

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: P672147

Luminaire Tested: **CCP-SA-1E-827-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672147
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-827-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

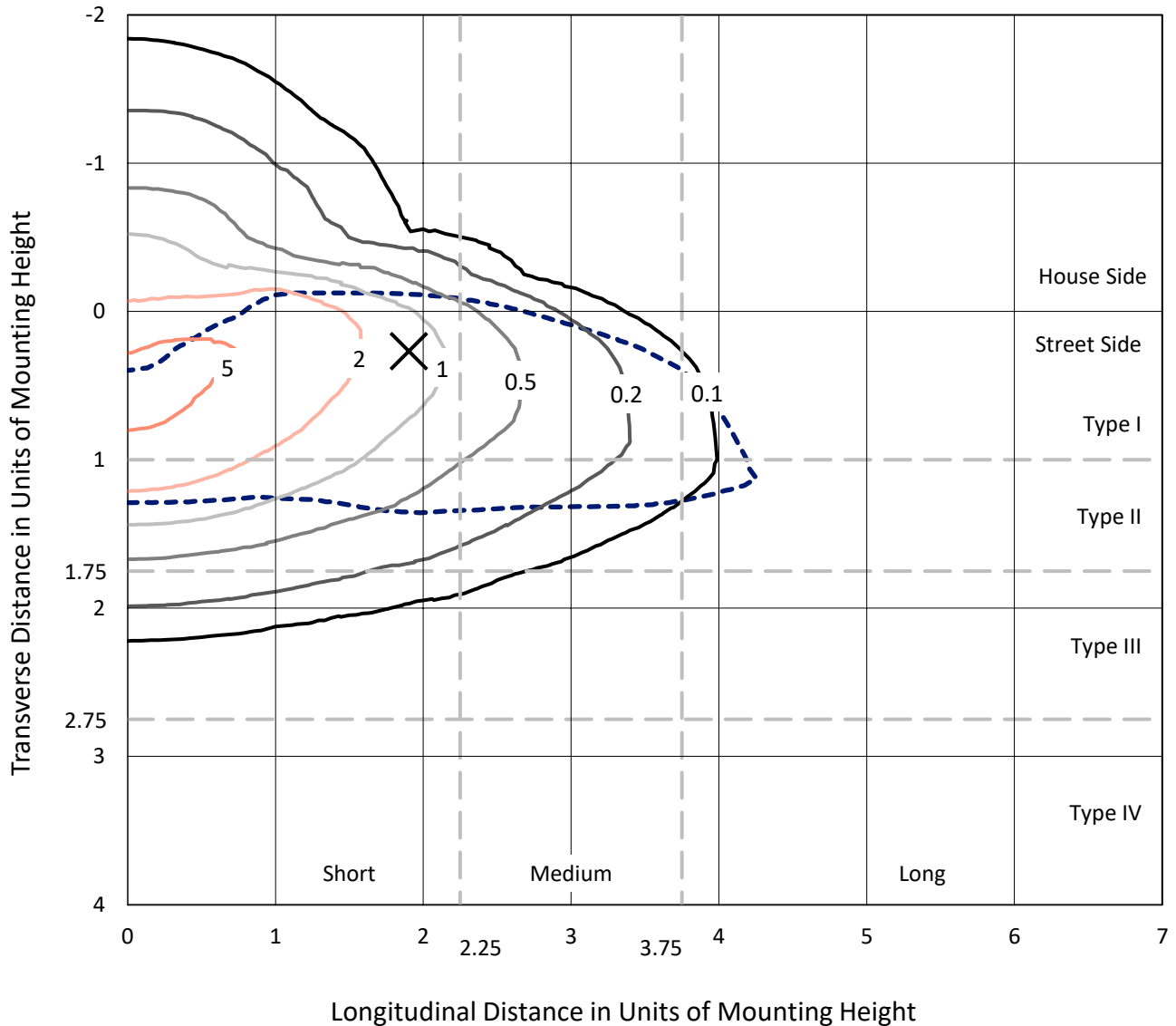
Lumens per Lamp: N/A
Luminaire Lumens: 5105.1 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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: P672147
 CATALOG NUMBER: CCP-SA-1E-827-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

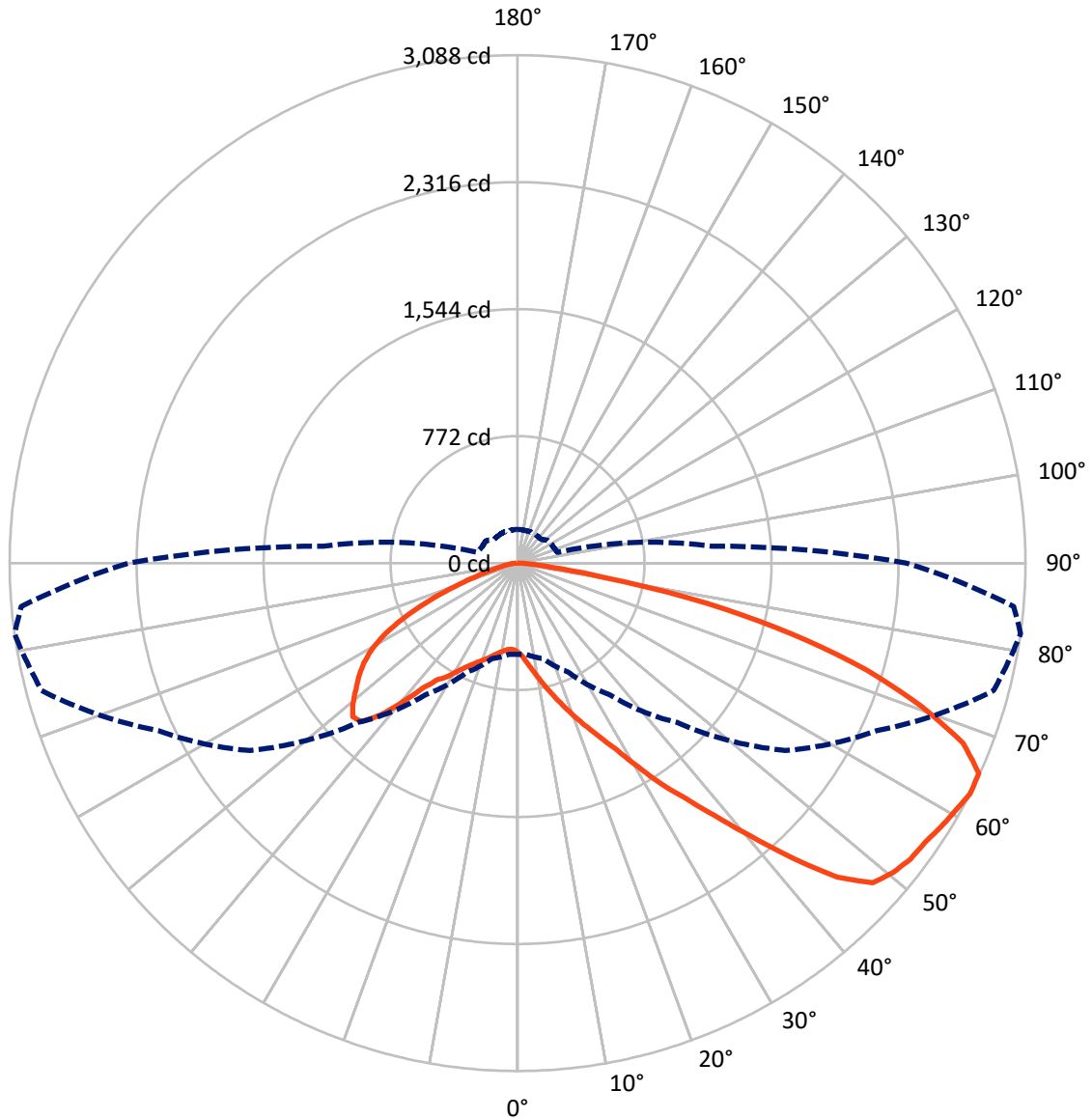
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - N/A

REPORT NUMBER: P672147
CATALOG NUMBER: CCP-SA-1E-827-U-T2R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672147

CATALOG NUMBER: CCP-SA-1E-827-U-T2R

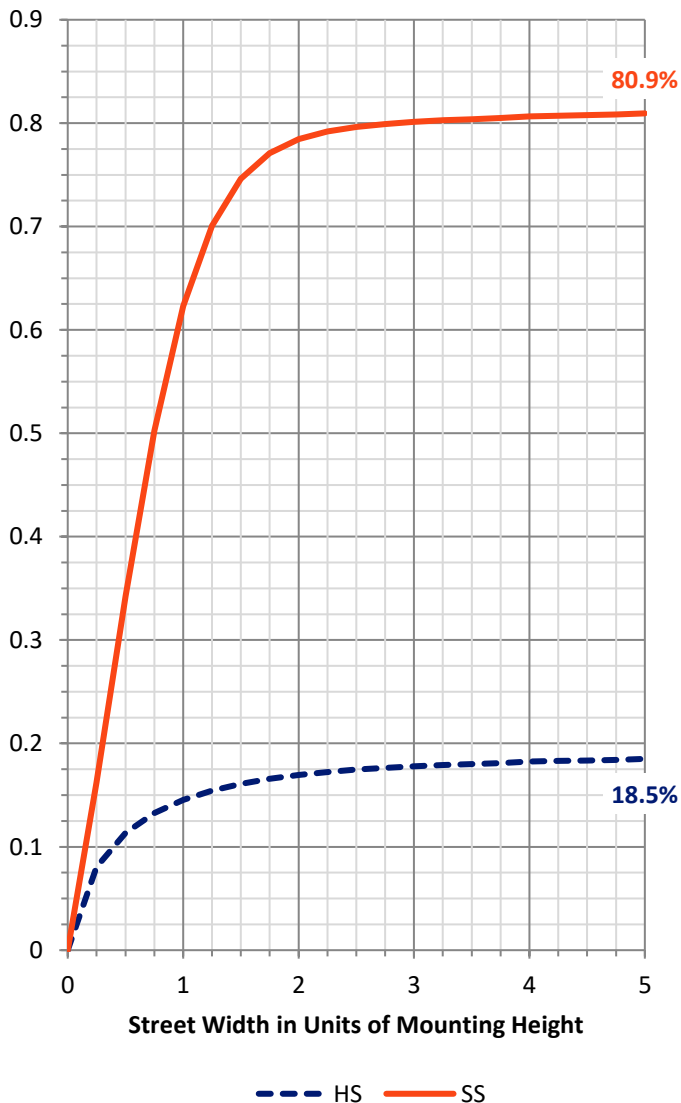
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	961.8	0.0	961.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4143.3	0.0	4143.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	5105.1	0.0	5105.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.2
10°-20°	226.6	4.4
20°-30°	469.3	9.2
30°-40°	796.5	15.6
40°-50°	1084.6	21.2
50°-60°	1097.8	21.5
60°-70°	865.2	16.9
