

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: P672183

Luminaire Tested: **CCP-SA-2B-840-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672183
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-840-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

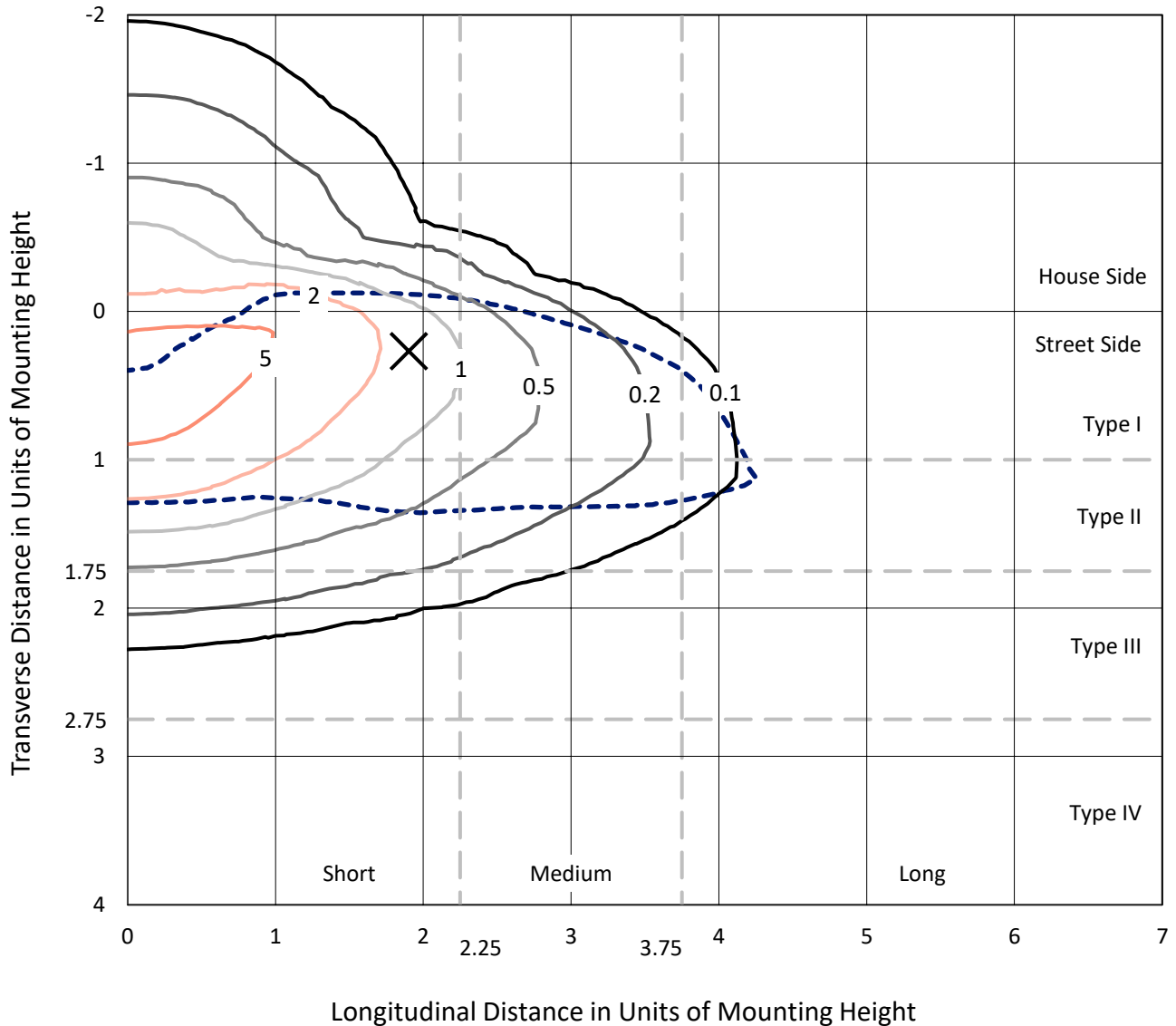
Lumens per Lamp: N/A
Luminaire Lumens: 5981 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 46
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: P672183
 CATALOG NUMBER: CCP-SA-2B-840-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

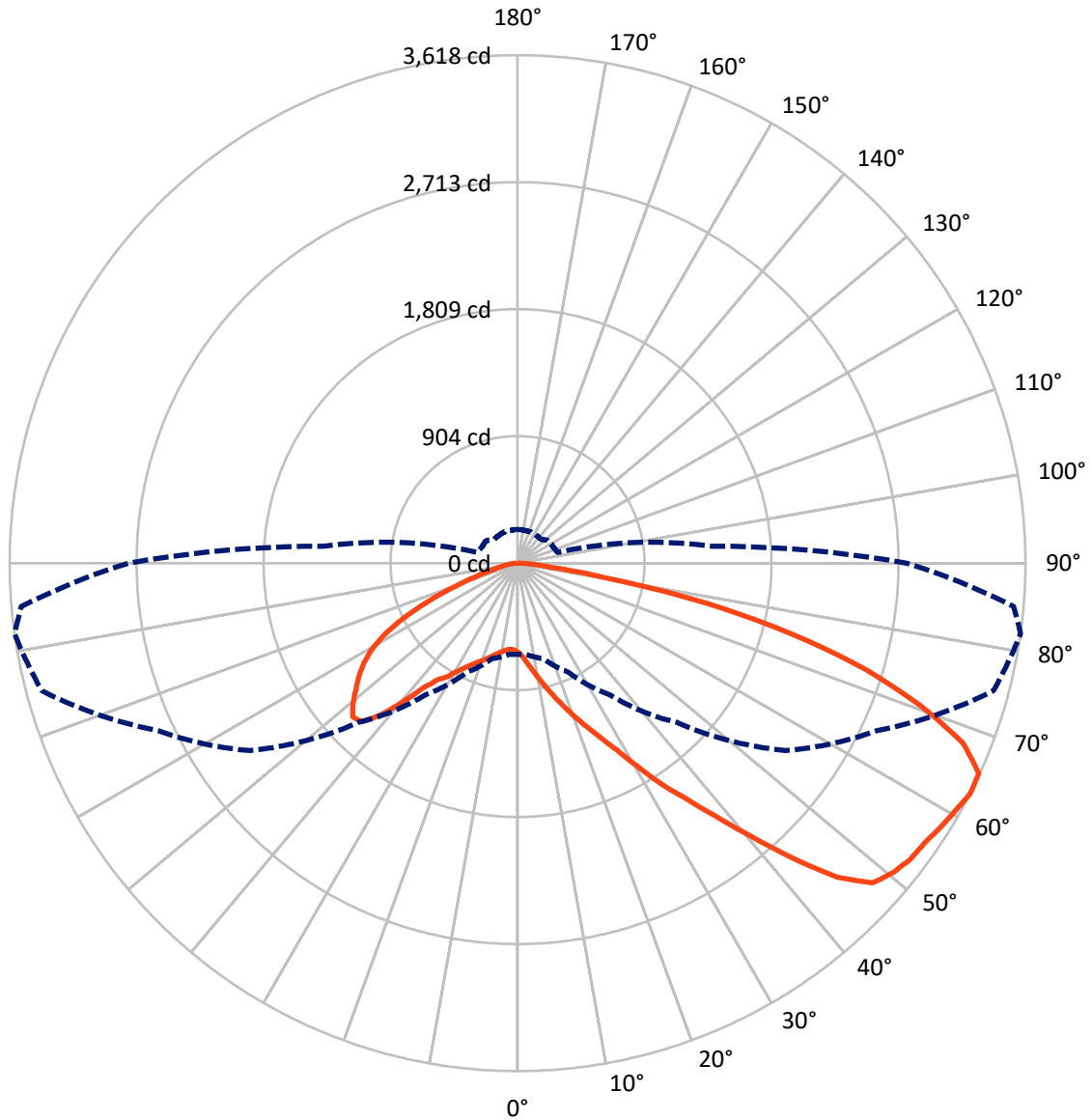
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

REPORT NUMBER: P672183
CATALOG NUMBER: CCP-SA-2B-840-U-T2R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672183

CATALOG NUMBER: CCP-SA-2B-840-U-T2R

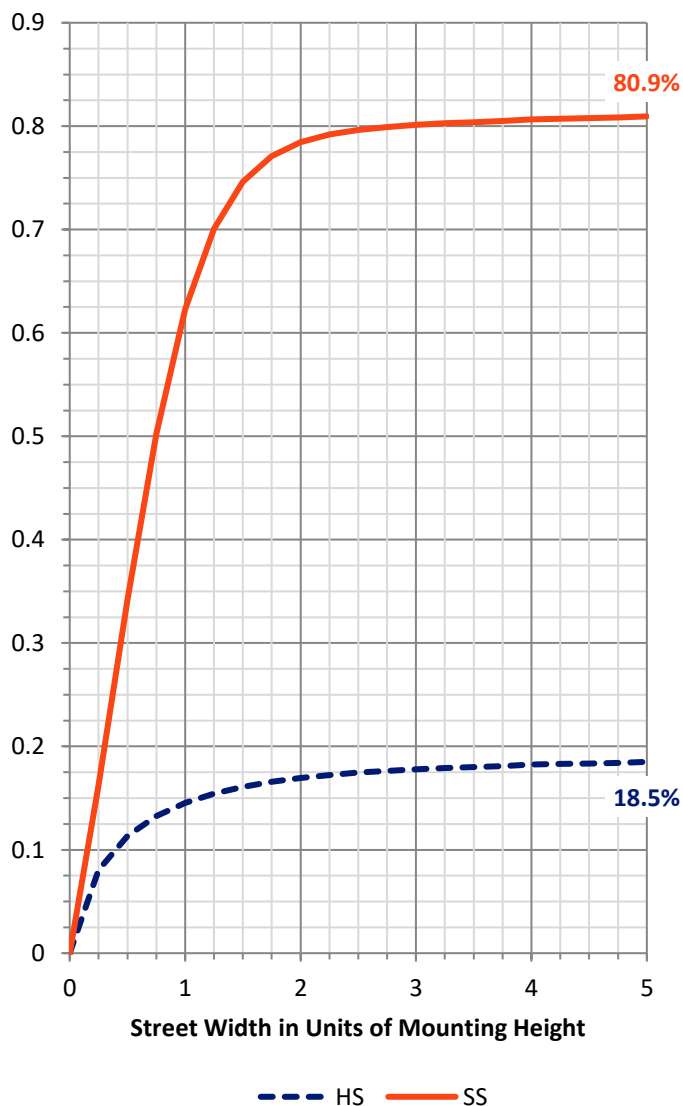
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1126.8	0.0	1126.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4854.2	0.0	4854.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	5981.0	0.0	5981.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	1.2
10°-20°	265.5	4.4
20°-30°	549.8	9.2
30°-40°	933.1	15.6
40°-50°	1270.7	21.2
50°-60°	1286.2	21.5
60°-70°	1013.7	16.9
