

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: P675079

Luminaire Tested: **CCW-SA-1B-722-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675079
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-722-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T4FT distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

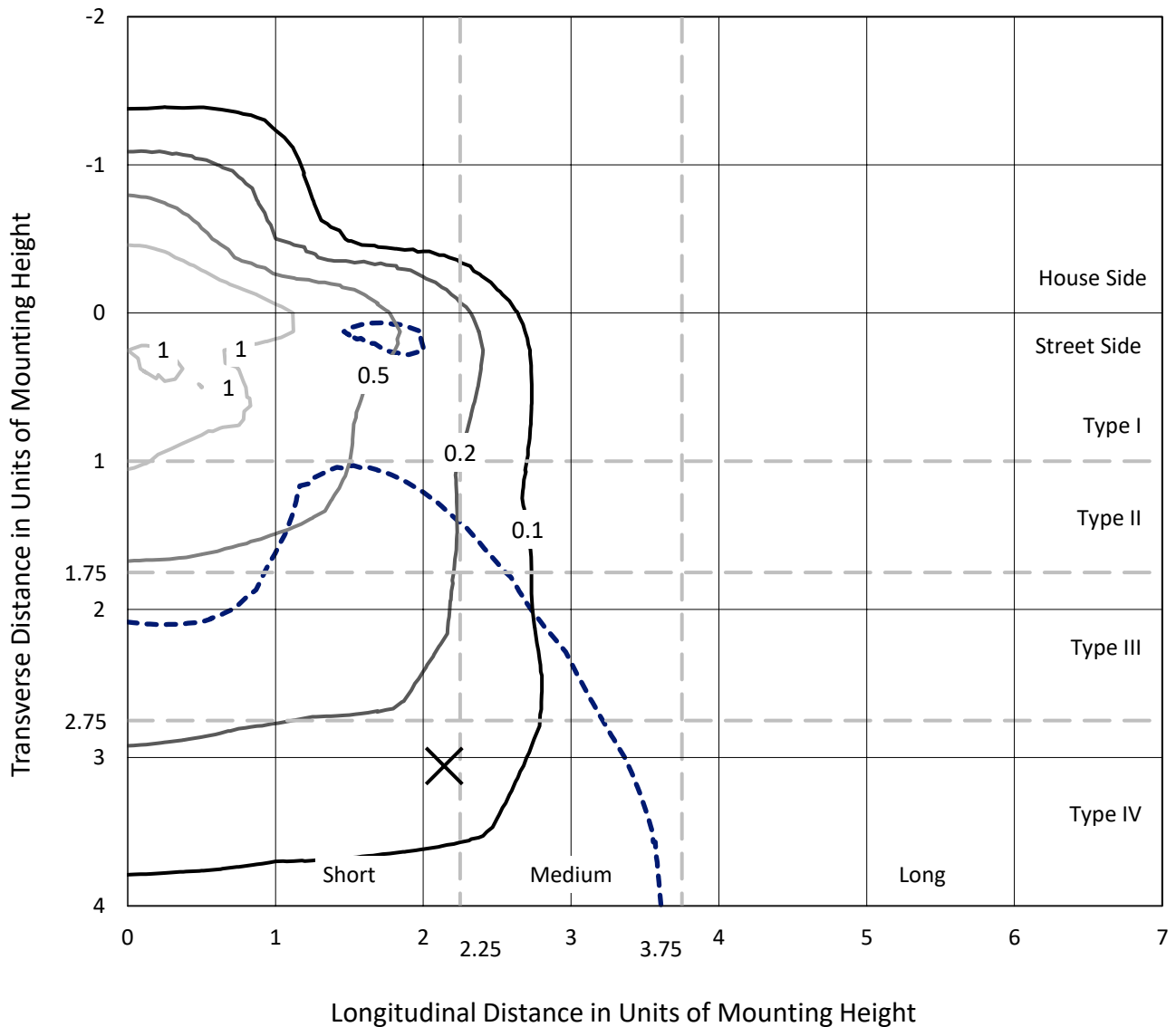
Lumens per Lamp: N/A
Luminaire Lumens: 2542.4 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

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

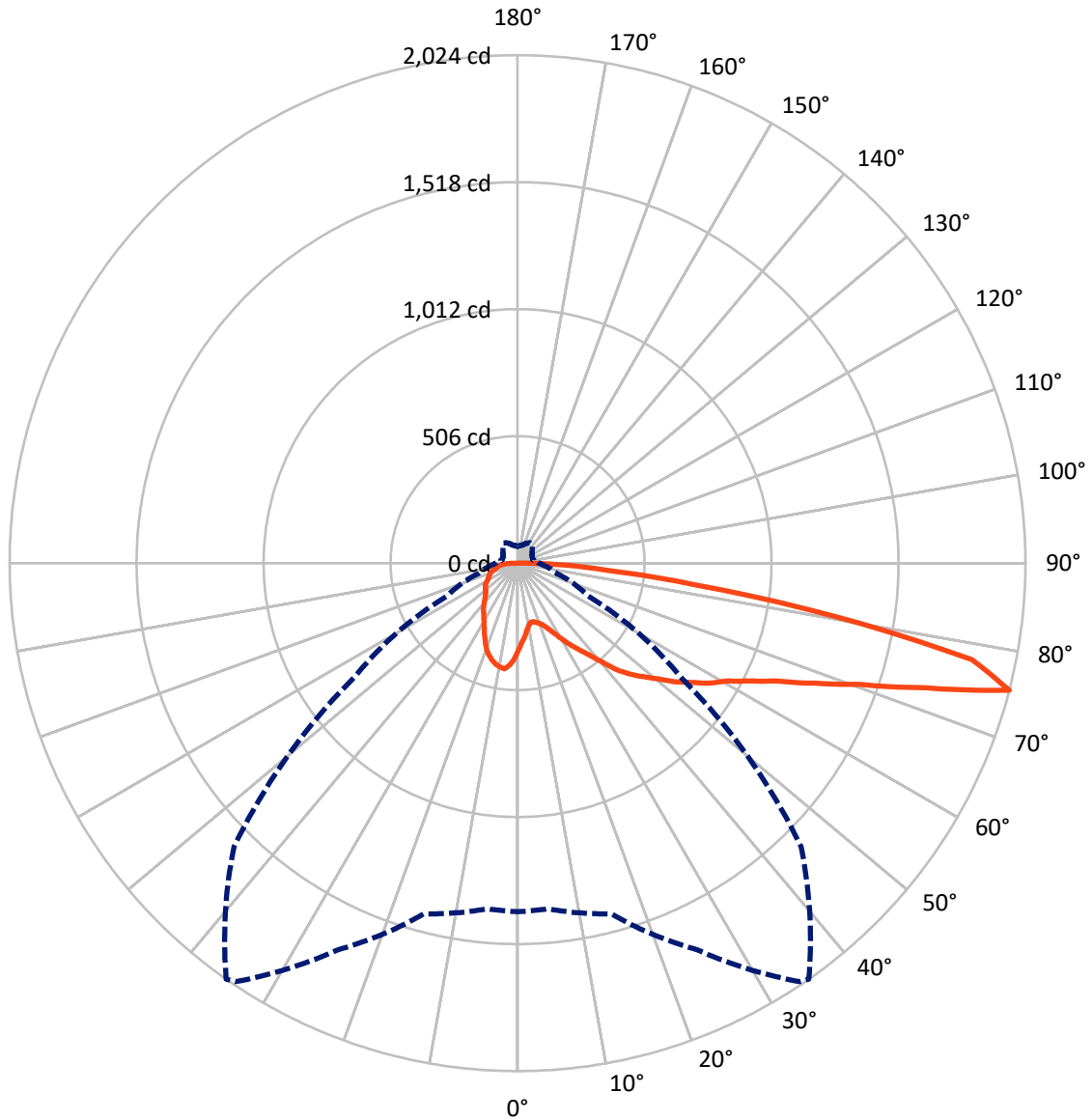
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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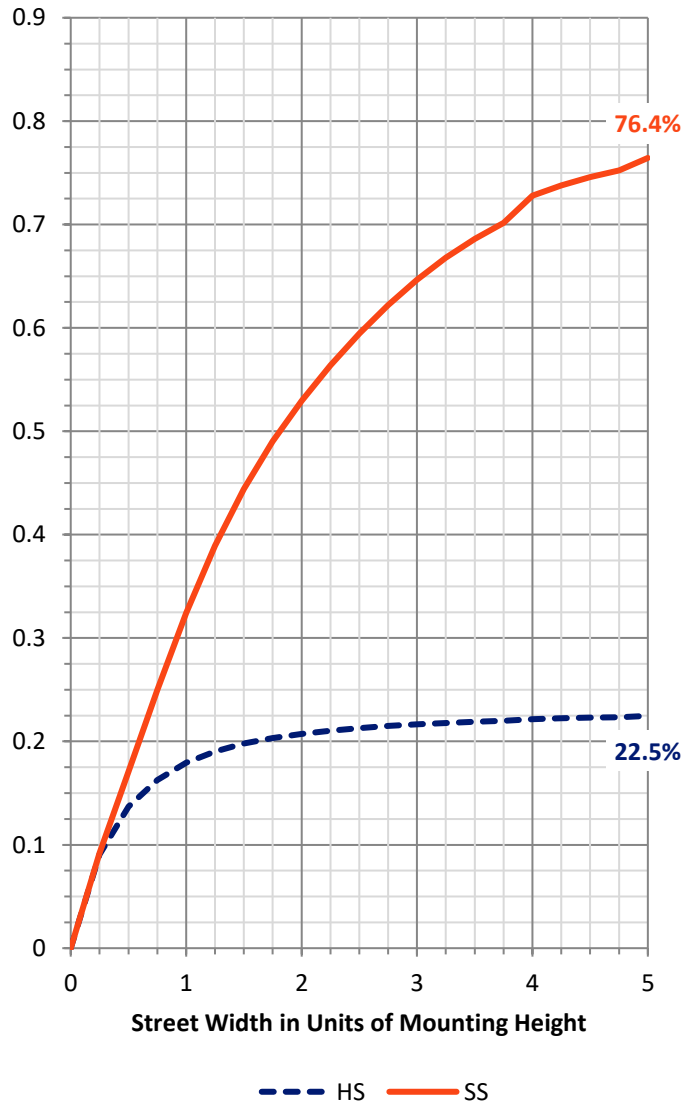
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	584.3	0.0	584.3
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	1958.1	0.0	1958.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	2542.4	0.0	2542.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	1.3
10°-20°	96.3	3.8
20°-30°	159.8	6.3
30°-40°	236.9	9.3
40°-50°	341.6	13.4
50°-60°	469.8	18.5
60°-70°	580.3	22.8
70°-80°	530.9	20.9