70°-80°	426.2	8.3
80°-90°	78.8	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°	5105.1	100.0
0°-180°	5105.1	100.0

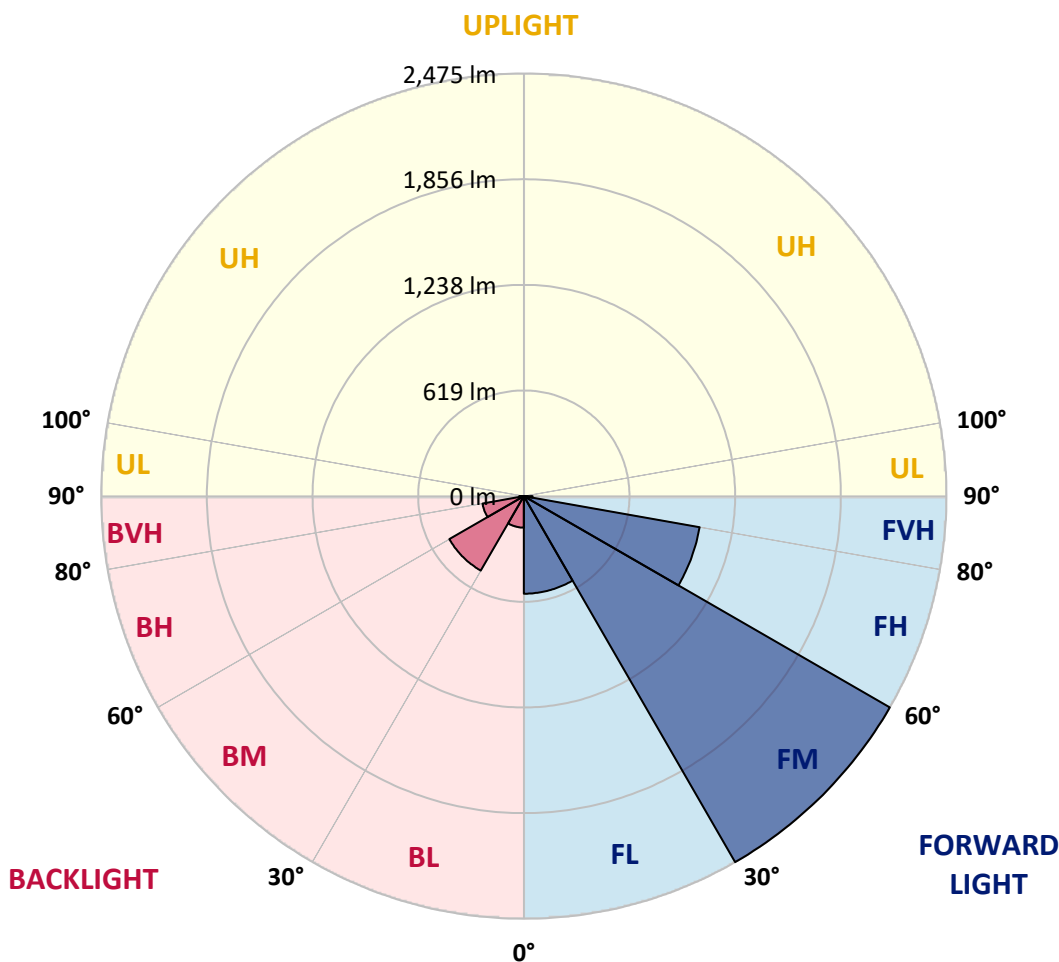


REPORT NUMBER: P672147
 CATALOG NUMBER: CCP-SA-1E-827-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	571.4	11.2			
FM (30°-60°)	2475.1	48.5			
FH (60°-80°)	1045.6	20.5			G1/1800
FVH (80°-90°)	51.2	1.0			G1/100
BL (0°-30°)	184.5	3.6	B1/500		
BM (30°-60°)	503.8	9.9	B1/1000		
BH (60°-80°)	245.9	4.8	B1/500		G1/500
BVH (80°-90°)	27.6	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: P672147
 CATALOG NUMBER: CCP-SA-1E-827-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	542.9	542.9	542.9	542.9	542.9	542.9	542.9	542.9	542.9	542.9	542.9
2.5°	723.0	712.0	706.1	699.5	681.1	669.3	647.3	621.6	591.8	566.4	561.6
5°	875.5	864.5	866.0	849.8	823.0	798.0	756.8	708.3	651.7	608.3	593.3
7.5°	983.2	971.1	974.1	967.4	945.7	918.2	866.0	803.5	720.8	656.5	632.2
10°	1055.3	1056.8	1059.0	1056.4	1042.4	1022.9	971.1	902.0	799.1	713.4	680.4
12.5°	1136.9	1140.9	1140.2	1141.3	1133.9	1118.5	1067.8	1002.7	882.5	774.8	731.8
15°	1240.9	1236.9	1240.2	1244.9	1236.9	1220.0	1175.1	1097.9	970.0	843.2	789.9
17.5°	1354.8	1346.4	1355.2	1350.4	1344.6	1333.5	1284.3	1201.9	1060.4	917.1	854.6
