

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: P676973

Luminaire Tested: **CCW-SA-1B-730-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676973
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-730-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) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

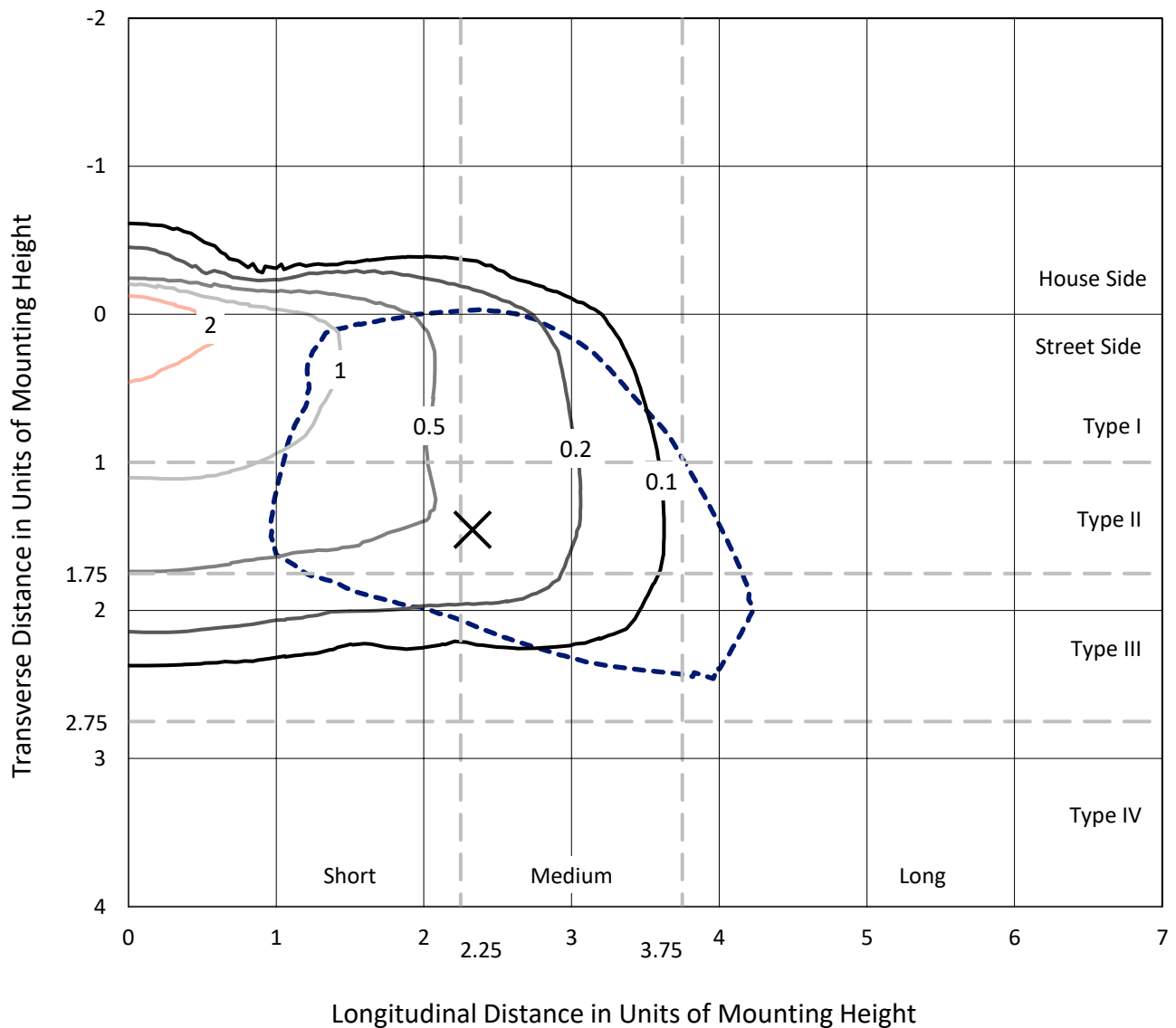
Lumens per Lamp: N/A
Luminaire Lumens: 2598.7 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

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

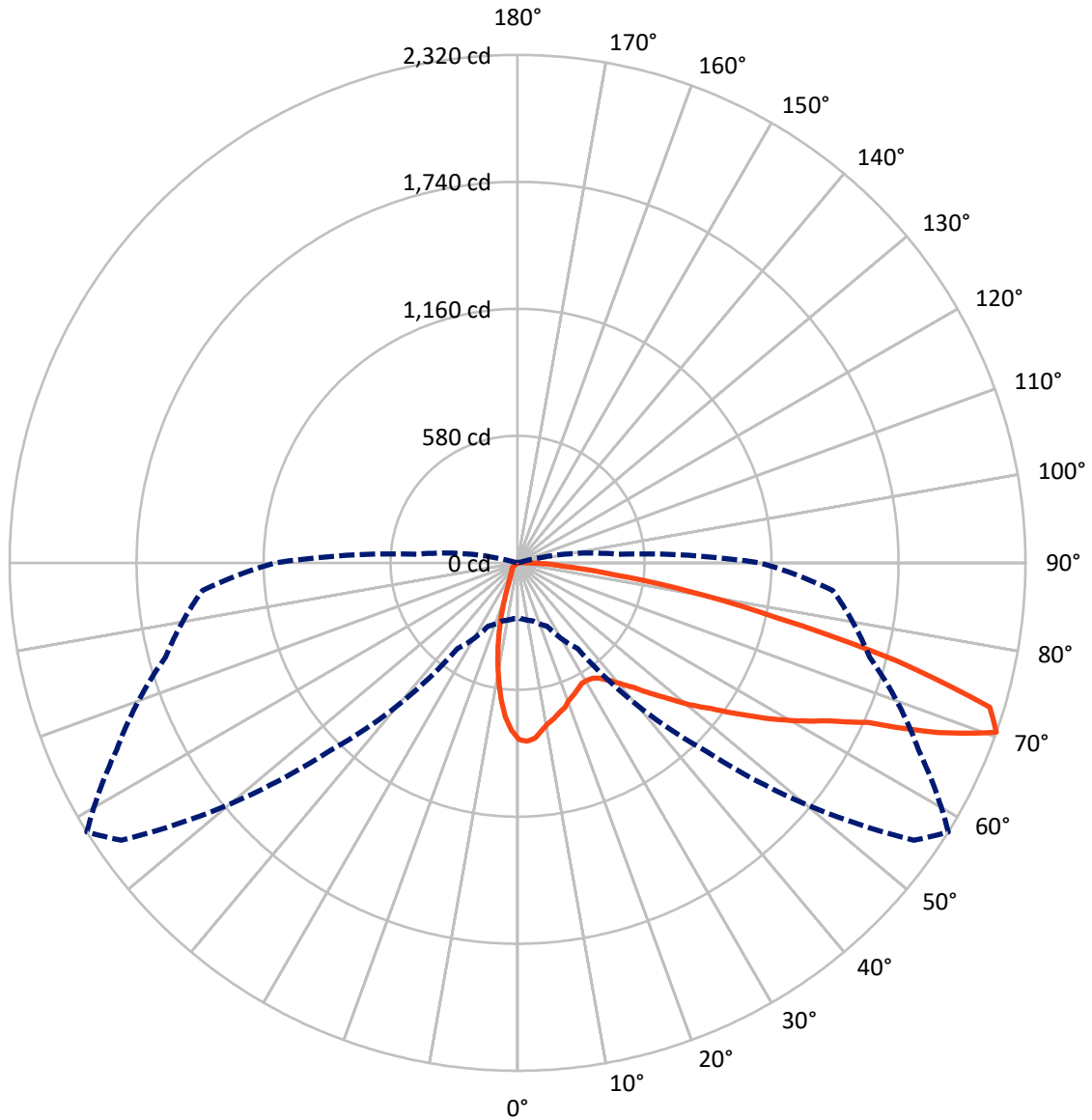
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 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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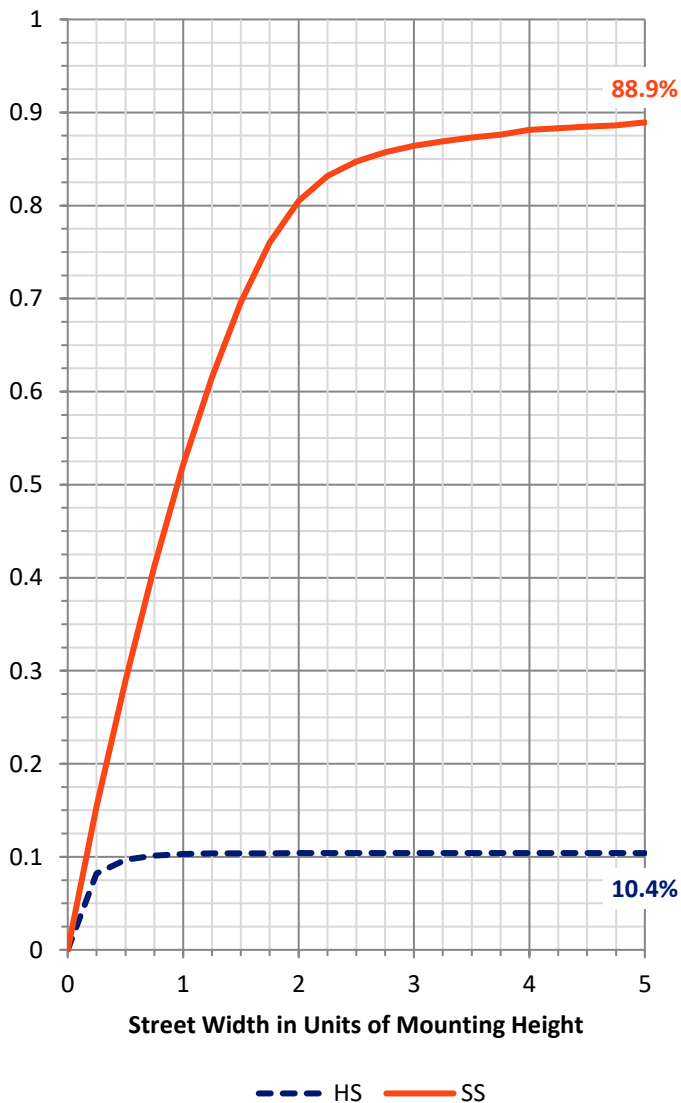
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	272.1	0.0	272.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2326.6	0.0	2326.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	2598.7	0.0	2598.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	2.5
10°-20°	137.0	5.3
20°-30°	183.5	7.1
30°-40°	248.0	9.5
40°-50°	356.0	13.7
50°-60°	524.6	20.2
60°-70°	639.9	24.6
70°-80°	390.7	15.0
80°-90°	53.1	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°	2598.7	100.0
0°-180°	2598.7	100.0

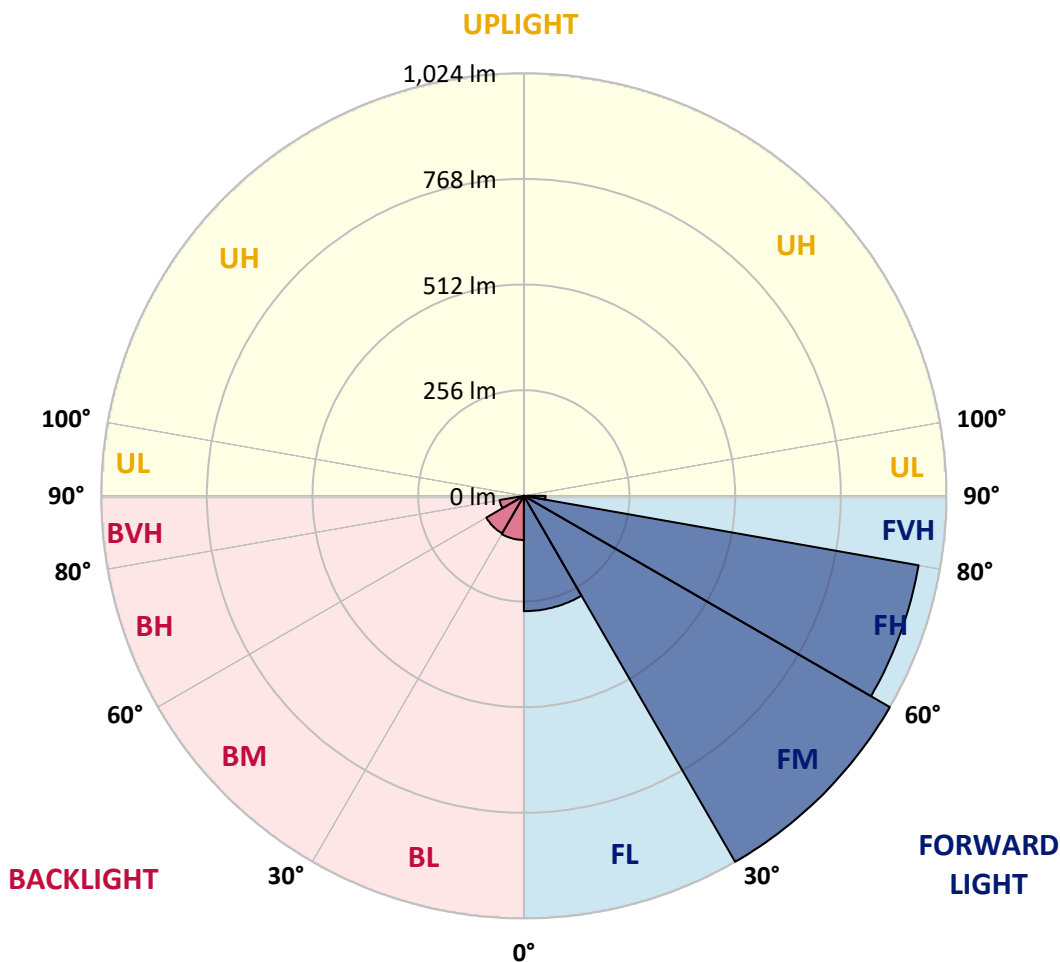


