

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: P674526

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674526
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-727-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

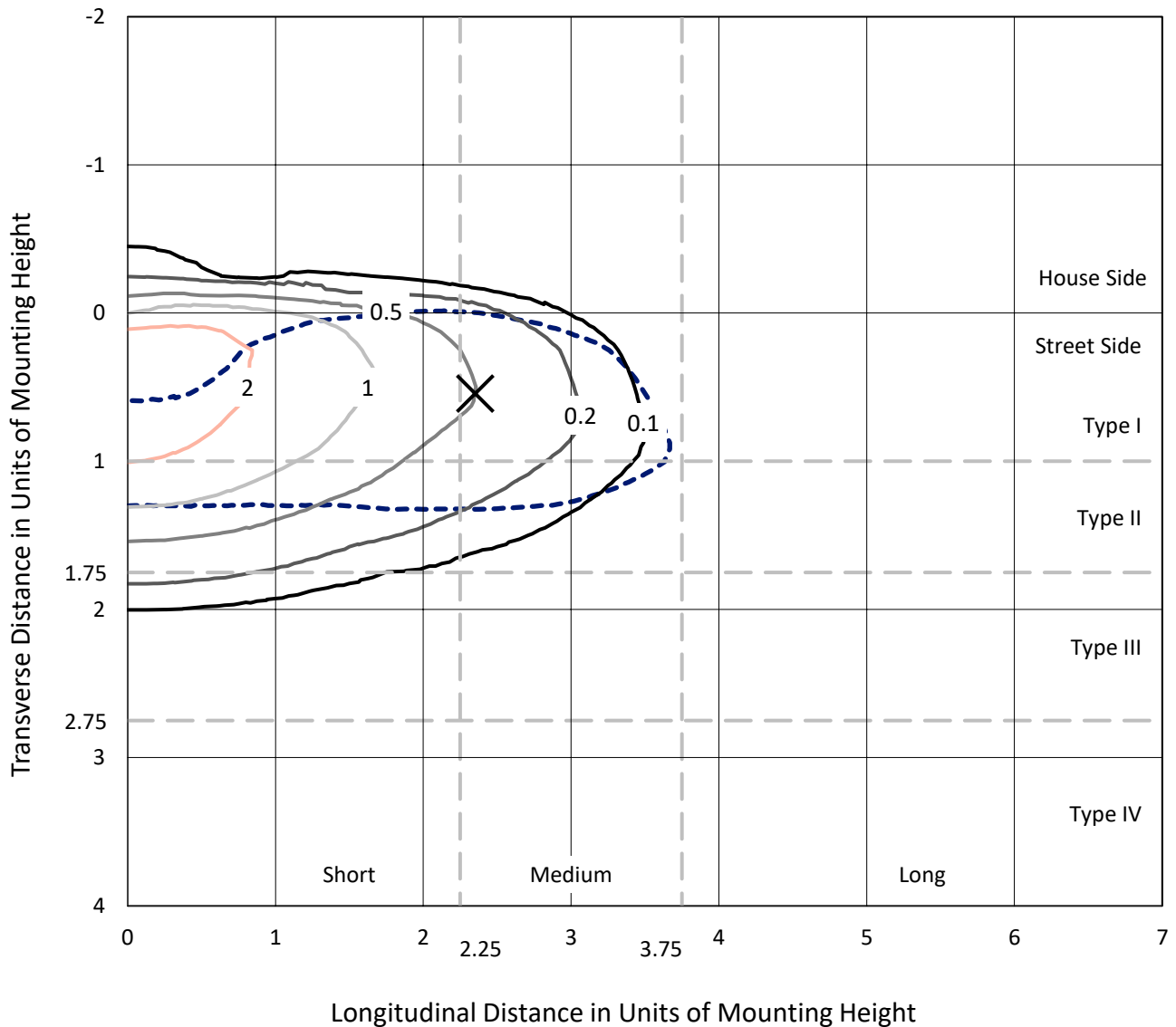
Lumens per Lamp: N/A
Luminaire Lumens: 2338.6 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

Input Watts (W): 24
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

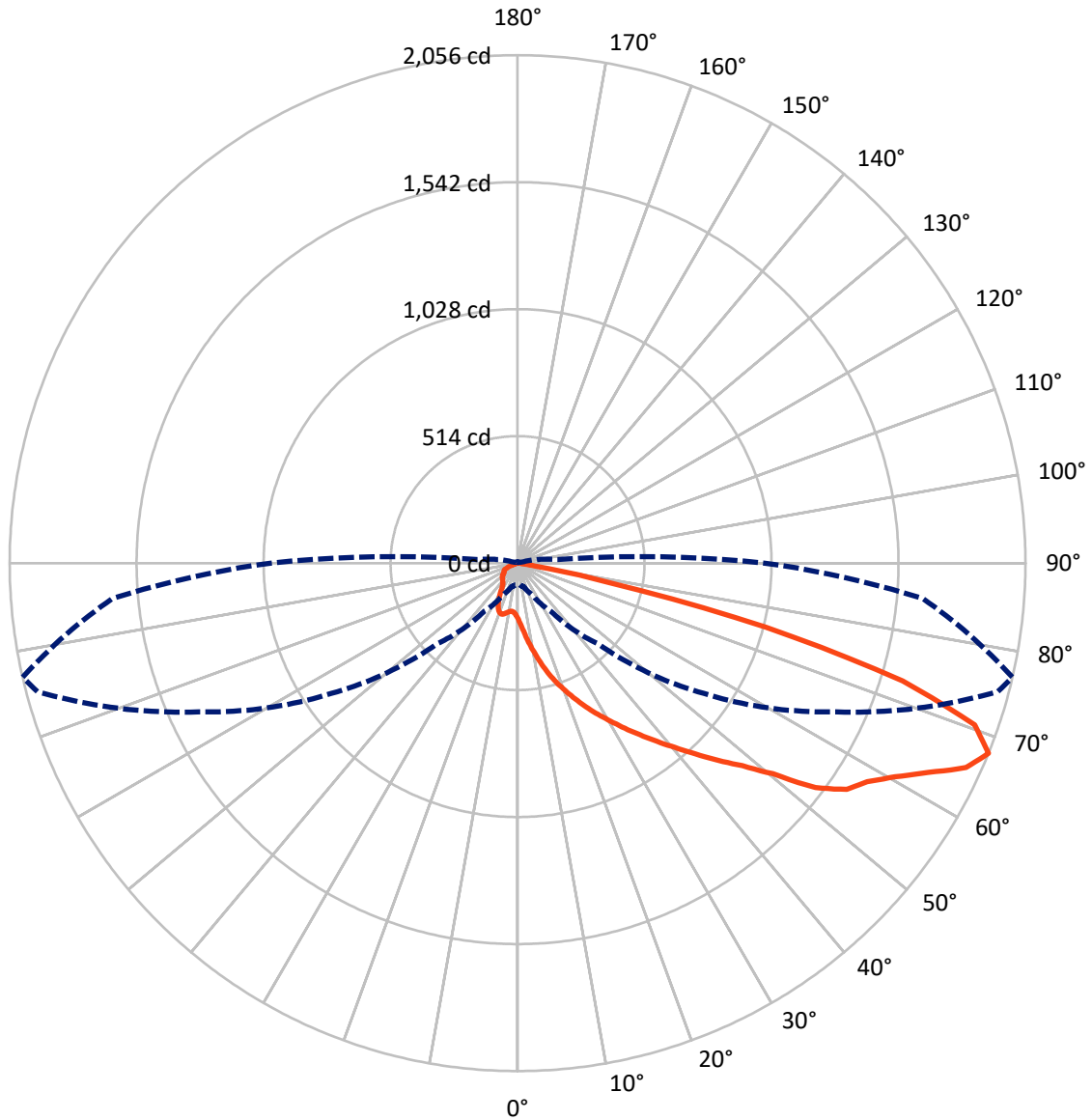
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 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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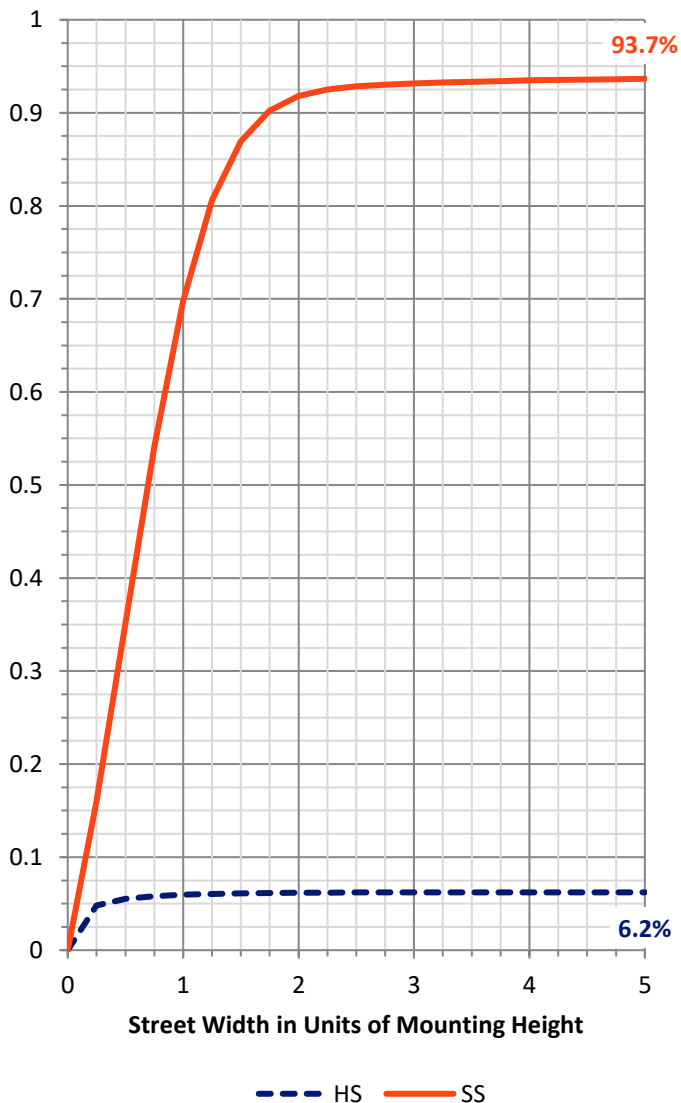
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	146.1	0.0	146.1
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2192.5	0.0	2192.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	2338.6	0.0	2338.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	1.1
10°-20°	97.4	4.2
20°-30°	190.2	8.1
30°-40°	332.5	14.2
40°-50°	484.9	20.7
50°-60°	567.1	24.2
