

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: P676391

Luminaire Tested: **CCW-SA-2A-727-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676391
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-727-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

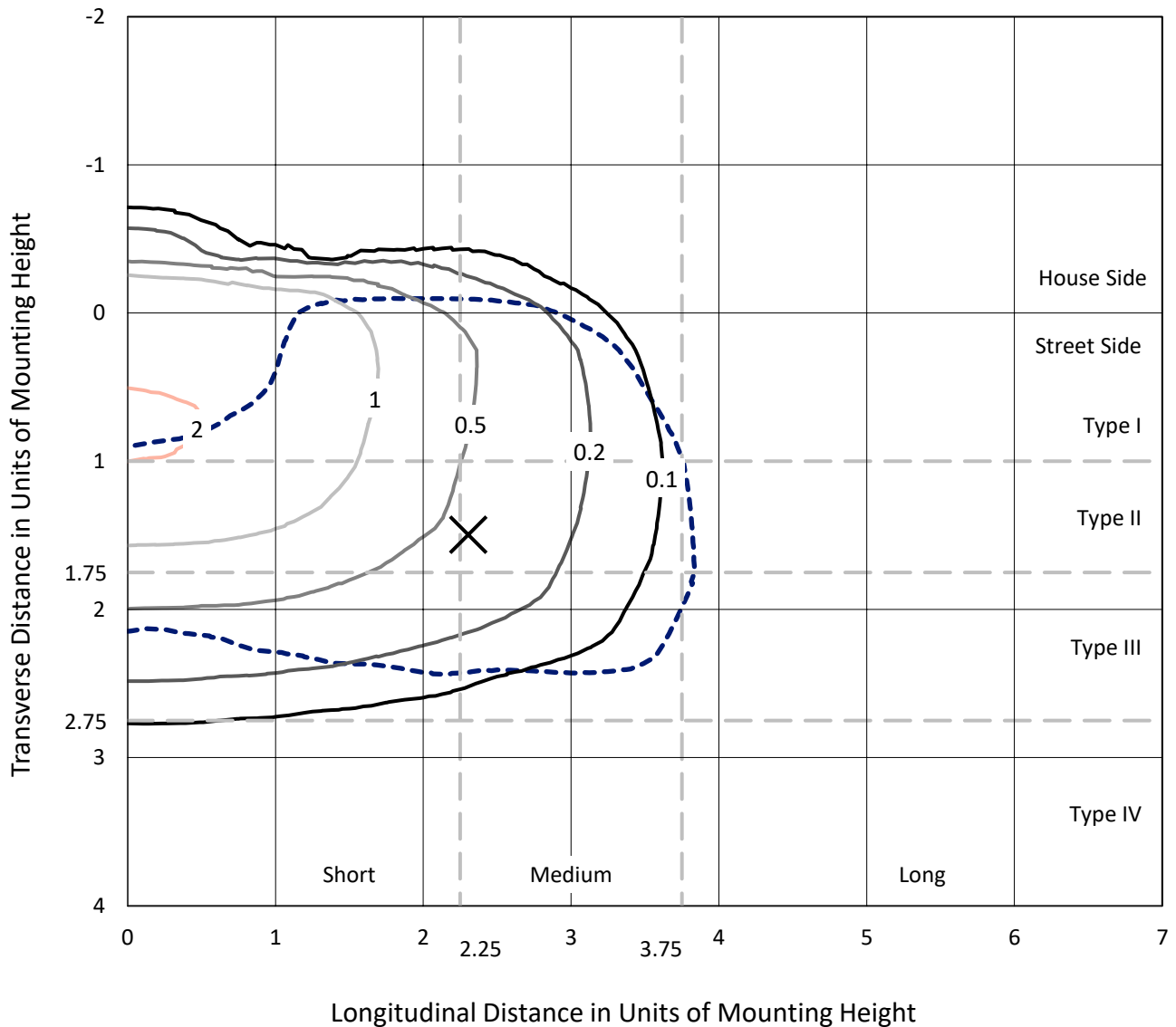
Lumens per Lamp: N/A
Luminaire Lumens: 3296.5 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

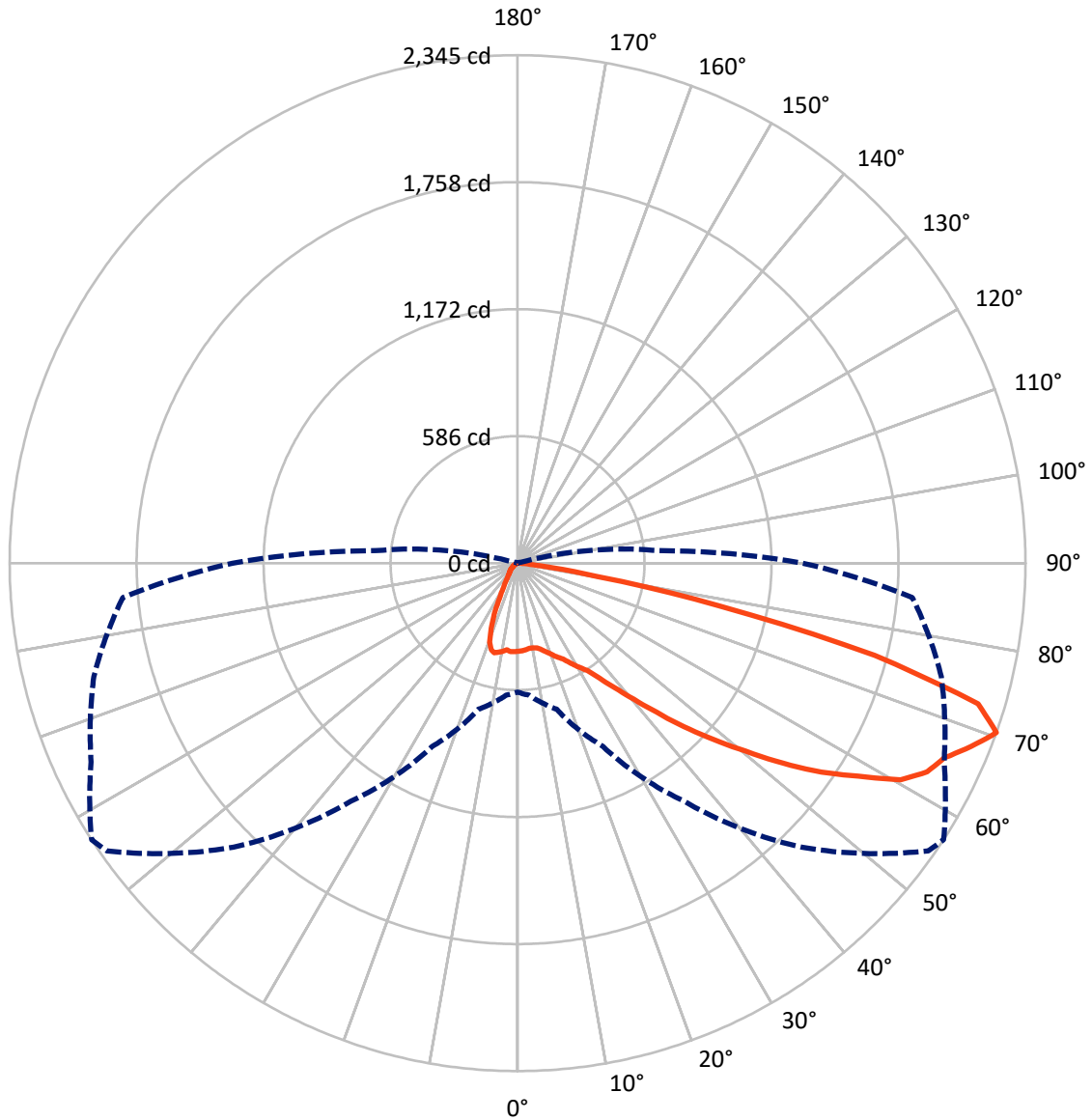
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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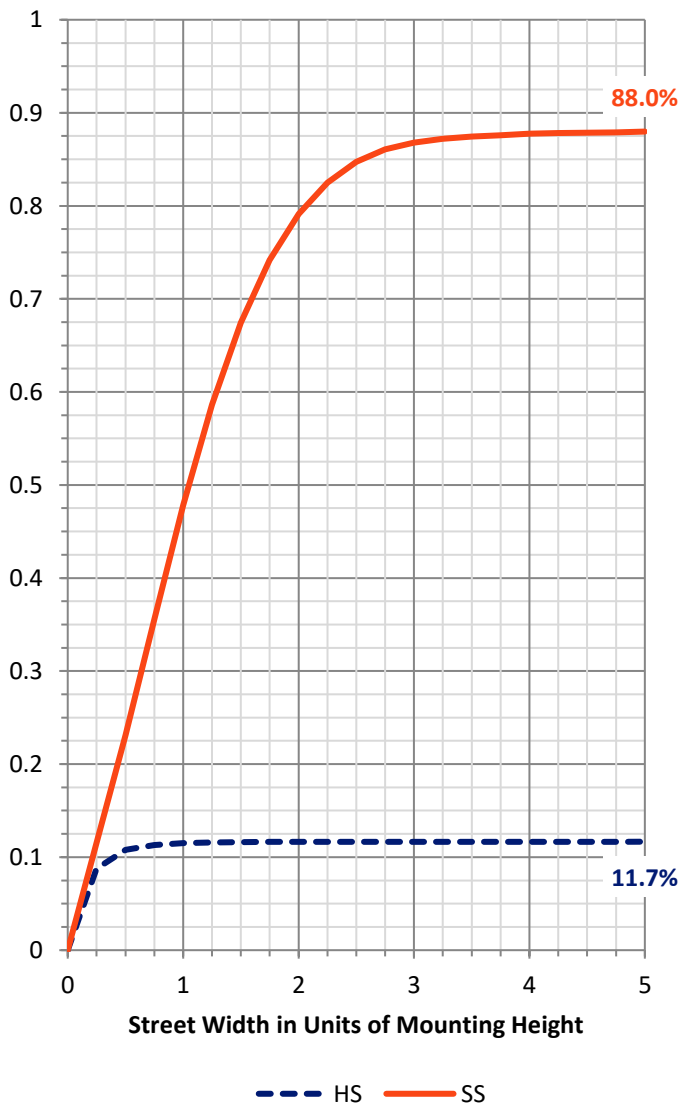
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	388.6	0.0	388.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2908.0	0.0	2908.0
	% Fixture	88.2	0.0	88.2
Total	Lumens	3296.5	0.0	3296.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	1.2
10°-20°	106.3	3.2
20°-30°	179.0	5.4
30°-40°	306.4	9.3
40°-50°	514.4	15.6
50°-60°	789.6	24.0
60°-70°	911.7	27.7
70°-80°	430.7	13.1
80°-90°	20.4	0.6
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°	3296.5	100.0
