

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: P674529

Luminaire Tested: **CCP-SA-1E-727-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674529
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-727-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

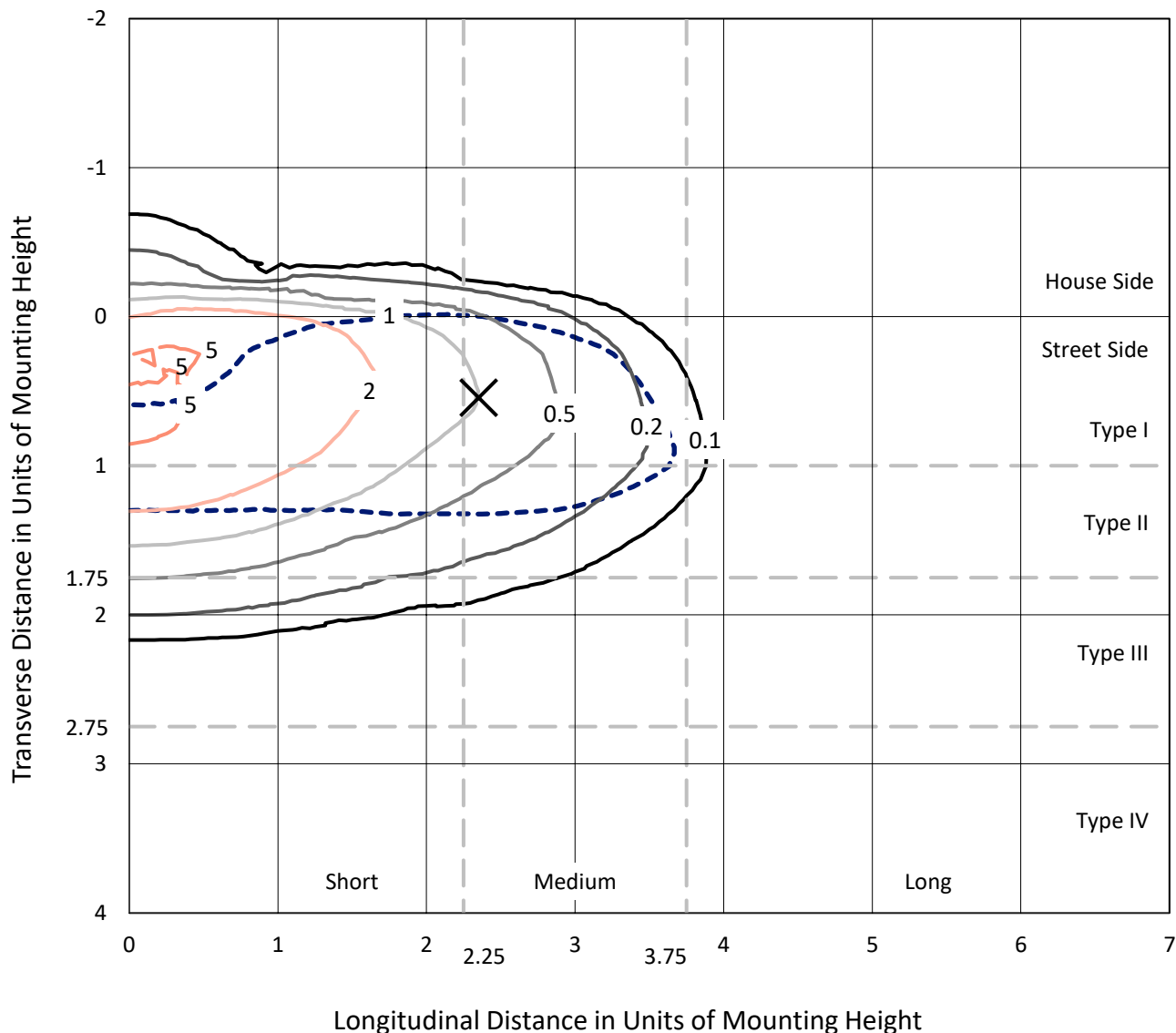
Lumens per Lamp: N/A
Luminaire Lumens: 4629.7 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 56.1
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

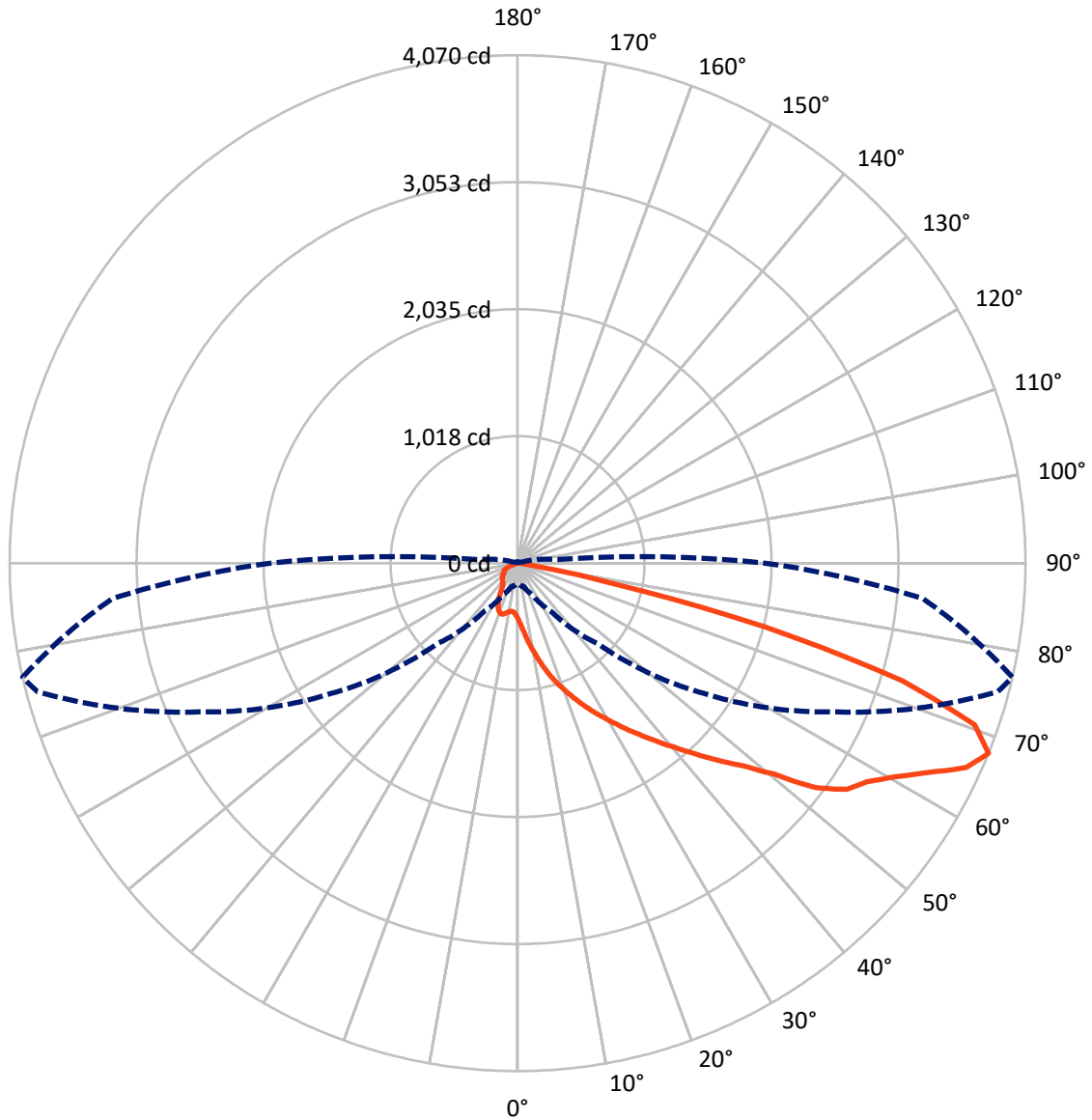
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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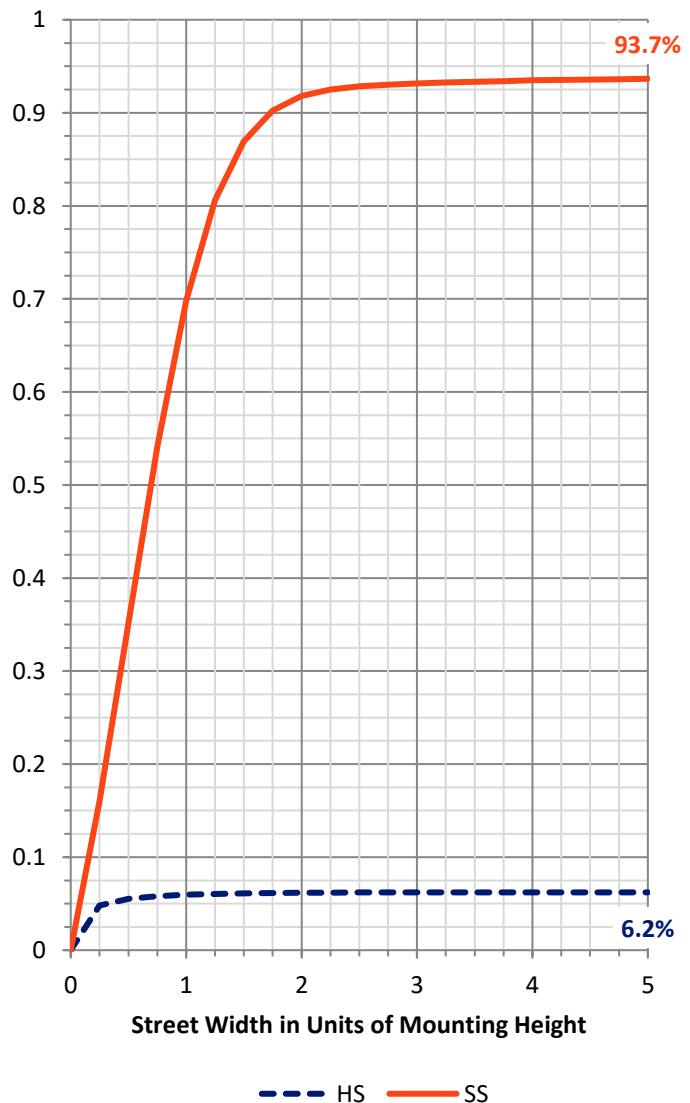
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	289.3	0.0	289.3
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4340.4	0.0	4340.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	4629.7	0.0	4629.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.1
10°-20°	192.7	4.2
20°-30°	376.5	8.1
30°-40°	658.3	14.2
40°-50°	960.0	20.7
50°-60°	1122.6	24.2
60°-70°	910.0	19.7
70°-80°	341.9	7.4
80°-90°	15.5	0.3