70°-80°	499.4	8.3
80°-90°	92.4	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°	5981.0	100.0
0°-180°	5981.0	100.0



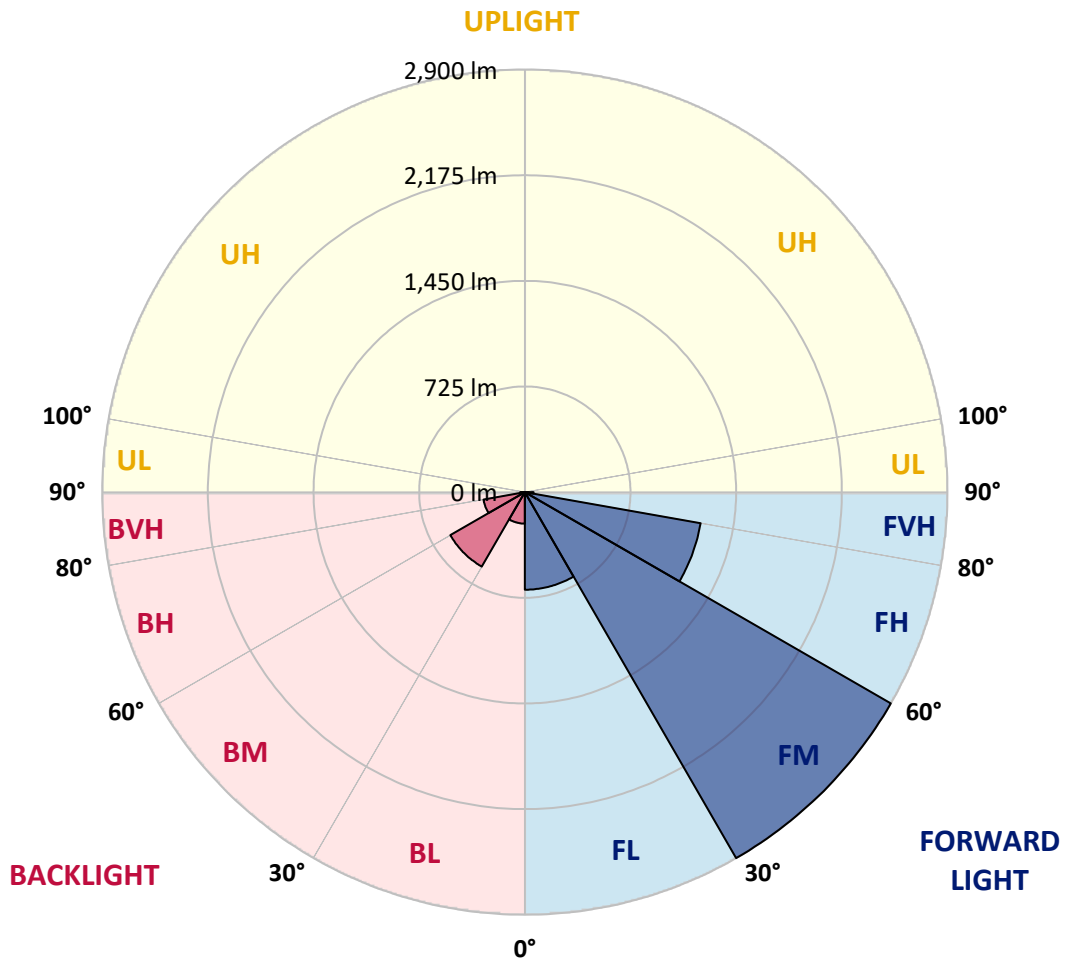
REPORT NUMBER: P672183
 CATALOG NUMBER: CCP-SA-2B-840-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	669.4	11.2			
FM (30°-60°)	2899.8	48.5			
FH (60°-80°)	1225.0	20.5			G1/1800
FVH (80°-90°)	60.0	1.0			G1/100
BL (0°-30°)	216.2	3.6	B1/500		
BM (30°-60°)	590.2	9.9	B1/1000		
BH (60°-80°)	288.0	4.8	B1/500		G1/500
BVH (80°-90°)	32.4	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: P672183
 CATALOG NUMBER: CCP-SA-2B-840-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	636.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0
2.5°	847.1	834.1	827.2	819.5	798.0	784.2	758.3	728.2	693.3	663.6	658.0
5°	1025.8	1012.8	1014.6	995.6	964.2	934.9	886.7	829.8	763.5	712.7	695.0
7.5°	1151.9	1137.7	1141.2	1133.4	1108.0	1075.7	1014.6	941.4	844.5	769.1	740.7
10°	1236.3	1238.1	1240.7	1237.6	1221.3	1198.4	1137.7	1056.8	936.2	835.9	797.1
12.5°	1331.9	1336.7	1335.8	1337.1	1328.5	1310.4	1251.0	1174.8	1033.9	907.8	857.4
15°	1453.8	1449.1	1453.0	1458.6	1449.1	1429.3	1376.7	1286.3	1136.4	987.9	925.4
17.5°	1587.3	1577.4	1587.7	1582.1	1575.3	1562.3	1504.6	1408.2	1242.4	1074.4	1001.2
