

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: P672079

Luminaire Tested: **CCP-SA-1C-727-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672079
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-727-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

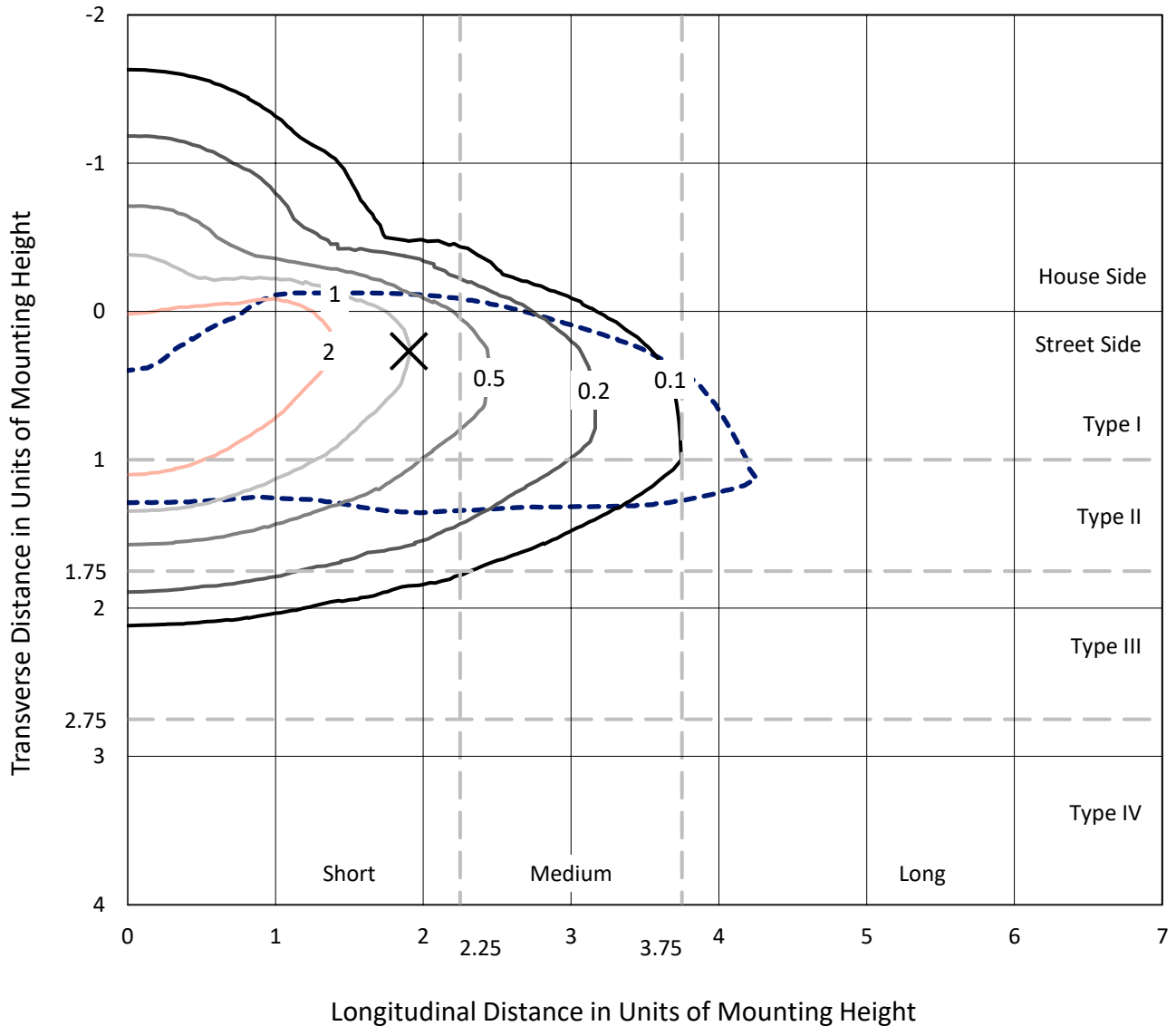
Lumens per Lamp: N/A
Luminaire Lumens: 3840.7 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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: P672079
 CATALOG NUMBER: CCP-SA-1C-727-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

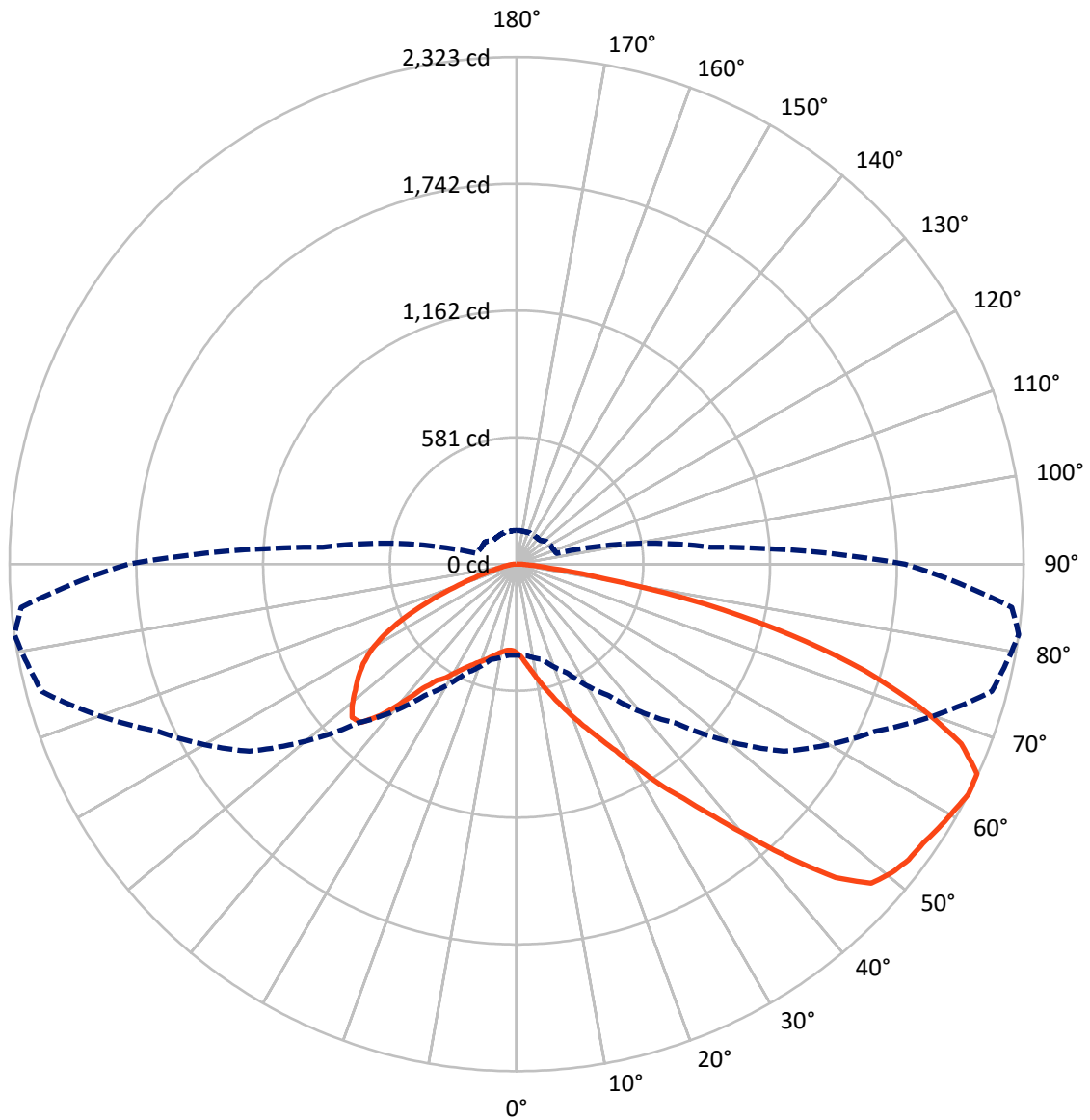
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Short - N/A

REPORT NUMBER: P672079
CATALOG NUMBER: CCP-SA-1C-727-U-T2R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672079

CATALOG NUMBER: CCP-SA-1C-727-U-T2R

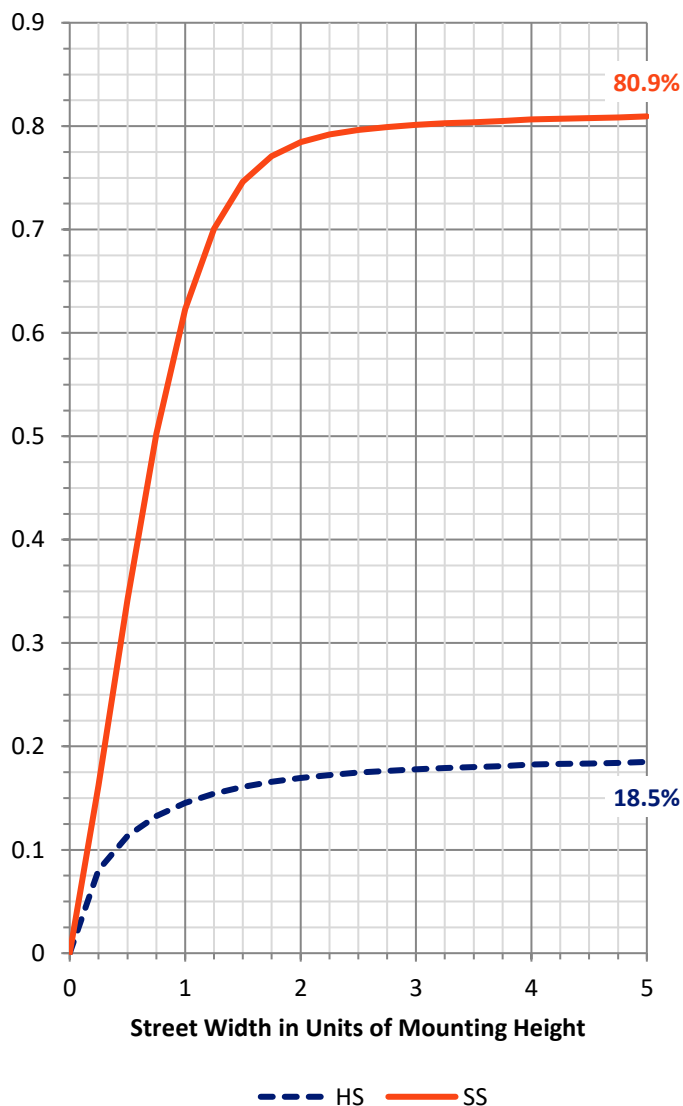
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	723.6	0.0	723.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3117.2	0.0	3117.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	3840.7	0.0	3840.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	1.2
10°-20°	170.5	4.4
20°-30°	353.0	9.2
30°-40°	599.2	15.6
40°-50°	816.0	21.2
50°-60°	825.9	21.5
