

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: P676951

Luminaire Tested: **CCW-SA-1B-722-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676951
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-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

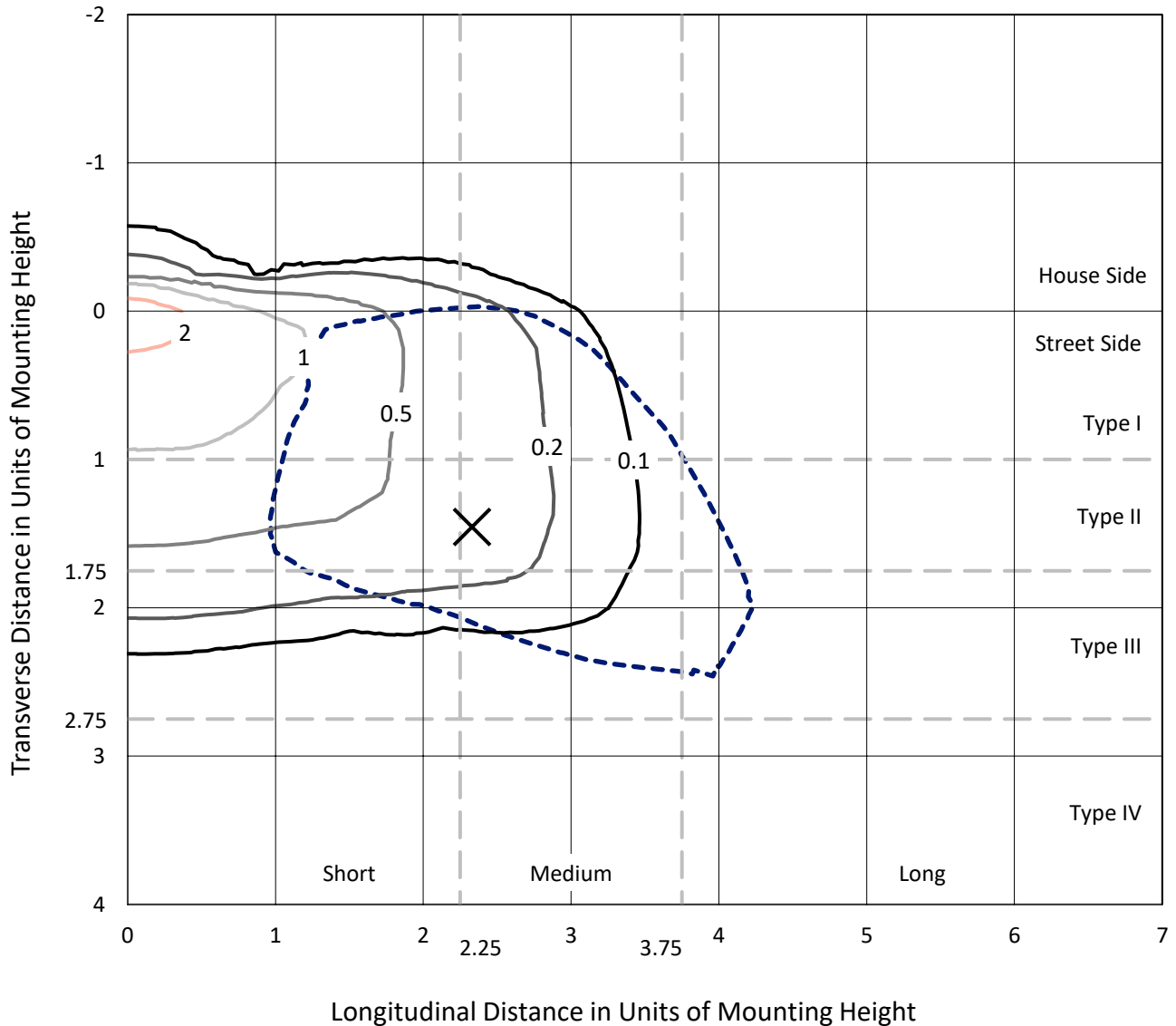
Lumens per Lamp: N/A
Luminaire Lumens: 2102.2 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 24
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

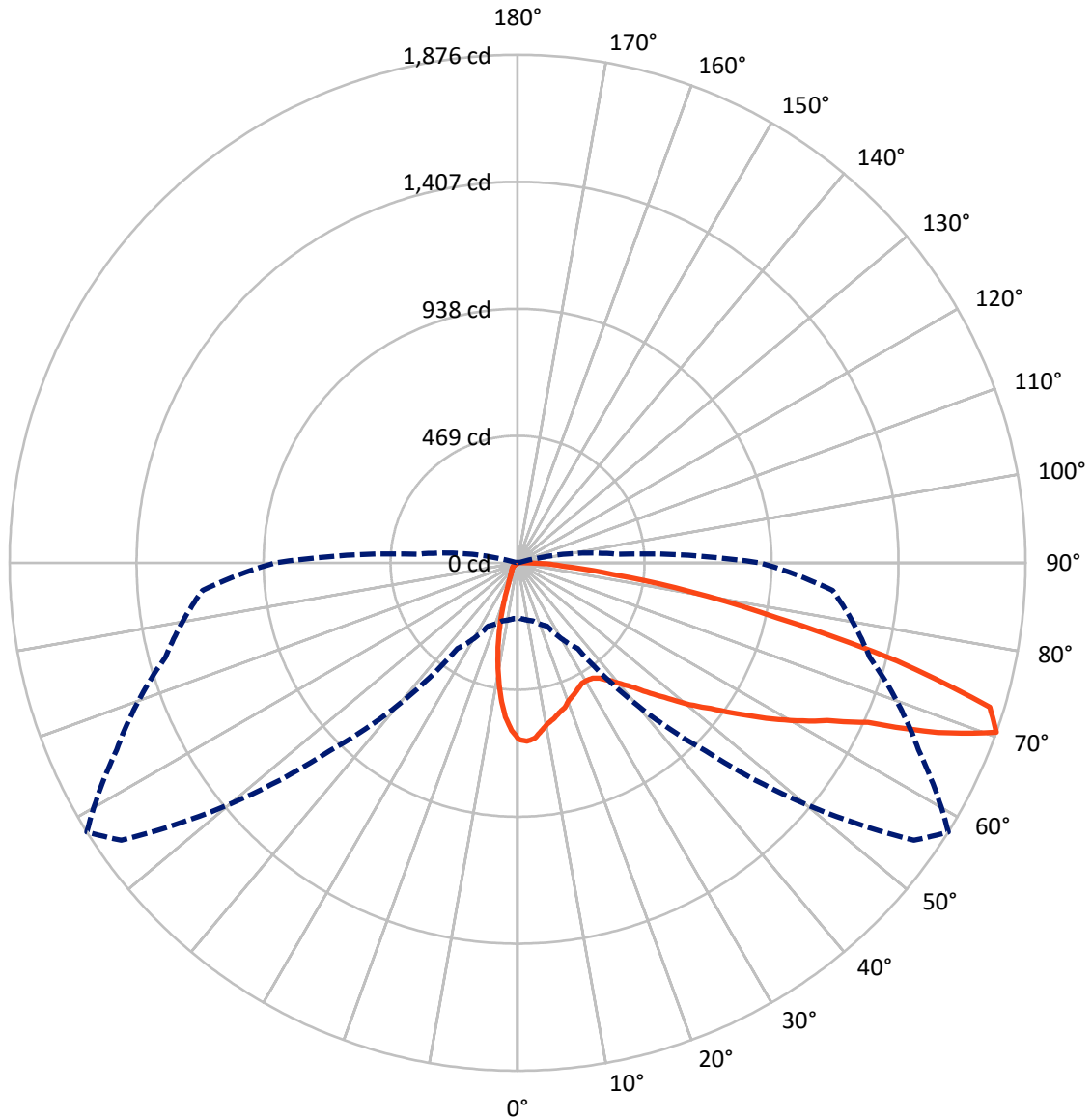
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 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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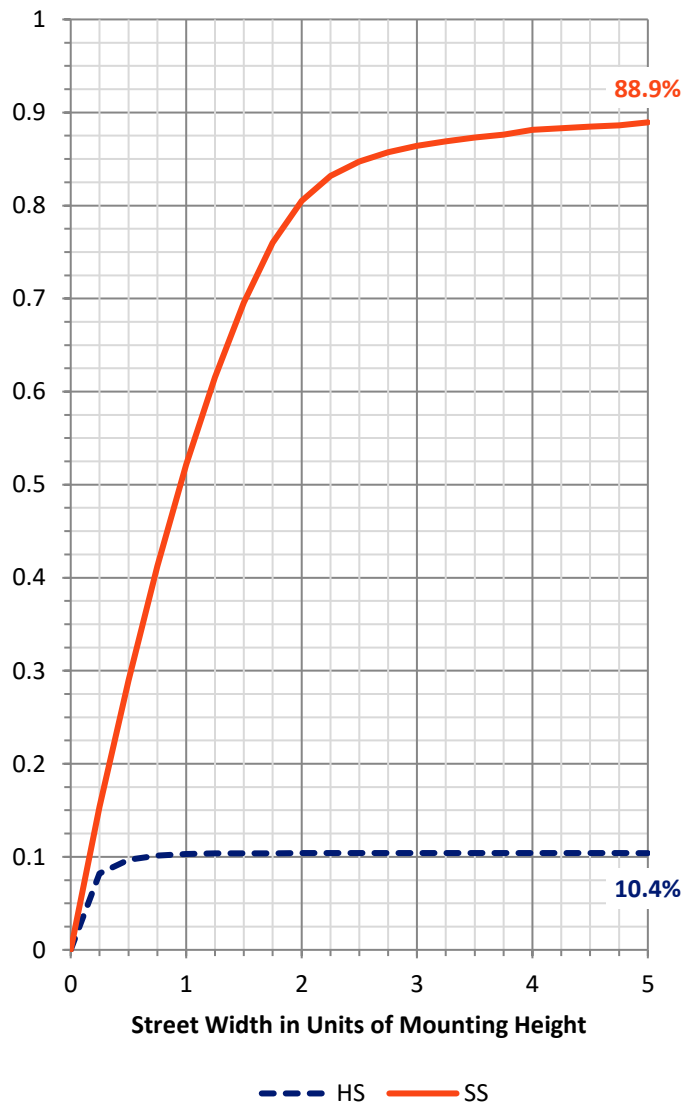
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	220.1	0.0	220.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	1882.0	0.0	1882.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	2102.2	0.0	2102.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	2.5
10°-20°	110.9	5.3
20°-30°	148.4	7.1
30°-40°	200.6	9.5
40°-50°	288.0	13.7
50°-60°	424.4	20.2
60°-70°	517.6	24.6
70°-80°	316.1	15.0
80°-90°	42.9	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°	2102.2	100.0
0°-180°	2102.2	100.0

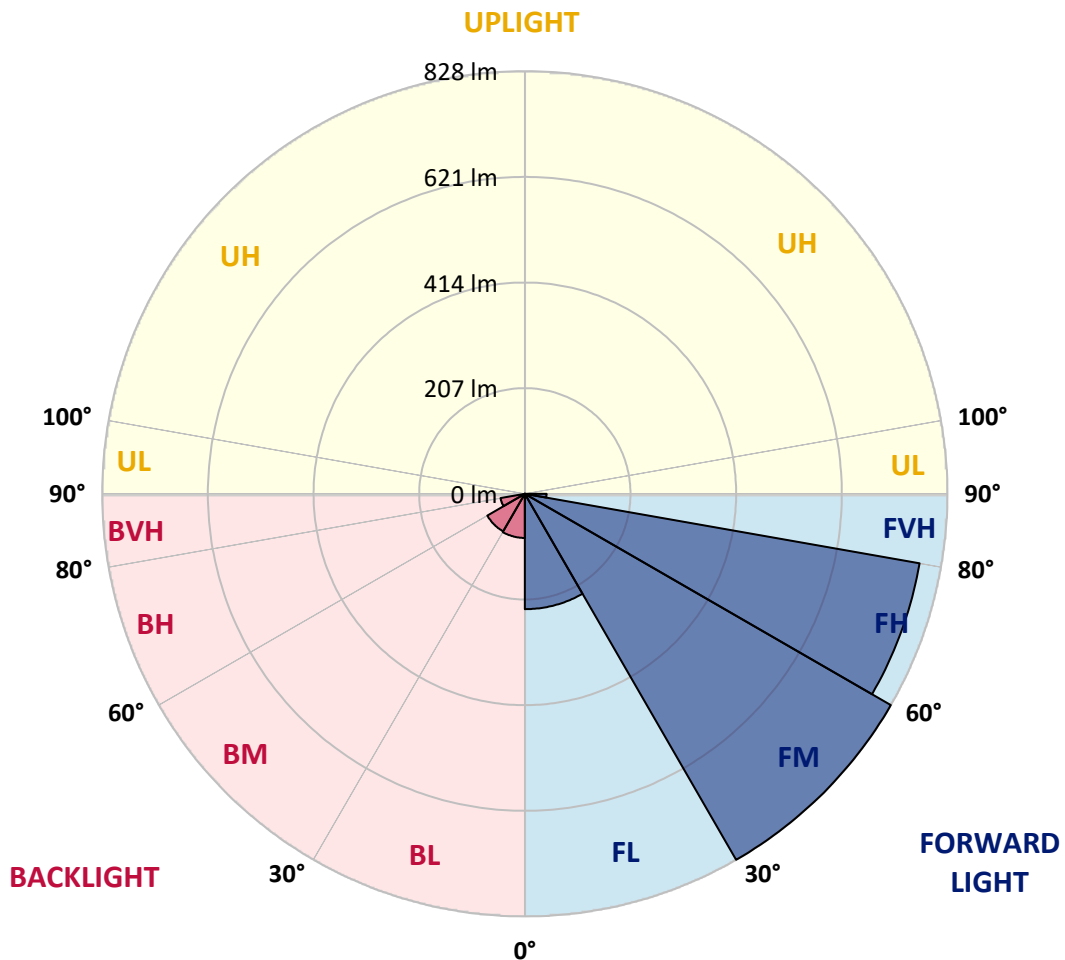