20°	1702.7	1696.3	1701.9	1702.7	1704.0	1701.4	1642.0	1539.5	1353.5	1168.7	1083.0
22.5°	1832.3	1829.3	1828.5	1828.9	1830.2	1833.2	1792.7	1683.3	1476.6	1267.8	1171.3
25°	2013.6	2010.6	1990.8	1968.8	1955.9	1965.4	1944.3	1846.5	1612.7	1378.9	1268.2
27.5°	2216.9	2212.2	2185.9	2130.3	2089.0	2095.9	2093.7	2026.6	1769.5	1506.4	1384.5
30°	2427.9	2416.3	2380.1	2302.2	2237.1	2225.1	2231.1	2208.7	1966.7	1675.6	1546.4
32.5°	2616.1	2594.6	2546.8	2468.0	2390.4	2355.6	2356.4	2366.3	2181.2	1872.8	1716.1
35°	2731.1	2716.9	2681.1	2601.4	2514.9	2491.6	2485.2	2534.7	2377.9	2055.4	1868.1
37.5°	2793.1	2779.3	2741.0	2676.8	2611.4	2601.9	2613.9	2690.6	2601.4	2283.2	2074.8
40°	2781.9	2767.2	2742.3	2697.5	2654.4	2661.7	2715.1	2833.6	2845.6	2555.8	2369.3
42.5°	2689.7	2674.2	2672.1	2669.1	2648.8	2681.1	2777.6	2938.2	3070.0	2870.6	2725.9
45°	2526.9	2517.5	2528.7	2580.3	2605.8	2668.2	2806.9	2989.0	3267.2	3190.6	3063.1
47.5°	2320.7	2315.1	2340.5	2422.3	2504.6	2628.6	2826.2	3002.8	3402.9	3402.9	3284.0
50°	2089.9	2087.7	2121.3	2240.1	2368.9	2555.8	2824.1	3015.7	3462.3	3465.3	3361.9
52.5°	1767.7	1778.9	1868.5	2025.3	2200.1	2441.7	2793.9	3051.9	3495.9	3502.8	3414.1
55°	1396.5	1407.3	1542.5	1753.5	1977.5	2303.0	2703.9	3041.1	3502.3	3517.8	3443.8