60°-70°	459.7	19.7
70°-80°	172.7	7.4
80°-90°	7.8	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°	2338.6	100.0
0°-180°	2338.6	100.0

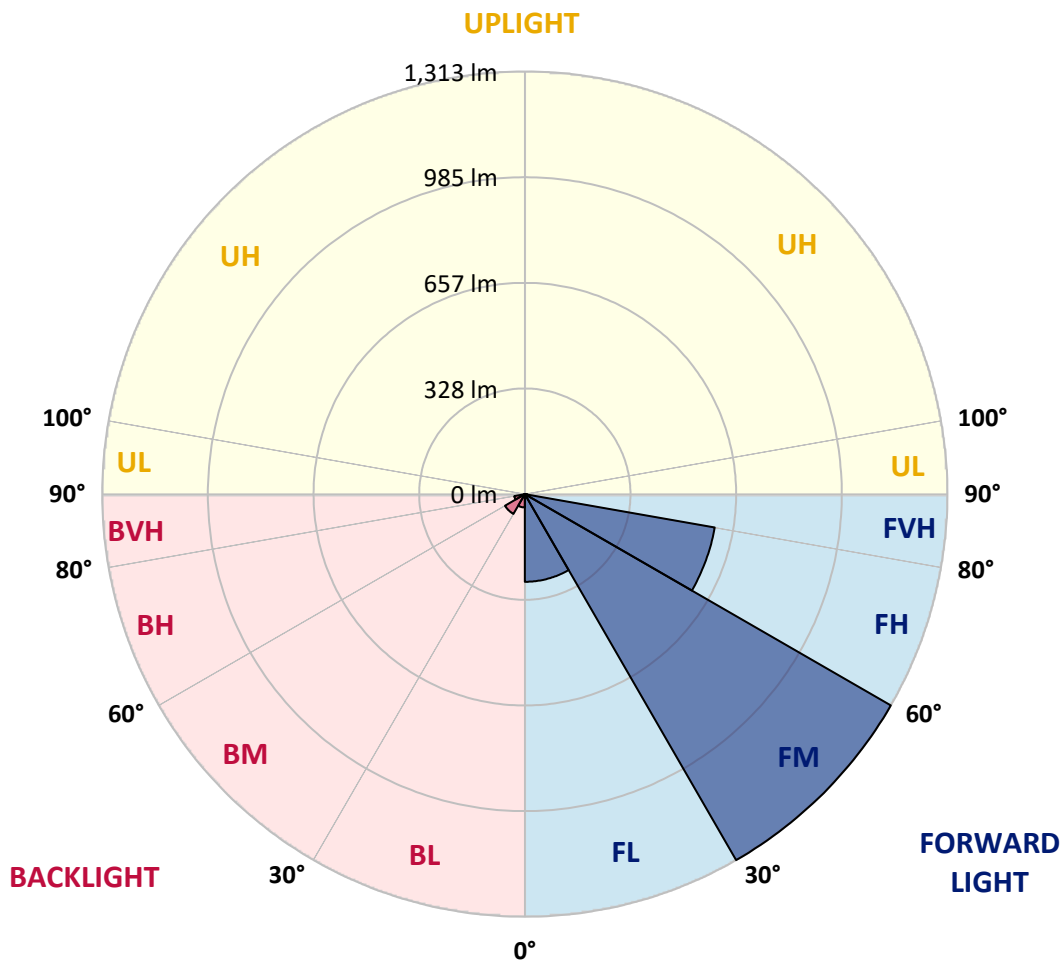


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.4	11.6			
FM (30°-60°)	1313.4	56.2			
FH (60°-80°)	599.2	25.6			G0/660
FVH (80°-90°)	7.4	0.3			G0/10
BL (0°-30°)	41.4	1.8	B0/110		
BM (30°-60°)	71.1	3.0	B0/220		
BH (60°-80°)	33.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.5	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-G0
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0
2.5°	336.3	324.1	326.4	321.3	314.8	299.6	283.5	267.5	253.1	250.0	235.6
5°	430.7	426.9	422.9	419.5	405.8	386.8	357.8	321.1	288.0	282.3	252.5
7.5°	503.9	498.2	501.8	491.5	477.1	458.8	422.0	382.8	331.7	323.2	277.0
10°	558.0	554.8	556.5	551.7	544.7	526.3	490.0	440.8	381.7	365.7	304.4
12.5°	598.5	599.2	606.5	607.0	601.3	586.3	547.9	496.5	427.1	412.7	334.8
15°	628.1	628.7	637.8	647.5	654.0	646.2	611.4	554.0	480.5	460.9	366.7
17.5°	632.9	633.4	649.4	669.0	689.3	696.1	669.2	611.0	529.3	506.9	403.2
