

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: P673717

Luminaire Tested: **CCP-SA-1B-760-U-SL2-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673717  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-760-U-SL2-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ SL2 distribution lens and House Side Shield  
Light Source: (16) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

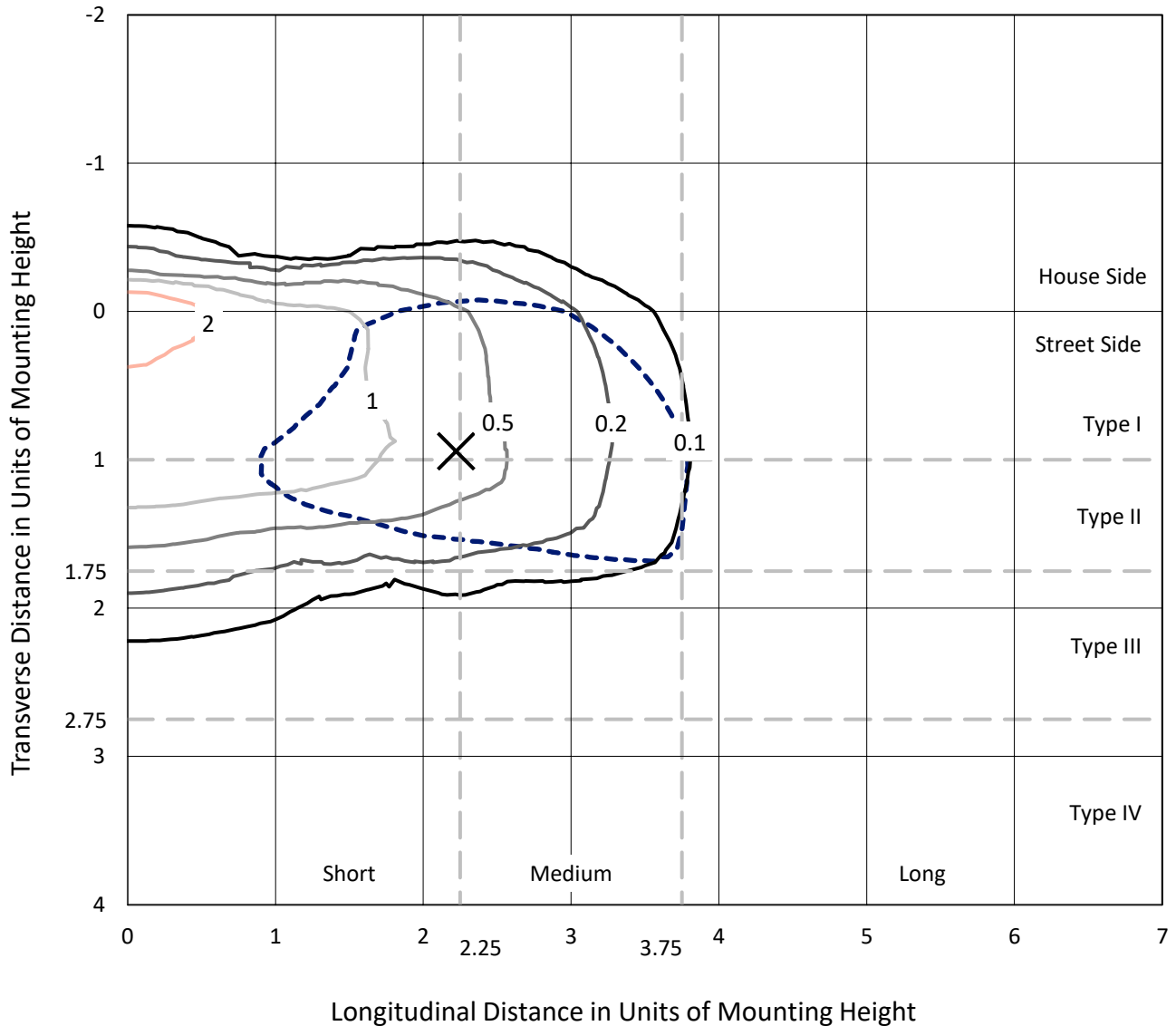
Lumens per Lamp: N/A  
Luminaire Lumens: 2840.8 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

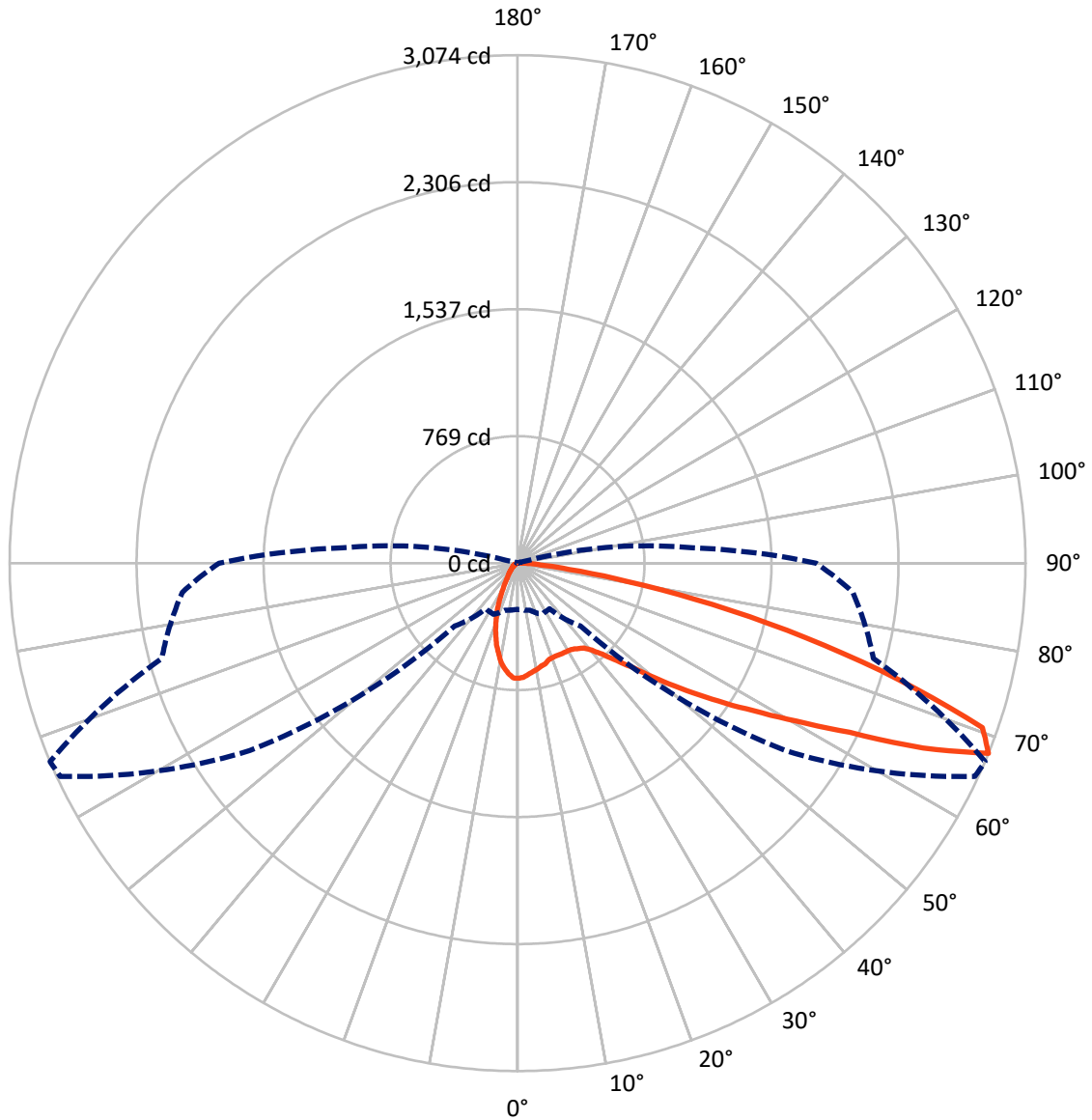
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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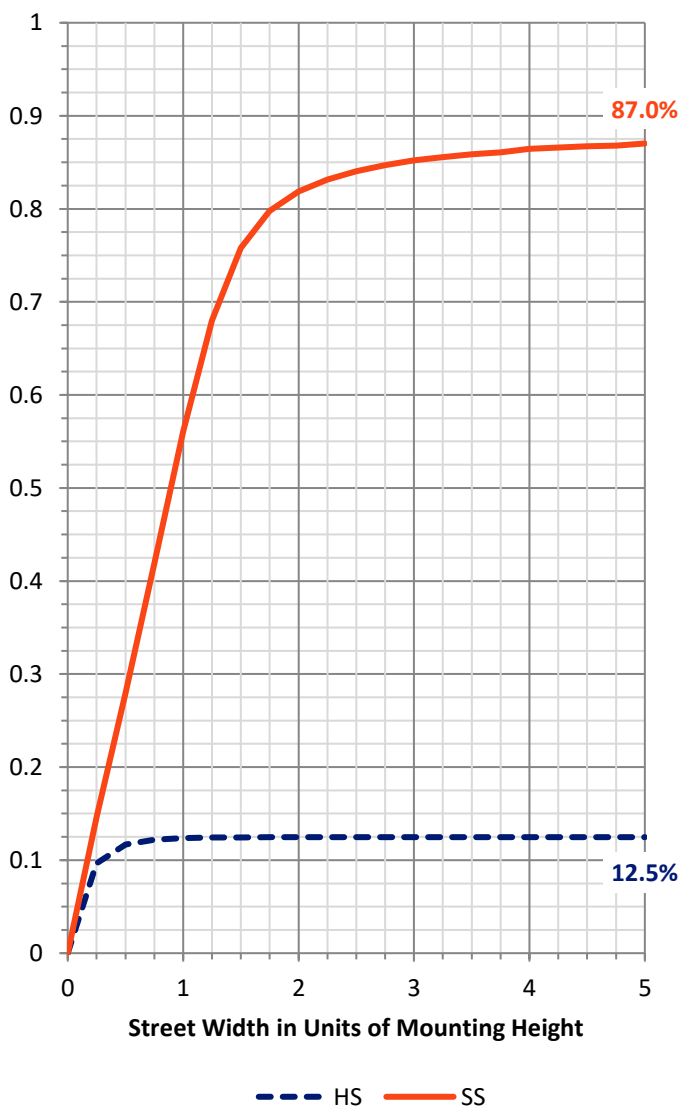
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	357.5	0.0	357.5
	% Fixture	12.6	0.0	12.6
<b>Street Side</b>	Lumens	2483.3	0.0	2483.3
	% Fixture	87.4	0.0	87.4
<b>Total</b>	Lumens	2840.8	0.0	2840.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.7	2.1
10°-20°	130.4	4.6
20°-30°	185.5	6.5
30°-40°	270.0	9.5
40°-50°	417.9	14.7
50°-60°	641.4	22.6
60°-70°	695.3	24.5