57.5°	1114.9	1117.1	1201.5	1452.1	1729.4	2125.6	2600.2	2969.6	3483.4	3551.0	3489.4
60°	872.5	879.4	935.8	1134.3	1441.8	1896.9	2484.3	2899.0	3494.1	3582.4	3530.8
62.5°	649.8	651.5	704.1	857.8	1145.5	1605.4	2327.1	2823.7	3509.2	3617.7	3547.5
65°	423.3	422.9	473.7	612.4	855.7	1290.6	2080.4	2705.7	3510.5	3610.0	3470.5
67.5°	269.1	270.9	292.8	380.2	572.7	974.1	1744.5	2486.5	3449.4	3422.2	3189.7
70°	218.3	218.8	225.7	248.5	348.8	665.8	1311.3	2143.7	3256.0	3048.0	2772.4
72.5°	194.6	195.1	198.5	201.1	232.5	400.1	860.4	1740.6	2912.4	2598.0	2300.0
75°	174.8	174.8	177.0	174.4	190.8	251.1	488.3	1308.7	2398.6	2023.1	1737.6
77.5°	153.3	152.9	152.9	151.6	164.9	183.4	244.6	913.4	1727.7	1379.7	1127.0
80°	130.1	129.2	130.5	129.6	142.5	139.1	142.5	563.7	936.6	632.6	479.7
82.5°	101.2	101.2	105.1	105.9	117.6	100.8	100.3	267.4	355.7	236.4	177.0
85°	53.0	59.4	80.1	83.5	88.7	63.3	73.6	124.9	142.5	90.4	64.6
87.5°	15.9	16.8	49.1	55.1	54.7	31.9	45.2	60.3	66.7	40.0	26.3
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: P672183
 CATALOG NUMBER: CCP-SA-2B-840-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	636.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0
2.5°	643.8	628.7	596.9	568.4	546.9	526.2	512.0	504.7	495.2	496.5	493.5
