

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: P676961

Luminaire Tested: **CCW-SA-1A-727-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676961
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-727-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) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

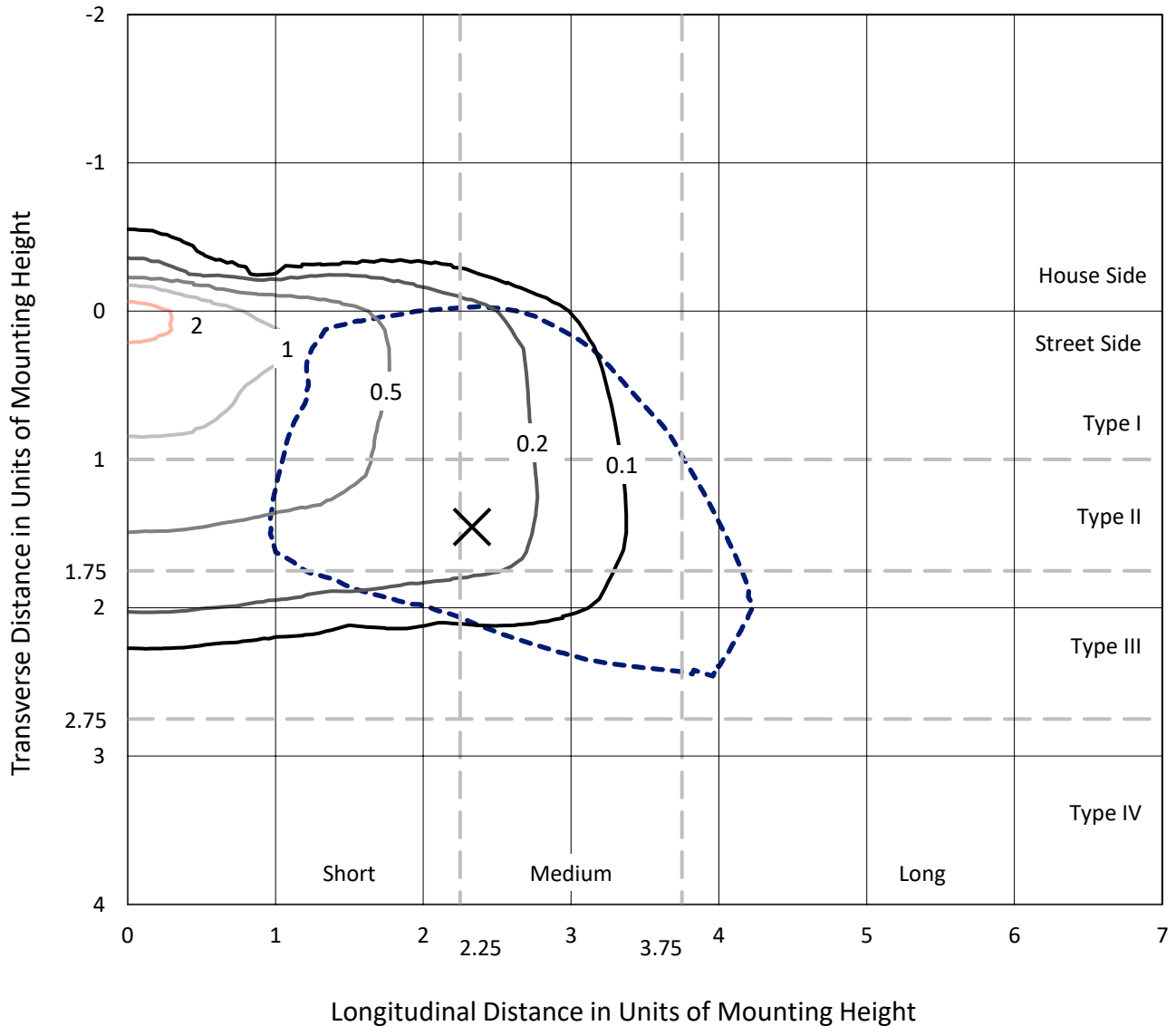
Lumens per Lamp: N/A
Luminaire Lumens: 1890.6 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 18
Input Voltage (V): 120
Input Current (A_{in}): 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

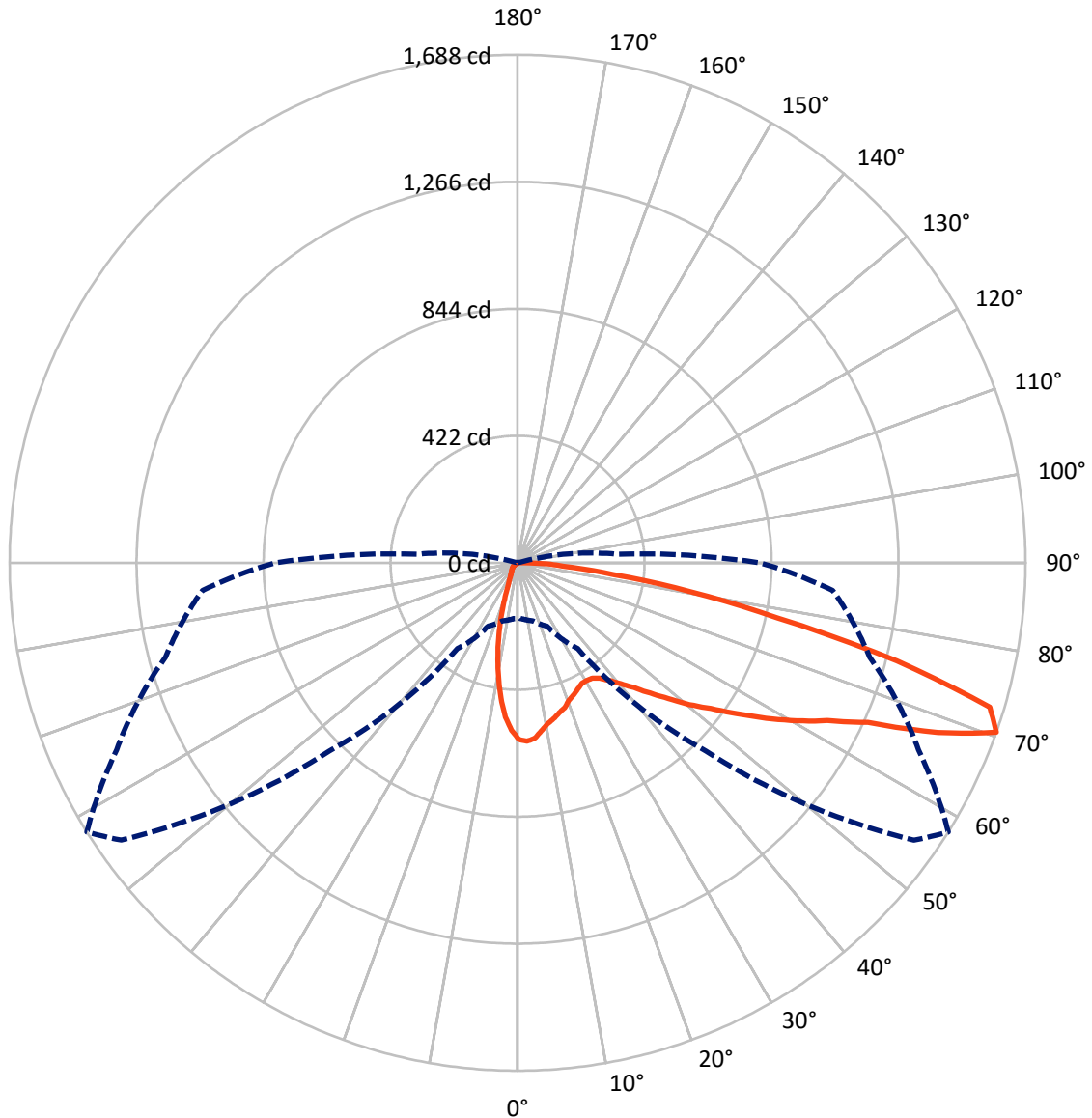
× Max cd
 - - - 1/2 Max cd



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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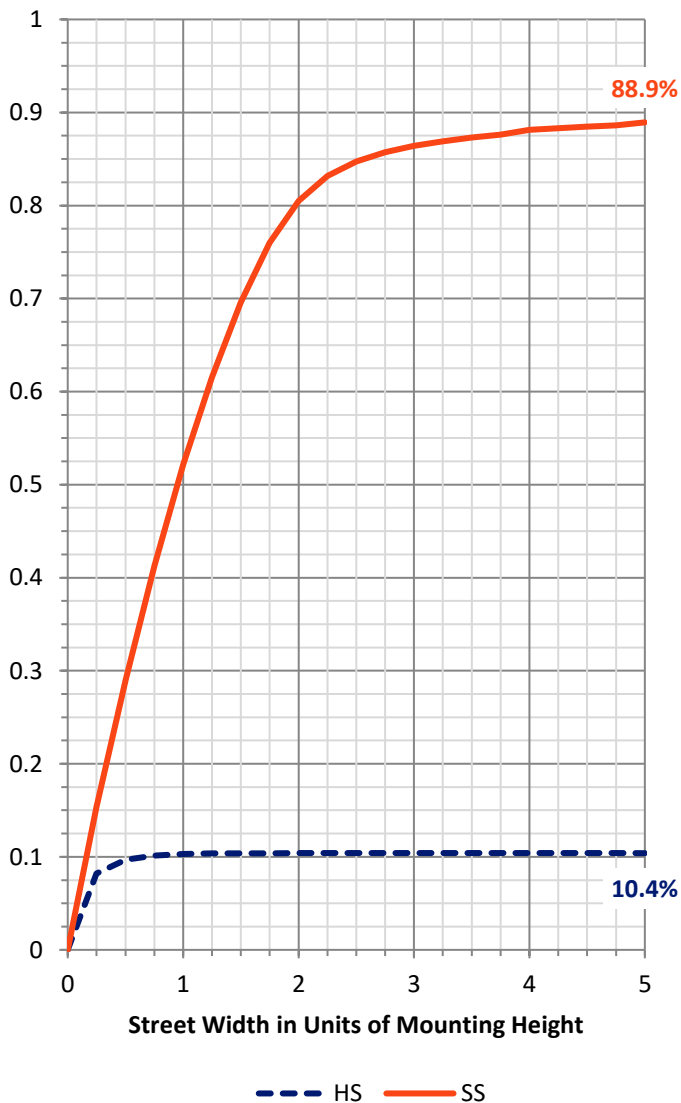
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	198.0	0.0	198.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	1692.7	0.0	1692.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	1890.6	0.0	1890.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	2.5
10°-20°	99.7	5.3
20°-30°	133.5	7.1
30°-40°	180.5	9.5
40°-50°	259.0	13.7
50°-60°	381.7	20.2
60°-70°	465.5	24.6
70°-80°	284.3	15.0
80°-90°	38.6	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°	1890.6	100.0
0°-180°	1890.6	100.0

