

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: P676518

Luminaire Tested: **CCW-SA-1A-722-U-T4FT-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676518
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-722-U-T4FT-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T4FT distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1447 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

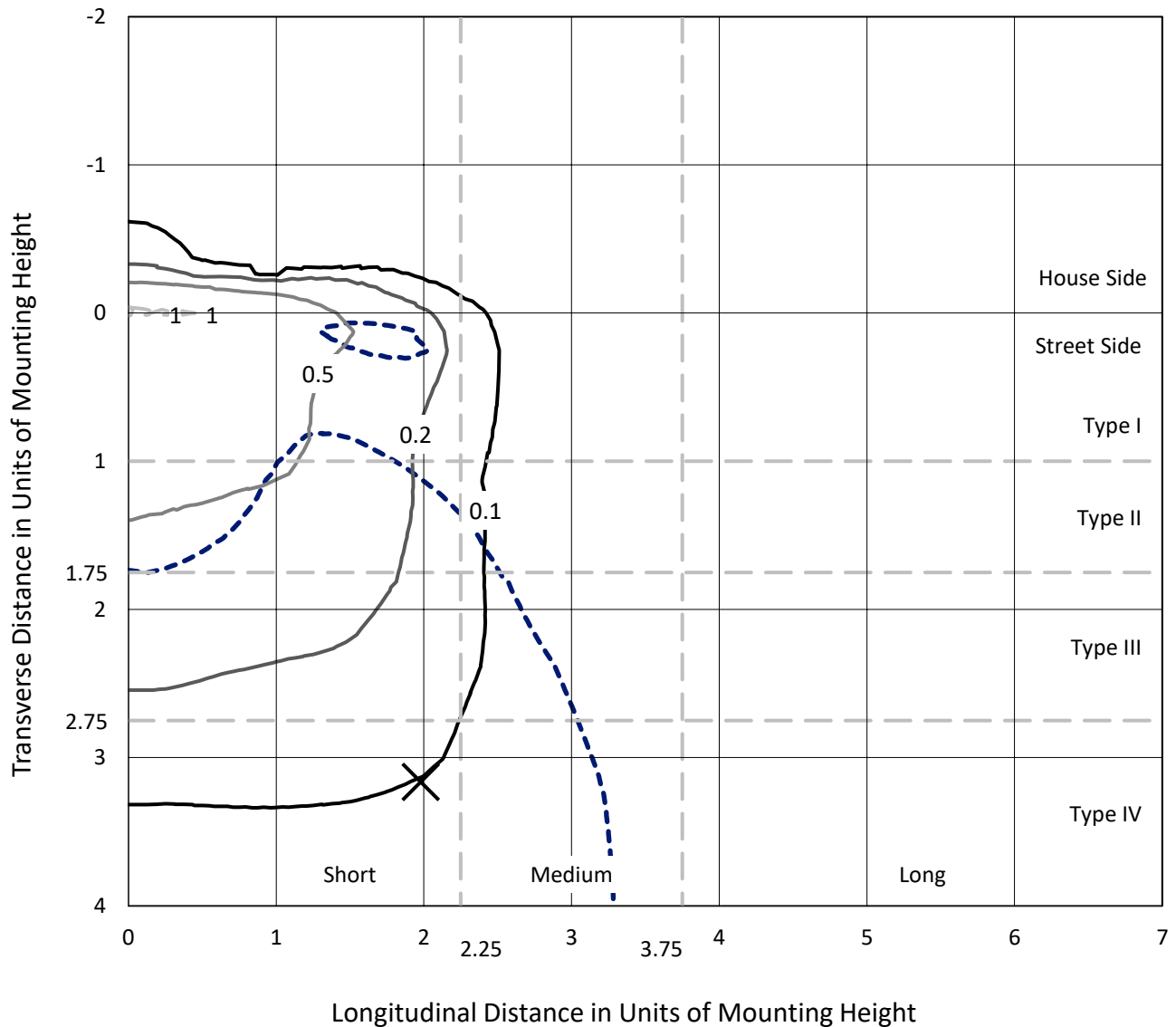
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

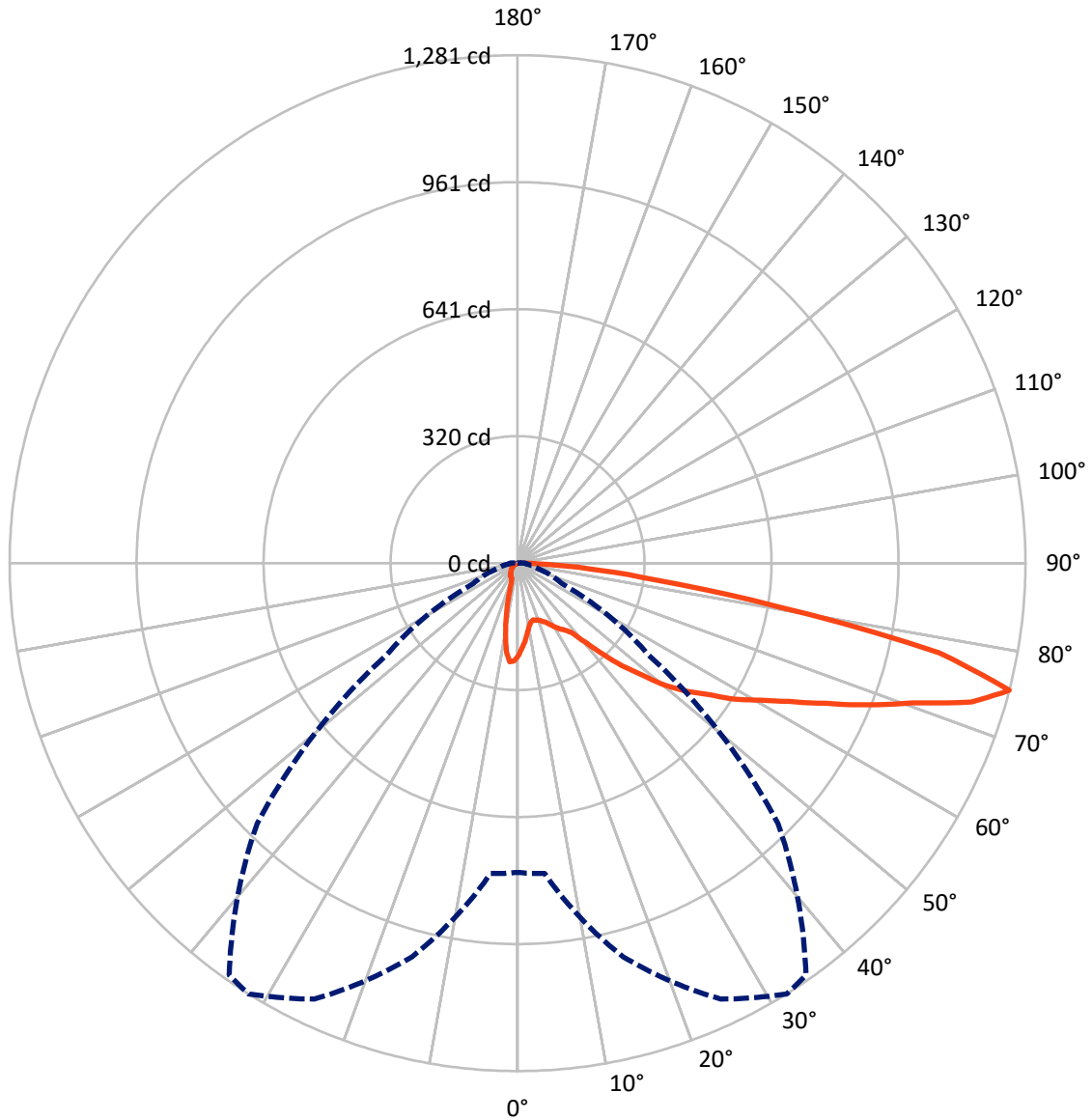
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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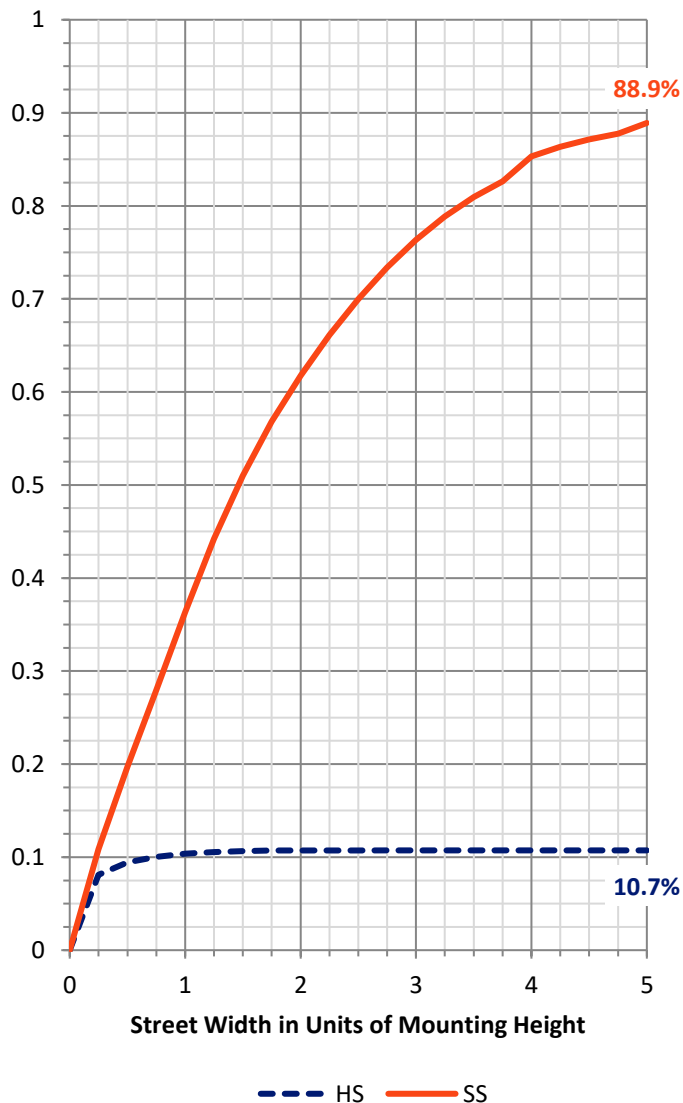
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	156.3	0.0	156.3
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	1290.7	0.0	1290.7
	% Fixture	89.2	0.0	89.2
Total	Lumens	1447.0	0.0	1447.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	1.4
10°-20°	46.6	3.2
20°-30°	69.8	4.8
30°-40°	107.1	7.4
40°-50°	187.4	12.9
50°-60°	292.9	20.2
60°-70°	378.6	26.2
70°-80°	308.4	21.3
80°-90°	35.7	2.5
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°	1447.0	100.0
0°-180°	1447.0	100.0



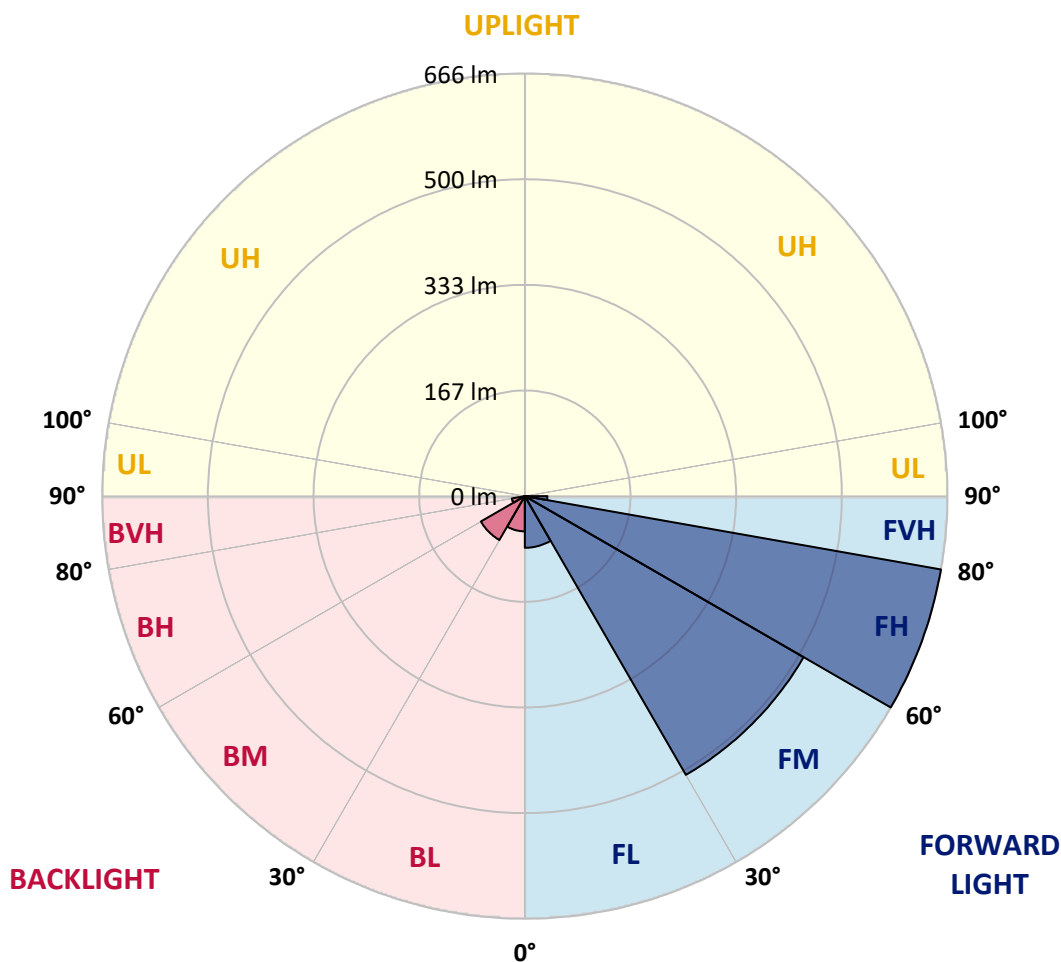