20°	636.1	639.7	654.0	676.6	708.7	729.6	715.1	665.7	576.6	550.6	439.1
22.5°	674.5	674.5	683.0	699.0	724.6	757.3	754.3	715.9	622.6	596.8	474.8
25°	756.0	756.0	747.8	743.6	757.3	783.0	790.4	769.5	675.2	644.8	512.4
27.5°	863.9	863.9	851.0	820.0	808.2	818.9	826.7	816.2	723.7	693.7	552.1
30°	975.8	979.6	957.2	917.7	876.3	868.1	860.5	858.2	775.4	741.7	592.4
32.5°	1088.1	1087.7	1059.8	1010.6	956.6	927.4	902.7	900.0	830.3	797.2	630.6
35°	1177.8	1178.0	1148.7	1098.2	1035.7	998.6	958.9	946.0	890.5	853.5	676.2
37.5°	1255.5	1251.1	1219.4	1171.5	1113.2	1074.8	1025.4	991.8	952.8	915.2	721.8
40°	1300.1	1294.2	1263.3	1217.7	1173.6	1144.3	1100.8	1047.1	1021.2	980.6	773.7
42.5°	1306.6	1301.5	1281.1	1253.6	1217.5	1191.8	1180.1	1109.6	1093.0	1056.2	835.8
45°	1288.2	1280.0	1273.3	1258.9	1248.8	1236.3	1252.1	1176.1	1175.3	1138.8	897.3
47.5°	1242.6	1231.4	1233.1	1249.0	1260.4	1271.6	1321.0	1263.3	1258.3	1224.1	977.9
50°	1164.7	1159.2	1177.8	1209.1	1254.3	1299.0	1389.6	1352.4	1372.5	1340.4	1089.2
52.5°	1006.4	1013.2	1068.7	1143.8	1221.9	1311.9	1454.0	1485.4	1536.7	1510.3	1201.0