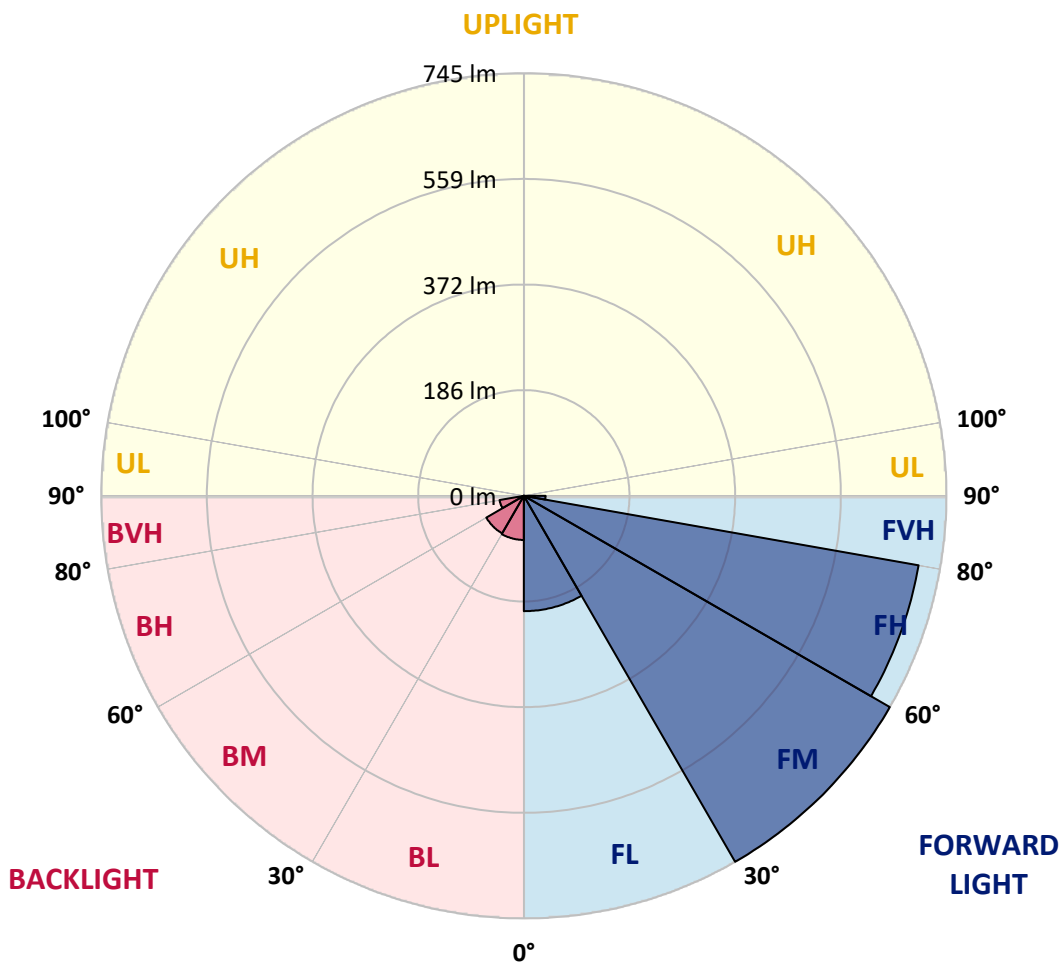


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	203.3	10.8			
FM (30°-60°)	744.7	39.4			
FH (60°-80°)	706.4	37.4			G1/1800
FVH (80°-90°)	38.2	2.0			G1/100
BL (0°-30°)	77.8	4.1	B0/110		
BM (30°-60°)	76.4	4.0	B0/220		
BH (60°-80°)	43.4	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°	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9
2.5°	597.6	599.8	594.5	600.7	594.9	597.6	594.5	593.6	594.0	594.5	590.9
5°	569.6	574.9	577.2	573.6	582.0	580.7	586.0	586.5	584.3	582.0	582.5
7.5°	532.8	538.2	540.4	542.6	551.0	562.1	569.2	564.7	568.3	576.3	564.3
10°	506.2	504.9	504.5	508.9	524.9	534.2	546.1	544.8	553.7	561.2	551.5
12.5°	473.4	470.8	478.8	482.3	496.5	512.9	522.2	531.9	540.8	548.8	537.7
15°	449.1	451.3	454.4	461.9	472.1	493.8	507.6	516.9	532.8	536.8	532.4
17.5°	429.5	431.3	435.8	439.7	452.6	473.4	495.2	506.2	523.1	533.7	520.0
20°	430.0	424.7	424.7	428.7	435.8	460.6	483.6	487.2	510.2	528.4	519.1
22.5°	430.4	428.7	424.7	424.2	427.3	445.1	468.6	476.5	501.4	522.6	511.6
25°	436.6	430.0	430.4	424.2	425.6	434.4	453.0	465.0	493.4	525.7	507.6
27.5°	442.0	445.1	438.9	436.2	428.7	428.2	443.7	453.9	489.4	532.8	510.2
30°	453.9	456.1	456.1	454.4	447.3	437.1	440.6	453.5	481.4	531.5	505.8