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°	4629.7	100.0
0°-180°	4629.7	100.0



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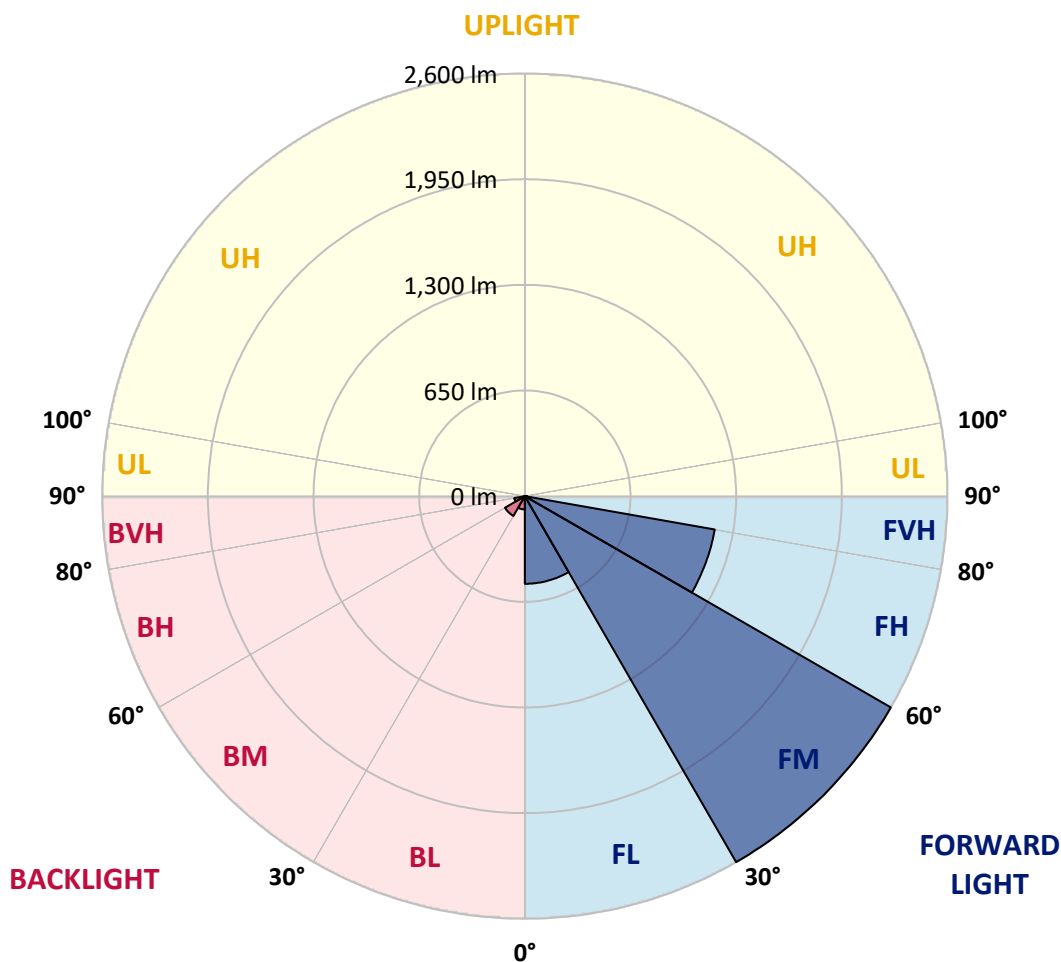
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	539.3	11.6			
FM (30°-60°)	2600.2	56.2			
FH (60°-80°)	1186.3	25.6			G1/1800
FVH (80°-90°)	14.6	0.3			G1/100
BL (0°-30°)	82.0	1.8	B0/110		
BM (30°-60°)	140.8	3.0	B0/220		
BH (60°-80°)	65.6	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	443.4	443.4	443.4	443.4	443.4	443.4	443.4	443.4	443.4	443.4	443.4
2.5°	665.8	641.5	646.1	636.1	623.2	593.1	561.3	529.5	501.1	494.8	466.4
5°	852.6	845.1	837.1	830.5	803.3	765.7	708.4	635.7	570.1	558.8	499.9
7.5°	997.6	986.4	993.5	973.0	944.6	908.2	835.5	757.7	656.6	639.9	548.3
10°	1104.6	1098.4	1101.7	1092.1	1078.3	1041.9	970.1	872.7	755.6	723.9	602.7
12.5°	1184.9	1186.1	1200.8	1201.6	1190.3	1160.6	1084.6	983.0	845.5	817.1	662.9
15°	1243.4	1244.6	1262.6	1281.8	1294.8	1279.3	1210.4	1096.7	951.2	912.4	726.0
17.5°	1253.0	1253.8	1285.6	1324.5	1364.6	1378.0	1324.9	1209.5	1047.8	1003.5	798.3
20°	1259.3	1266.4	1294.8	1339.5	1403.0	1444.4	1415.6	1317.8	1141.4	1090.0	869.3
