

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: P673816

Luminaire Tested: **CCP-SA-1A-730-U-SL3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673816  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-730-U-SL3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ SL3 distribution lens and House Side Shield  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

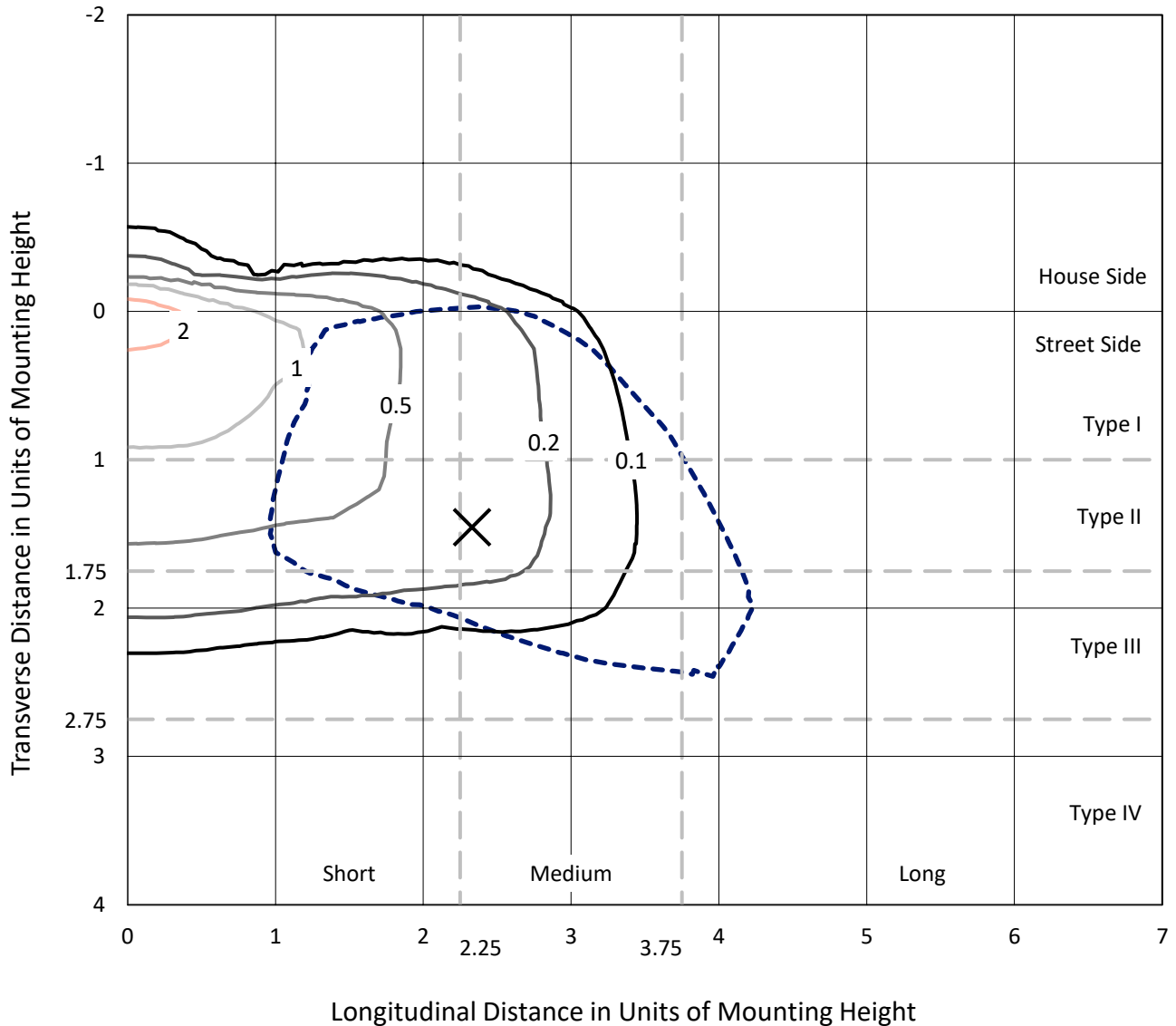
Lumens per Lamp: N/A  
Luminaire Lumens: 2058.6 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 18  
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

REPORT NUMBER: P673816  
 CATALOG NUMBER: CCP-SA-1A-730-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

