

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: P677061

Luminaire Tested: **CCW-SA-1B-840-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677061
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-840-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) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

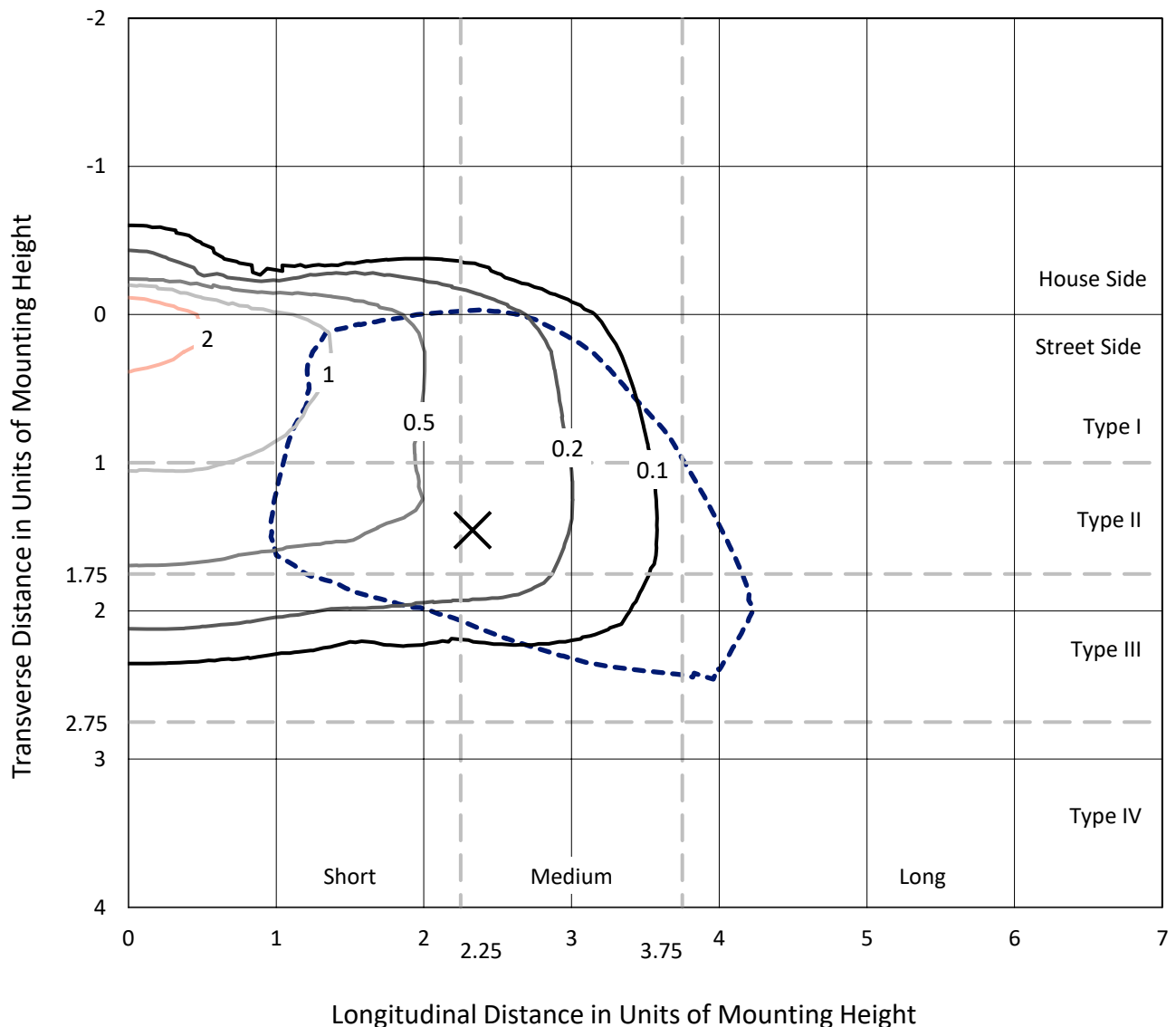
Lumens per Lamp: N/A
Luminaire Lumens: 2433.2 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

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

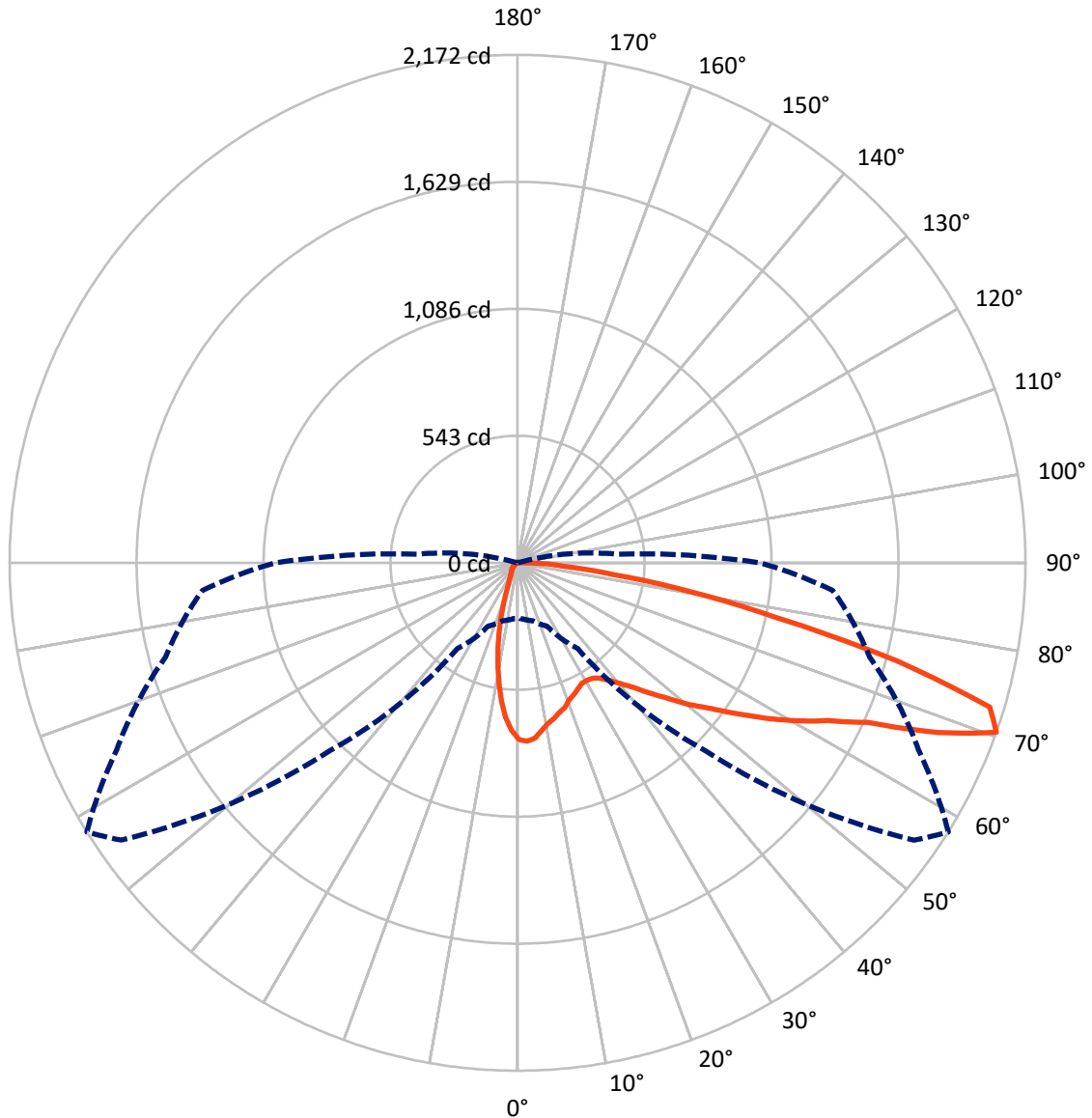
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 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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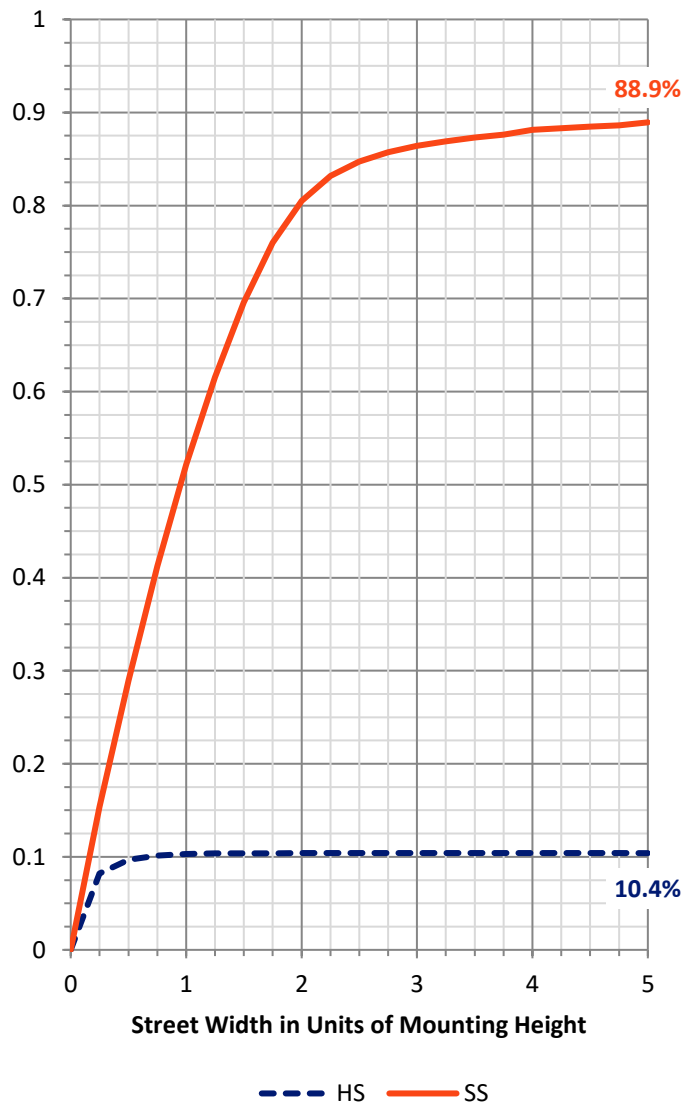
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	254.8	0.0	254.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2178.4	0.0	2178.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	2433.2	0.0	2433.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	2.5
10°-20°	128.3	5.3
20°-30°	171.8	7.1
30°-40°	232.2	9.5
40°-50°	333.3	13.7
50°-60°	491.2	20.2
60°-70°	599.1	24.6
70°-80°	365.9	15.0
80°-90°	49.7	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°	2433.2	100.0
0°-180°	2433.2	100.0

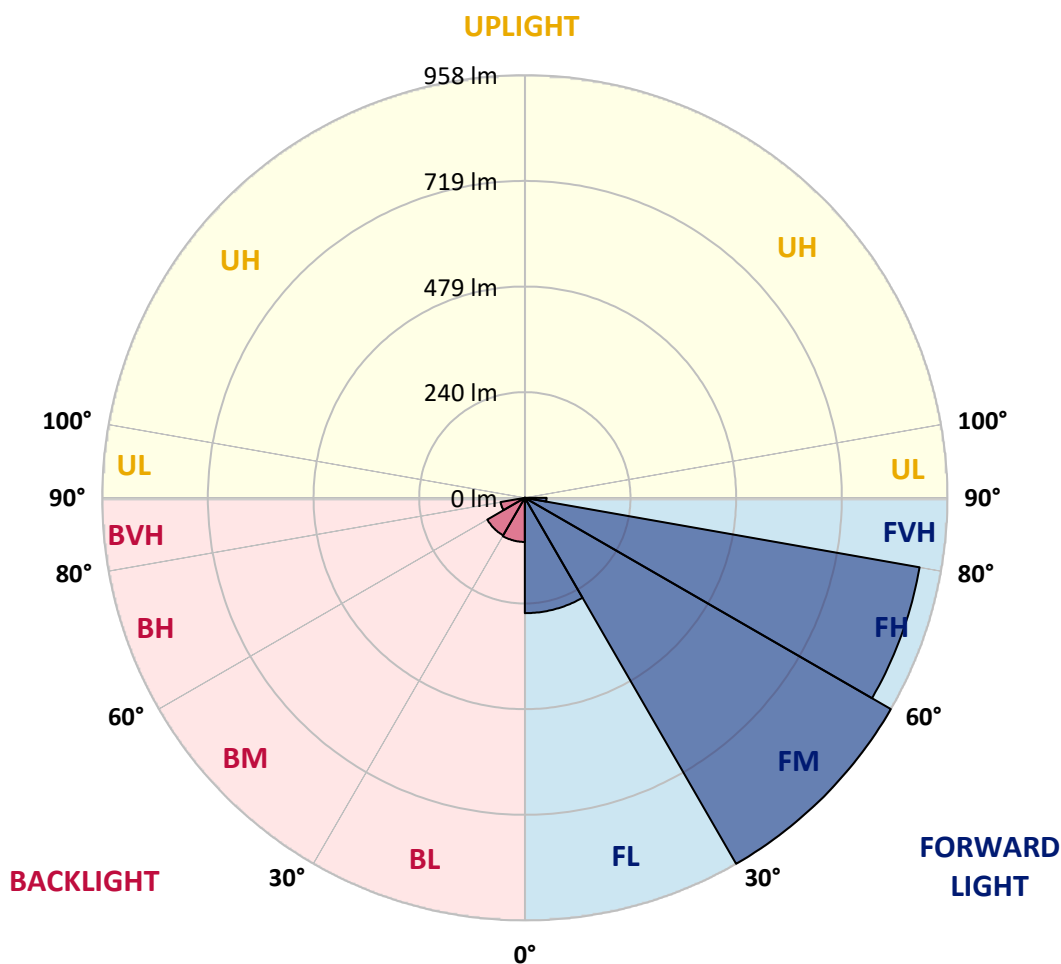