5°	663.6	632.6	576.2	530.5	500.0	476.7	462.5	455.2	448.3	444.8	447.4
7.5°	693.3	645.1	566.3	511.2	479.3	459.5	451.7	449.6	447.9	446.6	448.7
10°	731.6	667.0	564.6	504.3	475.0	462.9	459.9	458.6	456.9	455.2	456.5
12.5°	770.8	691.2	570.6	506.0	481.9	472.8	469.0	467.2	462.9	460.8	461.2
15°	819.9	720.4	578.8	512.9	490.9	479.3	474.1	469.4	462.5	459.5	460.8
17.5°	872.5	755.3	590.0	519.3	494.4	480.2	469.8	462.9	456.0	451.7	452.2
20°	931.9	789.8	599.9	521.5	492.6	472.8	460.3	452.2	443.1	438.4	437.1
22.5°	993.5	826.0	607.6	519.8	483.2	460.3	446.1	436.2	425.5	418.1	418.6
25°	1068.4	875.0	614.1	513.7	470.7	444.0	428.0	415.6	404.4	397.5	397.9
27.5°	1158.4	930.6	621.8	504.3	455.6	426.3	407.8	395.3	384.6	378.1	377.2
30°	1278.5	1002.9	630.4	492.6	436.7	406.9	388.9	375.9	365.6	359.6	359.6
32.5°	1413.8	1091.2	636.5	478.9	415.6	386.3	369.9	359.6	351.8	343.6	342.8
35°	1531.3	1159.7	655.0	468.1	397.0	366.9	355.7	348.4	336.8	329.0	327.7
37.5°	1704.0	1280.3	709.7	465.1	374.6	351.8	349.7	335.9	322.5	307.9	306.6
40°	1982.2	1489.1	773.4	450.4	351.4	343.6	341.5	323.0	291.5	282.5	280.8
42.5°	2336.2	1740.6	780.3	407.8	335.0	336.8	330.3	294.1	280.3	273.5	271.7
45°	2655.7	1944.7	741.1	364.3	323.0	326.4	313.1	283.4	275.6	269.1	267.4