70°-80°	392.3	13.8
80°-90°	49.3	1.7
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°	2840.8	100.0
0°-180°	2840.8	100.0



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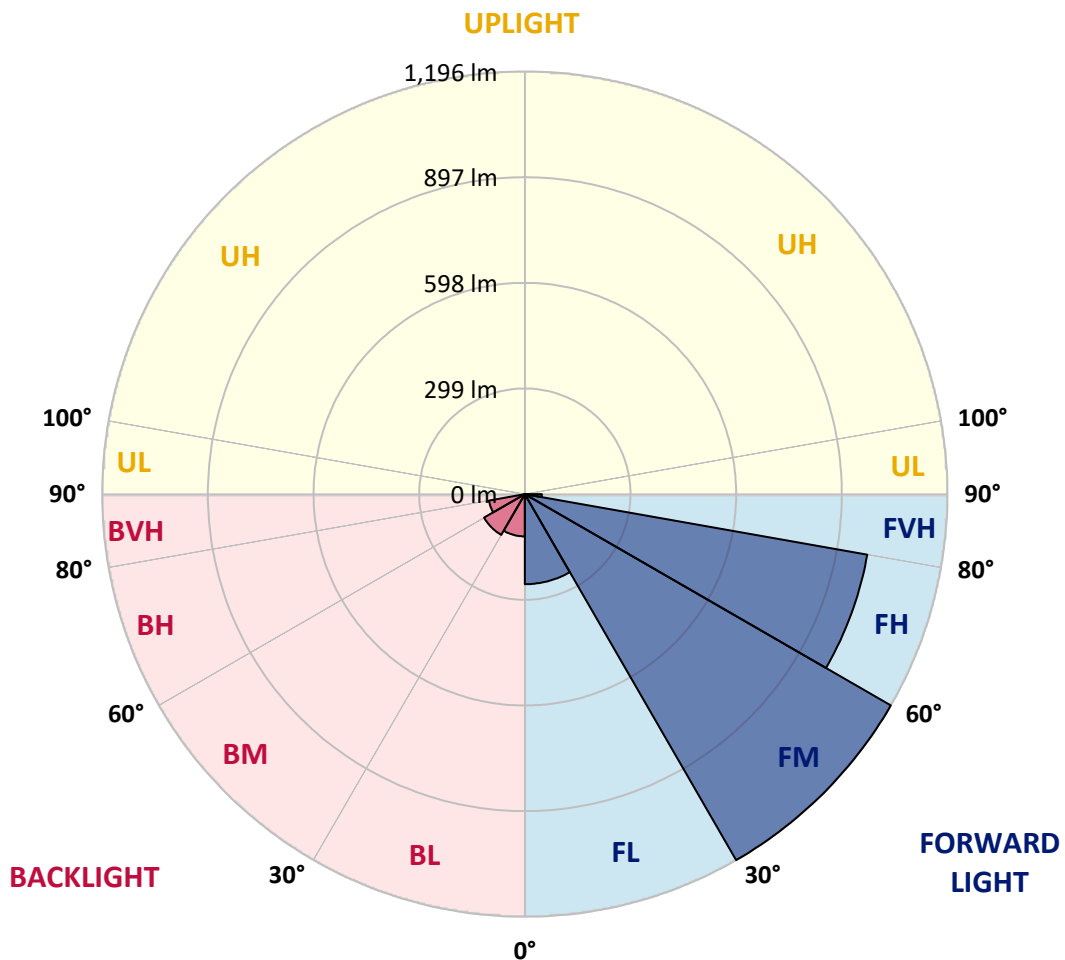
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	254.9	9.0			
FM (30°-60°)	1196.2	42.1			
FH (60°-80°)	984.3	34.6			G1/1800
FVH (80°-90°)	47.9	1.7			G1/100
BL (0°-30°)	119.7	4.2	B1/500		
BM (30°-60°)	133.2	4.7	B0/220		
BH (60°-80°)	103.3	3.6	B0/110		G0/110
BVH (80°-90°)	1.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	696.8	696.8	696.8	696.8	696.8	696.8	696.8	696.8	696.8	696.8	696.8
2.5°	666.7	670.1	674.9	681.7	686.5	683.8	685.9	697.5	691.3	696.8	694.1
5°	629.7	633.1	640.0	639.3	644.8	655.1	668.7	683.8	677.0	693.4	699.5
7.5°	591.4	590.0	590.0	604.4	616.0	630.4	637.9	662.6	663.3	677.6	692.7
10°	556.5	560.6	567.4	572.9	583.9	604.4	626.3	645.5	653.0	681.7	685.9
12.5°	535.3	537.3	545.5	550.3	564.7	584.5	607.8	632.5	638.6	668.1	687.9
15°	526.4	531.2	533.9	542.8	550.3	568.8	585.9	614.0	631.8	655.1	679.7
17.5°	533.2	531.2	532.5	535.3	544.2	560.6	579.1	607.1	613.3	652.3	689.3