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	81.4	5.6			
FM (30°-60°)	507.4	35.1			
FH (60°-80°)	666.2	46.0			G1/1800
FVH (80°-90°)	35.7	2.5			G1/100
BL (0°-30°)	55.5	3.8	B0/110		
BM (30°-60°)	80.0	5.5	B0/220		
BH (60°-80°)	20.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.0	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6
2.5°	209.5	212.5	212.1	214.0	214.4	215.5	218.1	218.1	225.5	230.7	234.0
5°	190.6	188.8	189.5	191.7	197.3	196.9	203.2	206.6	215.5	222.9	230.7
7.5°	167.3	166.9	168.4	173.6	177.6	181.0	187.7	196.2	208.1	219.2	232.9
10°	152.4	151.7	154.7	156.1	161.0	163.2	173.6	186.9	201.0	217.0	232.9
12.5°	149.1	146.5	148.0	147.6	152.1	153.2	163.2	179.5	196.6	216.2	235.9
15°	150.9	149.1	147.6	147.6	148.7	149.5	160.2	174.7	194.0	217.3	242.5
17.5°	156.9	155.8	151.3	146.9	151.7	151.7	158.4	173.6	194.3	220.7	250.7
20°	163.9	162.8	155.0	149.8	153.2	156.9	163.9	176.2	195.4	223.3	263.3
22.5°	171.7	171.7	161.0	155.0	159.5	159.8	172.5	184.3	199.9	229.9	271.5
25°	181.4	180.6	170.2	163.6	165.0	169.1	180.6	193.2	208.1	239.2	286.7
27.5°	194.0	192.9	180.6	173.9	175.8	180.2	193.2	205.8	215.5	242.9	299.7
30°	204.3	203.2	193.2	183.2	187.3	191.4	206.6	217.7	224.7	250.0	314.5