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.4	10.8			
FM (30°-60°)	1023.6	39.4			
FH (60°-80°)	971.0	37.4			G1/1800
FVH (80°-90°)	52.6	2.0			G1/100
BL (0°-30°)	106.9	4.1	B0/110		
BM (30°-60°)	105.0	4.0	B0/220		
BH (60°-80°)	59.6	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°	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7
2.5°	821.3	824.4	817.1	825.6	817.7	821.3	817.1	815.9	816.5	817.1	812.2
5°	783.0	790.3	793.3	788.4	800.0	798.2	805.5	806.1	803.1	800.0	800.6
7.5°	732.4	739.7	742.7	745.8	757.4	772.6	782.4	776.3	781.1	792.1	775.7
10°	695.8	694.0	693.4	699.5	721.4	734.2	750.7	748.8	761.0	771.4	758.0
12.5°	650.7	647.1	658.1	662.9	682.4	705.0	717.8	731.2	743.4	754.3	739.1
15°	617.2	620.3	624.5	634.9	648.9	678.8	697.7	710.5	732.4	737.9	731.8
17.5°	590.4	592.9	599.0	604.4	622.1	650.7	680.6	695.8	719.0	733.6	714.7
20°	591.0	583.7	583.7	589.2	599.0	633.1	664.8	669.6	701.3	726.3	713.5
22.5°	591.6	589.2	583.7	583.1	587.4	611.7	644.0	655.0	689.1	718.4	703.1
25°	600.2	591.0	591.6	583.1	584.9	597.1	622.7	639.2	678.2	722.6	697.7
27.5°	607.5	611.7	603.2	599.6	589.2	588.6	609.9	623.9	672.7	732.4	701.3
30°	623.9	627.0	627.0	624.5	614.8	600.8	605.7	623.3	661.7	730.6	695.2
32.5°	651.4	645.9	653.2	649.5	636.7	614.8	619.1	628.2	668.4	753.7	705.0