0°-180°	3296.5	100.0



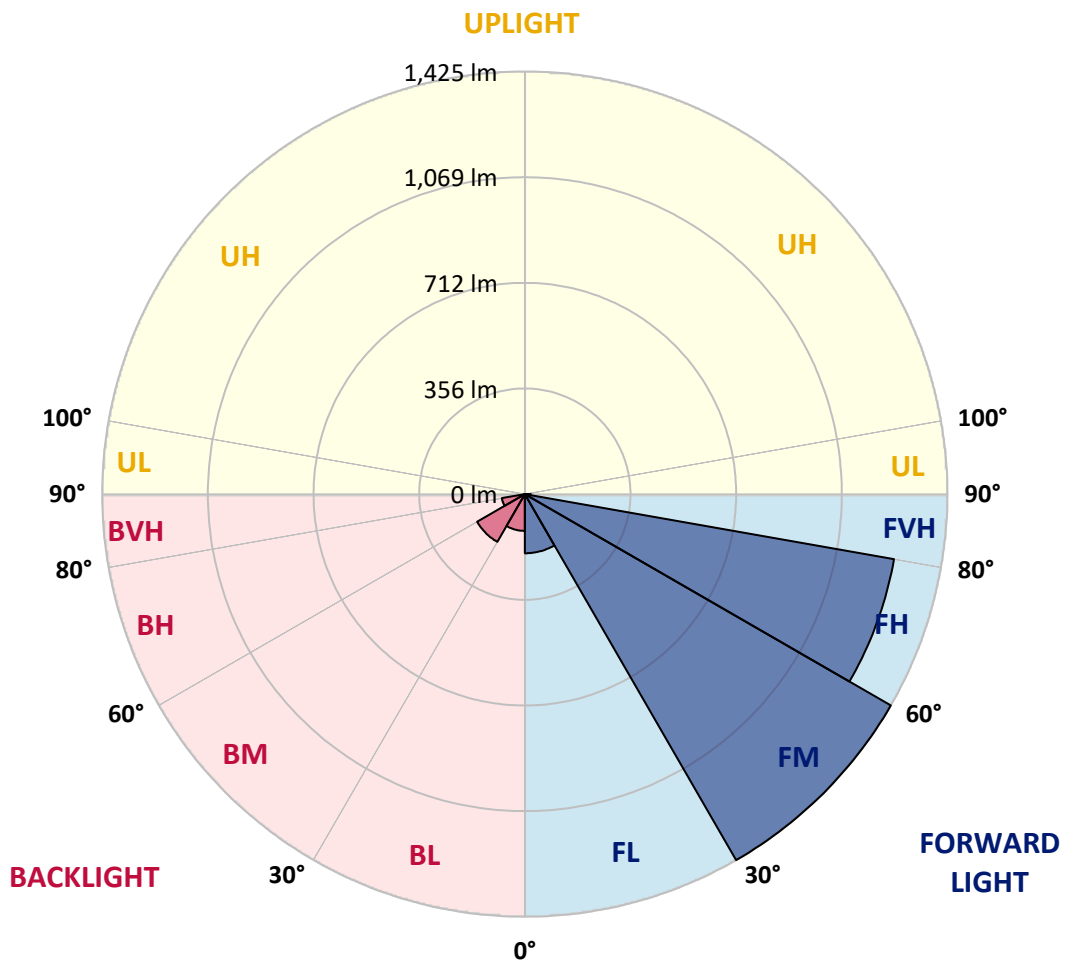
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.4	6.0			
FM (30°-60°)	1424.7	43.2			
FH (60°-80°)	1263.8	38.3			G1/1800
FVH (80°-90°)	20.1	0.6			G1/100
BL (0°-30°)	123.9	3.8	B1/500		
BM (30°-60°)	185.7	5.6	B0/220		
BH (60°-80°)	78.6	2.4	B0/110		G0/110
BVH (80°-90°)	0.4	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8
2.5°	400.9	398.3	400.9	404.2	400.9	403.4	402.5	405.1	401.7	401.7	404.2
5°	374.7	379.0	380.6	384.9	389.1	396.6	401.7	401.7	406.8	409.3	412.6
7.5°	365.5	358.7	365.5	368.9	373.1	385.7	393.3	396.6	403.4	412.6	417.7
10°	352.0	357.1	357.1	368.0	373.9	381.5	395.0	397.5	412.6	421.9	427.0
12.5°	351.2	351.2	355.4	363.0	374.7	389.1	405.9	400.9	416.9	433.7	442.1
15°	353.7	359.6	359.6	369.7	379.0	399.2	413.5	414.3	437.1	453.9	461.5
17.5°	364.6	362.1	365.5	371.4	385.7	405.1	428.6	431.2	457.3	480.0	491.0
20°	387.4	391.6	386.5	383.2	389.1	414.3	444.6	449.7	479.2	501.1	512.0
22.5°	472.4	469.1	448.9	425.3	415.2	427.0	459.8	471.6	506.1	532.2	541.5