55°	816.4	813.9	888.0	1021.4	1146.2	1303.7	1482.0	1563.7	1644.4	1616.7	1263.3
57.5°	657.6	662.1	712.1	844.0	1017.6	1240.1	1488.6	1604.7	1687.7	1669.3	1321.0
60°	493.6	497.8	543.4	658.3	846.6	1107.5	1434.5	1619.1	1769.0	1755.0	1413.0
62.5°	314.1	319.6	365.4	477.1	647.1	901.5	1313.2	1604.1	1853.8	1865.4	1538.6
65°	154.5	159.4	193.2	278.7	432.6	674.1	1143.8	1546.9	1961.9	1995.1	1639.3
67.5°	85.5	87.8	99.4	141.9	241.3	462.3	919.2	1424.6	2011.5	2055.9	1646.1
70°	66.5	67.1	71.6	82.8	117.6	271.3	653.8	1221.1	1908.7	1962.3	1509.1
72.5°	55.9	56.8	58.9	62.7	73.5	141.2	410.8	943.7	1606.0	1630.3	1167.5
75°	41.0	42.2	48.1	51.5	58.1	85.7	181.1	567.1	1061.3	1037.4	653.2
77.5°	34.4	35.5	36.9	41.8	47.9	58.5	63.5	237.7	431.9	375.6	171.4
80°	23.4	24.7	28.7	31.2	40.5	38.6	26.4	63.8	86.8	70.7	32.9
82.5°	16.7	17.7	19.8	25.5	29.3	20.5	14.4	19.4	20.9	19.8	10.8
85°	5.3	6.8	14.4	21.1	15.8	7.0	9.1	7.4	6.5	6.3	4.2
87.5°	1.1	1.1	7.2	8.4	6.3	3.6	3.2	2.3	3.0	3.0	2.3
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°	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0