20°	1453.4	1447.8	1452.6	1453.4	1454.5	1452.3	1401.5	1314.0	1155.3	997.6	924.4
22.5°	1564.0	1561.4	1560.7	1561.1	1562.2	1564.7	1530.2	1436.8	1260.4	1082.1	999.8
25°	1718.7	1716.2	1699.3	1680.5	1669.5	1677.6	1659.6	1576.1	1376.5	1176.9	1082.5
27.5°	1892.2	1888.2	1865.8	1818.3	1783.1	1788.9	1787.1	1729.8	1510.3	1285.7	1181.7
30°	2072.3	2062.4	2031.5	1965.0	1909.5	1899.2	1904.4	1885.2	1678.7	1430.2	1319.9
32.5°	2233.0	2214.6	2173.8	2106.5	2040.4	2010.6	2011.3	2019.8	1861.7	1598.5	1464.8
35°	2331.1	2319.0	2288.5	2220.5	2146.6	2126.7	2121.2	2163.5	2029.7	1754.4	1594.5
37.5°	2384.0	2372.3	2339.6	2284.8	2228.9	2220.8	2231.1	2296.6	2220.5	1948.8	1770.9
40°	2374.5	2362.0	2340.7	2302.4	2265.7	2271.9	2317.5	2418.6	2428.9	2181.5	2022.3
42.5°	2295.8	2282.6	2280.7	2278.2	2260.9	2288.5	2370.8	2507.9	2620.4	2450.2	2326.7
45°	2156.9	2148.8	2158.3	2202.5	2224.1	2277.4	2395.8	2551.3	2788.7	2723.3	2614.5
47.5°	1980.8	1976.0	1997.7	2067.6	2137.8	2243.6	2412.3	2563.0	2904.5	2904.5	2803.1
50°	1783.8	1782.0	1810.6	1912.1	2022.0	2181.5	2410.5	2574.1	2955.2	2957.8	2869.6
52.5°	1508.9	1518.4	1594.9	1728.7	1877.9	2084.1	2384.8	2604.9	2983.9	2989.8	2914.1
55°	1192.0	1201.2	1316.6	1496.7	1687.9	1965.7	2307.9	2595.8	2989.4	3002.6	2939.4