25°	568.4	562.5	539.0	503.6	457.3	452.2	490.1	490.1	539.8	568.4	565.9
27.5°	659.4	657.7	629.9	592.9	527.2	491.0	514.5	523.8	577.7	601.3	590.3
30°	752.0	753.7	728.4	683.8	614.8	553.3	549.1	556.7	606.3	643.4	620.7
32.5°	859.8	844.7	827.0	765.5	702.3	633.3	593.7	590.3	638.3	672.0	641.7
35°	955.8	946.6	927.2	871.6	799.2	716.7	661.1	652.7	678.8	723.4	690.6
37.5°	1040.0	1030.8	1005.5	968.5	912.0	820.2	741.9	729.3	740.2	787.4	747.8
40°	1112.5	1115.0	1108.2	1072.0	1019.8	936.5	846.3	826.1	816.9	859.0	814.3
42.5°	1164.7	1189.1	1190.8	1146.1	1104.0	1058.6	957.5	941.5	919.6	955.0	923.8
45°	1274.1	1260.7	1269.1	1253.1	1206.8	1200.0	1085.5	1076.2	1045.9	1057.7	1024.9
47.5°	1360.0	1357.5	1373.5	1347.4	1334.8	1335.6	1231.2	1215.2	1172.3	1194.1	1157.1
50°	1409.7	1396.3	1454.4	1474.6	1472.1	1482.2	1378.6	1365.1	1323.8	1355.8	1276.7
52.5°	1421.5	1445.9	1500.7	1573.9	1605.1	1626.2	1539.4	1534.4	1489.7	1509.9	1400.5
55°	1451.0	1474.6	1506.6	1627.0	1742.4	1747.4	1697.7	1702.8	1663.2	1658.2	1518.4
57.5°	1450.2	1445.1	1533.5	1673.3	1833.3	1905.8	1878.8	1854.4	1811.4	1761.7	1594.2
