

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: P677049

Luminaire Tested: **CCW-SA-1A-835-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677049
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-835-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

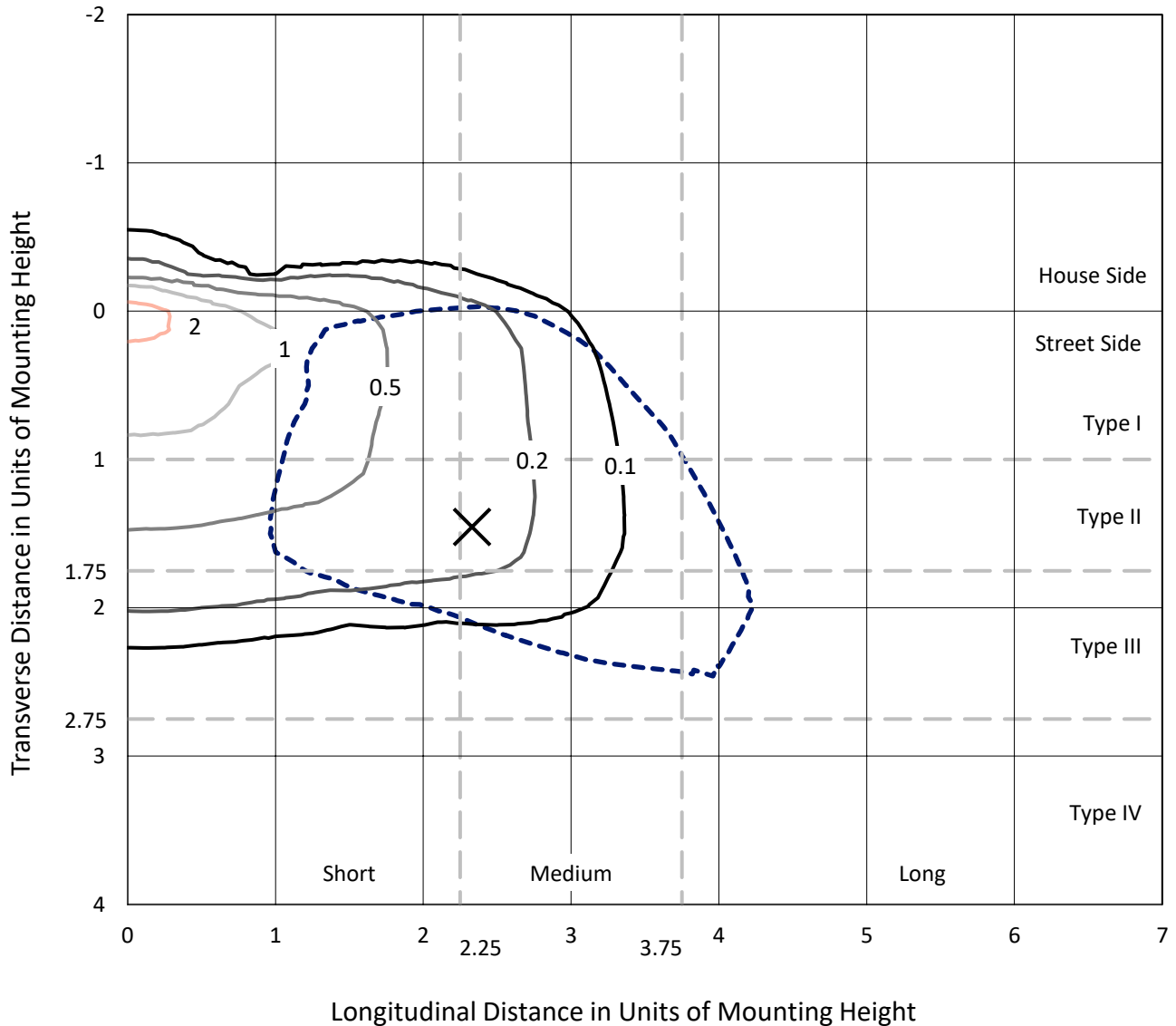
Lumens per Lamp: N/A
Luminaire Lumens: 1862.8 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

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

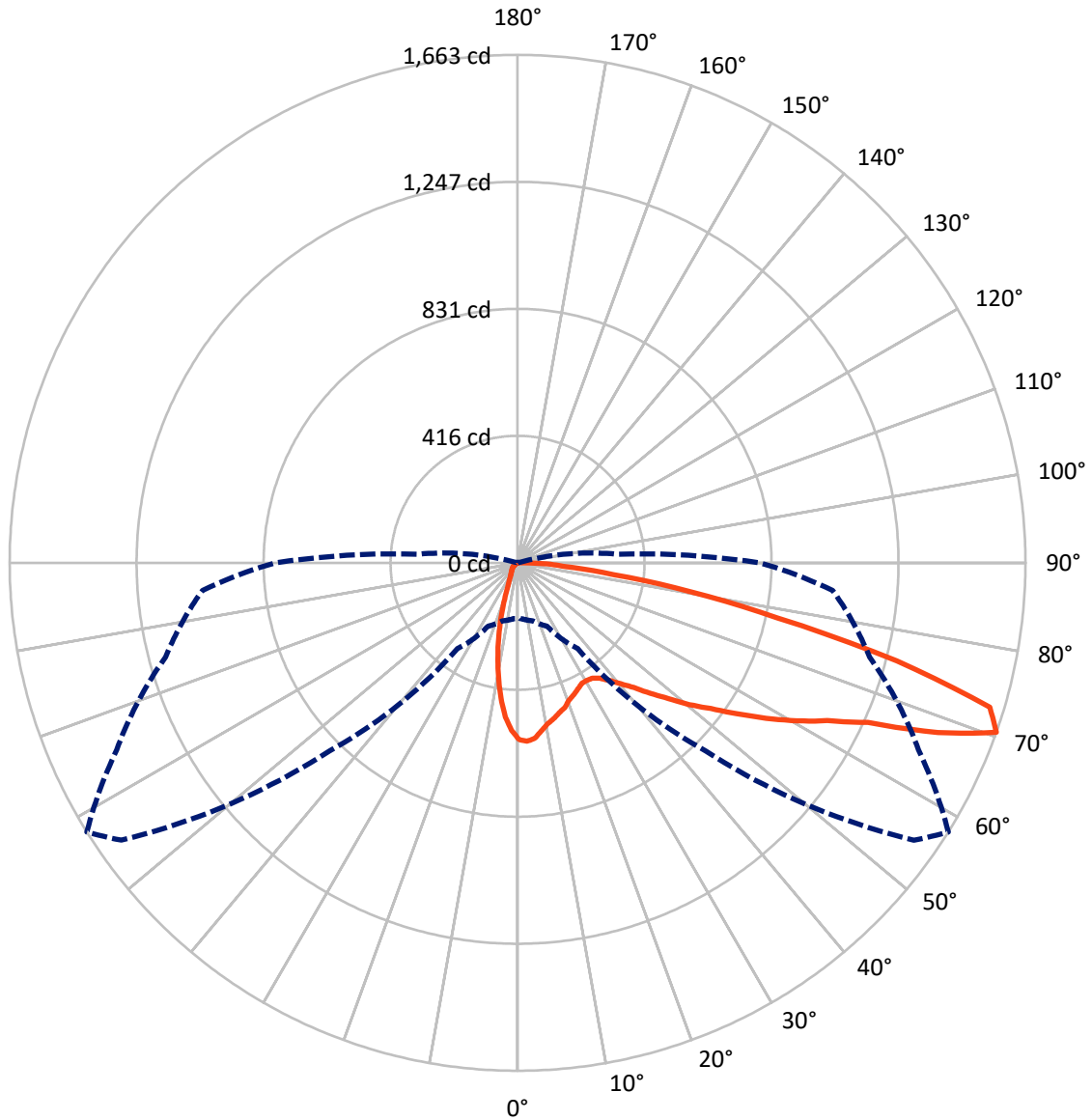
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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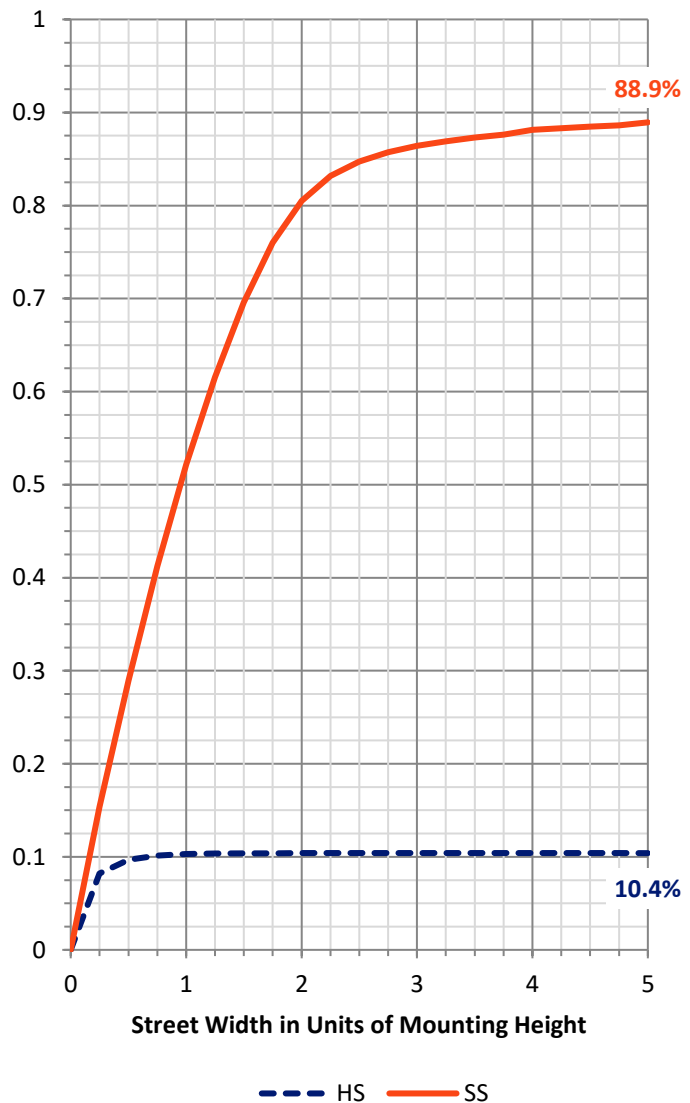
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	195.1	0.0	195.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	1667.8	0.0	1667.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	1862.8	0.0	1862.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	2.5
10°-20°	98.2	5.3
20°-30°	131.5	7.1
30°-40°	177.8	9.5
40°-50°	255.2	13.7
50°-60°	376.1	20.2
60°-70°	458.7	24.6
70°-80°	280.1	15.0
80°-90°	38.0	2.0
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°	1862.8	100.0
0°-180°	1862.8	100.0

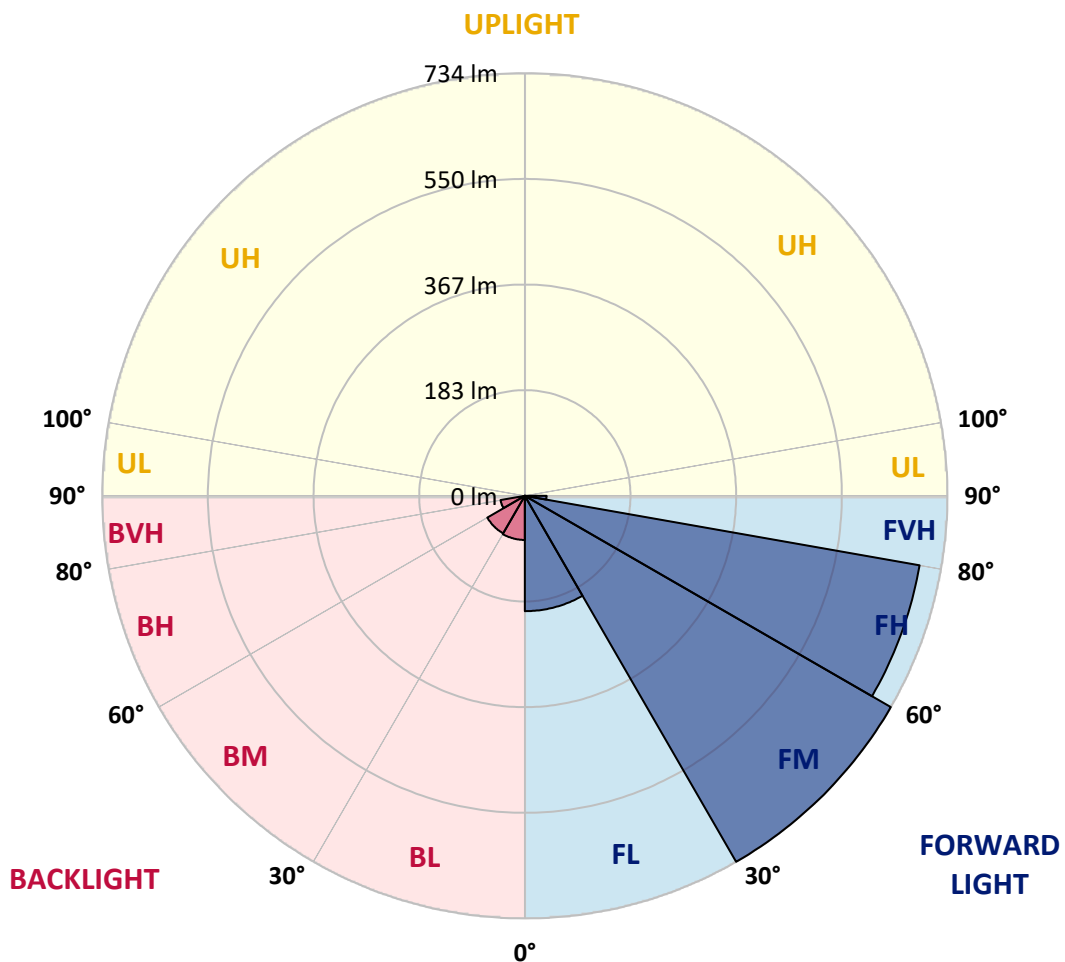


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.3	10.8			
