

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: P674638

Luminaire Tested: **CCP-SA-1D-850-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674638
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-850-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

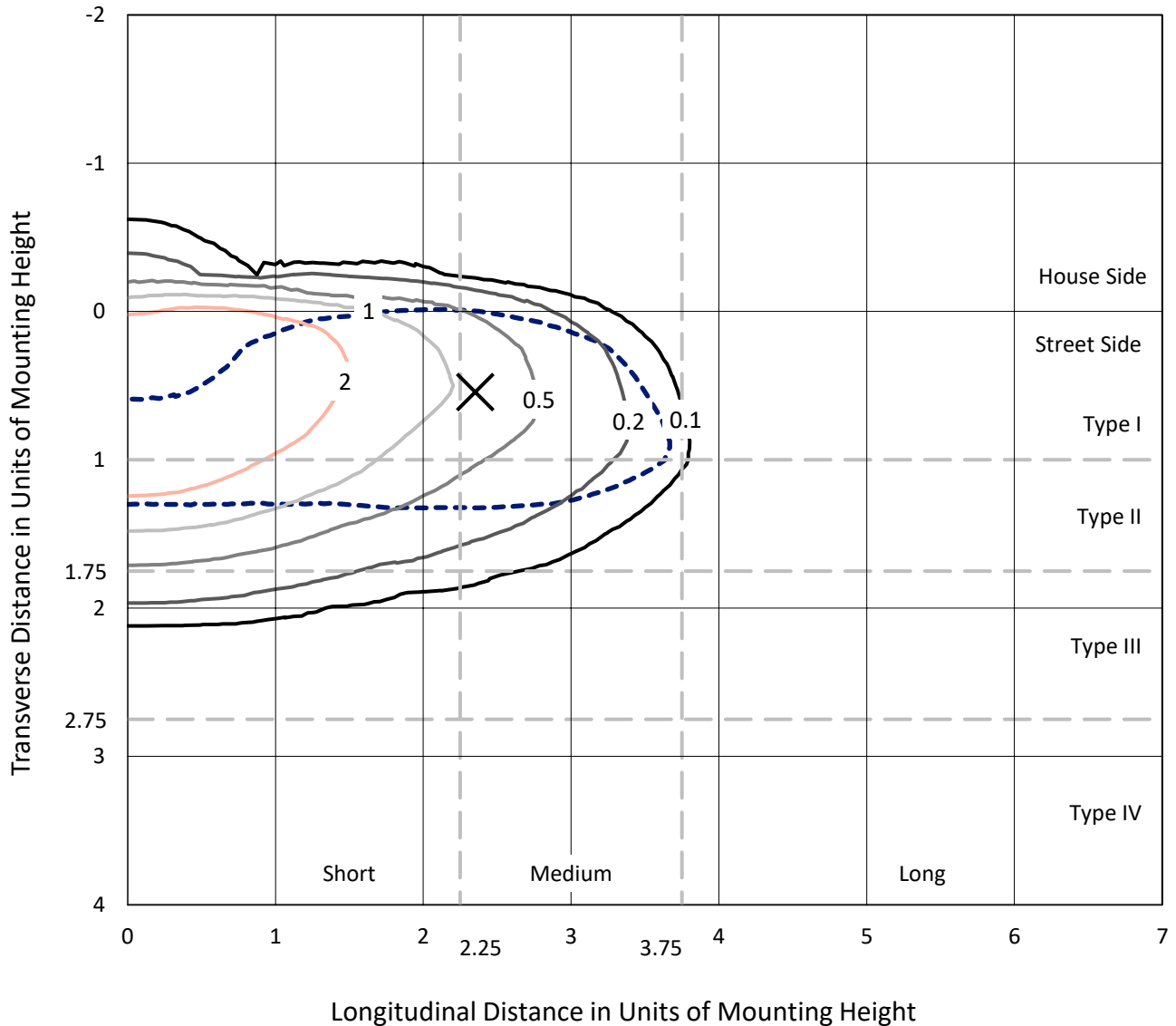
Lumens per Lamp: N/A
Luminaire Lumens: 3940.3 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 44
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

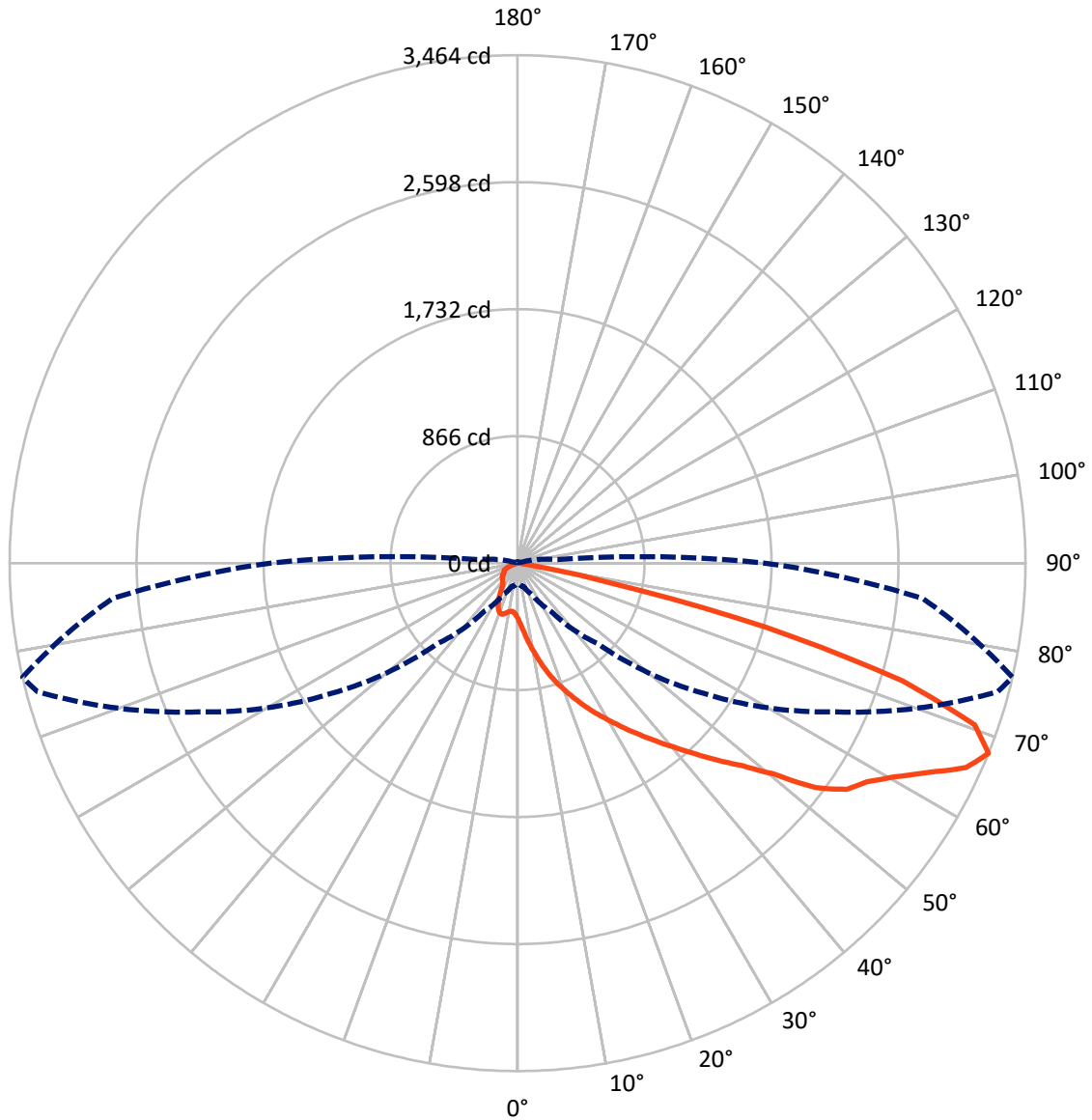
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 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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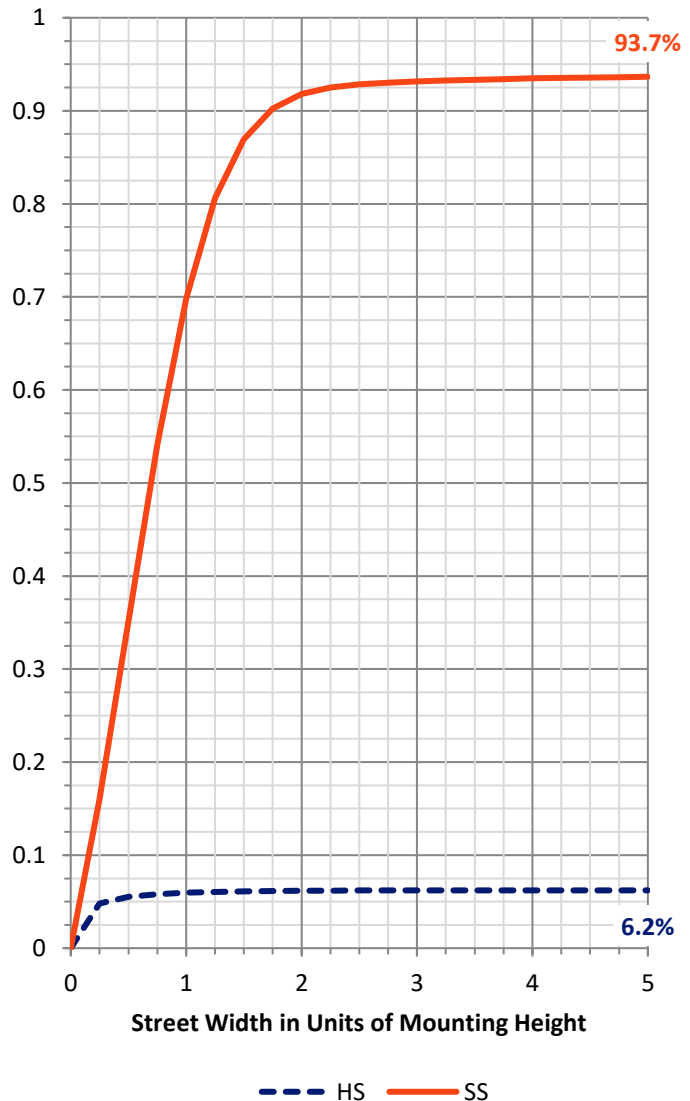
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	246.2	0.0	246.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3694.1	0.0	3694.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	3940.3	0.0	3940.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.1
10°-20°	164.0	4.2
20°-30°	320.5	8.1
30°-40°	560.3	14.2
40°-50°	817.1	20.7
50°-60°	955.4	24.2
60°-70°	774.5	19.7
70°-80°	291.0	7.4