60°-70°	650.9	16.9
70°-80°	320.7	8.3
80°-90°	59.3	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°	3840.7	100.0
0°-180°	3840.7	100.0



REPORT NUMBER: P672079

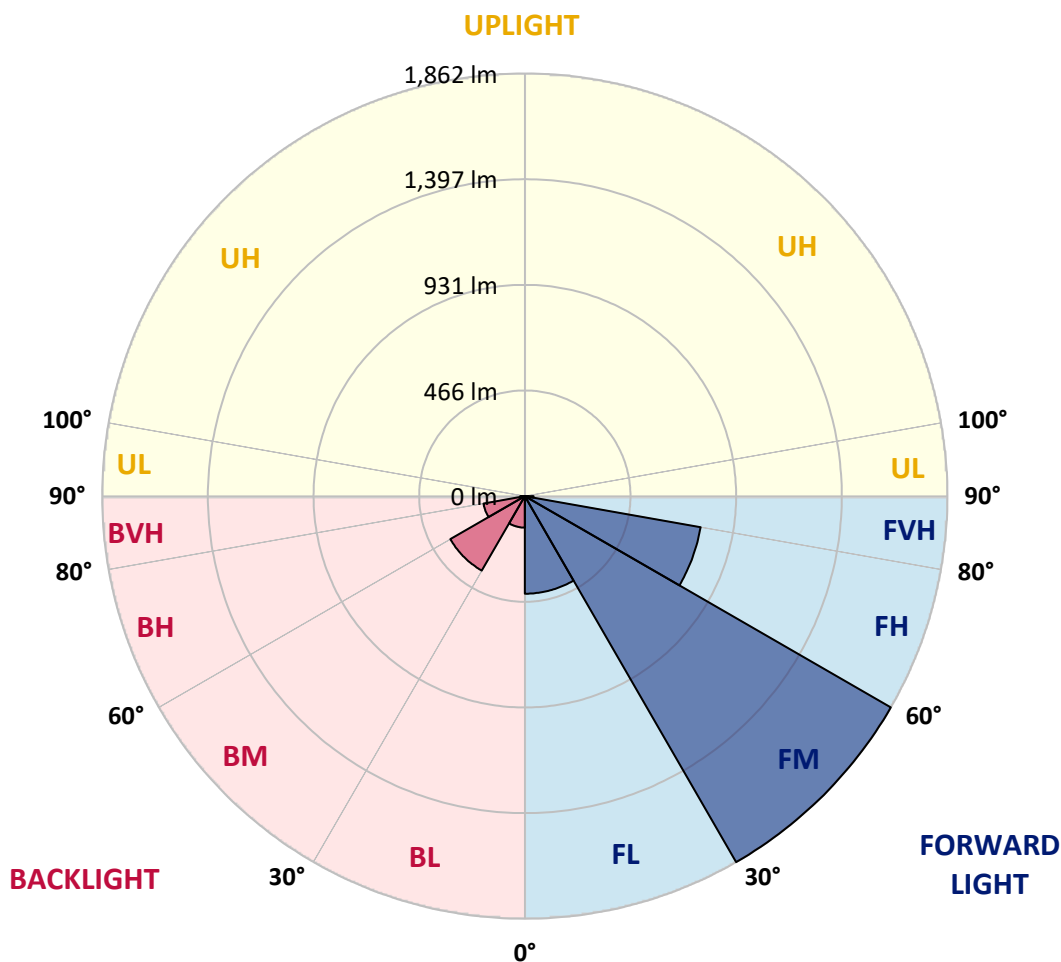
CATALOG NUMBER: CCP-SA-1C-727-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	429.9	11.2			
FM (30°-60°)	1862.1	48.5			
FH (60°-80°)	786.6	20.5			G1/1800
FVH (80°-90°)	38.5	1.0			G1/100
BL (0°-30°)	138.8	3.6	B1/500		
BM (30°-60°)	379.0	9.9	B1/1000		
BH (60°-80°)	185.0	4.8	B1/500		G1/500
BVH (80°-90°)	20.8	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: P672079
 CATALOG NUMBER: CCP-SA-1C-727-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	408.4	408.4	408.4	408.4	408.4	408.4	408.4	408.4	408.4	408.4	408.4
2.5°	543.9	535.6	531.2	526.2	512.4	503.6	487.0	467.6	445.2	426.1	422.5
5°	658.7	650.4	651.5	639.3	619.2	600.3	569.4	532.9	490.3	457.7	446.3
7.5°	739.7	730.6	732.8	727.8	711.5	690.8	651.5	604.5	542.3	493.9	475.6
10°	793.9	795.0	796.7	794.7	784.2	769.6	730.6	678.6	601.2	536.7	511.9
12.5°	855.3	858.4	857.8	858.6	853.1	841.5	803.3	754.4	664.0	582.9	550.6
15°	933.6	930.5	933.0	936.6	930.5	917.8	884.1	826.0	729.8	634.4	594.3
17.5°	1019.3	1012.9	1019.6	1016.0	1011.5	1003.3	966.2	904.3	797.8	689.9	642.9
