

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: P677028

Luminaire Tested: **CCW-SA-1B-827-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677028
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-827-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) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

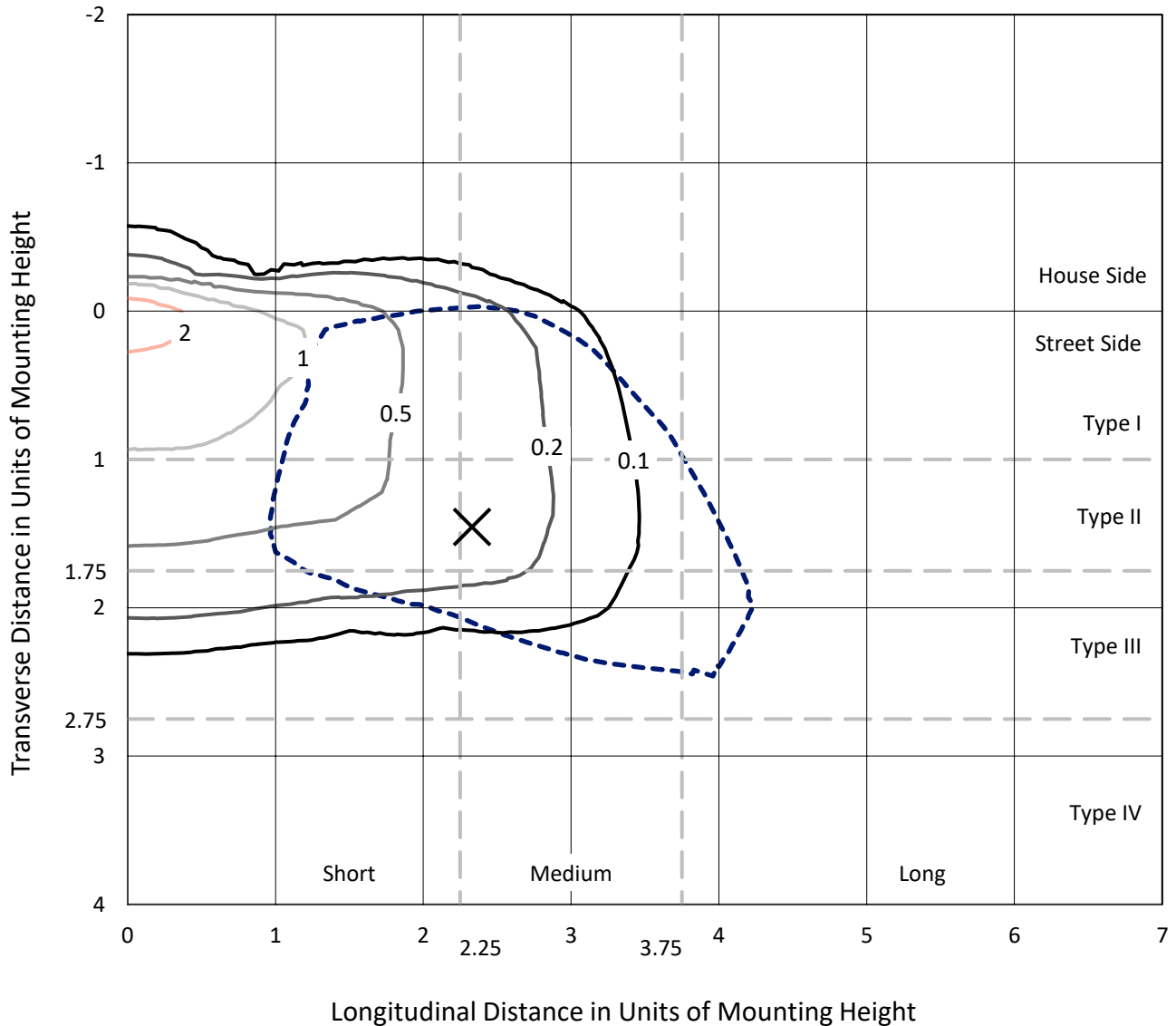
Lumens per Lamp: N/A
Luminaire Lumens: 2097.9 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 24
Input Voltage (V): 120
Input Current (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

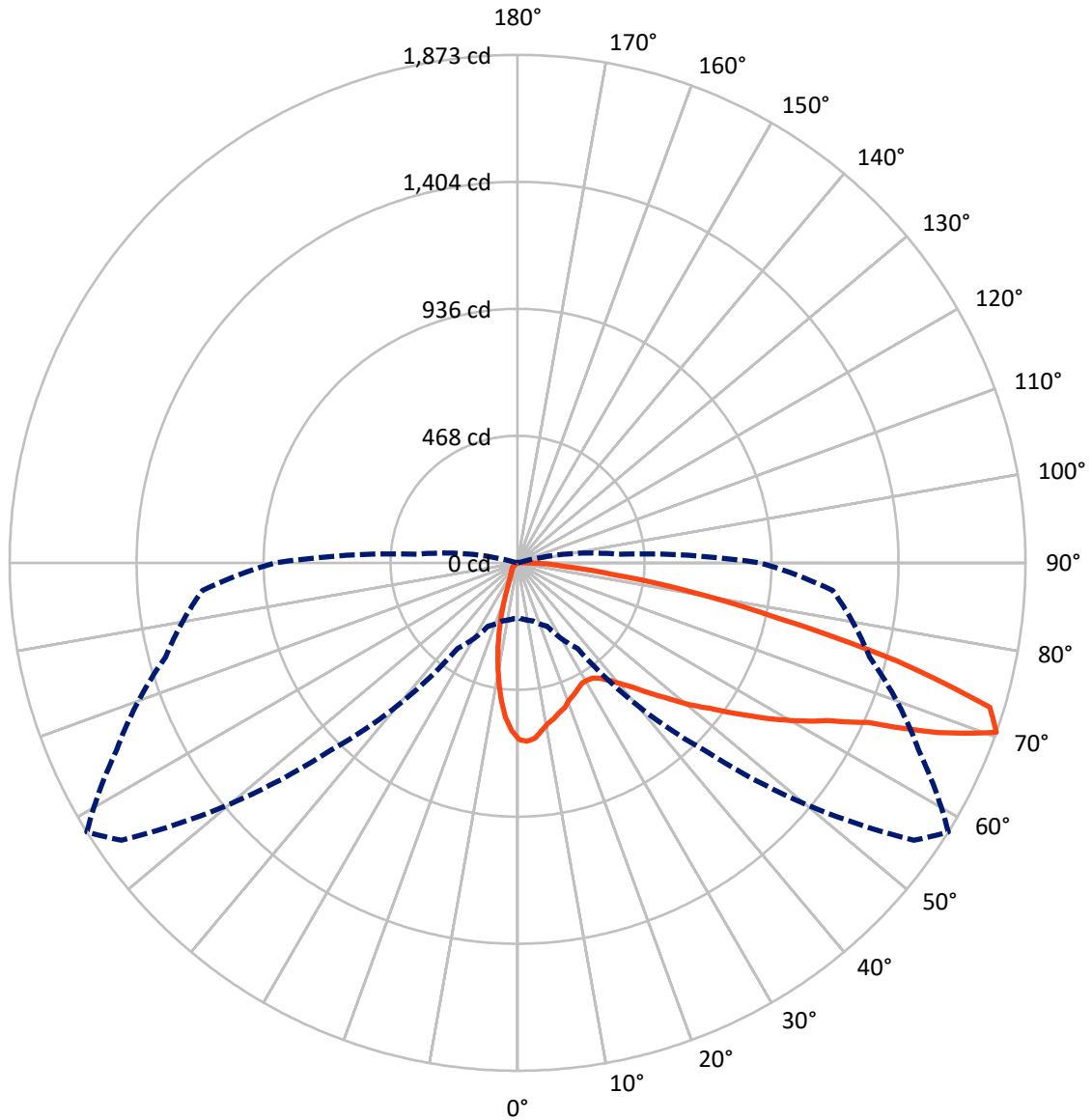
× Max cd
 - - - 1/2 Max cd



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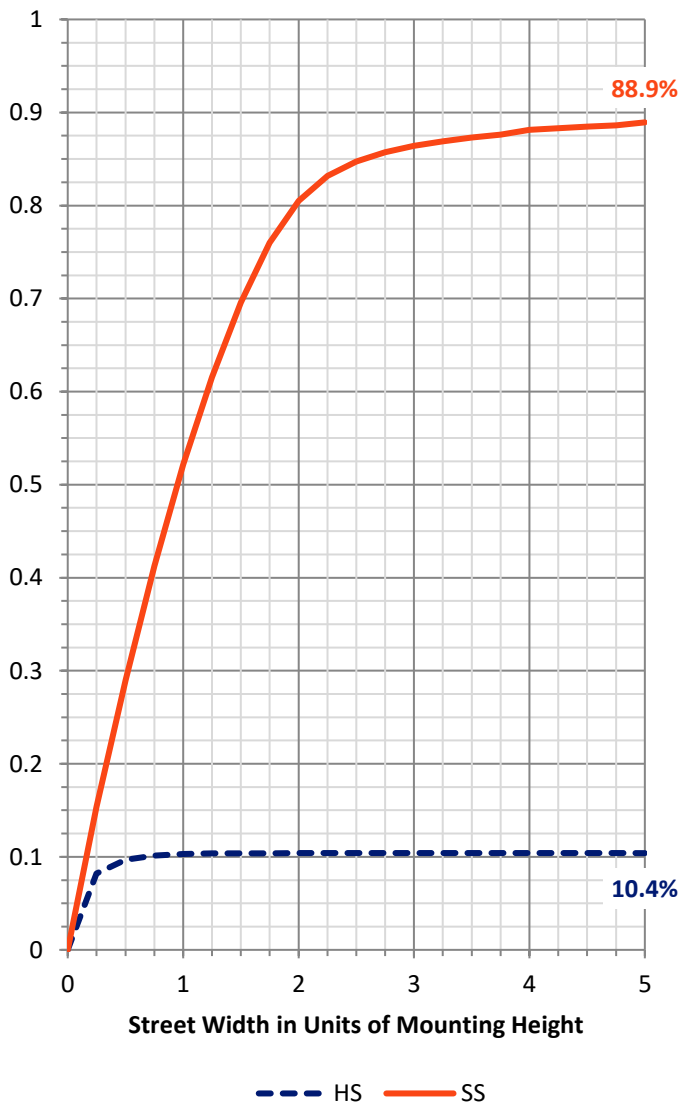
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	219.7	0.0	219.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	1878.2	0.0	1878.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	2097.9	0.0	2097.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	2.5
10°-20°	110.6	5.3
20°-30°	148.1	7.1
30°-40°	200.2	9.5
40°-50°	287.4	13.7
50°-60°	423.5	20.2
60°-70°	516.6	24.6
70°-80°	315.4	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°	2097.9	100.0
0°-180°	2097.9	100.0

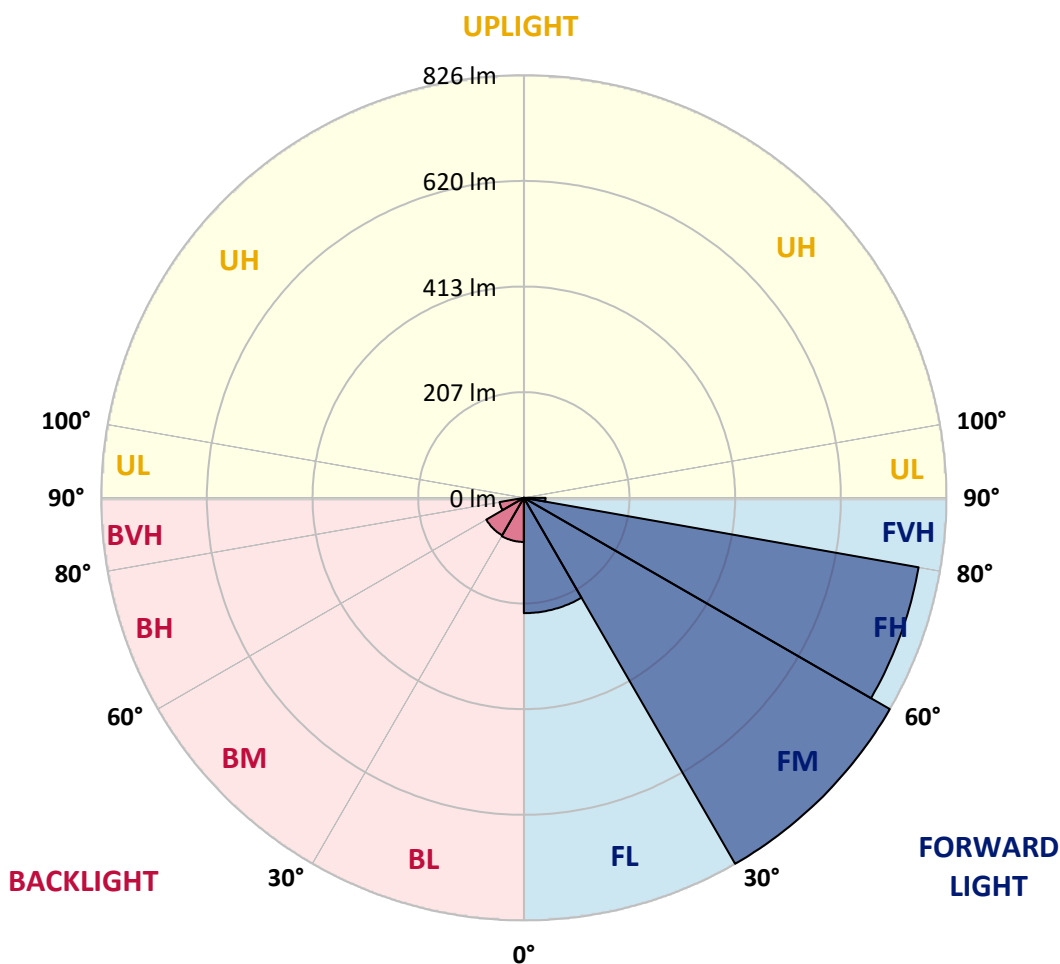