80°-90°	13.2	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°	3940.3	100.0
0°-180°	3940.3	100.0

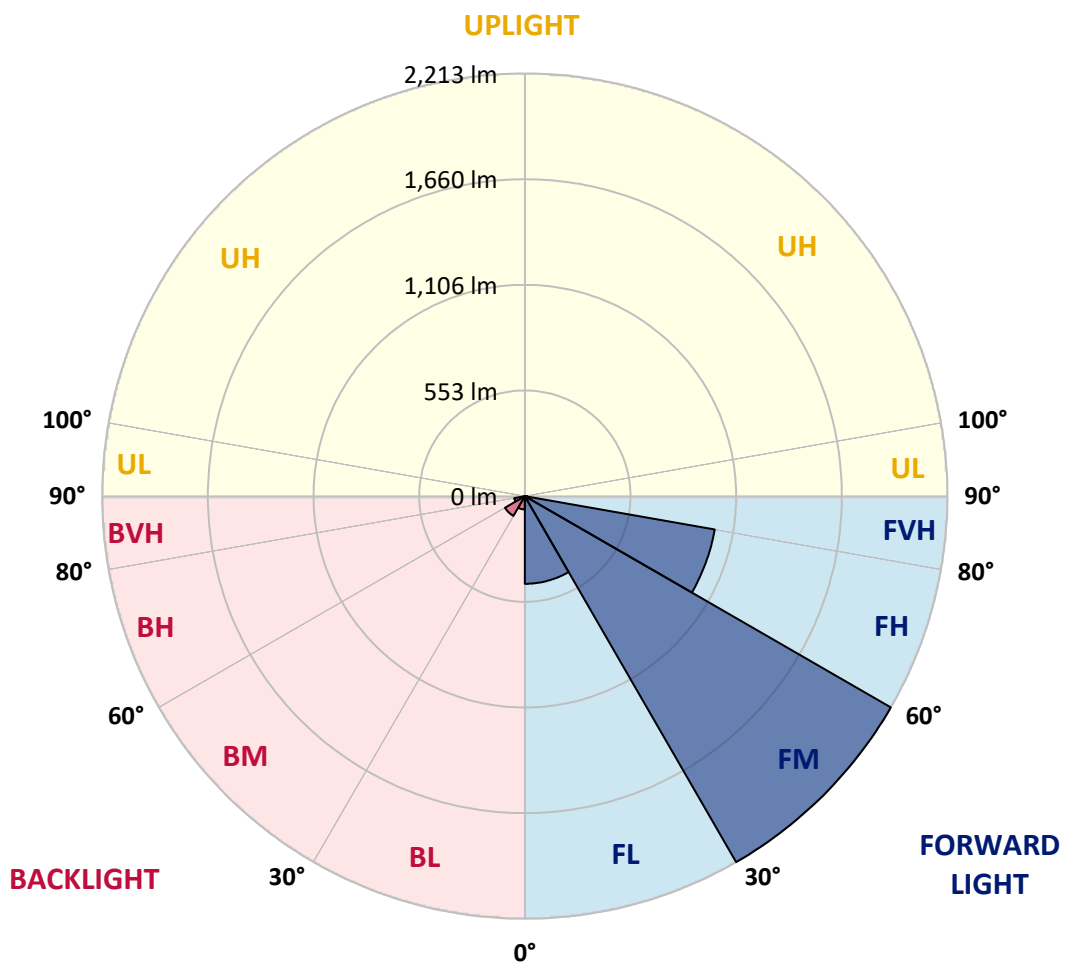


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.0	11.6			
FM (30°-60°)	2213.0	56.2			
FH (60°-80°)	1009.6	25.6			G1/1800
FVH (80°-90°)	12.5	0.3			G1/100
BL (0°-30°)	69.8	1.8	B0/110		
BM (30°-60°)	119.8	3.0	B0/220		
BH (60°-80°)	55.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.8	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°	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4
2.5°	566.6	546.0	549.9	541.4	530.4	504.8	477.7	450.7	426.5	421.2	397.0
5°	725.7	719.2	712.5	706.8	683.7	651.7	602.9	541.0	485.2	475.6	425.4
7.5°	849.1	839.5	845.5	828.1	803.9	773.0	711.1	644.9	558.8	544.6	466.7
10°	940.1	934.8	937.7	929.5	917.7	886.8	825.6	742.7	643.1	616.1	512.9
12.5°	1008.4	1009.5	1022.0	1022.7	1013.1	987.8	923.1	836.6	719.6	695.4	564.2
15°	1058.2	1059.3	1074.6	1091.0	1102.0	1088.8	1030.1	933.4	809.6	776.5	617.9
17.5°	1066.4	1067.1	1094.2	1127.2	1161.4	1172.8	1127.6	1029.4	891.8	854.1	679.4