20°	1093.4	1089.3	1092.8	1093.4	1094.2	1092.6	1054.4	988.6	869.1	750.5	695.5
22.5°	1176.6	1174.7	1174.1	1174.4	1175.3	1177.2	1151.2	1081.0	948.2	814.1	752.2
25°	1293.1	1291.1	1278.4	1264.3	1256.0	1262.1	1248.5	1185.8	1035.6	885.5	814.4
27.5°	1423.6	1420.5	1403.7	1368.0	1341.5	1345.9	1344.5	1301.4	1136.3	967.3	889.0
30°	1559.1	1551.6	1528.4	1478.3	1436.6	1428.8	1432.7	1418.3	1262.9	1076.0	993.0
32.5°	1679.9	1666.1	1635.4	1584.8	1535.0	1512.6	1513.2	1519.5	1400.6	1202.6	1102.0
35°	1753.8	1744.6	1721.7	1670.5	1614.9	1600.0	1595.9	1627.7	1527.0	1319.9	1199.6
37.5°	1793.6	1784.7	1760.1	1718.9	1676.9	1670.8	1678.5	1727.8	1670.5	1466.2	1332.3
40°	1786.4	1777.0	1760.9	1732.2	1704.5	1709.2	1743.5	1819.6	1827.3	1641.2	1521.5
42.5°	1727.2	1717.3	1715.9	1713.9	1700.9	1721.7	1783.6	1886.8	1971.4	1843.4	1750.4
45°	1622.7	1616.6	1623.8	1657.0	1673.3	1713.4	1802.4	1919.4	2098.0	2048.8	1967.0
47.5°	1490.2	1486.6	1502.9	1555.5	1608.3	1687.9	1814.9	1928.2	2185.1	2185.1	2108.8
50°	1342.0	1340.6	1362.2	1438.5	1521.2	1641.2	1813.5	1936.5	2223.3	2225.2	2158.9
52.5°	1135.2	1142.3	1199.9	1300.5	1412.8	1567.9	1794.1	1959.8	2244.9	2249.3	2192.3
55°	896.8	903.7	990.5	1126.0	1269.8	1478.9	1736.3	1952.9	2249.0	2259.0	2211.4