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.6	10.8			
FM (30°-60°)	826.3	39.4			
FH (60°-80°)	783.9	37.4			G1/1800
FVH (80°-90°)	42.4	2.0			G1/100
BL (0°-30°)	86.3	4.1	B0/110		
BM (30°-60°)	84.8	4.0	B0/220		
BH (60°-80°)	48.1	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°	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2
2.5°	663.1	665.5	659.6	666.5	660.1	663.1	659.6	658.6	659.1	659.6	655.7
5°	632.1	638.0	640.4	636.5	645.8	644.4	650.3	650.8	648.3	645.8	646.3
7.5°	591.2	597.1	599.6	602.1	611.4	623.7	631.6	626.7	630.6	639.4	626.2
10°	561.7	560.2	559.8	564.7	582.4	592.7	606.0	604.5	614.4	622.7	611.9
12.5°	525.3	522.4	531.2	535.2	550.9	569.1	579.4	590.3	600.1	608.9	596.6
15°	498.3	500.7	504.2	512.5	523.8	548.0	563.2	573.5	591.2	595.7	590.7
17.5°	476.6	478.6	483.5	487.9	502.2	525.3	549.4	561.7	580.4	592.2	577.0
20°	477.1	471.2	471.2	475.6	483.5	511.1	536.6	540.6	566.2	586.3	576.0
22.5°	477.6	475.6	471.2	470.7	474.2	493.8	519.9	528.8	556.3	579.9	567.6
25°	484.5	477.1	477.6	470.7	472.2	482.0	502.7	516.0	547.5	583.4	563.2
27.5°	490.4	493.8	487.0	484.0	475.6	475.2	492.4	503.7	543.0	591.2	566.2
30°	503.7	506.1	506.1	504.2	496.3	485.0	488.9	503.2	534.2	589.8	561.2