35°	660.5	664.8	674.5	666.6	662.3	649.5	641.0	647.7	678.2	776.9	719.6
37.5°	688.5	682.4	689.1	706.8	711.1	687.9	671.5	681.2	714.7	804.3	733.0
40°	691.0	695.8	708.0	742.7	747.0	737.3	723.9	726.3	751.3	839.6	766.5
42.5°	703.1	708.6	733.6	762.9	786.0	787.8	778.1	778.1	799.4	896.3	803.7
45°	726.9	717.8	750.1	799.4	832.9	839.6	852.4	849.4	866.4	956.0	873.1
47.5°	736.0	739.1	774.4	834.1	872.5	903.6	924.9	925.5	934.1	1032.2	963.3
50°	765.9	765.3	807.9	863.4	920.1	976.7	1018.2	1018.2	1017.5	1106.5	1040.7
52.5°	805.5	804.3	837.2	903.0	976.7	1048.0	1102.9	1104.7	1118.7	1197.9	1129.7
55°	870.1	864.6	896.3	945.0	1033.4	1119.9	1215.0	1215.6	1204.6	1263.1	1193.6
57.5°	924.3	923.7	949.9	996.8	1096.8	1212.5	1322.8	1339.3	1304.5	1330.1	1244.8
60°	910.3	918.2	972.5	1041.9	1163.8	1328.3	1439.2	1464.8	1409.3	1375.8	1283.2
62.5°	823.2	841.5	900.6	1011.5	1220.4	1496.5	1599.4	1587.9	1464.2	1414.8	1330.1
65°	592.2	610.5	683.6	850.0	1154.6	1615.3	1810.3	1757.9	1561.7	1472.7	1392.9
67.5°	348.5	355.8	401.5	542.3	863.4	1550.7	2066.2	2070.4	1753.6	1561.7	1501.3
70°	251.6	257.1	274.8	319.9	478.3	1215.6	2208.7	2319.6	2019.9	1664.0	1444.1
72.5°	193.2	193.2	223.0	266.3	304.7	728.1	2032.7	2255.1	2077.7	1565.9	1163.8
75°	138.9	142.6	174.9	229.1	280.9	365.6	1497.7	1789.5	1760.9	1269.2	812.8