2.5°	228.9	219.4	205.6	192.8	179.7	170.4	163.8	157.3	154.7	153.7	150.9
5°	239.0	220.8	193.6	171.6	155.6	145.5	139.3	134.1	130.7	129.6	128.1
7.5°	253.6	227.4	188.3	163.0	146.9	136.0	126.0	114.6	105.6	102.0	100.5
10°	269.4	237.3	189.2	161.3	140.0	115.9	93.7	75.4	67.3	64.4	62.3
12.5°	292.6	248.3	192.8	159.4	119.1	82.8	60.0	52.4	50.5	50.0	49.6
15°	315.8	263.7	198.7	146.7	88.9	56.4	49.8	47.1	46.0	45.0	45.0
17.5°	339.3	278.5	201.0	122.0	61.4	48.8	45.4	43.1	41.4	40.5	39.9
20°	365.7	294.1	194.2	91.8	49.2	44.5	40.7	38.0	36.5	35.7	35.0
22.5°	394.2	309.5	179.5	64.0	44.8	40.1	36.5	33.8	32.3	31.5	31.2
25°	421.0	322.8	155.8	48.1	40.3	35.9	32.5	30.2	29.1	28.3	28.1
27.5°	448.6	334.2	125.0	42.4	36.7	32.5	29.1	27.2	26.2	25.5	25.3
30°	475.6	342.0	93.1	38.8	33.6	29.3	26.4	24.9	23.9	23.2	23.0
32.5°	503.5	346.4	62.9	35.7	30.4	26.6	24.1	22.6	22.0	21.3	21.3
35°	530.3	345.8	45.4	32.7	27.9	24.1	21.7	20.7	20.5	19.8	19.8
37.5°	559.7	341.4	38.6	30.0	25.1	21.7	19.8	19.2	19.0	18.6	18.4
40°	593.0	331.5	35.3	27.9	22.8	19.8	18.2	17.7	17.5	17.1	17.1