32.5°	525.8	521.4	527.3	524.3	514.0	496.3	499.7	507.1	539.6	608.5	569.1
35°	533.2	536.6	544.5	538.1	534.7	524.3	517.5	522.9	547.5	627.1	580.9
37.5°	555.8	550.9	556.3	570.6	574.0	555.3	542.0	549.9	577.0	649.3	591.7
40°	557.8	561.7	571.6	599.6	603.0	595.2	584.4	586.3	606.5	677.8	618.8
42.5°	567.6	572.1	592.2	615.8	634.5	636.0	628.1	628.1	645.3	723.6	648.8
45°	586.8	579.4	605.5	645.3	672.4	677.8	688.1	685.7	699.4	771.8	704.9
47.5°	594.2	596.6	625.2	673.4	704.4	729.5	746.7	747.2	754.0	833.2	777.7
50°	618.3	617.8	652.2	697.0	742.7	788.5	821.9	821.9	821.4	893.2	840.1
52.5°	650.3	649.3	675.8	729.0	788.5	846.0	890.3	891.8	903.1	967.0	911.9
55°	702.4	698.0	723.6	762.9	834.2	904.1	980.8	981.3	972.4	1019.7	963.6
57.5°	746.2	745.7	766.8	804.7	885.4	978.8	1067.9	1081.1	1053.1	1073.8	1004.9
60°	734.9	741.3	785.0	841.1	939.5	1072.3	1161.8	1182.5	1137.7	1110.7	1035.9
62.5°	664.5	679.3	727.0	816.5	985.2	1208.1	1291.2	1281.8	1182.0	1142.1	1073.8
65°	478.1	492.9	551.9	686.2	932.1	1304.0	1461.4	1419.1	1260.7	1188.9	1124.4
67.5°	281.4	287.3	324.1	437.8	697.0	1251.8	1668.0	1671.4	1415.6	1260.7	1212.0
70°	203.1	207.6	221.8	258.2	386.1	981.3	1783.1	1872.6	1630.6	1343.3	1165.7
72.5°	155.9	155.9	180.0	215.0	245.9	587.8	1640.9	1820.4	1677.3	1264.1	939.5
