

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: P674389

Luminaire Tested: **CCP-SA-2C-727-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674389
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-727-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

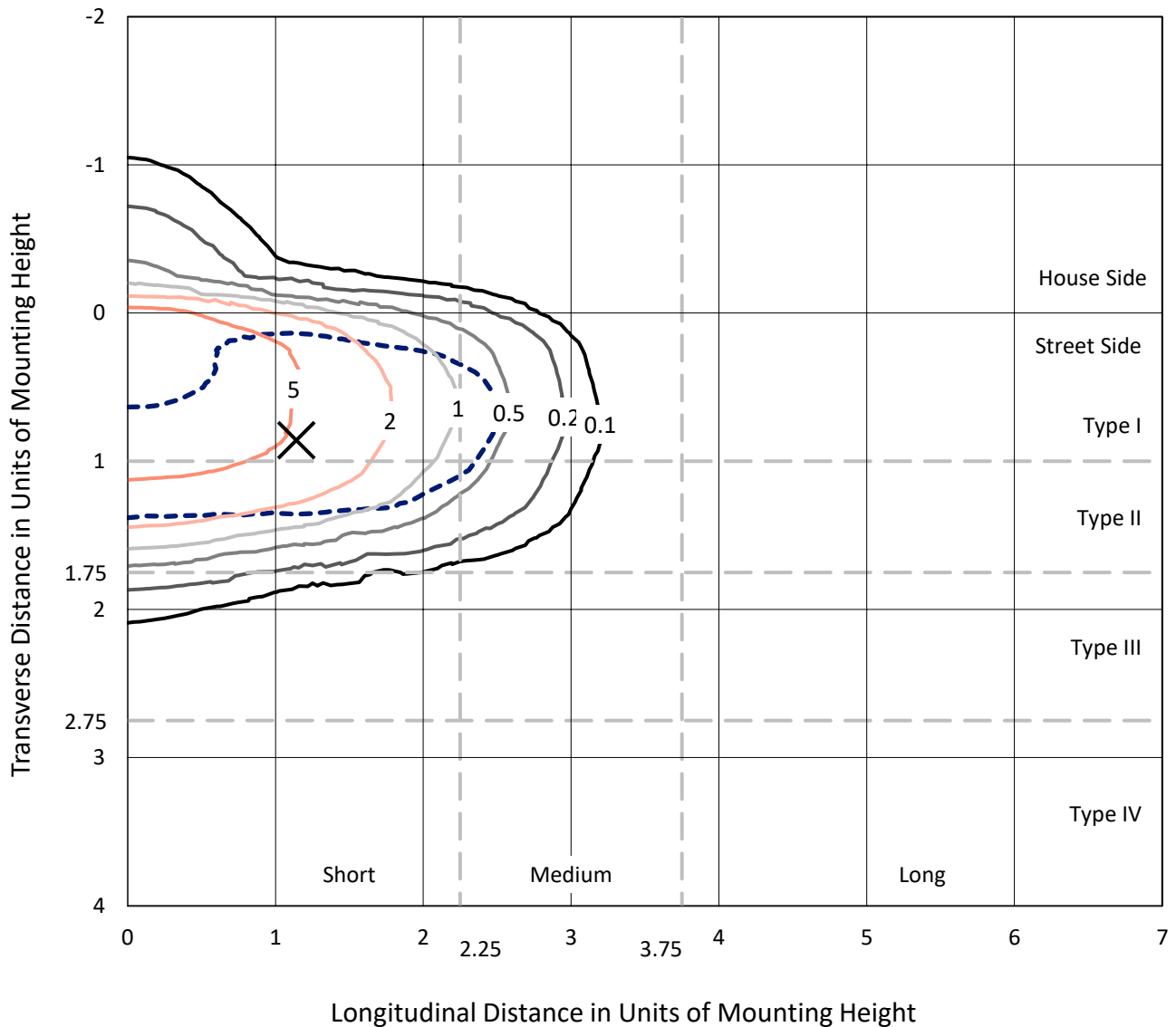
Lumens per Lamp: N/A
Luminaire Lumens: 6270.3 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1
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

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Iso-Footcandle Lines of Horizontal Illumination

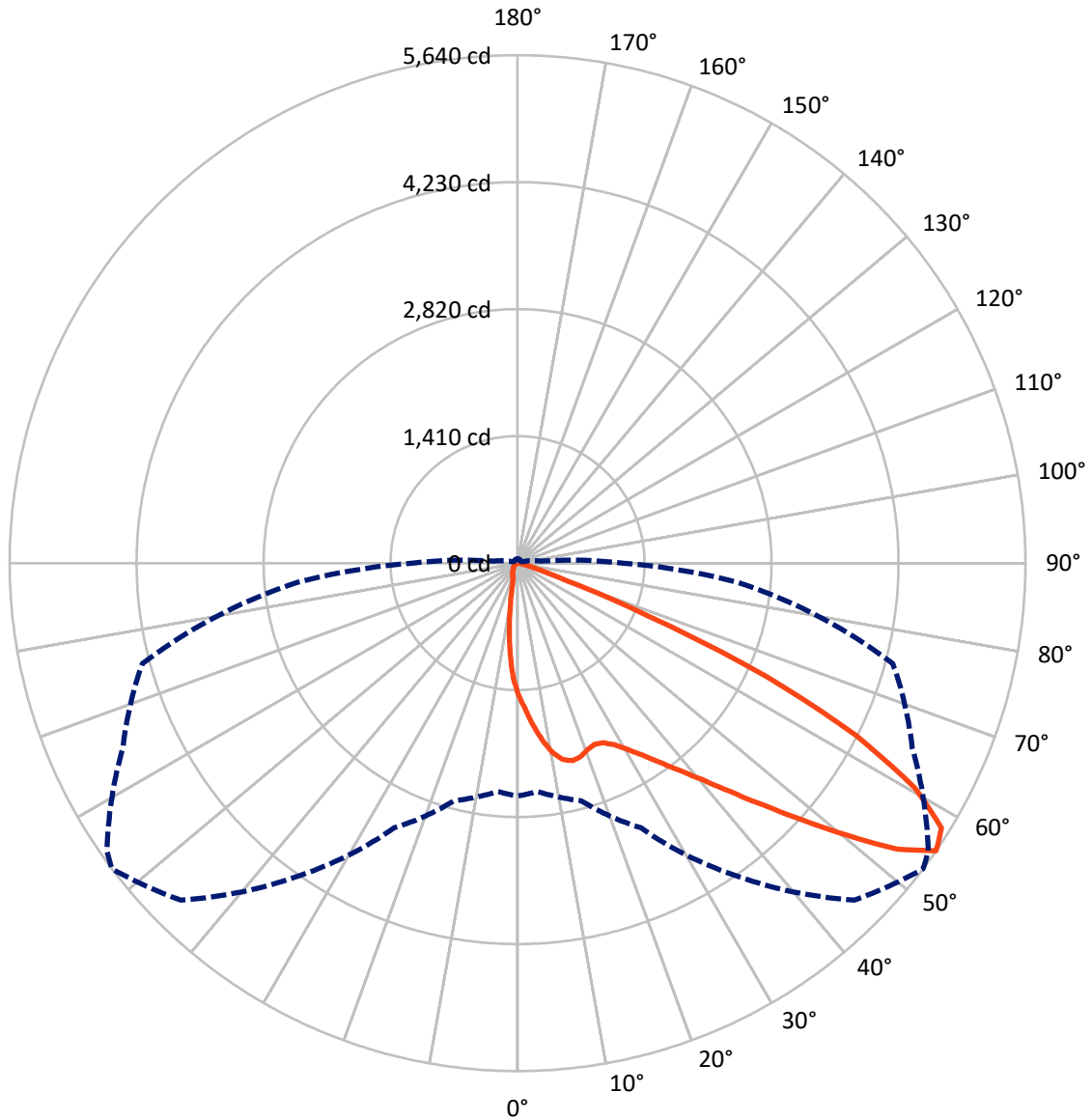
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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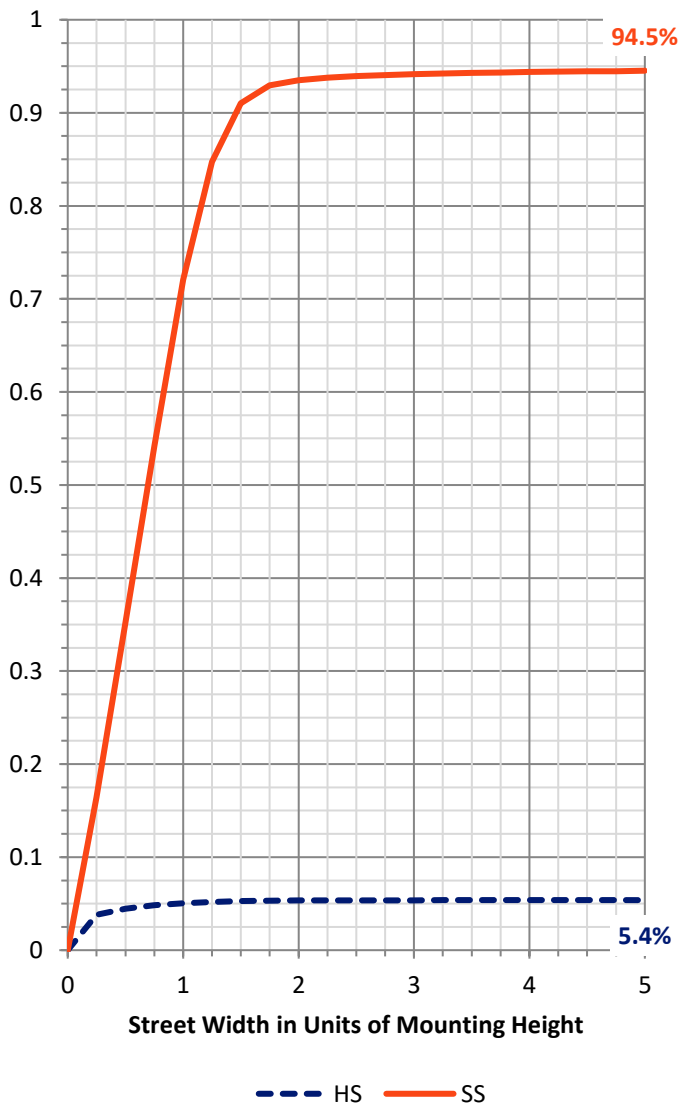
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	338.9	0.0	338.9
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	5931.4	0.0	5931.4
	% Fixture	94.6	0.0	94.6
Total	Lumens	6270.3	0.0	6270.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.2	2.1
10°-20°	342.8	5.5
20°-30°	573.8	9.2
30°-40°	938.7	15.0
40°-50°	1508.9	24.1
50°-60°	1703.6	27.2
60°-70°	908.7	14.5