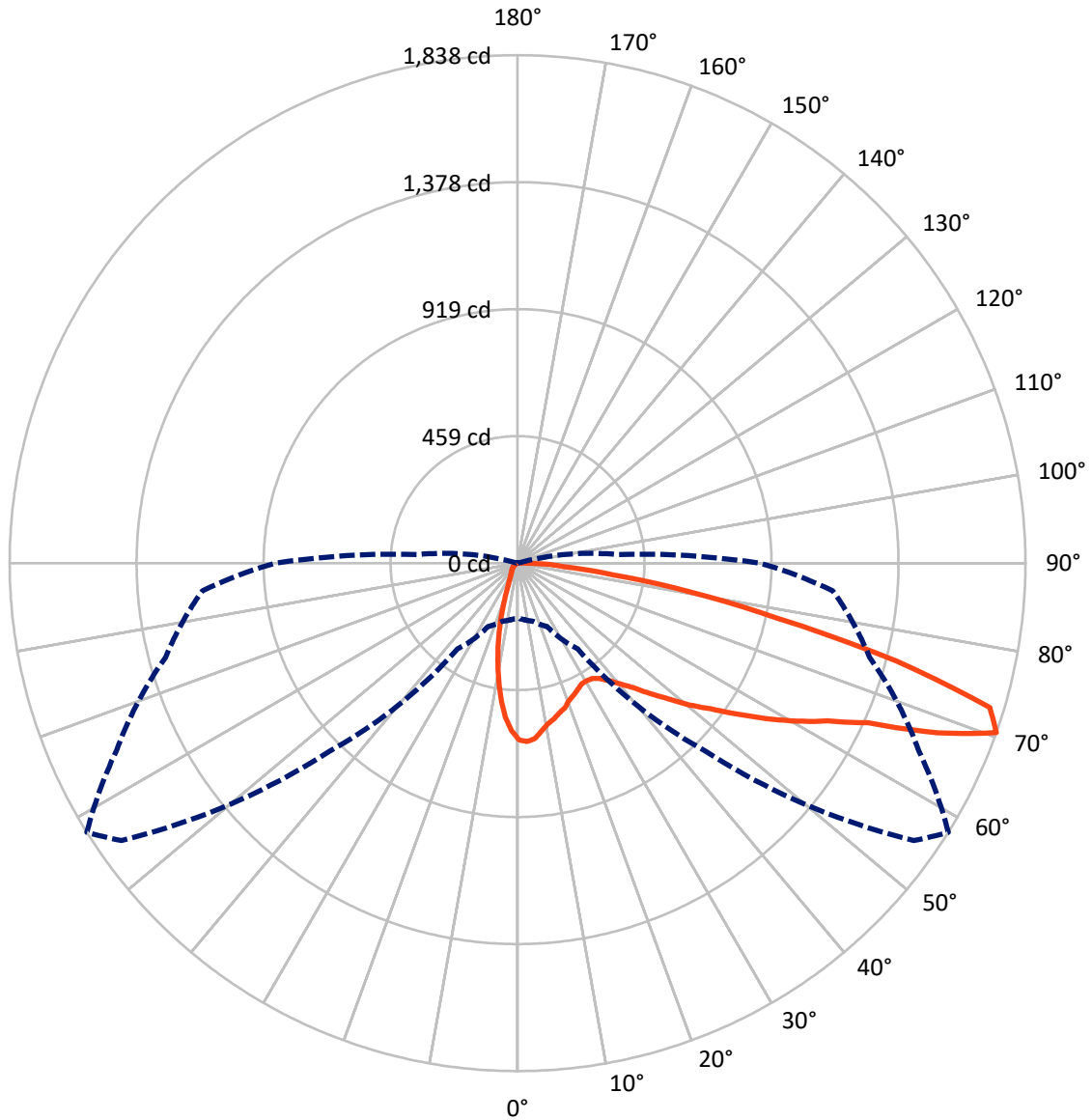
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Medium - N/A

REPORT NUMBER: P673816  
CATALOG NUMBER: CCP-SA-1A-730-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P673816  
 CATALOG NUMBER: CCP-SA-1A-730-U-SL3-HSS