20°	542.1	542.8	538.7	537.3	535.3	551.0	566.1	602.3	609.2	652.3	695.4
22.5°	566.1	558.5	566.1	555.1	544.2	551.0	565.4	603.0	607.8	651.6	701.6
25°	595.5	596.9	598.9	575.7	559.9	555.1	570.2	605.1	609.2	657.1	704.3
27.5°	637.3	643.4	633.1	621.5	590.0	566.1	569.5	603.7	611.2	654.4	711.2
30°	693.4	688.6	690.0	663.3	632.5	594.8	585.2	607.1	612.6	657.8	724.2
32.5°	742.0	736.5	746.1	736.5	687.9	635.9	603.7	614.0	620.1	666.0	735.1
35°	772.1	778.9	794.0	804.3	763.2	689.3	634.5	632.5	635.2	670.1	743.3
37.5°	818.6	831.0	843.3	869.3	833.7	755.0	683.1	656.4	651.6	690.0	747.5
40°	869.3	865.9	902.1	933.0	931.6	847.4	750.9	698.9	692.0	721.4	774.8
42.5°	911.7	908.3	948.7	999.3	1004.8	936.4	828.2	759.1	752.9	770.0	808.4
45°	967.2	969.9	1017.8	1078.1	1097.9	1054.1	933.0	845.3	841.9	836.4	872.0
47.5°	1016.5	1031.5	1072.6	1143.8	1215.6	1175.9	1056.2	971.3	947.3	935.0	970.6
50°	1050.7	1064.4	1114.3	1190.3	1321.7	1347.1	1194.4	1105.4	1106.1	1076.0	1095.2
52.5°	1050.7	1050.0	1090.4	1190.3	1395.7	1525.7	1379.2	1274.5	1280.0	1248.5	1249.9
55°	949.4	947.3	996.6	1102.7	1387.4	1697.5	1659.2	1488.8	1475.1	1414.1	1420.3