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.6	10.8			
FM (30°-60°)	958.4	39.4			
FH (60°-80°)	909.2	37.4			G1/1800
FVH (80°-90°)	49.2	2.0			G1/100
BL (0°-30°)	100.1	4.1	B0/110		
BM (30°-60°)	98.3	4.0	B0/220		
BH (60°-80°)	55.8	2.3	B0/110		G0/110
BVH (80°-90°)	0.5	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°	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3
2.5°	769.0	771.9	765.0	773.0	765.6	769.0	765.0	763.9	764.5	765.0	760.5
5°	733.1	739.9	742.8	738.2	749.1	747.4	754.2	754.8	751.9	749.1	749.6
7.5°	685.7	692.6	695.4	698.3	709.1	723.4	732.5	726.8	731.4	741.6	726.2
10°	651.5	649.8	649.2	654.9	675.5	687.5	702.9	701.1	712.6	722.3	709.7
12.5°	609.3	605.9	616.1	620.7	639.0	660.1	672.0	684.6	696.0	706.3	692.0
15°	577.9	580.8	584.8	594.5	607.6	635.5	653.2	665.2	685.7	690.9	685.2
17.5°	552.8	555.1	560.8	565.9	582.5	609.3	637.2	651.5	673.2	686.9	669.2
20°	553.4	546.5	546.5	551.7	560.8	592.7	622.4	627.0	656.6	680.0	668.1
22.5°	554.0	551.7	546.5	546.0	550.0	572.8	603.0	613.3	645.2	672.6	658.4
25°	561.9	553.4	554.0	546.0	547.7	559.1	583.1	598.5	635.0	676.6	653.2
27.5°	568.8	572.8	564.8	561.4	551.7	551.1	571.1	584.2	629.8	685.7	656.6
30°	584.2	587.0	587.0	584.8	575.6	562.5	567.1	583.6	619.6	684.0	650.9
32.5°	609.9	604.7	611.6	608.2	596.2	575.6	579.6	588.2	625.8	705.7	660.1