22.5°	1335.3	1335.3	1352.1	1383.8	1434.4	1499.2	1493.3	1417.3	1232.5	1181.5	940.0
25°	1496.7	1496.7	1480.4	1472.0	1499.2	1550.2	1564.8	1523.4	1336.6	1276.4	1014.4
27.5°	1710.2	1710.2	1684.7	1623.3	1599.9	1621.2	1636.7	1615.8	1432.7	1373.4	1092.9
30°	1931.7	1939.3	1895.0	1816.8	1734.9	1718.6	1703.5	1698.9	1535.1	1468.2	1172.8
32.5°	2154.1	2153.3	2098.1	2000.7	1893.7	1836.0	1787.1	1781.7	1643.8	1578.2	1248.4
35°	2331.7	2332.1	2274.0	2174.2	2050.4	1976.9	1898.3	1872.8	1762.9	1689.8	1338.7
37.5°	2485.5	2476.7	2414.1	2319.2	2203.8	2127.8	2030.0	1963.5	1886.2	1811.8	1429.0
40°	2573.7	2562.0	2501.0	2410.7	2323.4	2265.3	2179.2	2073.0	2021.6	1941.4	1531.8
42.5°	2586.7	2576.6	2536.1	2481.8	2410.3	2359.3	2336.3	2196.7	2163.7	2091.0	1654.6
45°	2550.3	2534.0	2520.6	2492.2	2472.1	2447.5	2478.8	2328.4	2326.7	2254.4	1776.3
47.5°	2460.0	2437.9	2441.2	2472.6	2495.1	2517.3	2615.1	2501.0	2491.0	2423.2	1935.9
50°	2305.8	2294.9	2331.7	2393.6	2483.0	2571.6	2750.9	2677.4	2717.1	2653.5	2156.2
52.5°	1992.3	2005.7	2115.6	2264.4	2419.1	2597.1	2878.4	2940.7	3042.2	2990.0	2377.7
