

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: P674549

Luminaire Tested: **CCP-SA-1C-735-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674549
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-735-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

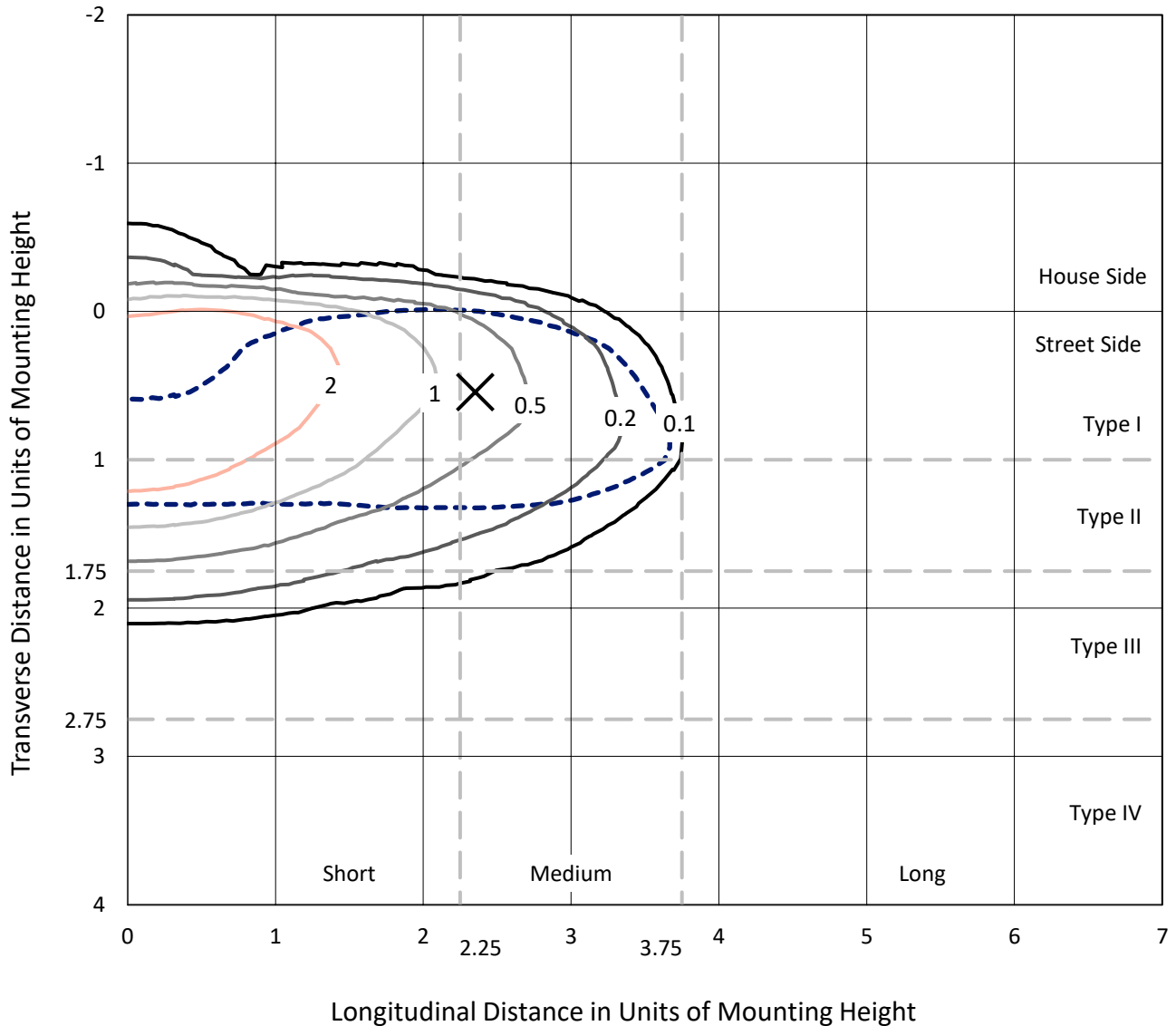
Lumens per Lamp: N/A
Luminaire Lumens: 3610.7 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

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Iso-Footcandle Lines of Horizontal Illumination

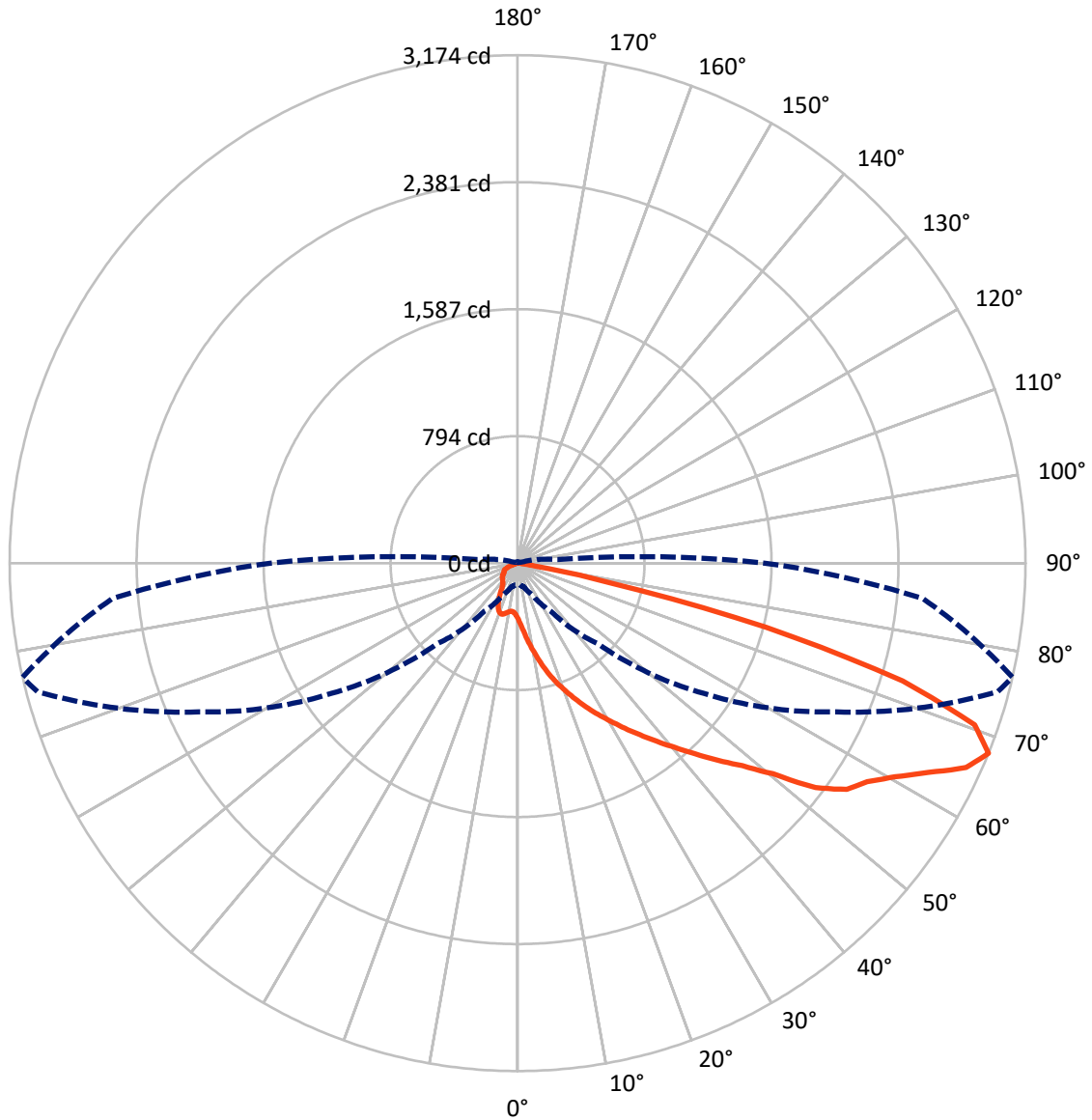
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 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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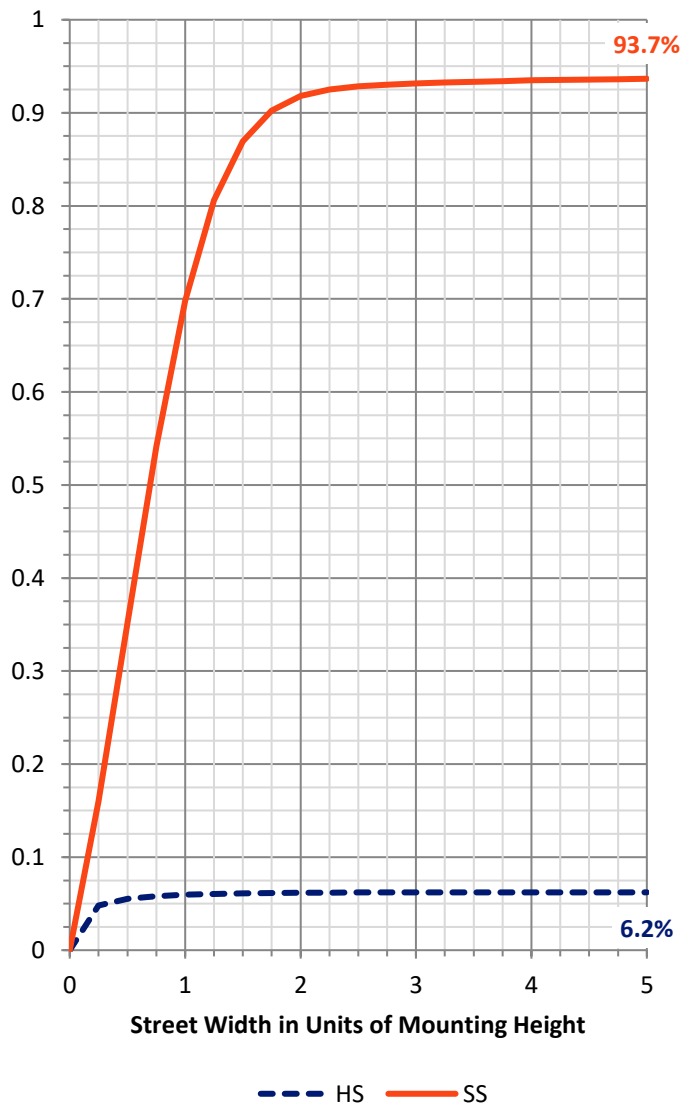
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	225.6	0.0	225.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3385.1	0.0	3385.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	3610.7	0.0	3610.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	1.1
10°-20°	150.3	4.2
20°-30°	293.6	8.1
30°-40°	513.4	14.2
40°-50°	748.7	20.7
50°-60°	875.5	24.2