35°	618.4	622.4	631.5	624.1	620.1	608.2	600.2	606.4	635.0	727.4	673.8
37.5°	644.7	639.0	645.2	661.8	665.8	644.1	628.7	637.8	669.2	753.1	686.3
40°	646.9	651.5	662.9	695.4	699.4	690.3	677.8	680.0	703.4	786.1	717.7
42.5°	658.4	663.5	686.9	714.3	735.9	737.7	728.5	728.5	748.5	839.2	752.5
45°	680.6	672.0	702.3	748.5	779.9	786.1	798.1	795.3	811.3	895.1	817.5
47.5°	689.2	692.0	725.1	781.0	817.0	846.1	866.0	866.6	874.6	966.4	902.0
50°	717.1	716.5	756.5	808.4	861.5	914.5	953.3	953.3	952.7	1036.0	974.4
52.5°	754.2	753.1	783.9	845.5	914.5	981.3	1032.6	1034.3	1047.4	1121.6	1057.7
55°	814.7	809.5	839.2	884.8	967.6	1048.6	1137.6	1138.1	1127.9	1182.6	1117.6
57.5°	865.4	864.9	889.4	933.3	1026.9	1135.3	1238.6	1254.0	1221.4	1245.4	1165.5
60°	852.3	859.7	910.5	975.6	1089.7	1243.7	1347.5	1371.5	1319.6	1288.2	1201.5
62.5°	770.7	787.9	843.2	947.0	1142.7	1401.1	1497.6	1486.7	1370.9	1324.7	1245.4
65°	554.5	571.6	640.1	795.8	1081.1	1512.4	1695.0	1645.9	1462.2	1378.9	1304.2
67.5°	326.3	333.2	376.0	507.7	808.4	1451.9	1934.6	1938.6	1641.9	1462.2	1405.7
70°	235.6	240.8	257.3	299.5	447.8	1138.1	2068.1	2171.9	1891.2	1558.0	1352.1
72.5°	180.8	180.8	208.8	249.3	285.2	681.7	1903.2	2111.4	1945.4	1466.2	1089.7
75°	130.1	133.5	163.7	214.5	263.0	342.3	1402.3	1675.6	1648.7	1188.4	761.0