20°	1071.8	1077.8	1102.0	1140.1	1194.1	1229.3	1204.8	1121.6	971.4	927.7	739.9
22.5°	1136.5	1136.5	1150.7	1177.8	1220.8	1275.9	1271.0	1206.2	1049.0	1005.6	800.0
25°	1273.8	1273.8	1259.9	1252.8	1275.9	1319.3	1331.8	1296.6	1137.6	1086.3	863.3
27.5°	1455.6	1455.6	1433.9	1381.6	1361.7	1379.8	1393.0	1375.2	1219.4	1168.9	930.2
30°	1644.1	1650.5	1612.8	1546.3	1476.6	1462.7	1449.9	1446.0	1306.5	1249.6	998.1
32.5°	1833.3	1832.6	1785.7	1702.8	1611.7	1562.6	1521.0	1516.4	1399.0	1343.2	1062.5
35°	1984.5	1984.9	1935.4	1850.4	1745.1	1682.5	1615.6	1593.9	1500.4	1438.1	1139.3
37.5°	2115.4	2107.9	2054.6	1973.8	1875.7	1810.9	1727.7	1671.1	1605.3	1542.0	1216.2
40°	2190.5	2180.5	2128.6	2051.7	1977.4	1928.0	1854.7	1764.3	1720.6	1652.3	1303.7
42.5°	2201.5	2193.0	2158.5	2112.2	2051.4	2008.0	1988.4	1869.6	1841.5	1779.6	1408.3
45°	2170.6	2156.7	2145.3	2121.1	2104.0	2083.0	2109.7	1981.7	1980.2	1918.7	1511.8
47.5°	2093.7	2074.9	2077.7	2104.4	2123.6	2142.4	2225.7	2128.6	2120.0	2062.4	1647.7
50°	1962.5	1953.2	1984.5	2037.2	2113.3	2188.7	2341.3	2278.7	2312.5	2258.4	1835.1
52.5°	1695.7	1707.1	1800.6	1927.2	2058.9	2210.4	2449.8	2502.8	2589.2	2544.8	2023.6