FM (30°-60°)	733.8	39.4			
FH (60°-80°)	696.0	37.4			G1/1800
FVH (80°-90°)	37.7	2.0			G1/100
BL (0°-30°)	76.7	4.1	B0/110		
BM (30°-60°)	75.3	4.0	B0/220		
BH (60°-80°)	42.7	2.3	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: B0-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3
2.5°	588.8	590.9	585.7	591.8	586.1	588.8	585.7	584.8	585.3	585.7	582.2
5°	561.2	566.5	568.7	565.2	573.5	572.2	577.4	577.8	575.7	573.5	573.9
7.5°	525.0	530.2	532.4	534.6	542.9	553.8	560.8	556.4	559.9	567.8	556.0
10°	498.8	497.5	497.0	501.4	517.1	526.3	538.1	536.8	545.5	552.9	543.3
12.5°	466.5	463.8	471.7	475.2	489.2	505.3	514.5	524.1	532.9	540.7	529.8
15°	442.4	444.6	447.7	455.1	465.2	486.6	500.1	509.3	525.0	528.9	524.6
17.5°	423.2	425.0	429.3	433.3	445.9	466.5	487.9	498.8	515.4	525.9	512.3
20°	423.7	418.4	418.4	422.4	429.3	453.8	476.5	480.0	502.7	520.6	511.5
22.5°	424.1	422.4	418.4	418.0	421.0	438.5	461.7	469.5	494.0	515.0	504.0
25°	430.2	423.7	424.1	418.0	419.3	428.0	446.4	458.2	486.1	518.0	500.1
27.5°	435.5	438.5	432.4	429.8	422.4	421.9	437.2	447.3	482.2	525.0	502.7
30°	447.3	449.4	449.4	447.7	440.7	430.7	434.1	446.8	474.3	523.7	498.4
32.5°	466.9	463.0	468.2	465.6	456.4	440.7	443.8	450.3	479.1	540.3	505.3
35°	473.5	476.5	483.5	477.8	474.8	465.6	459.5	464.3	486.1	556.9	515.8