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.0	10.8			
FM (30°-60°)	828.0	39.4			
FH (60°-80°)	785.5	37.4			G1/1800
FVH (80°-90°)	42.5	2.0			G1/100
BL (0°-30°)	86.5	4.1	B0/110		
BM (30°-60°)	85.0	4.0	B0/220		
BH (60°-80°)	48.2	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°	652.6	652.6	652.6	652.6	652.6	652.6	652.6	652.6	652.6	652.6	652.6
2.5°	664.4	666.9	661.0	667.9	661.4	664.4	661.0	660.0	660.5	661.0	657.0
5°	633.4	639.3	641.7	637.8	647.2	645.7	651.6	652.1	649.6	647.2	647.6
7.5°	592.4	598.4	600.8	603.3	612.7	625.0	632.9	627.9	631.9	640.7	627.4
10°	562.9	561.4	560.9	565.8	583.6	593.9	607.2	605.8	615.6	624.0	613.1
12.5°	526.4	523.4	532.3	536.3	552.0	570.3	580.6	591.5	601.3	610.2	597.9
15°	499.3	501.8	505.2	513.6	524.9	549.1	564.3	574.7	592.4	596.9	591.9
17.5°	477.6	479.6	484.5	488.9	503.2	526.4	550.5	562.9	581.6	593.4	578.1
20°	478.1	472.2	472.2	476.6	484.5	512.1	537.7	541.7	567.3	587.5	577.2
22.5°	478.6	476.6	472.2	471.7	475.1	494.9	521.0	529.8	557.4	581.1	568.8
25°	485.5	478.1	478.6	471.7	473.2	483.0	503.7	517.0	548.6	584.6	564.3
27.5°	491.4	494.9	488.0	485.0	476.6	476.1	493.4	504.7	544.1	592.4	567.3
30°	504.7	507.2	507.2	505.2	497.3	486.0	489.9	504.2	535.3	591.0	562.4
32.5°	526.9	522.5	528.4	525.4	515.1	497.3	500.8	508.2	540.7	609.7	570.3