55°	1375.5	1371.3	1496.1	1720.9	1931.2	2196.5	2497.1	2634.8	2770.6	2724.0	2128.6
57.5°	1108.0	1115.5	1199.8	1422.1	1714.5	2089.4	2508.1	2703.8	2843.6	2812.6	2225.7
60°	831.7	838.8	915.6	1109.1	1426.4	1866.1	2417.1	2727.9	2980.5	2957.0	2380.8
62.5°	529.3	538.5	615.7	803.9	1090.3	1518.9	2212.5	2702.7	3123.5	3143.1	2592.4
65°	260.4	268.6	325.5	469.5	728.9	1135.8	1927.2	2606.3	3305.6	3361.5	2762.1
67.5°	144.1	148.0	167.5	239.0	406.6	779.0	1548.8	2400.3	3389.2	3463.9	2773.5
70°	112.0	113.1	120.6	139.4	198.1	457.1	1101.6	2057.4	3216.0	3306.3	2542.6
72.5°	94.3	95.7	99.2	105.6	123.8	238.0	692.2	1590.0	2705.9	2746.8	1967.1
75°	69.0	71.1	81.1	86.8	97.8	144.4	305.2	955.4	1788.2	1748.0	1100.6
77.5°	58.0	59.8	62.2	70.4	80.7	98.5	107.1	400.5	727.8	632.8	288.8
80°	39.5	41.6	48.4	52.6	68.3	65.1	44.5	107.4	146.2	119.2	55.5
82.5°	28.1	29.9	33.4	43.0	49.4	34.5	24.2	32.7	35.2	33.4	18.1
85°	8.9	11.4	24.2	35.6	26.7	11.7	15.3	12.4	11.0	10.7	7.1
87.5°	1.8	1.8	12.1	14.2	10.7	6.0	5.3	3.9	5.0	5.0	3.9
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°	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4