57.5°	951.6	953.5	1025.5	1239.4	1476.1	1814.3	2219.4	2534.7	2973.2	3031.0	2978.4
60°	744.7	750.6	798.7	968.2	1230.6	1619.1	2120.5	2474.5	2982.4	3057.8	3013.7
62.5°	554.7	556.1	601.0	732.2	977.7	1370.3	1986.3	2410.1	2995.3	3087.9	3028.0
65°	361.3	361.0	404.3	522.7	730.4	1101.6	1775.7	2309.4	2996.4	3081.3	2962.2
67.5°	229.7	231.2	249.9	324.6	488.9	831.4	1489.0	2122.3	2944.2	2921.0	2722.6
70°	186.4	186.7	192.6	212.1	297.7	568.3	1119.2	1829.7	2779.2	2601.6	2366.4
72.5°	166.1	166.5	169.4	171.7	198.5	341.5	734.4	1485.7	2485.9	2217.5	1963.2
75°	149.2	149.2	151.1	148.9	162.8	214.3	416.8	1117.0	2047.3	1726.8	1483.1
77.5°	130.9	130.5	130.5	129.4	140.8	156.6	208.8	779.6	1474.7	1177.7	961.9
80°	111.0	110.3	111.4	110.6	121.7	118.7	121.7	481.1	799.5	540.0	409.5
82.5°	86.4	86.4	89.7	90.4	100.3	86.0	85.6	228.3	303.6	201.8	151.1
85°	45.2	50.7	68.4	71.3	75.7	54.0	62.9	106.6	121.7	77.2	55.1
87.5°	13.6	14.3	41.9	47.0	46.7	27.2	38.6	51.5	57.0	34.2	22.4
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: P672147
 CATALOG NUMBER: CCP-SA-1E-827-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	542.9	542.9	542.9	542.9	542.9	542.9	542.9	542.9	542.9	542.9	542.9
2.5°	549.5	536.6	509.4	485.2	466.8	449.2	437.0	430.8	422.7	423.8	421.2