57.5°	764.6	769.4	807.0	934.3	1280.7	1777.6	1992.5	1729.7	1683.1	1557.2	1557.2
60°	557.9	553.7	581.8	670.8	1026.0	1747.5	2266.3	2013.8	1940.5	1675.6	1657.8
62.5°	424.4	423.7	431.2	461.3	650.9	1523.7	2384.1	2375.2	2256.1	1792.0	1766.7
65°	342.9	344.3	354.6	375.8	397.7	1039.0	2321.8	2806.4	2697.6	1965.2	1882.3
67.5°	280.0	283.4	295.7	341.6	336.8	538.0	1977.5	3053.5	3074.0	2229.4	2037.7
70°	215.6	221.1	235.5	300.5	324.4	358.0	1371.0	2930.3	2985.0	2393.6	1943.9
72.5°	146.5	145.8	176.6	243.7	327.9	327.9	763.2	2360.1	2412.1	2206.8	1688.6
75°	79.4	84.2	117.0	184.1	300.5	316.9	434.6	1727.0	1800.2	1716.0	1306.0
77.5°	43.1	43.8	65.0	120.5	249.8	302.5	290.2	1174.6	1203.3	1034.9	715.3
80°	22.6	23.3	34.2	78.7	172.5	280.6	241.6	700.2	672.8	397.0	236.1
82.5°	10.3	11.0	17.1	49.3	110.2	221.1	208.8	338.1	312.1	110.9	71.9
85°	4.1	4.1	7.5	29.4	64.3	108.8	178.7	169.8	141.7	33.5	35.6
87.5°	1.4	1.4	2.1	11.6	26.0	65.0	95.1	89.7	61.6	12.3	19.2
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°	696.8	696.8	696.8	696.8	696.8	696.8	696.8	696.8	696.8	696.8	696.8
2.5°	691.3	698.9	696.8	695.4	682.4	681.1	679.7	667.4	671.5	661.2	668.1