70°-80°	149.3	2.4
80°-90°	13.4	0.2
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°	6270.3	100.0
0°-180°	6270.3	100.0



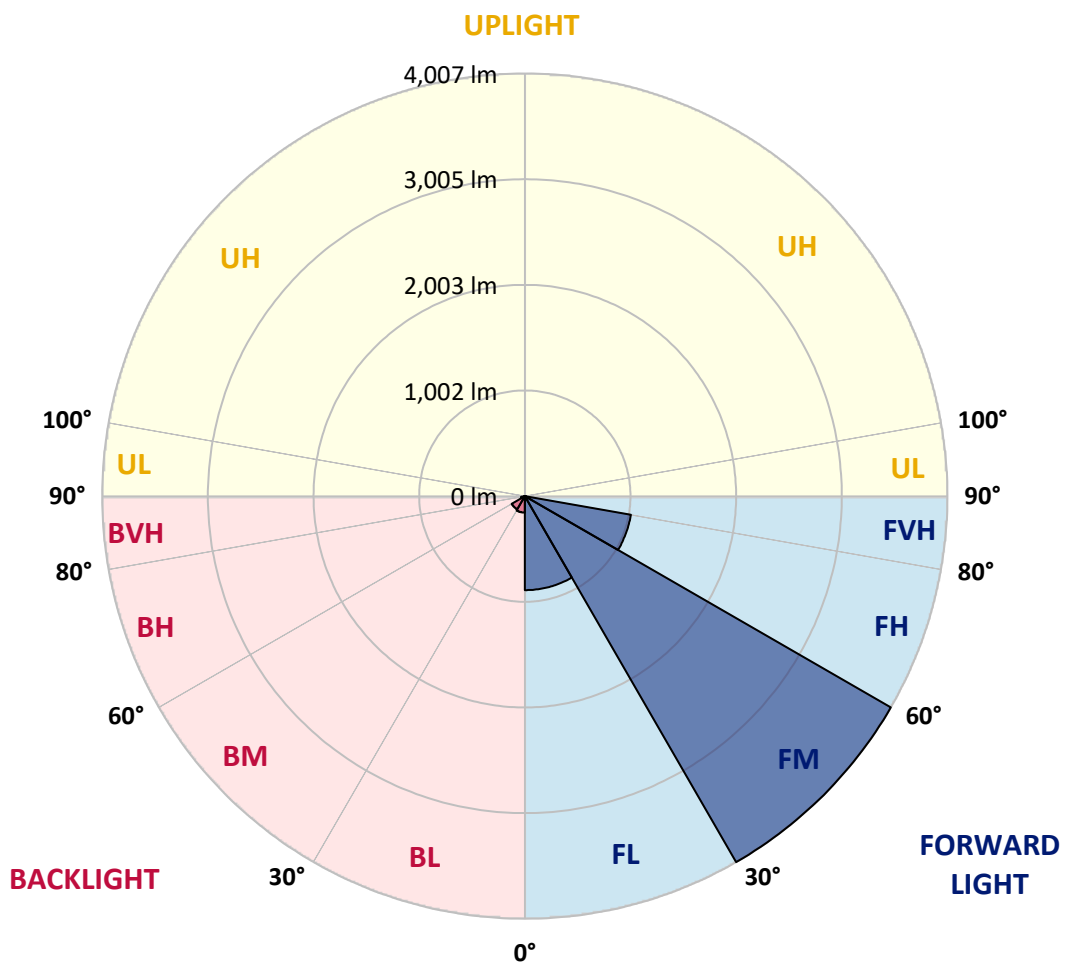
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	891.4	14.2			
FM (30°-60°)	4006.8	63.9			
FH (60°-80°)	1021.0	16.3			G1/1800
FVH (80°-90°)	12.3	0.2			G1/100
BL (0°-30°)	156.4	2.5	B1/500		
BM (30°-60°)	144.4	2.3	B0/220		
BH (60°-80°)	37.0	0.6	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1467.4	1467.4	1467.4	1467.4	1467.4	1467.4	1467.4	1467.4	1467.4	1467.4	1467.4
2.5°	1759.7	1749.2	1755.3	1739.4	1710.2	1674.0	1619.6	1622.3	1579.5	1542.1	1490.5
5°	2050.3	2039.3	2036.0	1995.4	1954.7	1889.3	1808.6	1795.4	1716.8	1621.8	1513.6
7.5°	2203.6	2194.3	2201.4	2186.6	2146.5	2087.1	1984.9	1975.0	1853.6	1709.7	1550.4
10°	2133.3	2130.0	2160.2	2195.4	2227.8	2220.6	2138.8	2123.4	1987.1	1806.4	1588.3
12.5°	1944.3	1954.7	1993.2	2058.0	2158.0	2251.9	2238.8	2241.5	2123.4	1911.3	1630.0
15°	1833.3	1845.9	1867.9	1901.4	2024.5	2191.5	2276.7	2304.1	2254.1	2028.3	1679.5
17.5°	1824.0	1834.4	1837.7	1850.3	1922.3	2094.3	2261.3	2313.5	2370.6	2138.8	1735.0