80°-90°	93.5	3.7
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°	2542.4	100.0
0°-180°	2542.4	100.0



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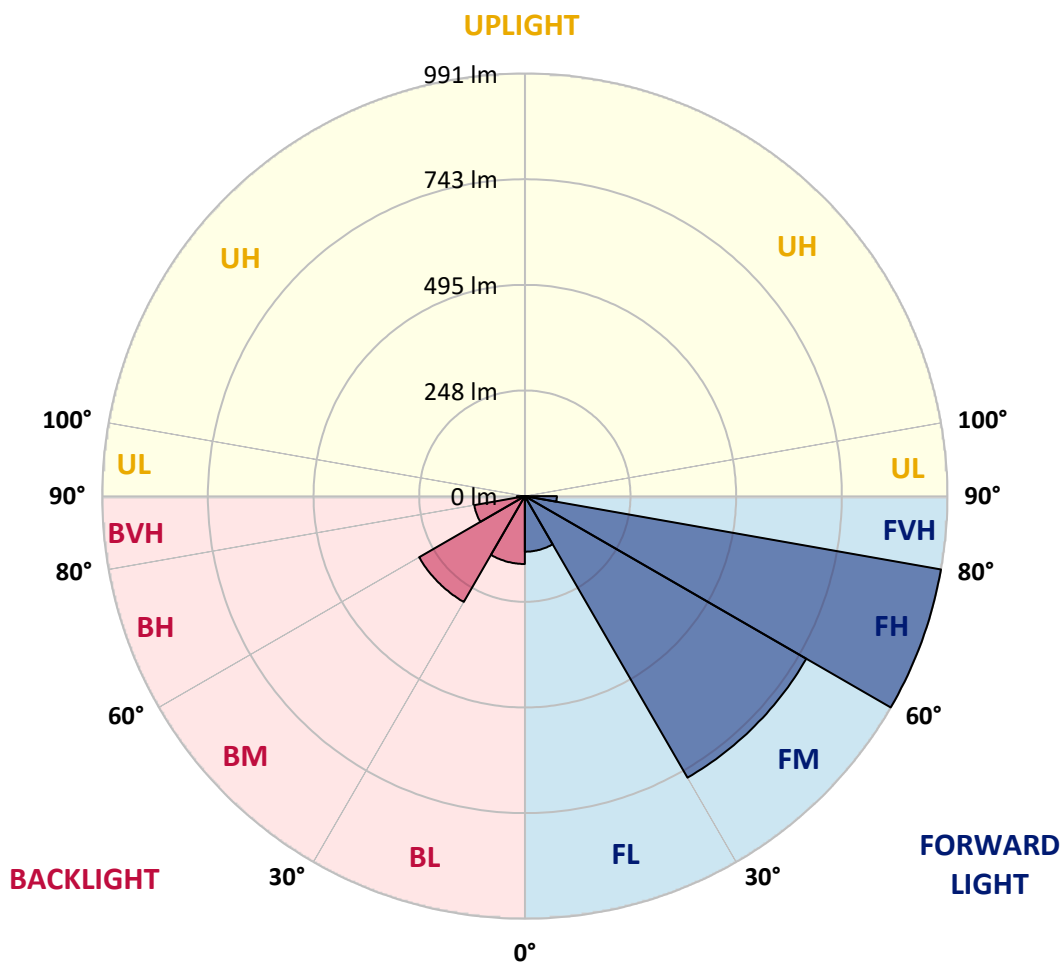
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.3	5.1			
FM (30°-60°)	762.0	30.0			
FH (60°-80°)	990.7	39.0			G1/1800
FVH (80°-90°)	75.0	3.0			G1/100
BL (0°-30°)	159.0	6.3	B1/500		
BM (30°-60°)	286.3	11.3	B1/1000		
BH (60°-80°)	120.5	4.7	B1/500		G1/500
BVH (80°-90°)	18.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3
2.5°	315.5	312.7	315.5	317.4	317.4	317.4	320.2	328.7	334.3	338.0	344.6
5°	282.8	283.7	285.6	290.3	293.1	294.9	299.6	309.9	318.4	330.5	344.6
7.5°	253.7	255.6	258.4	263.1	269.7	268.7	279.0	293.1	309.0	324.9	345.5
10°	238.8	242.5	243.4	244.4	250.9	250.9	265.0	280.9	300.6	321.2	345.5
12.5°	241.6	241.6	238.8	237.8	241.6	240.6	252.8	271.5	293.1	322.1	349.3
15°	250.0	250.0	244.4	238.8	244.4	242.5	252.8	267.8	293.1	323.0	356.7
17.5°	261.2	262.2	255.6	246.3	248.1	249.1	256.6	270.6	293.1	324.9	367.0
20°	283.7	279.0	268.7	253.7	260.3	257.5	268.7	280.9	298.7	332.4	382.0