75°	112.1	115.1	141.2	184.9	226.8	295.1	1209.0	1444.6	1421.5	1024.6	656.2
77.5°	64.4	65.9	99.4	154.9	213.0	202.7	747.2	979.3	1006.9	641.4	284.3
80°	33.0	33.9	55.6	122.5	192.8	176.6	445.6	644.9	547.0	186.4	65.9
82.5°	16.2	16.2	25.1	78.2	163.8	156.4	262.2	356.1	193.8	42.8	27.5
85°	5.4	5.9	11.3	44.3	118.5	94.4	160.4	169.2	64.9	16.2	15.2
87.5°	1.5	2.0	3.0	16.2	51.6	62.0	95.4	108.2	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°	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2
2.5°	640.9	637.5	633.5	623.7	615.8	605.5	598.6	593.2	582.9	584.8	580.4
5°	634.5	628.1	605.5	583.9	564.2	534.2	513.5	500.2	489.4	478.6	486.5
7.5°	623.2	608.0	572.5	532.2	490.4	451.1	411.7	388.1	370.9	355.1	354.6
10°	604.0	579.4	523.8	471.2	406.8	355.1	305.0	265.6	240.0	221.3	220.9
12.5°	582.4	556.8	487.0	401.4	327.1	254.3	194.3	152.5	128.4	113.6	111.7
15°	568.6	531.2	440.7	339.4	247.4	165.8	107.7	81.7	72.3	68.9	68.9
17.5°	550.9	508.1	395.0	275.0	171.7	95.9	69.8	63.0	62.5	61.5	60.5
20°	543.5	490.4	354.2	219.4	108.7	67.9	60.0	58.5	58.5	57.5	56.6
22.5°	523.8	464.8	310.9	160.8	72.3	59.5	56.6	54.6	53.6	52.6	53.6
25°	515.0	446.6	270.0	111.2	59.0	53.1	51.6	49.7	48.2	47.7	47.7
27.5°	509.1	428.4	230.2	77.2	52.1	48.7	45.7	44.3	42.3	40.3	40.3