5°	695.4	699.5	688.6	668.1	649.6	629.0	613.3	602.3	582.5	575.0	573.6
7.5°	691.3	691.3	668.7	635.9	599.6	566.1	523.6	493.5	470.9	453.8	460.0
10°	685.9	677.6	654.4	596.2	530.5	479.8	418.9	374.4	340.9	329.9	323.1
12.5°	685.9	671.5	619.5	540.1	455.2	378.5	306.0	247.8	215.6	196.4	193.7
15°	679.7	658.5	594.1	487.4	381.9	277.9	195.1	145.1	117.7	110.2	107.5
17.5°	681.1	655.7	556.5	425.1	296.4	184.8	119.1	91.7	84.9	81.5	82.1
20°	683.8	655.7	522.9	364.1	213.6	115.0	82.1	77.3	73.9	72.6	73.2
22.5°	692.7	642.7	488.7	301.9	144.4	82.8	72.6	67.8	65.0	63.0	62.3
25°	694.1	640.7	455.9	240.3	99.3	69.8	63.7	58.2	54.8	52.0	51.3
27.5°	692.0	631.8	410.0	178.7	74.6	62.3	54.1	48.6	43.8	41.8	41.1
30°	699.5	615.4	371.0	128.7	63.0	54.1	45.9	39.7	35.6	32.9	32.9
32.5°	700.2	601.0	327.9	91.7	57.5	47.9	39.0	32.2	28.1	26.7	26.7
35°	700.9	588.0	280.0	69.8	51.3	41.1	32.2	26.7	24.0	21.9	21.9
37.5°	703.0	578.4	236.1	58.9	45.9	34.9	26.7	21.9	19.2	18.5	18.5
40°	707.1	565.4	190.3	52.0	39.7	29.4	22.6	18.5	15.7	15.1	14.4
42.5°	718.0	562.0	152.0	46.5	35.6	24.6	18.5	15.1	13.0	11.6	11.0