22.5°	303.4	303.4	283.7	270.6	271.5	271.5	281.8	292.1	307.1	342.7	393.3
25°	335.2	333.3	309.0	289.3	291.2	292.1	297.8	309.9	321.2	348.3	407.3
27.5°	375.5	370.8	346.4	324.0	316.5	319.3	322.1	331.5	334.3	357.7	424.2
30°	418.5	412.0	391.4	355.8	352.1	353.0	348.3	353.9	350.2	372.7	441.0
32.5°	445.7	445.7	426.0	399.8	389.5	389.5	373.6	377.3	377.3	386.7	471.0
35°	469.1	467.2	454.1	434.5	427.9	424.2	408.2	413.9	404.5	413.9	513.1
37.5°	504.7	499.1	493.4	480.3	467.2	464.4	456.0	459.7	446.6	442.0	560.9
40°	545.9	543.1	537.5	531.8	518.7	517.8	508.4	512.2	498.1	480.3	608.6
42.5°	606.7	598.3	580.5	575.8	578.7	582.4	578.7	572.1	546.8	524.3	660.1
45°	667.6	654.5	620.8	613.3	634.8	632.0	647.9	645.1	603.9	568.4	714.4
47.5°	706.9	695.7	668.5	663.9	673.2	677.0	724.7	716.3	650.8	608.6	766.9
50°	735.0	736.0	700.4	712.6	724.7	724.7	784.7	783.7	707.9	658.2	835.2
52.5°	776.2	763.1	748.1	759.4	776.2	785.6	859.6	839.0	743.5	700.4	912.0
55°	797.8	792.1	779.0	798.7	834.3	839.0	917.6	901.7	783.7	750.0	990.6
57.5°	806.2	810.9	832.4	840.8	890.5	902.6	970.0	947.6	821.2	811.8	1051.5
60°	843.6	837.1	866.1	899.8	947.6	954.1	1035.6	986.9	857.7	852.1	1071.2