5°	566.4	540.0	491.8	452.8	426.7	406.9	394.8	388.5	382.6	379.7	381.9
7.5°	591.8	550.6	483.3	436.3	409.1	392.2	385.6	383.7	382.3	381.2	383.0
10°	624.5	569.4	481.9	430.4	405.4	395.1	392.6	391.5	390.0	388.5	389.6
12.5°	657.9	589.9	487.0	431.9	411.3	403.6	400.3	398.8	395.1	393.3	393.7
15°	699.8	614.9	494.0	437.8	419.0	409.1	404.7	400.6	394.8	392.2	393.3
17.5°	744.7	644.7	503.6	443.3	422.0	409.8	401.0	395.1	389.3	385.6	385.9
20°	795.4	674.1	512.0	445.1	420.5	403.6	392.9	385.9	378.2	374.2	373.1
22.5°	848.0	705.0	518.6	443.7	412.4	392.9	380.8	372.3	363.2	356.9	357.3
25°	911.9	746.9	524.1	438.5	401.7	379.0	365.4	354.7	345.1	339.3	339.6
27.5°	988.8	794.3	530.8	430.4	388.9	363.9	348.1	337.4	328.2	322.7	322.0
30°	1091.3	856.1	538.1	420.5	372.7	347.4	331.9	320.9	312.1	306.9	306.9
32.5°	1206.7	931.4	543.3	408.7	354.7	329.7	315.7	306.9	300.3	293.3	292.6
35°	1307.1	989.9	559.1	399.5	338.9	313.2	303.6	297.4	287.4	280.8	279.7
37.5°	1454.5	1092.8	605.7	397.0	319.8	300.3	298.5	286.7	275.3	262.8	261.7
40°	1691.9	1271.0	660.1	384.5	299.9	293.3	291.5	275.7	248.8	241.1	239.7
42.5°	1994.0	1485.7	666.0	348.1	286.0	287.4	281.9	251.0	239.3	233.4	231.9
45°	2266.8	1659.9	632.6	311.0	275.7	278.6	267.2	241.9	235.2	229.7	228.3