55°	1616.2	1611.2	1757.9	2022.0	2269.0	2580.8	2934.0	3095.7	3255.4	3200.6	2501.0
57.5°	1301.9	1310.7	1409.7	1670.9	2014.5	2455.0	2946.9	3176.8	3341.1	3304.7	2615.1
60°	977.2	985.5	1075.8	1303.2	1676.0	2192.5	2839.9	3205.2	3502.0	3474.4	2797.3
62.5°	621.9	632.8	723.5	944.6	1281.0	1784.6	2599.6	3175.6	3670.0	3693.0	3046.0
65°	305.9	315.5	382.4	551.7	856.4	1334.5	2264.4	3062.3	3884.0	3949.6	3245.3
67.5°	169.3	173.9	196.9	280.9	477.7	915.3	1819.7	2820.3	3982.2	4070.0	3258.7
70°	131.7	132.9	141.7	163.8	232.8	537.1	1294.4	2417.4	3778.6	3884.8	2987.5
72.5°	110.8	112.4	116.6	124.1	145.4	279.6	813.3	1868.2	3179.3	3227.4	2311.2
75°	81.1	83.6	95.3	102.0	114.9	169.7	358.6	1122.6	2101.0	2053.8	1293.1
77.5°	68.1	70.2	73.1	82.8	94.9	115.8	125.8	470.6	855.1	743.5	339.4
80°	46.4	48.9	56.8	61.9	80.2	76.5	52.2	126.2	171.8	140.0	65.2
82.5°	33.0	35.1	39.3	50.6	58.1	40.5	28.4	38.5	41.4	39.3	21.3
85°	10.4	13.4	28.4	41.8	31.3	13.8	18.0	14.6	13.0	12.5	8.4
87.5°	2.1	2.1	14.2	16.7	12.5	7.1	6.3	4.6	5.9	5.9	4.6
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°	443.4	443.4	443.4	443.4	443.4	443.4	443.4	443.4	443.4	443.4	443.4