62.5°	919.5	902.6	918.5	958.8	1025.3	1033.7	1104.9	1039.3	873.6	879.2	1070.2
65°	1030.0	1017.8	994.4	1026.2	1119.9	1132.0	1186.3	1084.3	868.9	869.9	994.4
67.5°	1160.1	1140.5	1116.1	1135.8	1250.0	1278.1	1285.6	1103.9	836.1	817.4	809.0
70°	1274.4	1261.2	1245.3	1279.0	1438.2	1448.5	1409.2	1091.8	745.3	656.4	539.3
72.5°	1381.1	1374.5	1383.9	1510.3	1692.9	1699.5	1525.3	1015.0	589.0	397.9	250.9
75°	1389.5	1383.0	1447.6	1701.3	2012.2	2024.4	1597.4	795.9	310.9	162.0	105.8
77.5°	941.0	960.7	1081.5	1489.7	1848.3	1851.1	1306.2	369.9	128.3	95.5	74.0
80°	231.3	256.6	407.3	770.6	1246.3	1277.2	715.4	124.5	84.3	73.0	55.2
82.5°	84.3	91.8	165.7	348.3	700.4	712.6	250.0	67.4	60.9	56.2	40.3
85°	40.3	41.2	78.7	171.3	353.9	350.2	89.9	40.3	44.0	38.4	24.3
87.5°	16.9	16.9	34.6	79.6	156.4	151.7	29.0	18.7	25.3	22.5	12.2
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°	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3
2.5°	349.3	351.1	358.6	364.2	369.9	374.5	382.0	382.0	386.7	386.7	386.7
5°	348.3	358.6	370.8	383.9	392.3	400.8	408.2	409.2	412.0	415.7	416.7
7.5°	352.1	362.4	382.0	400.8	411.1	414.8	424.2	421.4	421.4	421.4	424.2