30°	504.7	414.2	191.8	57.1	46.7	43.3	40.8	37.4	34.9	33.0	33.0
32.5°	498.8	397.4	153.5	48.7	42.3	38.9	34.4	31.5	28.0	26.6	26.6
35°	500.7	386.1	120.5	43.3	37.9	33.4	29.5	25.6	22.1	20.7	20.2
37.5°	504.7	377.8	91.5	38.9	33.9	29.0	24.6	20.2	18.2	16.2	16.2
40°	521.4	375.3	67.4	35.9	31.0	25.6	20.7	16.7	14.8	13.3	12.8
42.5°	549.4	378.7	52.1	32.5	28.0	21.6	17.2	13.8	11.8	10.3	9.8
45°	585.3	392.0	42.8	30.5	24.6	18.2	13.8	11.3	8.9	7.9	7.9
47.5°	637.5	412.7	37.4	28.0	21.6	15.2	11.8	8.9	6.9	5.9	5.9
50°	696.5	436.3	33.0	25.1	18.7	12.8	9.3	6.9	4.9	4.4	4.4
52.5°	755.5	466.3	30.5	23.1	16.2	10.3	7.4	4.9	3.4	3.0	3.0
55°	817.5	492.9	27.5	21.6	13.3	8.4	5.4	3.0	2.0	1.5	1.5
57.5°	860.8	503.2	24.1	18.7	10.3	6.4	3.9	2.0	1.0	0.5	0.5
60°	891.8	504.7	20.7	15.2	7.9	4.9	2.5	1.0	0.5	0.0	0.0
62.5°	917.8	507.6	17.7	11.8	5.9	3.4	1.5	0.5	0.0	0.0	0.0
65°	969.5	505.2	14.3	9.3	3.9	2.0	1.0	0.0	0.0	0.0	0.0
67.5°	1010.3	480.6	11.3	6.4	2.5	1.0	0.5	0.0	0.0	0.0	0.0
70°	893.7	366.4	8.9	4.4	1.5	0.5	0.0	0.0	0.0	0.0	0.0
72.5°	701.9	244.5	5.9	2.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
75°	460.4	121.5	4.4	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	179.0	32.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	43.3	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)