42.5°	629.6	318.6	33.4	25.5	20.9	17.9	16.7	16.0	15.8	15.4	15.4
45°	672.0	306.3	32.1	23.2	19.2	16.5	15.2	14.6	14.4	13.9	13.9
47.5°	729.8	299.4	30.0	21.1	17.3	15.0	13.7	13.3	12.9	12.5	12.5
50°	809.4	291.1	27.2	19.0	15.8	13.5	12.7	12.0	11.8	11.4	11.4
52.5°	874.9	273.6	24.5	16.9	14.1	12.5	11.6	11.2	10.8	10.6	10.6
55°	897.9	253.1	21.7	15.2	12.9	11.6	10.8	10.3	10.1	9.9	9.9
57.5°	934.6	246.6	19.2	13.5	11.6	10.8	9.9	9.7	9.5	9.3	9.1
60°	997.3	250.4	16.9	12.0	10.6	9.7	9.1	8.9	8.4	8.0	8.0
62.5°	1058.1	245.7	14.4	10.6	9.1	8.7	8.0	7.6	6.8	6.1	5.7
65°	1072.9	214.7	12.5	8.9	7.6	7.2	6.5	5.7	4.4	3.6	3.6
67.5°	1001.3	163.2	10.8	7.6	6.3	5.9	4.6	3.8	2.7	2.1	2.1
70°	826.3	103.4	8.9	5.9	5.3	4.0	3.0	2.7	1.9	1.7	1.5
72.5°	596.2	56.6	7.4	4.9	3.8	2.5	2.1	1.7	1.3	0.8	0.8
75°	301.9	26.6	5.5	3.8	2.5	1.7	1.3	0.8	0.8	0.6	0.6
77.5°	85.5	12.2	3.6	2.5	1.7	1.1	0.8	0.6	0.6	0.4	0.4
80°	16.9	6.1	2.3	1.7	1.3	0.8	0.6	0.4	0.4	0.2	0.2
82.5°	6.1	3.2	1.7	1.3	1.1	0.8	0.4	0.2	0.2	0.0	0.0
85°	3.2	1.7	1.3	1.1	0.8	0.6	0.4	0.2	0.0	0.0	0.0
87.5°	1.7	1.3	1.1	1.1	0.8	0.6	0.4	0.2	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)