10°	359.6	370.8	397.9	414.8	422.3	423.2	420.4	418.5	412.9	411.1	408.2
12.5°	365.2	384.8	412.0	425.1	422.3	419.5	412.9	403.6	397.0	395.1	395.1
15°	379.2	398.9	424.2	428.8	424.2	409.2	400.8	390.5	384.8	376.4	380.2
17.5°	391.4	413.9	436.3	430.7	421.4	397.9	385.8	370.8	363.3	353.9	353.9
20°	407.3	427.9	447.6	432.6	412.0	386.7	367.0	348.3	338.0	328.7	330.5
22.5°	425.1	443.8	454.1	425.1	397.9	368.9	341.8	324.0	310.9	305.2	307.1
25°	439.1	459.7	457.9	412.9	381.1	346.4	316.5	299.6	296.8	291.2	291.2
27.5°	456.9	478.5	455.1	397.9	353.0	310.9	292.1	285.6	285.6	282.8	284.6
30°	480.3	495.3	448.5	376.4	317.4	279.0	269.7	273.4	280.0	277.2	278.1
32.5°	518.7	516.9	442.9	352.1	280.0	248.1	254.7	262.2	267.8	270.6	272.5
35°	556.2	544.0	436.3	319.3	245.3	233.1	238.8	247.2	257.5	260.3	261.2
37.5°	593.6	572.1	425.1	279.0	223.8	220.0	225.7	230.3	238.8	240.6	242.5
40°	633.0	590.8	405.4	239.7	206.0	206.0	209.7	210.7	215.4	218.2	220.0
42.5°	667.6	608.6	369.9	203.2	187.3	193.8	194.8	192.9	189.1	191.0	191.9
45°	709.7	628.3	328.7	177.0	173.2	181.6	183.5	176.0	169.5	165.7	163.9
47.5°	750.9	648.9	293.1	155.4	160.1	173.2	173.2	164.8	153.6	144.2	140.5