35°	534.3	537.7	545.6	539.2	535.8	525.4	518.5	523.9	548.6	628.4	582.1
37.5°	557.0	552.0	557.4	571.7	575.2	556.5	543.2	551.0	578.1	650.6	592.9
40°	558.9	562.9	572.7	600.8	604.3	596.4	585.5	587.5	607.7	679.2	620.0
42.5°	568.8	573.2	593.4	617.1	635.8	637.3	629.4	629.4	646.7	725.0	650.1
45°	588.0	580.6	606.7	646.7	673.8	679.2	689.5	687.1	700.9	773.3	706.3
47.5°	595.4	597.9	626.5	674.8	705.8	730.9	748.2	748.7	755.6	834.9	779.2
50°	619.6	619.1	653.6	698.4	744.3	790.1	823.6	823.6	823.1	895.1	841.8
52.5°	651.6	650.6	677.2	730.4	790.1	847.8	892.1	893.6	904.9	969.0	913.8
55°	703.8	699.4	725.0	764.5	835.9	905.9	982.8	983.3	974.4	1021.7	965.6
57.5°	747.7	747.2	768.4	806.4	887.2	980.8	1070.0	1083.4	1055.3	1076.0	1007.0
60°	736.4	742.8	786.6	842.8	941.4	1074.5	1164.2	1184.9	1140.0	1112.9	1038.0
62.5°	665.9	680.7	728.5	818.2	987.2	1210.5	1293.8	1284.4	1184.4	1144.5	1076.0
65°	479.1	493.9	553.0	687.6	934.0	1306.6	1464.3	1422.0	1263.3	1191.3	1126.7
67.5°	281.9	287.8	324.8	438.7	698.4	1254.4	1671.4	1674.8	1418.5	1263.3	1214.5
70°	203.6	208.0	222.3	258.8	386.9	983.3	1786.7	1876.4	1633.9	1346.1	1168.1
72.5°	156.2	156.2	180.4	215.4	246.4	589.0	1644.3	1824.2	1680.7	1266.7	941.4
75°	112.4	115.3	141.5	185.3	227.2	295.7	1211.5	1447.6	1424.4	1026.7	657.5
77.5°	64.6	66.0	99.6	155.3	213.4	203.1	748.7	981.3	1008.9	642.7	284.9