57.5°	715.9	717.3	771.5	932.5	1110.5	1365.0	1669.7	1907.0	2236.9	2280.3	2240.7
60°	560.3	564.7	600.9	728.4	925.8	1218.1	1595.3	1861.6	2243.8	2300.5	2267.3
62.5°	417.3	418.4	452.1	550.8	735.6	1030.9	1494.4	1813.2	2253.4	2323.1	2278.1
65°	271.8	271.6	304.2	393.2	549.5	828.8	1335.9	1737.4	2254.3	2318.2	2228.6
67.5°	172.8	173.9	188.0	244.2	367.8	625.5	1120.2	1596.7	2215.0	2197.6	2048.3
70°	140.2	140.5	144.9	159.6	224.0	427.5	842.0	1376.6	2090.8	1957.3	1780.3
72.5°	125.0	125.3	127.5	129.1	149.3	256.9	552.5	1117.7	1870.2	1668.3	1477.0
75°	112.3	112.3	113.7	112.0	122.5	161.2	313.6	840.4	1540.3	1299.1	1115.8
77.5°	98.4	98.2	98.2	97.3	105.9	117.8	157.1	586.5	1109.4	886.0	723.7
80°	83.5	83.0	83.8	83.2	91.5	89.3	91.5	362.0	601.5	406.2	308.1
82.5°	65.0	65.0	67.5	68.0	75.5	64.7	64.4	171.7	228.4	151.8	113.7
85°	34.0	38.2	51.4	53.6	57.0	40.7	47.3	80.2	91.5	58.1	41.5
87.5°	10.2	10.8	31.5	35.4	35.1	20.5	29.0	38.7	42.9	25.7	16.9
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: P672079
 CATALOG NUMBER: CCP-SA-1C-727-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	408.4	408.4	408.4	408.4	408.4	408.4	408.4	408.4	408.4	408.4	408.4
2.5°	413.4	403.7	383.3	365.0	351.2	337.9	328.8	324.1	318.0	318.8	316.9