77.5°	74.7	76.4	115.2	179.7	247.0	235.0	866.6	1135.9	1167.8	743.9	329.7
80°	38.2	39.4	64.5	142.1	223.6	204.8	516.9	747.9	634.4	216.2	76.4
82.5°	18.8	18.8	29.1	90.7	190.0	181.4	304.1	413.0	224.8	49.6	31.9
85°	6.3	6.8	13.1	51.3	137.5	109.5	186.0	196.3	75.3	18.8	17.7
87.5°	1.7	2.3	3.4	18.8	59.9	71.9	110.7	125.5	30.8	7.4	8.6
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°	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3
2.5°	743.4	739.4	734.8	723.4	714.3	702.3	694.3	688.0	676.0	678.3	673.2
5°	735.9	728.5	702.3	677.2	654.4	619.6	595.6	580.2	567.6	555.1	564.2
7.5°	722.8	705.1	664.1	617.3	568.8	523.1	477.5	450.1	430.2	411.9	411.3
10°	700.6	672.0	607.6	546.5	471.8	411.9	353.7	308.1	278.4	256.7	256.2
12.5°	675.5	645.8	564.8	465.5	379.4	294.9	225.3	176.9	148.9	131.8	129.5
15°	659.5	616.1	511.2	393.6	287.0	192.3	124.9	94.7	83.9	79.9	79.9
17.5°	639.0	589.3	458.1	318.9	199.1	111.2	81.0	73.0	72.5	71.3	70.2
20°	630.4	568.8	410.8	254.4	126.1	78.7	69.6	67.9	67.9	66.7	65.6
22.5°	607.6	539.1	360.6	186.6	83.9	69.0	65.6	63.3	62.2	61.0	62.2
25°	597.3	518.0	313.2	128.9	68.5	61.6	59.9	57.6	55.9	55.3	55.3
27.5°	590.5	496.9	267.0	89.6	60.5	56.5	53.1	51.3	49.1	46.8	46.8
30°	585.3	480.4	222.5	66.2	54.2	50.2	47.4	43.4	40.5	38.2	38.2
32.5°	578.5	461.0	178.0	56.5	49.1	45.1	39.9	36.5	32.5	30.8	30.8