32.5°	206.6	204.7	198.0	193.6	198.0	205.8	217.7	229.2	240.0	267.8	342.7
35°	232.2	225.5	208.1	201.0	207.7	210.3	229.9	250.3	260.7	281.9	374.2
37.5°	281.1	274.8	251.8	232.2	222.9	225.9	251.4	276.7	286.7	308.2	408.7
40°	341.2	330.8	306.3	280.0	261.1	257.4	274.1	311.2	320.8	341.2	453.9
42.5°	409.8	399.8	362.0	330.8	311.5	306.7	309.3	351.2	359.4	371.6	483.6
45°	459.1	453.9	411.3	383.5	368.3	363.1	356.8	395.0	405.4	409.4	526.6
47.5°	487.7	484.0	460.2	441.3	420.9	415.4	419.5	455.8	448.8	452.1	567.8
50°	525.9	516.2	484.0	489.9	485.8	484.4	491.4	507.3	497.0	487.3	612.7
52.5°	556.7	539.6	517.0	531.5	537.8	543.3	568.2	580.0	533.7	518.8	641.6
55°	575.6	559.3	565.2	578.6	585.2	610.8	640.1	631.2	557.8	544.1	680.2
57.5°	592.6	593.8	609.7	613.8	647.9	652.4	708.7	679.8	574.8	567.1	695.4
60°	633.8	629.7	642.7	669.0	701.7	726.5	780.3	712.4	583.4	578.9	691.3
62.5°	708.0	682.8	687.2	720.6	768.4	795.5	821.5	727.3	581.2	580.8	679.1
65°	802.2	773.3	759.9	791.1	853.0	891.2	867.8	744.0	566.3	576.7	633.4
67.5°	880.4	880.8	856.0	873.4	954.2	962.4	911.6	740.6	541.5	544.4	522.2
70°	970.6	982.8	960.9	1015.4	1055.9	1061.1	961.7	713.2	488.1	410.6	300.0
72.5°	993.6	999.9	1068.1	1151.9	1197.5	1199.0	1011.0	621.6	321.2	181.4	93.1
75°	780.3	786.2	1028.0	1213.5	1281.4	1268.4	928.7	403.5	125.0	53.0	22.3