60°	1397.1	1394.6	1486.4	1679.2	1883.0	2048.9	2059.9	2031.2	1923.4	1850.2	1683.4
62.5°	1291.8	1301.9	1394.6	1628.7	1930.2	2100.3	2140.7	2121.3	1987.4	1909.1	1788.7
65°	1171.4	1150.4	1258.1	1502.4	1824.1	2085.1	2172.7	2166.0	2063.2	1973.1	1885.5
67.5°	939.8	949.1	1031.6	1292.7	1643.0	2029.5	2247.7	2257.8	2123.9	2029.5	1915.0
70°	595.4	612.2	698.1	933.9	1341.5	1854.4	2315.0	2344.5	2171.9	2024.5	1829.1
72.5°	173.5	180.2	297.3	465.7	854.8	1487.2	2207.2	2222.4	2078.4	1837.5	1414.8
75°	57.3	60.6	87.6	151.6	335.2	768.9	1630.4	1702.0	1654.0	1332.3	809.3
77.5°	37.9	39.6	48.0	72.4	127.2	240.9	874.1	950.8	932.2	624.0	261.1
80°	27.8	28.6	35.4	48.8	77.5	86.7	322.5	373.1	360.4	143.2	52.2
82.5°	17.7	17.7	26.1	34.5	48.8	42.9	93.5	103.6	101.1	54.7	20.2
85°	11.8	12.6	19.4	26.9	26.9	20.2	26.9	31.2	33.7	29.5	9.3
87.5°	3.4	4.2	10.9	18.5	10.9	10.1	9.3	10.1	11.8	16.0	5.1
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°	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8
2.5°	406.8	410.1	409.3	411.0	408.4	405.9	408.4	408.4	408.4	405.9	404.2
5°	410.1	408.4	410.1	406.8	410.1	406.8	405.1	400.0	399.2	399.2	402.5