2.5°	453.1	434.2	407.1	381.6	355.7	337.3	324.3	311.4	306.4	304.3	298.8
5°	473.1	437.2	383.3	339.8	308.0	288.0	275.8	265.4	258.7	256.6	253.7
7.5°	502.0	450.1	372.8	322.7	290.9	269.2	249.5	226.9	209.0	201.9	198.9
10°	533.3	469.8	374.5	319.3	277.1	229.5	185.6	149.2	133.3	127.5	123.3
12.5°	579.3	491.5	381.6	315.5	235.7	163.8	118.7	103.7	99.9	99.1	98.2
15°	625.2	522.0	393.3	290.5	176.0	111.6	98.6	93.2	91.1	89.0	89.0
17.5°	671.6	551.3	397.9	241.6	121.6	96.5	89.9	85.3	81.9	80.2	79.0
20°	723.9	582.2	384.5	181.8	97.4	88.2	80.7	75.2	72.3	70.6	69.4
22.5°	780.3	612.7	355.3	126.6	88.6	79.4	72.3	66.9	63.9	62.3	61.9
25°	833.4	639.0	308.4	95.3	79.8	71.1	64.4	59.8	57.7	56.0	55.6
27.5°	888.1	661.6	247.4	84.0	72.7	64.4	57.7	53.9	51.8	50.6	50.2
30°	941.6	677.1	184.3	76.9	66.5	58.1	52.2	49.3	47.2	46.0	45.6
32.5°	996.8	685.8	124.5	70.6	60.2	52.7	47.6	44.7	43.5	42.2	42.2
35°	1049.9	684.6	89.9	64.8	55.2	47.6	43.0	41.0	40.5	39.3	39.3
37.5°	1108.0	675.8	76.5	59.3	49.7	43.0	39.3	38.0	37.6	36.8	36.4
40°	1174.0	656.2	69.8	55.2	45.1	39.3	35.9	35.1	34.7	33.9	33.9
42.5°	1246.3	630.7	66.0	50.6	41.4	35.5	33.0	31.8	31.3	30.5	30.5