77.5°	435.4	437.3	638.3	980.9	1087.0	1034.7	650.5	157.2	50.4	30.4	10.4
80°	119.0	139.8	236.6	483.6	663.9	651.6	309.7	51.2	32.6	23.7	4.8
82.5°	28.6	30.8	76.0	214.0	350.8	366.0	92.3	26.0	22.6	19.7	2.6
85°	10.4	11.5	23.4	104.2	180.2	165.4	27.8	13.0	16.7	15.2	1.1
87.5°	3.7	3.7	7.4	34.1	52.7	39.7	9.3	4.5	8.5	9.3	0.4
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°	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6
2.5°	234.4	234.4	239.6	244.0	245.5	247.4	245.5	249.6	249.2	247.4	248.1
5°	234.8	241.4	245.9	248.9	250.3	250.0	250.7	246.3	243.7	241.8	240.0
7.5°	236.6	242.9	251.1	250.3	246.3	237.7	231.1	219.2	207.7	207.3	205.5
10°	242.9	248.5	253.3	250.3	235.5	209.5	188.4	172.5	158.0	151.3	152.1
12.5°	247.4	257.8	255.5	240.3	209.5	175.4	144.3	120.9	107.9	95.7	95.7
15°	256.6	260.3	259.6	225.9	177.6	136.9	99.0	75.3	61.6	56.0	55.3
17.5°	265.5	269.6	257.0	204.0	146.1	92.0	60.1	46.7	44.9	44.1	44.5
20°	276.7	277.0	254.8	182.1	109.8	58.2	43.0	41.9	42.3	41.9	41.9
22.5°	288.5	291.1	247.0	151.3	73.1	42.3	40.1	40.4	40.4	40.4	41.5
25°	304.1	300.0	234.8	122.0	47.8	38.9	38.9	39.3	39.3	39.3	39.7
27.5°	314.5	308.9	219.2	87.9	37.5	36.7	37.5	37.5	38.2	38.2	38.2
30°	336.0	321.5	199.5	56.7	33.7	34.9	35.6	36.3	36.7	37.5	37.8