7.5°	415.2	416.9	409.3	409.3	401.7	403.4	399.2	400.0	398.3	395.8	394.1
10°	422.8	429.5	421.9	419.4	411.0	404.2	394.1	389.1	389.1	385.7	389.1
12.5°	443.8	441.3	437.1	428.6	418.5	405.1	380.6	356.2	336.0	320.9	328.4
15°	460.6	459.8	453.9	437.9	424.4	383.2	321.7	258.5	224.8	209.7	207.2
17.5°	486.8	484.2	474.1	453.1	408.4	317.5	220.6	167.6	134.7	127.2	124.6
20°	511.2	510.3	488.4	461.5	368.0	231.6	144.0	110.3	101.1	101.9	100.2
22.5°	537.3	533.1	507.0	451.4	293.1	154.1	102.7	98.5	95.2	94.3	96.0
25°	566.8	551.6	525.5	428.6	215.6	106.1	96.8	93.5	90.1	89.3	89.3
27.5°	578.5	568.4	533.9	373.9	136.4	92.6	91.0	86.7	82.5	80.0	79.2
30°	605.5	588.7	542.3	293.9	96.8	85.1	82.5	77.5	71.6	67.4	67.4
32.5°	632.4	612.2	543.2	205.5	80.8	76.6	72.4	65.7	58.1	53.9	54.7
35°	666.1	638.3	533.9	133.1	72.4	67.4	58.9	51.4	44.6	41.3	41.3
37.5°	723.4	697.3	496.0	87.6	65.7	57.3	48.8	40.4	34.5	32.0	32.0
40°	795.8	762.1	443.8	69.1	58.1	48.8	38.7	31.2	27.8	25.3	25.3
42.5°	882.6	840.5	366.3	61.5	51.4	40.4	30.3	24.4	21.1	21.1	20.2
45°	969.3	900.2	287.2	56.4	45.5	33.7	23.6	19.4	17.7	16.8	16.8