60°-70°	709.7	19.7
70°-80°	266.6	7.4
80°-90°	12.1	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°	3610.7	100.0
0°-180°	3610.7	100.0



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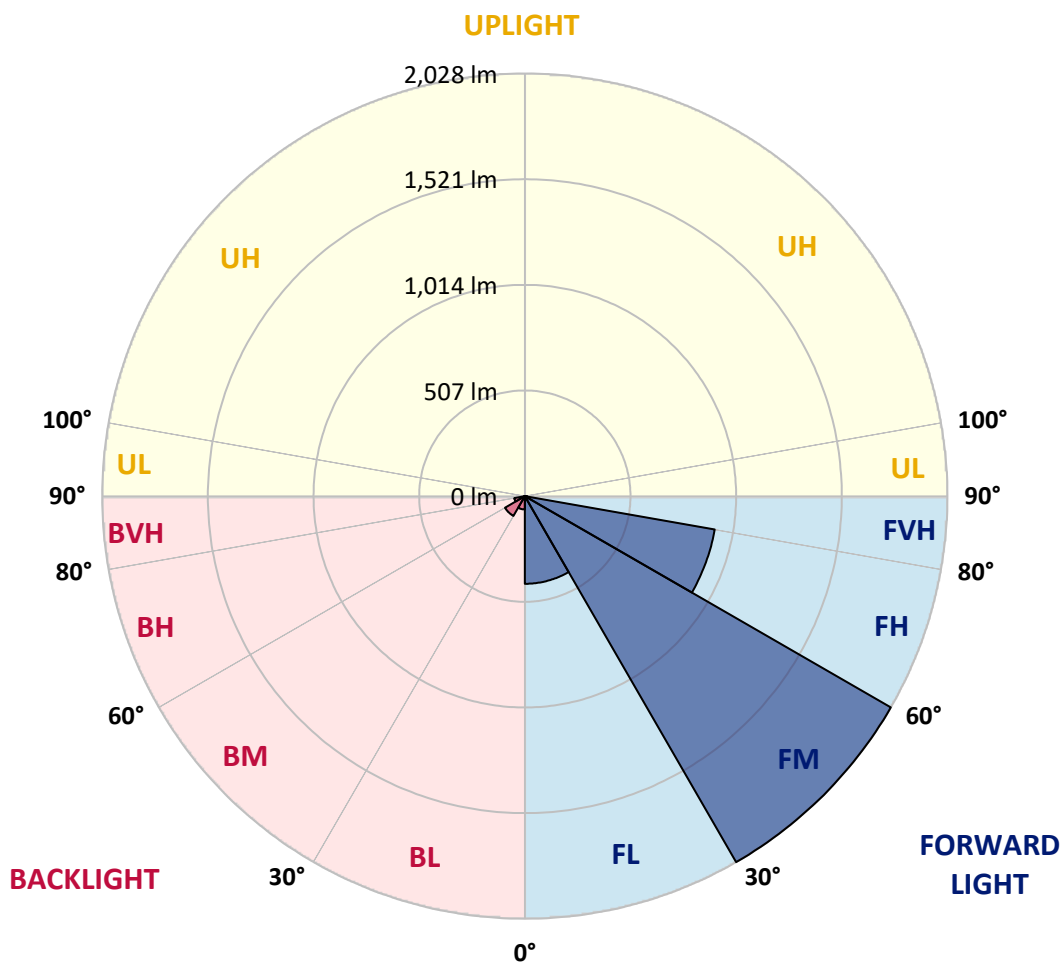
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.6	11.6			
FM (30°-60°)	2027.9	56.2			
FH (60°-80°)	925.2	25.6			G1/1800
FVH (80°-90°)	11.4	0.3			G1/100
BL (0°-30°)	64.0	1.8	B0/110		
BM (30°-60°)	109.8	3.0	B0/220		
BH (60°-80°)	51.2	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	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°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8
2.5°	519.2	500.3	503.9	496.1	486.0	462.5	437.8	413.0	390.8	385.9	363.8
5°	665.0	659.1	652.9	647.7	626.5	597.2	552.5	495.8	444.6	435.8	389.8
7.5°	778.1	769.3	774.8	758.8	736.7	708.3	651.6	591.0	512.1	499.0	427.7
10°	861.5	856.6	859.2	851.7	841.0	812.6	756.5	680.6	589.3	564.6	470.0
12.5°	924.1	925.1	936.5	937.1	928.3	905.2	845.9	766.6	659.4	637.2	517.0
15°	969.7	970.7	984.7	999.7	1009.8	997.8	944.0	855.3	741.9	711.6	566.2
17.5°	977.2	977.9	1002.6	1033.0	1064.2	1074.7	1033.3	943.3	817.2	782.6	622.6