35°	580.8	447.8	139.8	50.2	43.9	38.8	34.2	29.7	25.7	24.0	23.4
37.5°	585.3	438.1	106.1	45.1	39.4	33.7	28.5	23.4	21.1	18.8	18.8
40°	604.7	435.3	78.2	41.6	35.9	29.7	24.0	19.4	17.1	15.4	14.8
42.5°	637.2	439.3	60.5	37.7	32.5	25.1	20.0	16.0	13.7	12.0	11.4
45°	678.9	454.7	49.6	35.4	28.5	21.1	16.0	13.1	10.3	9.1	9.1
47.5°	739.4	478.6	43.4	32.5	25.1	17.7	13.7	10.3	8.0	6.8	6.8
50°	807.8	506.0	38.2	29.1	21.7	14.8	10.8	8.0	5.7	5.1	5.1
52.5°	876.3	540.8	35.4	26.8	18.8	12.0	8.6	5.7	4.0	3.4	3.4
55°	948.2	571.6	31.9	25.1	15.4	9.7	6.3	3.4	2.3	1.7	1.7
57.5°	998.4	583.6	28.0	21.7	12.0	7.4	4.6	2.3	1.1	0.6	0.6
60°	1034.3	585.3	24.0	17.7	9.1	5.7	2.9	1.1	0.6	0.0	0.0
62.5°	1064.6	588.8	20.5	13.7	6.8	4.0	1.7	0.6	0.0	0.0	0.0
65°	1124.5	585.9	16.5	10.8	4.6	2.3	1.1	0.0	0.0	0.0	0.0
67.5°	1171.8	557.4	13.1	7.4	2.9	1.1	0.6	0.0	0.0	0.0	0.0
70°	1036.6	425.0	10.3	5.1	1.7	0.6	0.0	0.0	0.0	0.0	0.0
72.5°	814.1	283.5	6.8	2.9	1.1	0.6	0.0	0.0	0.0	0.0	0.0
75°	534.0	140.9	5.1	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	207.7	37.1	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	50.2	12.6	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	21.7	4.6	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.1	2.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.8	1.1	0.6	0.6	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)