20°	1895.9	1900.3	1897.6	1888.2	1914.1	2041.5	2212.9	2287.6	2466.7	2256.3	1783.9
22.5°	2031.6	2025.0	2016.8	1982.2	1980.5	2056.4	2186.6	2264.6	2523.9	2353.6	1816.3
25°	2199.7	2186.0	2174.5	2125.6	2102.5	2133.8	2210.2	2272.8	2575.5	2448.1	1839.3
27.5°	2383.2	2387.6	2359.1	2293.1	2256.9	2250.3	2283.3	2330.0	2625.5	2532.7	1852.0
30°	2579.4	2581.6	2544.2	2476.1	2443.1	2400.8	2398.6	2426.6	2679.4	2629.9	1864.1
32.5°	2803.0	2809.0	2748.0	2677.2	2619.5	2564.5	2537.6	2561.2	2776.1	2756.8	1888.8
35°	3126.0	3099.6	3017.2	2910.1	2828.2	2756.3	2715.1	2730.5	2904.6	2909.0	1938.2
37.5°	3458.9	3456.2	3365.0	3210.6	3076.6	2987.0	2916.7	2942.0	3085.4	3112.8	2017.3
40°	3769.3	3776.5	3697.4	3562.8	3390.3	3236.4	3161.2	3178.2	3325.4	3360.1	2113.5
42.5°	3972.1	3968.2	3974.3	3935.8	3762.8	3581.5	3468.3	3477.6	3604.5	3622.7	2233.8
45°	4065.5	4050.6	4102.3	4224.2	4155.6	3964.9	3835.8	3824.3	3894.1	3889.1	2343.1
47.5°	3984.7	3957.2	4075.9	4369.8	4502.8	4445.1	4260.5	4239.6	4180.3	4140.7	2456.9
50°	3583.1	3571.0	3824.8	4300.6	4720.9	4889.0	4753.3	4675.8	4435.8	4326.4	2516.7
52.5°	3201.3	3167.8	3339.2	3947.3	4623.6	5246.1	5274.1	5136.2	4647.8	4379.7	2496.4