2.5°	385.6	369.6	346.5	324.8	302.7	287.1	276.0	265.0	260.7	259.0	254.3
5°	402.7	372.1	326.2	289.2	262.2	245.1	234.8	225.9	220.2	218.4	215.9
7.5°	427.2	383.1	317.3	274.6	247.6	229.1	212.4	193.2	177.9	171.8	169.3
10°	453.9	399.8	318.7	271.8	235.8	195.3	157.9	127.0	113.5	108.5	104.9
12.5°	493.0	418.3	324.8	268.6	200.6	139.4	101.0	88.2	85.0	84.3	83.6
15°	532.1	444.3	334.7	247.2	149.8	95.0	83.9	79.3	77.5	75.8	75.8
17.5°	571.6	469.2	338.6	205.6	103.5	82.2	76.5	72.6	69.7	68.3	67.2
20°	616.1	495.5	327.3	154.7	82.9	75.1	68.7	64.0	61.5	60.1	59.0
22.5°	664.1	521.5	302.4	107.8	75.4	67.6	61.5	56.9	54.4	53.0	52.6
25°	709.3	543.9	262.5	81.1	67.9	60.5	54.8	50.9	49.1	47.7	47.3
27.5°	755.9	563.1	210.6	71.5	61.9	54.8	49.1	45.9	44.1	43.0	42.7
30°	801.4	576.3	156.9	65.5	56.6	49.4	44.5	42.0	40.2	39.1	38.8
32.5°	848.4	583.7	106.0	60.1	51.2	44.8	40.6	38.1	37.0	35.9	35.9
35°	893.5	582.7	76.5	55.1	47.0	40.6	36.6	34.9	34.5	33.4	33.4
37.5°	943.0	575.2	65.1	50.5	42.3	36.6	33.4	32.4	32.0	31.3	30.9
40°	999.2	558.5	59.4	47.0	38.4	33.4	30.6	29.9	29.5	28.8	28.8
42.5°	1060.7	536.8	56.2	43.0	35.2	30.2	28.1	27.0	26.7	26.0	26.0