47.5°	2835.3	2007.6	667.0	331.6	313.9	317.4	285.5	278.2	270.4	264.0	262.3
50°	2885.7	1952.9	580.9	312.6	307.0	308.3	278.2	273.9	267.0	261.8	259.2
52.5°	2895.6	1871.1	501.3	301.4	301.9	290.2	271.7	268.3	264.0	255.8	252.8
55°	2899.9	1797.5	429.8	294.6	298.4	267.0	264.8	262.3	258.8	250.2	248.5
57.5°	2911.1	1703.1	373.8	289.4	294.1	256.2	257.1	255.4	251.1	247.2	246.3
60°	2879.2	1572.7	330.7	284.2	288.1	247.2	248.0	248.9	245.0	244.2	243.7
62.5°	2772.4	1387.5	294.1	277.3	275.6	238.1	238.1	241.6	238.1	239.4	239.4
65°	2552.4	1151.5	261.4	264.4	256.2	228.2	227.8	233.8	228.7	234.3	234.7
67.5°	2177.3	871.6	227.8	244.2	236.0	217.9	219.6	224.4	217.5	229.1	229.1
70°	1723.4	593.0	192.9	215.7	215.3	206.3	211.9	211.4	203.7	220.9	217.9
72.5°	1283.7	380.7	157.2	180.9	188.2	193.8	204.1	195.1	187.8	197.7	188.6
75°	897.0	238.6	124.0	143.0	156.8	180.0	194.6	176.6	165.8	162.8	160.2
77.5°	537.0	152.4	97.8	108.9	122.3	163.6	182.6	157.2	140.8	139.1	133.9
80°	247.6	99.5	74.5	81.4	87.0	140.4	166.2	134.4	114.5	112.8	106.8
82.5°	112.0	65.5	55.6	58.1	58.6	111.5	140.4	106.4	87.4	141.7	122.7
85°	52.1	42.2	36.2	34.5	34.9	74.5	102.1	73.2	99.5	77.5	59.0
87.5°	22.4	21.5	18.5	14.6	13.3	15.9	39.2	30.6	43.5	17.2	11.6
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)