32.5°	473.9	469.9	475.2	472.5	463.2	447.3	450.4	457.0	486.3	548.3	512.9
35°	480.5	483.6	490.7	485.0	481.9	472.5	466.3	471.2	493.4	565.2	523.5
37.5°	500.9	496.5	501.4	514.2	517.3	500.5	488.5	495.6	520.0	585.1	533.3
40°	502.7	506.2	515.1	540.4	543.5	536.4	526.6	528.4	546.6	610.9	557.7
42.5°	511.6	515.5	533.7	555.0	571.8	573.2	566.1	566.1	581.6	652.1	584.7
45°	528.8	522.2	545.7	581.6	606.0	610.9	620.2	617.9	630.4	695.5	635.2
47.5°	535.5	537.7	563.4	606.9	634.8	657.4	672.9	673.4	679.6	750.9	700.8
50°	557.2	556.8	587.8	628.1	669.4	710.6	740.7	740.7	740.3	805.0	757.1
52.5°	586.0	585.1	609.1	657.0	710.6	762.5	802.4	803.7	813.9	871.5	821.9
55°	633.0	629.0	652.1	687.5	751.8	814.8	883.9	884.4	876.4	918.9	868.4
57.5°	672.5	672.0	691.1	725.2	797.9	882.1	962.4	974.3	949.1	967.7	905.6
60°	662.3	668.0	707.5	758.0	846.7	966.4	1047.0	1065.7	1025.3	1000.9	933.6
62.5°	598.9	612.2	655.2	735.9	887.9	1088.7	1163.6	1155.2	1065.2	1029.3	967.7
65°	430.9	444.2	497.4	618.4	840.0	1175.2	1317.0	1278.9	1136.1	1071.4	1013.4
67.5°	253.6	258.9	292.1	394.5	628.1	1128.2	1503.2	1506.3	1275.8	1136.1	1092.3
70°	183.1	187.1	199.9	232.7	348.0	884.4	1606.9	1687.6	1469.5	1210.6	1050.6
72.5°	140.5	140.5	162.2	193.7	221.6	529.7	1478.8	1640.6	1511.6	1139.3	846.7
75°	101.1	103.7	127.2	166.7	204.4	266.0	1089.6	1301.9	1281.1	923.4	591.3