37.5°	493.5	489.2	494.0	506.7	509.7	493.1	481.3	488.3	512.3	576.5	525.4
40°	495.3	498.8	507.5	532.4	535.5	528.5	518.9	520.6	538.5	601.9	549.5
42.5°	504.0	508.0	525.9	546.8	563.4	564.7	557.8	557.8	573.0	642.5	576.1
45°	521.1	514.5	537.7	573.0	597.1	601.9	611.0	608.9	621.1	685.3	625.9
47.5°	527.6	529.8	555.1	597.9	625.5	647.7	663.0	663.5	669.6	739.9	690.5
50°	549.0	548.6	579.2	618.9	659.5	700.1	729.8	729.8	729.4	793.2	746.0
52.5°	577.4	576.5	600.1	647.3	700.1	751.2	790.6	791.9	801.9	858.7	809.8
55°	623.7	619.8	642.5	677.4	740.8	802.8	870.9	871.4	863.5	905.4	855.6
57.5°	662.6	662.1	680.9	714.6	786.2	869.2	948.2	960.0	935.1	953.5	892.3
60°	652.5	658.2	697.1	746.9	834.2	952.2	1031.6	1050.0	1010.2	986.2	919.8
62.5°	590.1	603.2	645.5	725.0	874.8	1072.7	1146.5	1138.2	1049.6	1014.2	953.5
65°	424.5	437.6	490.1	609.3	827.7	1157.9	1297.6	1260.1	1119.4	1055.7	998.5
67.5°	249.8	255.1	287.8	388.7	618.9	1111.6	1481.1	1484.1	1257.0	1119.4	1076.2
70°	180.4	184.3	197.0	229.3	342.9	871.4	1583.3	1662.8	1447.9	1192.8	1035.1
72.5°	138.5	138.5	159.9	190.9	218.4	521.9	1457.1	1616.5	1489.4	1122.5	834.2
75°	99.6	102.2	125.4	164.2	201.4	262.1	1073.6	1282.8	1262.3	909.8	582.6
77.5°	57.2	58.5	88.2	137.6	189.1	179.9	663.5	869.6	894.1	569.5	252.5