5°	426.1	406.2	370.0	340.7	321.1	306.1	297.0	292.3	287.9	285.7	287.3
7.5°	445.2	414.2	363.6	328.2	307.8	295.1	290.1	288.7	287.6	286.8	288.1
10°	469.8	428.3	362.5	323.8	305.0	297.3	295.3	294.5	293.4	292.3	293.1
12.5°	495.0	443.8	366.4	324.9	309.4	303.6	301.1	300.0	297.3	295.9	296.2
15°	526.5	462.6	371.7	329.3	315.2	307.8	304.5	301.4	297.0	295.1	295.9
17.5°	560.3	485.0	378.8	333.5	317.5	308.3	301.7	297.3	292.8	290.1	290.4
20°	598.4	507.2	385.2	334.9	316.4	303.6	295.6	290.4	284.6	281.5	280.7
22.5°	638.0	530.4	390.2	333.8	310.3	295.6	286.5	280.1	273.2	268.5	268.8
25°	686.1	561.9	394.3	329.9	302.2	285.1	274.9	266.9	259.7	255.2	255.5
27.5°	743.9	597.6	399.3	323.8	292.6	273.8	261.9	253.9	246.9	242.8	242.2
30°	821.0	644.0	404.8	316.4	280.4	261.3	249.7	241.4	234.8	230.9	230.9
32.5°	907.9	700.7	408.7	307.5	266.9	248.0	237.5	230.9	225.9	220.7	220.1
35°	983.3	744.7	420.6	300.6	255.0	235.6	228.4	223.7	216.2	211.3	210.4
37.5°	1094.2	822.1	455.7	298.7	240.6	225.9	224.5	215.7	207.1	197.7	196.9
40°	1272.9	956.2	496.6	289.3	225.6	220.7	219.3	207.4	187.2	181.4	180.3
42.5°	1500.2	1117.7	501.1	261.9	215.1	216.2	212.1	188.9	180.0	175.6	174.5
45°	1705.4	1248.8	475.9	233.9	207.4	209.6	201.0	182.0	177.0	172.8	171.7