20°	982.1	987.6	1009.8	1044.7	1094.2	1126.5	1104.0	1027.7	890.2	850.1	678.0
22.5°	1041.4	1041.4	1054.5	1079.2	1118.7	1169.2	1164.6	1105.3	961.2	921.5	733.1
25°	1167.2	1167.2	1154.5	1148.0	1169.2	1209.0	1220.4	1188.1	1042.4	995.5	791.1
27.5°	1333.8	1333.8	1313.9	1266.0	1247.8	1264.4	1276.4	1260.1	1117.4	1071.1	852.4
30°	1506.6	1512.4	1477.9	1416.9	1353.0	1340.3	1328.6	1325.0	1197.2	1145.1	914.6
32.5°	1680.0	1679.3	1636.3	1560.4	1476.9	1431.9	1393.8	1389.6	1282.0	1230.8	973.6
35°	1818.5	1818.8	1773.5	1695.6	1599.1	1541.8	1480.5	1460.6	1374.9	1317.8	1044.0
37.5°	1938.5	1931.6	1882.7	1808.7	1718.8	1659.4	1583.2	1531.3	1471.0	1413.0	1114.4
40°	2007.2	1998.1	1950.5	1880.1	1812.0	1766.7	1699.5	1616.7	1576.6	1514.1	1194.6
42.5°	2017.3	2009.5	1977.9	1935.5	1879.8	1840.0	1822.1	1713.2	1687.5	1630.8	1290.5
45°	1989.0	1976.3	1965.8	1943.7	1928.0	1908.8	1933.2	1815.9	1814.6	1758.2	1385.3
47.5°	1918.6	1901.3	1903.9	1928.4	1946.0	1963.2	2039.5	1950.5	1942.7	1889.9	1509.8
50°	1798.3	1789.8	1818.5	1866.7	1936.5	2005.6	2145.4	2088.1	2119.0	2069.5	1681.6