80°	29.3	30.1	49.4	108.8	171.2	156.8	395.7	572.6	485.7	165.5	58.5
82.5°	14.4	14.4	22.3	69.4	145.4	138.9	232.8	316.2	172.1	38.0	24.5
85°	4.8	5.2	10.0	39.3	105.3	83.9	142.4	150.2	57.7	14.4	13.5
87.5°	1.3	1.7	2.6	14.4	45.9	55.0	84.7	96.1	23.6	5.7	6.6
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°	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3
2.5°	569.1	566.1	562.6	553.8	546.8	537.7	531.5	526.7	517.6	519.3	515.4
5°	563.4	557.8	537.7	518.4	501.0	474.3	456.0	444.2	434.6	425.0	432.0
7.5°	553.4	539.8	508.4	472.6	435.5	400.5	365.6	344.6	329.3	315.3	314.9
10°	536.4	514.5	465.2	418.4	361.2	315.3	270.8	235.9	213.1	196.5	196.1
12.5°	517.1	494.4	432.4	356.4	290.5	225.8	172.5	135.4	114.0	100.9	99.1
15°	504.9	471.7	391.3	301.4	219.7	147.2	95.7	72.5	64.2	61.1	61.1
17.5°	489.2	451.2	350.7	244.2	152.4	85.2	62.0	55.9	55.5	54.6	53.7
20°	482.6	435.5	314.5	194.8	96.5	60.3	53.3	52.0	52.0	51.1	50.2
22.5°	465.2	412.7	276.0	142.8	64.2	52.8	50.2	48.5	47.6	46.7	47.6
25°	457.3	396.6	239.8	98.7	52.4	47.2	45.9	44.1	42.8	42.4	42.4
27.5°	452.1	380.4	204.4	68.6	46.3	43.2	40.6	39.3	37.6	35.8	35.8
30°	448.1	367.8	170.3	50.7	41.5	38.4	36.3	33.2	31.0	29.3	29.3
32.5°	442.9	352.9	136.3	43.2	37.6	34.5	30.6	28.0	24.9	23.6	23.6
35°	444.6	342.9	107.0	38.4	33.6	29.7	26.2	22.7	19.7	18.3	17.9