45°	1132.2	516.1	54.1	39.1	32.4	27.7	25.6	24.5	24.2	23.5	23.5
47.5°	1229.7	504.4	50.5	35.6	29.2	25.3	23.1	22.4	21.7	21.0	21.0
50°	1363.8	490.5	45.9	32.0	26.7	22.8	21.3	20.3	19.9	19.2	19.2
52.5°	1474.1	461.0	41.3	28.5	23.8	21.0	19.6	18.9	18.1	17.8	17.8
55°	1512.8	426.5	36.6	25.6	21.7	19.6	18.1	17.4	17.1	16.7	16.7
57.5°	1574.7	415.5	32.4	22.8	19.6	18.1	16.7	16.4	16.0	15.7	15.3
60°	1680.4	421.9	28.5	20.3	17.8	16.4	15.3	14.9	14.2	13.5	13.5
62.5°	1782.8	414.0	24.2	17.8	15.3	14.6	13.5	12.8	11.4	10.3	9.6
65°	1807.7	361.8	21.0	14.9	12.8	12.1	11.0	9.6	7.5	6.0	6.0
67.5°	1687.1	275.0	18.1	12.8	10.7	10.0	7.8	6.4	4.6	3.6	3.6
70°	1392.3	174.3	14.9	10.0	8.9	6.8	5.0	4.6	3.2	2.8	2.5
72.5°	1004.5	95.3	12.4	8.2	6.4	4.3	3.6	2.8	2.1	1.4	1.4
75°	508.7	44.8	9.2	6.4	4.3	2.8	2.1	1.4	1.4	1.1	1.1
77.5°	144.1	20.6	6.0	4.3	2.8	1.8	1.4	1.1	1.1	0.7	0.7
80°	28.5	10.3	3.9	2.8	2.1	1.4	1.1	0.7	0.7	0.4	0.4
82.5°	10.3	5.3	2.8	2.1	1.8	1.4	0.7	0.4	0.4	0.0	0.0
85°	5.3	2.8	2.1	1.8	1.4	1.1	0.7	0.4	0.0	0.0	0.0
87.5°	2.8	2.1	1.8	1.8	1.4	1.1	0.7	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)