77.5°	79.8	81.6	123.1	191.9	263.8	251.0	925.5	1213.1	1247.3	794.5	352.2
80°	40.8	42.0	68.9	151.7	238.8	218.7	552.0	798.8	677.6	230.9	81.6
82.5°	20.1	20.1	31.1	96.9	202.9	193.8	324.8	441.1	240.1	53.0	34.1
85°	6.7	7.3	14.0	54.8	146.8	117.0	198.6	209.6	80.4	20.1	18.9
87.5°	1.8	2.4	3.7	20.1	64.0	76.8	118.2	134.0	32.9	7.9	9.1
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°	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7	806.7
2.5°	793.9	789.7	784.8	772.6	762.9	750.1	741.5	734.8	722.0	724.5	719.0
5°	786.0	778.1	750.1	723.3	698.9	661.7	636.1	619.7	606.3	592.9	602.6
7.5°	772.0	753.1	709.2	659.3	607.5	558.7	510.0	480.7	459.4	439.9	439.3
10°	748.2	717.8	648.9	583.7	503.9	439.9	377.8	329.0	297.3	274.2	273.6
12.5°	721.4	689.7	603.2	497.2	405.2	315.0	240.7	188.9	159.0	140.8	138.3
15°	704.4	658.1	545.9	420.4	306.5	205.3	133.4	101.1	89.6	85.3	85.3
17.5°	682.4	629.4	489.3	340.6	212.6	118.8	86.5	78.0	77.4	76.2	74.9
20°	673.3	607.5	438.7	271.8	134.7	84.1	74.3	72.5	72.5	71.3	70.1
22.5°	648.9	575.8	385.1	199.2	89.6	73.7	70.1	67.6	66.4	65.2	66.4
25°	637.9	553.3	334.5	137.7	73.1	65.8	64.0	61.5	59.7	59.1	59.1
27.5°	630.6	530.7	285.2	95.7	64.6	60.3	56.7	54.8	52.4	50.0	50.0
30°	625.2	513.0	237.6	70.7	57.9	53.6	50.6	46.3	43.3	40.8	40.8
32.5°	617.8	492.3	190.1	60.3	52.4	48.1	42.7	39.0	34.7	32.9	32.9