45°	1330.3	606.4	63.5	46.0	38.0	32.6	30.1	28.8	28.4	27.6	27.6
47.5°	1444.8	592.6	59.3	41.8	34.3	29.7	27.2	26.3	25.5	24.7	24.7
50°	1602.4	576.3	53.9	37.6	31.3	26.7	25.1	23.8	23.4	22.6	22.6
52.5°	1732.0	541.7	48.5	33.4	28.0	24.7	23.0	22.2	21.3	20.9	20.9
55°	1777.5	501.1	43.0	30.1	25.5	23.0	21.3	20.5	20.1	19.6	19.6
57.5°	1850.2	488.2	38.0	26.7	23.0	21.3	19.6	19.2	18.8	18.4	18.0
60°	1974.4	495.7	33.4	23.8	20.9	19.2	18.0	17.6	16.7	15.9	15.9
62.5°	2094.7	486.5	28.4	20.9	18.0	17.1	15.9	15.0	13.4	12.1	11.3
65°	2124.0	425.1	24.7	17.6	15.0	14.2	13.0	11.3	8.8	7.1	7.1
67.5°	1982.3	323.1	21.3	15.0	12.5	11.7	9.2	7.5	5.4	4.2	4.2
70°	1635.8	204.8	17.6	11.7	10.4	7.9	5.9	5.4	3.8	3.3	2.9
72.5°	1180.3	112.0	14.6	9.6	7.5	5.0	4.2	3.3	2.5	1.7	1.7
75°	597.7	52.7	10.9	7.5	5.0	3.3	2.5	1.7	1.7	1.3	1.3
77.5°	169.3	24.2	7.1	5.0	3.3	2.1	1.7	1.3	1.3	0.8	0.8
80°	33.4	12.1	4.6	3.3	2.5	1.7	1.3	0.8	0.8	0.4	0.4
82.5°	12.1	6.3	3.3	2.5	2.1	1.7	0.8	0.4	0.4	0.0	0.0
85°	6.3	3.3	2.5	2.1	1.7	1.3	0.8	0.4	0.0	0.0	0.0
87.5°	3.3	2.5	2.1	2.1	1.7	1.3	0.8	0.4	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)