47.5°	1820.7	1289.2	428.3	212.9	201.6	203.8	183.3	178.6	173.7	169.5	168.4
50°	1853.0	1254.1	373.0	200.8	197.2	198.0	178.6	175.9	171.4	168.1	166.5
52.5°	1859.4	1201.5	321.9	193.6	193.8	186.4	174.5	172.3	169.5	164.3	162.3
55°	1862.2	1154.2	276.0	189.1	191.6	171.4	170.1	168.4	166.2	160.7	159.6
57.5°	1869.3	1093.7	240.0	185.8	188.9	164.5	165.1	164.0	161.2	158.7	158.2
60°	1848.9	1009.9	212.4	182.5	185.0	158.7	159.3	159.8	157.3	156.8	156.5
62.5°	1780.3	891.0	188.9	178.1	177.0	152.9	152.9	155.1	152.9	153.8	153.8
65°	1639.0	739.4	167.9	169.8	164.5	146.6	146.3	150.2	146.8	150.4	150.7
67.5°	1398.1	559.7	146.3	156.8	151.5	139.9	141.0	144.1	139.6	147.1	147.1
70°	1106.7	380.8	123.9	138.5	138.3	132.5	136.1	135.8	130.8	141.9	139.9
72.5°	824.3	244.5	100.9	116.1	120.8	124.4	131.1	125.3	120.6	126.9	121.1
75°	576.0	153.2	79.6	91.8	100.7	115.6	125.0	113.4	106.5	104.5	102.9
77.5°	344.8	97.9	62.8	70.0	78.5	105.1	117.2	100.9	90.4	89.3	86.0
80°	159.0	63.9	47.8	52.3	55.9	90.1	106.7	86.3	73.6	72.5	68.6
82.5°	71.9	42.0	35.7	37.3	37.6	71.6	90.1	68.3	56.1	91.0	78.8
85°	33.5	27.1	23.2	22.1	22.4	47.8	65.5	47.0	63.9	49.8	37.9
87.5°	14.4	13.8	11.9	9.4	8.6	10.2	25.2	19.6	27.9	11.1	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

(END OF REPORT)