35°	620.3	478.3	149.3	53.6	46.9	41.4	36.6	31.7	27.4	25.6	25.0
37.5°	625.2	467.9	113.3	48.1	42.0	35.9	30.5	25.0	22.5	20.1	20.1
40°	645.9	464.9	83.5	44.5	38.4	31.7	25.6	20.7	18.3	16.5	15.8
42.5°	680.6	469.2	64.6	40.2	34.7	26.8	21.3	17.1	14.6	12.8	12.2
45°	725.1	485.6	53.0	37.8	30.5	22.5	17.1	14.0	11.0	9.7	9.7
47.5°	789.7	511.2	46.3	34.7	26.8	18.9	14.6	11.0	8.5	7.3	7.3
50°	862.8	540.5	40.8	31.1	23.2	15.8	11.6	8.5	6.1	5.5	5.5
52.5°	935.9	577.6	37.8	28.6	20.1	12.8	9.1	6.1	4.3	3.7	3.7
55°	1012.7	610.5	34.1	26.8	16.5	10.4	6.7	3.7	2.4	1.8	1.8
57.5°	1066.3	623.3	29.9	23.2	12.8	7.9	4.9	2.4	1.2	0.6	0.6
60°	1104.7	625.2	25.6	18.9	9.7	6.1	3.0	1.2	0.6	0.0	0.0
62.5°	1137.0	628.8	21.9	14.6	7.3	4.3	1.8	0.6	0.0	0.0	0.0
65°	1200.9	625.8	17.7	11.6	4.9	2.4	1.2	0.0	0.0	0.0	0.0
67.5°	1251.5	595.3	14.0	7.9	3.0	1.2	0.6	0.0	0.0	0.0	0.0
70°	1107.1	453.9	11.0	5.5	1.8	0.6	0.0	0.0	0.0	0.0	0.0
72.5°	869.5	302.8	7.3	3.0	1.2	0.6	0.0	0.0	0.0	0.0	0.0
75°	570.3	150.5	5.5	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	221.8	39.6	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	53.6	13.4	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	23.2	4.9	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.0	2.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	1.2	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)