80°	33.0	34.0	55.7	122.7	193.2	176.9	446.6	646.2	548.1	186.8	66.0
82.5°	16.3	16.3	25.1	78.4	164.1	156.7	262.7	356.8	194.2	42.9	27.6
85°	5.4	5.9	11.3	44.4	118.8	94.6	160.7	169.6	65.1	16.3	15.3
87.5°	1.5	2.0	3.0	16.3	51.8	62.1	95.6	108.4	26.6	6.4	7.4
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°	652.6	652.6	652.6	652.6	652.6	652.6	652.6	652.6	652.6	652.6	652.6
2.5°	642.2	638.8	634.8	625.0	617.1	606.7	599.8	594.4	584.1	586.0	581.6
5°	635.8	629.4	606.7	585.0	565.3	535.3	514.6	501.3	490.4	479.6	487.5
7.5°	624.5	609.2	573.7	533.3	491.4	452.0	412.5	388.9	371.6	355.9	355.4
10°	605.3	580.6	524.9	472.2	407.6	355.9	305.6	266.2	240.5	221.8	221.3
12.5°	583.6	557.9	488.0	402.2	327.8	254.8	194.7	152.8	128.6	113.9	111.9
15°	569.8	532.3	441.6	340.1	247.9	166.1	107.9	81.8	72.5	69.0	69.0
17.5°	552.0	509.1	395.8	275.5	172.0	96.1	70.0	63.1	62.6	61.6	60.6
20°	544.6	491.4	354.9	219.8	108.9	68.0	60.1	58.7	58.7	57.7	56.7
22.5°	524.9	465.8	311.5	161.2	72.5	59.6	56.7	54.7	53.7	52.7	53.7
25°	516.0	447.5	270.6	111.4	59.1	53.2	51.8	49.8	48.3	47.8	47.8
27.5°	510.1	429.3	230.7	77.4	52.2	48.8	45.8	44.4	42.4	40.4	40.4
30°	505.7	415.0	192.2	57.2	46.8	43.4	40.9	37.5	35.0	33.0	33.0
32.5°	499.8	398.2	153.8	48.8	42.4	38.9	34.5	31.5	28.1	26.6	26.6
35°	501.8	386.9	120.8	43.4	38.0	33.5	29.6	25.6	22.2	20.7	20.2