32.5°	352.7	332.7	175.1	37.8	30.8	31.5	33.4	34.9	36.3	36.0	36.0
35°	383.1	350.8	152.4	30.0	28.2	28.2	30.0	32.6	34.9	35.6	35.6
37.5°	418.0	365.7	120.9	27.4	26.0	26.0	27.1	30.0	33.0	34.5	33.7
40°	446.9	382.7	89.4	25.6	24.1	24.1	24.8	27.1	30.4	33.0	33.4
42.5°	467.3	395.3	60.5	23.7	22.6	22.3	23.4	24.5	27.1	30.8	31.5
45°	485.8	402.0	37.5	21.9	21.1	21.1	21.1	22.3	24.1	27.4	28.2
47.5°	518.8	409.4	27.1	20.4	19.3	19.7	20.0	20.4	21.9	22.6	23.0
50°	546.7	415.0	22.3	18.9	18.2	18.5	18.5	18.5	19.3	18.2	18.2
52.5°	567.8	409.4	18.9	17.4	16.7	17.1	16.7	16.7	15.9	14.5	14.5
55°	583.4	399.4	15.2	15.9	15.9	15.9	15.2	14.1	12.6	11.5	11.5
57.5°	587.5	382.4	11.9	13.4	14.5	14.5	13.0	11.5	9.6	8.5	8.2
60°	581.2	345.3	8.9	9.6	11.1	11.5	10.4	8.5	6.7	5.6	5.6
62.5°	558.5	316.0	7.0	6.3	8.2	8.5	7.4	5.6	3.7	2.6	2.2
65°	515.5	270.7	5.2	4.5	5.6	5.9	4.8	2.6	1.1	0.4	0.0
67.5°	413.5	204.0	3.3	3.0	3.7	3.7	2.2	0.7	0.0	0.0	0.0
70°	228.8	114.6	2.2	1.5	1.9	1.1	0.4	0.0	0.0	0.0	0.0
72.5°	66.0	32.6	1.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	17.8	7.8	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	7.8	3.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	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)