47.5°	1093.1	972.7	205.5	51.4	39.6	26.1	19.4	16.0	14.3	13.5	14.3
50°	1211.8	1040.9	145.7	46.3	32.8	21.1	16.0	14.3	12.6	11.8	11.8
52.5°	1316.3	1088.0	101.9	40.4	27.8	17.7	14.3	12.6	11.8	10.9	10.9
55°	1373.5	1072.0	69.9	34.5	22.7	15.2	12.6	10.9	10.1	9.3	9.3
57.5°	1432.5	1027.4	53.1	28.6	18.5	14.3	11.8	10.1	9.3	8.4	8.4
60°	1482.2	994.6	41.3	22.7	15.2	11.8	10.1	8.4	7.6	6.7	5.9
62.5°	1484.7	928.9	30.3	16.8	11.8	10.1	8.4	6.7	4.2	3.4	2.5
65°	1494.8	859.8	21.9	12.6	8.4	7.6	5.9	3.4	1.7	0.0	0.0
67.5°	1459.4	778.1	17.7	9.3	5.9	4.2	2.5	0.8	0.0	0.0	0.0
70°	1315.4	656.9	13.5	6.7	4.2	2.5	0.8	0.0	0.0	0.0	0.0
72.5°	941.5	427.0	9.3	5.1	1.7	0.8	0.0	0.0	0.0	0.0	0.0
75°	501.9	181.9	6.7	3.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	157.5	46.3	4.2	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	34.5	12.6	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.8	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.2	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.8	0.8	0.0	0.0	0.0	0.0	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)