169.7	163.4
80°	302.1	121.4	90.9	99.3	106.1	171.3	202.8	163.9	139.8	137.7	130.3
82.5°	136.6	79.9	67.8	70.9	71.5	136.1	171.3	129.8	106.7	172.9	149.7
85°	63.6	51.5	44.1	42.0	42.6	90.9	124.5	89.3	121.4	94.6	72.0
87.5°	27.3	26.3	22.6	17.9	16.3	19.4	47.8	37.3	53.1	21.0	14.2
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)