77.5°	58.1	59.4	89.5	139.6	191.9	182.6	673.4	882.6	907.4	578.0	256.2
80°	29.7	30.6	50.1	110.4	173.8	159.1	401.6	581.2	492.9	168.0	59.4
82.5°	14.6	14.6	22.6	70.5	147.6	141.0	236.3	320.9	174.7	38.6	24.8
85°	4.9	5.3	10.2	39.9	106.8	85.1	144.5	152.5	58.5	14.6	13.7
87.5°	1.3	1.8	2.7	14.6	46.5	55.9	86.0	97.5	23.9	5.8	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°	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9
2.5°	577.6	574.5	571.0	562.1	555.0	545.7	539.5	534.6	525.3	527.1	523.1
5°	571.8	566.1	545.7	526.2	508.5	481.4	462.8	450.8	441.1	431.3	438.4
7.5°	561.6	547.9	516.0	479.6	442.0	406.5	371.0	349.8	334.2	320.1	319.6
10°	544.4	522.2	472.1	424.7	366.6	320.1	274.8	239.4	216.3	199.5	199.0
12.5°	524.9	501.8	438.9	361.7	294.8	229.2	175.1	137.4	115.7	102.4	100.6
15°	512.4	478.8	397.2	305.9	223.0	149.4	97.1	73.6	65.2	62.1	62.1
17.5°	496.5	457.9	356.0	247.8	154.7	86.4	62.9	56.7	56.3	55.4	54.5
20°	489.8	442.0	319.2	197.7	98.0	61.2	54.1	52.8	52.8	51.9	51.0
22.5°	472.1	418.9	280.2	145.0	65.2	53.6	51.0	49.2	48.3	47.4	48.3
25°	464.1	402.5	243.4	100.2	53.2	47.9	46.5	44.8	43.4	43.0	43.0
27.5°	458.8	386.1	207.5	69.6	47.0	43.9	41.2	39.9	38.1	36.3	36.3
30°	454.8	373.2	172.9	51.4	42.1	39.0	36.8	33.7	31.5	29.7	29.7
32.5°	449.5	358.2	138.3	43.9	38.1	35.0	31.0	28.4	25.3	23.9	23.9