52.5°	1553.8	1564.3	1650.0	1766.0	1886.6	2025.5	2244.9	2293.4	2372.6	2331.9	1854.4
55°	1260.5	1256.6	1371.0	1577.0	1769.6	2012.8	2288.2	2414.4	2538.9	2496.2	1950.5
57.5°	1015.4	1022.2	1099.4	1303.2	1571.1	1914.7	2298.3	2477.6	2605.7	2577.3	2039.5
60°	762.1	768.6	839.0	1016.3	1307.1	1710.0	2214.9	2499.8	2731.2	2709.7	2181.6
62.5°	485.0	493.5	564.2	736.7	999.1	1391.8	2027.4	2476.6	2862.2	2880.1	2375.6
65°	238.6	246.1	298.2	430.3	667.9	1040.8	1766.0	2388.3	3029.1	3080.3	2531.0
67.5°	132.0	135.6	153.5	219.0	372.6	713.8	1419.2	2199.6	3105.7	3174.2	2541.5
70°	102.7	103.7	110.5	127.8	181.6	418.9	1009.5	1885.3	2947.0	3029.8	2329.9
72.5°	86.4	87.7	90.9	96.8	113.4	218.1	634.3	1457.0	2479.5	2517.0	1802.5
75°	63.2	65.2	74.3	79.5	89.6	132.3	279.7	875.5	1638.6	1601.7	1008.5
77.5°	53.1	54.8	57.0	64.5	74.0	90.3	98.1	367.0	666.9	579.9	264.7
80°	36.2	38.1	44.3	48.2	62.6	59.6	40.7	98.4	134.0	109.2	50.8
82.5°	25.8	27.4	30.6	39.4	45.3	31.6	22.2	30.0	32.3	30.6	16.6
85°	8.1	10.4	22.2	32.6	24.4	10.8	14.0	11.4	10.1	9.8	6.5
87.5°	1.6	1.6	11.1	13.0	9.8	5.5	4.9	3.6	4.6	4.6	3.6
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°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8