50°	788.4	669.5	264.0	142.3	147.0	166.7	168.5	152.6	140.5	129.2	127.3
52.5°	851.1	704.1	234.1	132.0	139.5	162.0	161.0	147.0	131.1	118.9	118.0
55°	906.4	738.8	194.8	121.7	132.0	155.4	158.2	141.4	119.9	108.6	106.7
57.5°	946.6	747.2	155.4	111.4	124.5	147.9	151.7	130.2	112.4	103.0	102.1
60°	954.1	714.4	126.4	103.0	114.2	137.6	140.5	123.6	106.7	99.3	97.4
62.5°	919.5	651.7	107.7	95.5	105.8	127.3	133.0	116.1	101.1	94.6	93.6
65°	840.8	559.9	94.6	89.0	100.2	119.9	126.4	110.5	96.4	90.8	89.9
67.5°	665.7	429.8	84.3	84.3	92.7	112.4	121.7	106.7	91.8	88.0	87.1
70°	435.4	258.4	76.8	77.7	87.1	105.8	116.1	102.1	86.1	85.2	83.3
72.5°	187.3	118.9	68.4	71.2	78.7	94.6	107.7	95.5	79.6	76.8	74.0
75°	86.1	72.1	61.8	63.7	70.2	83.3	97.4	88.0	74.0	69.3	66.5
77.5°	60.9	52.4	51.5	55.2	59.9	72.1	86.1	82.4	68.4	64.6	62.7
80°	44.9	40.3	43.1	46.8	49.6	66.5	81.5	75.8	62.7	57.1	54.3
82.5°	31.8	30.0	33.7	37.5	40.3	58.1	74.9	66.5	52.4	47.8	43.1
85°	18.7	19.7	23.4	25.3	28.1	43.1	62.7	53.4	40.3	30.9	30.0
87.5°	8.4	8.4	11.2	12.2	14.0	25.3	42.1	33.7	25.3	19.7	18.7
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)