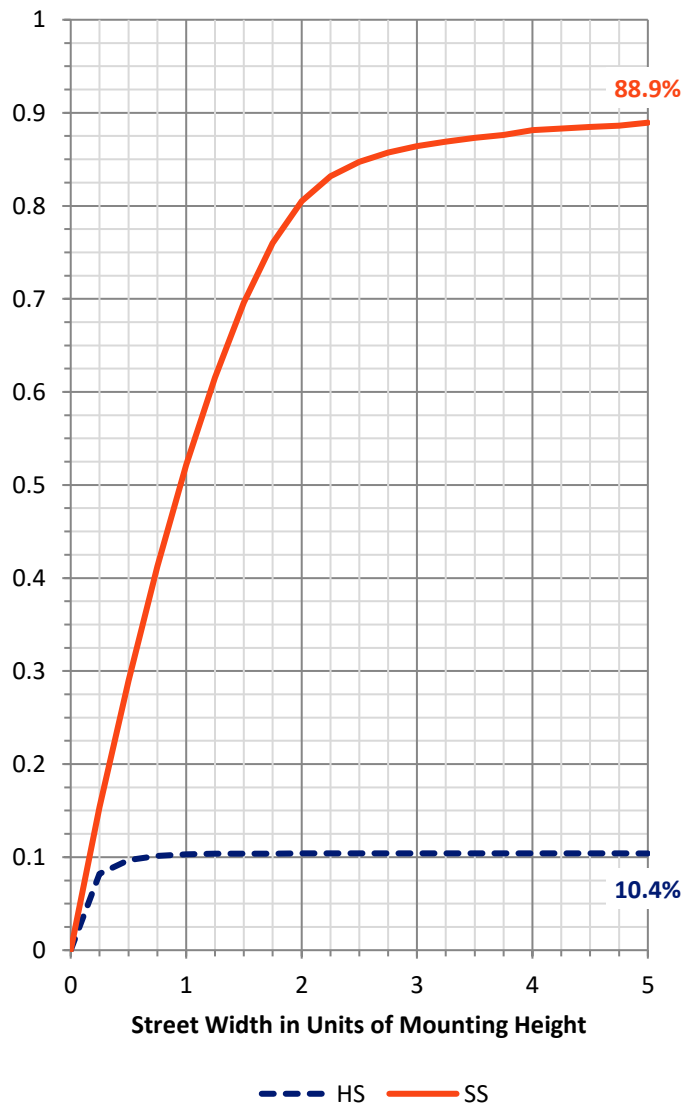
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	215.6	0.0	215.6
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	1843.0	0.0	1843.0
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	2058.6	0.0	2058.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.1	2.5
10°-20°	108.6	5.3
20°-30°	145.4	7.1
30°-40°	196.5	9.5
40°-50°	282.0	13.7
50°-60°	415.6	20.2
60°-70°	506.9	24.6
70°-80°	309.5	15.0
80°-90°	42.1	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°	2058.6	100.0
0°-180°	2058.6	100.0