2.5°	353.3	338.7	317.5	297.6	277.4	263.0	252.9	242.8	238.9	237.3	233.1
5°	369.0	340.9	298.9	265.0	240.2	224.6	215.1	207.0	201.8	200.1	197.9
7.5°	391.5	351.1	290.8	251.6	226.9	209.9	194.6	177.0	163.0	157.4	155.2
10°	415.9	366.4	292.1	249.0	216.1	178.9	144.7	116.4	104.0	99.4	96.2
12.5°	451.8	383.3	297.6	246.1	183.8	127.8	92.6	80.8	77.9	77.3	76.6
15°	487.6	407.1	306.7	226.5	137.2	87.0	76.9	72.7	71.1	69.4	69.4
17.5°	523.8	429.9	310.3	188.4	94.9	75.3	70.1	66.5	63.9	62.6	61.6
20°	564.6	454.1	299.9	141.8	75.9	68.8	62.9	58.7	56.4	55.1	54.1
22.5°	608.6	477.9	277.1	98.8	69.1	61.9	56.4	52.2	49.9	48.6	48.2
25°	650.0	498.4	240.6	74.3	62.3	55.4	50.2	46.6	45.0	43.7	43.4
27.5°	692.7	516.0	193.0	65.5	56.7	50.2	45.0	42.0	40.4	39.4	39.1
30°	734.4	528.0	143.7	60.0	51.8	45.3	40.7	38.5	36.8	35.9	35.5
32.5°	777.4	534.9	97.1	55.1	46.9	41.1	37.2	34.9	33.9	32.9	32.9
35°	818.8	533.9	70.1	50.5	43.0	37.2	33.6	31.9	31.6	30.6	30.6
37.5°	864.1	527.1	59.6	46.3	38.8	33.6	30.6	29.7	29.3	28.7	28.4
40°	915.6	511.8	54.4	43.0	35.2	30.6	28.0	27.4	27.1	26.4	26.4