45°	763.2	570.9	117.7	43.1	30.1	20.5	15.7	12.3	9.6	8.9	8.2
47.5°	837.1	600.3	93.1	38.3	25.3	17.1	13.0	9.6	7.5	6.8	6.2
50°	949.4	667.4	76.0	34.2	21.2	14.4	10.3	7.5	5.5	4.8	4.8
52.5°	1096.5	757.7	65.7	30.1	17.1	12.3	8.2	5.5	4.1	3.4	3.4
55°	1247.1	864.5	61.6	26.0	14.4	10.3	6.2	4.1	2.7	2.1	2.1
57.5°	1385.4	933.6	59.6	21.2	12.3	7.5	4.8	2.7	1.4	0.7	0.7
60°	1471.6	984.3	53.4	17.1	9.6	6.2	3.4	1.4	0.7	0.0	0.0
62.5°	1585.3	1035.6	43.8	13.0	6.8	4.1	2.1	0.7	0.0	0.0	0.0
65°	1735.2	1093.1	34.2	10.3	5.5	2.7	1.4	0.7	0.0	0.0	0.0
67.5°	1807.0	1063.0	23.3	7.5	3.4	1.4	0.7	0.0	0.0	0.0	0.0
70°	1663.3	895.3	16.4	5.5	2.1	0.7	0.7	0.0	0.0	0.0	0.0
72.5°	1398.4	701.6	12.3	3.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0
75°	1030.8	438.8	9.6	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	546.9	163.6	6.8	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	161.5	47.9	4.8	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	53.4	14.4	2.7	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	27.4	5.5	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.7	2.1	1.4	1.4	0.7	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)