37.5°	448.1	335.4	81.2	34.5	30.1	25.8	21.8	17.9	16.2	14.4	14.4
40°	463.0	333.3	59.8	31.9	27.5	22.7	18.3	14.9	13.1	11.8	11.4
42.5°	487.9	336.3	46.3	28.8	24.9	19.2	15.3	12.2	10.5	9.2	8.7
45°	519.8	348.1	38.0	27.1	21.8	16.2	12.2	10.0	7.9	7.0	7.0
47.5°	566.1	366.4	33.2	24.9	19.2	13.5	10.5	7.9	6.1	5.2	5.2
50°	618.5	387.4	29.3	22.3	16.6	11.4	8.3	6.1	4.4	3.9	3.9
52.5°	670.9	414.1	27.1	20.5	14.4	9.2	6.6	4.4	3.1	2.6	2.6
55°	725.9	437.6	24.5	19.2	11.8	7.4	4.8	2.6	1.7	1.3	1.3
57.5°	764.3	446.8	21.4	16.6	9.2	5.7	3.5	1.7	0.9	0.4	0.4
60°	791.9	448.1	18.3	13.5	7.0	4.4	2.2	0.9	0.4	0.0	0.0
62.5°	815.0	450.7	15.7	10.5	5.2	3.1	1.3	0.4	0.0	0.0	0.0
65°	860.9	448.6	12.7	8.3	3.5	1.7	0.9	0.0	0.0	0.0	0.0
67.5°	897.1	426.7	10.0	5.7	2.2	0.9	0.4	0.0	0.0	0.0	0.0
70°	793.6	325.4	7.9	3.9	1.3	0.4	0.0	0.0	0.0	0.0	0.0
72.5°	623.3	217.1	5.2	2.2	0.9	0.4	0.0	0.0	0.0	0.0	0.0
75°	408.8	107.9	3.9	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	159.0	28.4	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	38.4	9.6	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.6	3.5	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.0	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.2	0.9	0.4	0.4	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)