42.5°	972.0	491.9	51.5	39.4	32.3	27.7	25.8	24.8	24.4	23.8	23.8
45°	1037.5	473.0	49.5	35.9	29.7	25.4	23.5	22.5	22.2	21.5	21.5
47.5°	1126.8	462.2	46.3	32.6	26.7	23.1	21.2	20.5	19.9	19.2	19.2
50°	1249.7	449.5	42.0	29.3	24.4	20.9	19.6	18.6	18.3	17.6	17.6
52.5°	1350.8	422.4	37.8	26.1	21.8	19.2	17.9	17.3	16.6	16.3	16.3
55°	1386.3	390.8	33.6	23.5	19.9	17.9	16.6	16.0	15.6	15.3	15.3
57.5°	1443.0	380.7	29.7	20.9	17.9	16.6	15.3	15.0	14.7	14.3	14.0
60°	1539.8	386.6	26.1	18.6	16.3	15.0	14.0	13.7	13.0	12.4	12.4
62.5°	1633.7	379.4	22.2	16.3	14.0	13.4	12.4	11.7	10.4	9.5	8.8
65°	1656.5	331.5	19.2	13.7	11.7	11.1	10.1	8.8	6.8	5.5	5.5
67.5°	1546.0	252.0	16.6	11.7	9.8	9.1	7.2	5.9	4.2	3.3	3.3
70°	1275.8	159.7	13.7	9.1	8.1	6.2	4.6	4.2	2.9	2.6	2.3
72.5°	920.5	87.4	11.4	7.5	5.9	3.9	3.3	2.6	2.0	1.3	1.3
75°	466.1	41.1	8.5	5.9	3.9	2.6	2.0	1.3	1.3	1.0	1.0
77.5°	132.0	18.9	5.5	3.9	2.6	1.6	1.3	1.0	1.0	0.7	0.7
80°	26.1	9.5	3.6	2.6	2.0	1.3	1.0	0.7	0.7	0.3	0.3
82.5°	9.5	4.9	2.6	2.0	1.6	1.3	0.7	0.3	0.3	0.0	0.0
85°	4.9	2.6	2.0	1.6	1.3	1.0	0.7	0.3	0.0	0.0	0.0
87.5°	2.6	2.0	1.6	1.6	1.3	1.0	0.7	0.3	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)