55°	2586.0	2544.8	2731.6	3243.0	4238.5	5291.7	5640.0	5568.0	4833.5	4313.8	2455.2
57.5°	1570.7	1530.0	1804.7	2322.8	3389.7	4912.6	5549.9	5623.0	4976.3	4241.3	2428.3
60°	660.4	634.5	742.2	1108.7	2164.6	4037.4	5071.9	5254.3	5003.3	4141.8	2439.3
62.5°	343.4	331.8	337.9	443.9	875.2	2658.5	4221.5	4539.0	4731.9	4097.9	2450.3
65°	257.7	248.9	229.6	243.9	340.1	1149.3	3033.7	3458.9	4143.5	3986.4	2376.1
67.5°	211.5	203.3	189.5	185.1	200.5	398.9	1548.7	2101.4	3246.9	3511.1	2110.2
70°	168.7	165.9	161.5	153.3	150.5	193.4	555.4	856.5	2147.0	2476.1	1529.5
72.5°	140.6	141.2	136.2	129.1	119.2	124.7	221.4	292.8	1038.9	1187.2	640.6
75°	117.6	117.6	119.2	109.3	99.4	85.7	123.1	142.8	333.5	274.1	136.8
77.5°	92.3	93.4	100.5	92.3	79.7	53.8	67.0	76.4	98.9	79.1	50.0
80°	73.6	72.5	69.8	83.0	71.4	37.9	31.9	35.2	46.1	37.9	24.7
82.5°	51.6	51.1	48.9	56.0	55.5	28.0	20.9	21.4	28.0	24.2	15.4
85°	12.6	14.8	31.3	26.4	23.1	16.5	12.6	13.7	18.1	15.9	8.2
87.5°	5.5	5.5	14.3	17.0	11.0	7.1	5.5	6.0	9.3	9.3	4.9
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°	1467.4	1467.4	1467.4	1467.4	1467.4	1467.4	1467.4	1467.4	1467.4	1467.4	1467.4