REPORT NUMBER: P673816

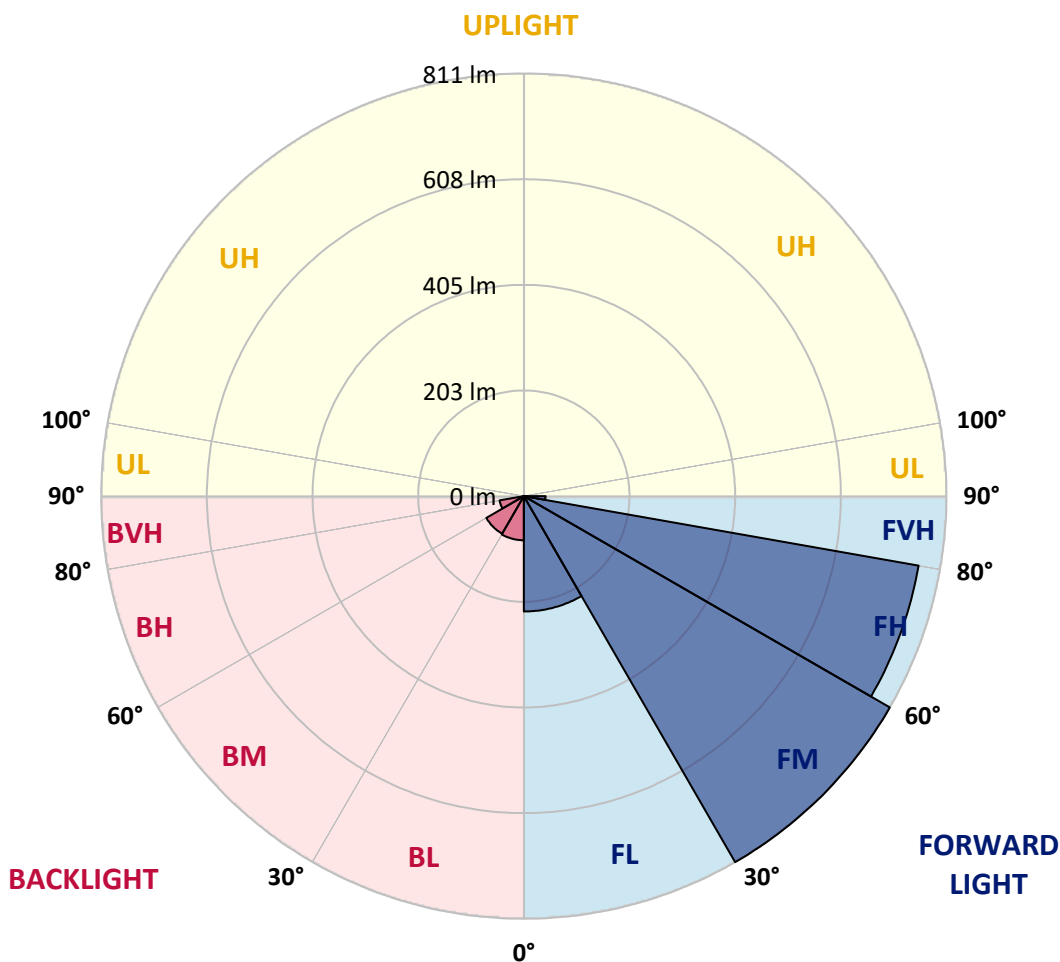
CATALOG NUMBER: CCP-SA-1A-730-U-SL3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	221.3	10.8			
FM (30°-60°)	810.9	39.4			
FH (60°-80°)	769.2	37.4			G1/1800
FVH (80°-90°)	41.6	2.0			G1/100
BL (0°-30°)	84.7	4.1	B0/110		
BM (30°-60°)	83.2	4.0	B0/220		
BH (60°-80°)	47.2	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