37.5°	505.7	378.5	91.7	38.9	34.0	29.1	24.6	20.2	18.2	16.3	16.3
40°	522.5	376.1	67.5	36.0	31.1	25.6	20.7	16.8	14.8	13.3	12.8
42.5°	550.5	379.5	52.2	32.5	28.1	21.7	17.3	13.8	11.8	10.4	9.9
45°	586.5	392.8	42.9	30.6	24.6	18.2	13.8	11.3	8.9	7.9	7.9
47.5°	638.8	413.5	37.5	28.1	21.7	15.3	11.8	8.9	6.9	5.9	5.9
50°	697.9	437.2	33.0	25.1	18.7	12.8	9.4	6.9	4.9	4.4	4.4
52.5°	757.1	467.3	30.6	23.2	16.3	10.4	7.4	4.9	3.5	3.0	3.0
55°	819.2	493.9	27.6	21.7	13.3	8.4	5.4	3.0	2.0	1.5	1.5
57.5°	862.5	504.2	24.2	18.7	10.4	6.4	3.9	2.0	1.0	0.5	0.5
60°	893.6	505.7	20.7	15.3	7.9	4.9	2.5	1.0	0.5	0.0	0.0
62.5°	919.7	508.7	17.7	11.8	5.9	3.5	1.5	0.5	0.0	0.0	0.0
65°	971.5	506.2	14.3	9.4	3.9	2.0	1.0	0.0	0.0	0.0	0.0
67.5°	1012.4	481.5	11.3	6.4	2.5	1.0	0.5	0.0	0.0	0.0	0.0
70°	895.6	367.2	8.9	4.4	1.5	0.5	0.0	0.0	0.0	0.0	0.0
72.5°	703.3	245.0	5.9	2.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
75°	461.3	121.7	4.4	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	179.4	32.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	43.4	10.8	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.7	3.9	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.3	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	1.0	0.5	0.5	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)