2.5°	1472.4	1436.6	1391.6	1343.8	1294.9	1236.1	1198.8	1168.0	1143.8	1125.1	1118.6
5°	1477.9	1409.2	1307.0	1180.1	1051.0	930.1	836.7	767.5	710.4	679.0	665.3
7.5°	1477.3	1386.1	1201.5	988.9	779.0	604.9	481.3	404.9	353.8	332.9	320.3
10°	1476.8	1355.9	1081.2	776.8	520.8	350.5	258.2	215.4	196.7	189.5	188.4
12.5°	1492.7	1321.3	946.6	571.9	326.9	218.1	179.6	169.8	165.4	163.2	162.6
15°	1501.5	1289.4	804.9	403.8	220.3	172.5	160.4	156.0	154.4	153.3	152.7
17.5°	1510.8	1240.0	670.3	292.3	176.4	156.6	149.4	146.7	145.6	145.6	145.6
20°	1512.5	1186.7	536.8	215.4	156.6	146.1	139.0	136.2	134.6	133.5	133.5
22.5°	1500.4	1123.5	421.9	174.7	145.0	136.2	128.6	124.2	121.4	120.9	120.9
25°	1470.2	1033.9	323.6	153.3	135.7	126.4	117.0	112.1	109.9	109.9	109.9
27.5°	1426.8	928.5	250.0	136.2	123.6	114.3	106.0	101.6	101.1	100.5	101.1
30°	1377.3	826.8	191.2	120.9	109.3	101.6	95.0	92.8	93.9	93.9	94.5
32.5°	1327.9	725.2	149.4	108.8	96.7	90.1	86.8	86.8	88.5	88.5	88.5
35°	1285.6	625.8	125.3	98.9	87.9	82.4	80.8	82.4	83.5	84.1	84.1
37.5°	1261.9	540.0	110.4	90.1	80.8	76.4	75.8	77.5	79.7	81.3	81.9
40°	1253.2	474.1	101.6	83.5	74.2	71.4	70.9	73.1	76.9	79.7	80.2