35°	451.3	348.0	108.6	39.0	34.1	30.1	26.6	23.1	19.9	18.6	18.2
37.5°	454.8	340.4	82.5	35.0	30.6	26.2	22.2	18.2	16.4	14.6	14.6
40°	469.9	338.2	60.7	32.4	27.9	23.1	18.6	15.1	13.3	12.0	11.5
42.5°	495.2	341.3	47.0	29.3	25.3	19.5	15.5	12.4	10.6	9.3	8.9
45°	527.5	353.3	38.6	27.5	22.2	16.4	12.4	10.2	8.0	7.1	7.1
47.5°	574.5	371.9	33.7	25.3	19.5	13.7	10.6	8.0	6.2	5.3	5.3
50°	627.7	393.2	29.7	22.6	16.8	11.5	8.4	6.2	4.4	4.0	4.0
52.5°	680.9	420.2	27.5	20.8	14.6	9.3	6.6	4.4	3.1	2.7	2.7
55°	736.7	444.2	24.8	19.5	12.0	7.5	4.9	2.7	1.8	1.3	1.3
57.5°	775.8	453.5	21.7	16.8	9.3	5.8	3.5	1.8	0.9	0.4	0.4
60°	803.7	454.8	18.6	13.7	7.1	4.4	2.2	0.9	0.4	0.0	0.0
62.5°	827.2	457.5	16.0	10.6	5.3	3.1	1.3	0.4	0.0	0.0	0.0
65°	873.7	455.3	12.9	8.4	3.5	1.8	0.9	0.0	0.0	0.0	0.0
67.5°	910.5	433.1	10.2	5.8	2.2	0.9	0.4	0.0	0.0	0.0	0.0
70°	805.5	330.3	8.0	4.0	1.3	0.4	0.0	0.0	0.0	0.0	0.0
72.5°	632.6	220.3	5.3	2.2	0.9	0.4	0.0	0.0	0.0	0.0	0.0
75°	414.9	109.5	4.0	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	161.4	28.8	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	39.0	9.8	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.8	3.5	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.2	1.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	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)