47.5°	2420.1	1713.6	569.4	283.0	268.0	270.9	243.7	237.4	230.8	225.3	223.8
50°	2463.1	1666.9	495.8	266.9	262.1	263.2	237.4	233.8	227.9	223.5	221.3
52.5°	2471.5	1597.1	427.8	257.3	257.7	247.7	231.9	229.0	225.3	218.3	215.8
55°	2475.2	1534.2	366.8	251.4	254.7	227.9	226.1	223.8	220.9	213.6	212.1
57.5°	2484.7	1453.7	319.0	247.0	251.0	218.7	219.4	218.0	214.3	211.0	210.2
60°	2457.5	1342.4	282.3	242.6	245.9	211.0	211.7	212.5	209.1	208.4	208.0
62.5°	2366.4	1184.3	251.0	236.7	235.2	203.3	203.3	206.2	203.3	204.4	204.4
65°	2178.6	982.9	223.1	225.7	218.7	194.8	194.4	199.6	195.2	200.0	200.3
67.5°	1858.4	744.0	194.4	208.4	201.4	186.0	187.5	191.5	185.6	195.5	195.5
70°	1471.0	506.1	164.7	184.2	183.8	176.1	180.8	180.5	173.9	188.6	186.0
72.5°	1095.7	324.9	134.2	154.4	160.6	165.4	174.2	166.5	160.3	168.7	161.0
75°	765.6	203.6	105.9	122.0	133.8	153.6	166.1	150.7	141.5	138.9	136.7
77.5°	458.4	130.1	83.4	93.0	104.4	139.7	155.8	134.2	120.2	118.7	114.3
80°	211.4	84.9	63.6	69.5	74.2	119.8	141.9	114.7	97.8	96.3	91.2
82.5°	95.6	55.9	47.4	49.6	50.0	95.2	119.8	90.8	74.6	120.9	104.8
85°	44.5	36.0	30.9	29.4	29.8	63.6	87.1	62.5	84.9	66.2	50.4
87.5°	19.1	18.4	15.8	12.5	11.4	13.6	33.4	26.1	37.1	14.7	9.9
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)