42.5°	1253.7	415.9	93.9	76.9	69.8	65.9	65.9	69.2	73.1	75.8	75.8
45°	1257.5	365.9	86.3	70.3	65.9	59.3	59.9	64.3	67.0	69.8	69.8
47.5°	1260.8	325.8	78.0	63.2	57.1	53.8	54.9	58.2	62.1	66.5	66.5
50°	1241.6	297.2	69.8	55.5	50.0	48.9	51.1	53.8	59.3	63.7	64.3
52.5°	1195.5	271.4	62.6	49.4	45.0	45.6	48.3	50.0	54.4	54.9	55.5
55°	1175.1	258.2	57.1	45.0	41.2	42.9	44.5	45.0	44.0	41.2	41.2
57.5°	1170.7	249.4	51.6	40.7	37.9	40.1	39.6	36.3	33.0	29.7	29.1
60°	1175.1	237.3	47.2	35.2	34.6	35.2	33.5	27.5	23.1	20.9	19.8
62.5°	1149.9	219.8	43.4	30.2	30.2	29.7	25.3	18.7	14.8	13.2	12.6
65°	1066.4	185.1	39.6	25.3	24.7	23.6	17.0	12.6	9.9	8.2	7.7
67.5°	902.1	143.4	35.7	20.9	19.8	16.5	11.0	8.2	5.5	4.9	4.4
70°	615.3	89.0	30.2	16.5	14.8	10.4	6.6	4.9	3.3	2.7	2.2
72.5°	223.1	51.6	25.3	12.6	9.9	6.6	3.8	2.2	1.6	1.6	1.1
75°	52.7	36.3	19.2	9.3	6.6	3.8	2.2	1.6	1.1	1.1	0.5
77.5°	24.2	28.0	12.6	5.5	4.4	2.7	1.6	1.1	0.5	0.5	0.0
80°	13.7	19.8	6.0	3.8	3.3	2.2	1.1	0.5	0.5	0.0	0.0
82.5°	7.1	11.0	4.4	3.3	2.7	1.6	1.1	0.0	0.0	0.0	0.0
85°	4.9	5.5	3.3	2.7	2.2	1.6	1.1	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.3	2.7	2.2	1.6	0.5	0.0	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)