REPORT NUMBER: P673816  
 CATALOG NUMBER: CCP-SA-1A-730-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1
2.5°	650.6	653.1	647.3	654.0	647.7	650.6	647.3	646.3	646.8	647.3	643.4
5°	620.2	626.0	628.4	624.6	633.7	632.3	638.1	638.6	636.2	633.7	634.2
7.5°	580.2	586.0	588.4	590.8	600.0	612.0	619.8	614.9	618.8	627.5	614.4
10°	551.2	549.8	549.3	554.1	571.5	581.6	594.7	593.2	602.9	611.1	600.4
12.5°	515.5	512.6	521.3	525.1	540.6	558.5	568.6	579.2	588.9	597.5	585.5
15°	488.9	491.4	494.7	502.9	514.0	537.7	552.7	562.8	580.2	584.5	579.7
17.5°	467.7	469.6	474.5	478.8	492.8	515.5	539.1	551.2	569.6	581.1	566.2
20°	468.2	462.4	462.4	466.7	474.5	501.5	526.6	530.5	555.6	575.3	565.2
22.5°	468.7	466.7	462.4	461.9	465.3	484.6	510.2	518.9	545.9	569.1	557.0
25°	475.4	468.2	468.7	461.9	463.4	473.0	493.3	506.3	537.2	572.4	552.7
27.5°	481.2	484.6	477.8	474.9	466.7	466.3	483.2	494.3	532.9	580.2	555.6
30°	494.3	496.7	496.7	494.7	487.0	475.9	479.8	493.8	524.2	578.7	550.7
32.5°	516.0	511.6	517.4	514.5	504.4	487.0	490.4	497.6	529.5	597.1	558.5
35°	523.2	526.6	534.3	528.0	524.7	514.5	507.8	513.1	537.2	615.4	570.0
37.5°	545.4	540.6	545.9	559.9	563.3	544.9	531.9	539.6	566.2	637.1	580.7
40°	547.4	551.2	560.9	588.4	591.8	584.0	573.4	575.3	595.1	665.1	607.2
42.5°	557.0	561.3	581.1	604.3	622.6	624.1	616.4	616.4	633.3	710.0	636.6
45°	575.8	568.6	594.2	633.3	659.8	665.1	675.3	672.8	686.4	757.3	691.7
47.5°	583.1	585.5	613.5	660.8	691.2	715.8	732.7	733.2	739.9	817.6	763.1
50°	606.7	606.2	640.0	683.9	728.8	773.7	806.5	806.5	806.1	876.5	824.4
52.5°	638.1	637.1	663.2	715.3	773.7	830.2	873.6	875.1	886.2	948.9	894.9
55°	689.3	684.9	710.0	748.6	818.6	887.2	962.4	962.9	954.2	1000.6	945.6
57.5°	732.2	731.7	752.5	789.7	868.8	960.5	1047.9	1060.9	1033.4	1053.7	986.1
60°	721.1	727.4	770.3	825.4	921.9	1052.2	1140.1	1160.3	1116.4	1089.9	1016.5
62.5°	652.1	666.6	713.4	801.2	966.8	1185.4	1267.0	1257.8	1159.9	1120.8	1053.7
65°	469.2	483.6	541.6	673.3	914.7	1279.6	1434.0	1392.5	1237.1	1166.6	1103.4
67.5°	276.1	281.9	318.1	429.6	683.9	1228.4	1636.7	1640.1	1389.1	1237.1	1189.3
70°	199.3	203.7	217.7	253.4	378.9	962.9	1749.7	1837.5	1600.1	1318.2	1143.9
72.5°	153.0	153.0	176.7	210.9	241.3	576.8	1610.2	1786.4	1645.9	1240.5	921.9
75°	110.0	112.9	138.5	181.5	222.5	289.6	1186.4	1417.6	1394.9	1005.4	643.9
77.5°	63.2	64.7	97.5	152.0	209.0	198.9	733.2	961.0	988.0	629.4	279.0
80°	32.3	33.3	54.5	120.2	189.2	173.3	437.3	632.8	536.7	182.9	64.7
82.5°	15.9	15.9	24.6	76.7	160.7	153.5	257.3	349.5	190.2	42.0	27.0
85°	5.3	5.8	11.1	43.4	116.3	92.7	157.4	166.0	63.7	15.9	15.0
87.5°	1.4	1.9	2.9	15.9	50.7	60.8	93.6	106.2	26.1	6.3	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P673816  
 CATALOG NUMBER: CCP-SA-1A-730-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1
2.5°	628.9	625.5	621.7	612.0	604.3	594.2	587.4	582.1	572.0	573.9	569.6
5°	622.6	616.4	594.2	572.9	553.6	524.2	503.9	490.9	480.3	469.6	477.4
7.5°	611.5	596.6	561.8	522.3	481.2	442.6	404.0	380.8	363.9	348.5	348.0
10°	592.7	568.6	514.0	462.4	399.2	348.5	299.3	260.6	235.5	217.2	216.7
12.5°	571.5	546.4	477.8	393.9	321.0	249.5	190.7	149.6	126.0	111.5	109.6
15°	558.0	521.3	432.5	333.0	242.8	162.7	105.7	80.1	71.0	67.6	67.6
17.5°	540.6	498.6	387.6	269.8	168.5	94.1	68.5	61.8	61.3	60.3	59.4
20°	533.4	481.2	347.5	215.3	106.7	66.6	58.9	57.4	57.4	56.5	55.5
22.5°	514.0	456.1	305.0	157.8	71.0	58.4	55.5	53.6	52.6	51.6	52.6
25°	505.4	438.3	265.0	109.1	57.9	52.1	50.7	48.7	47.3	46.8	46.8
27.5°	499.6	420.4	225.9	75.8	51.2	47.8	44.9	43.4	41.5	39.6	39.6
30°	495.2	406.4	188.2	56.0	45.9	42.5	40.1	36.7	34.3	32.3	32.3
32.5°	489.4	390.0	150.6	47.8	41.5	38.1	33.8	30.9	27.5	26.1	26.1
35°	491.4	378.9	118.3	42.5	37.2	32.8	29.0	25.1	21.7	20.3	19.8
37.5°	495.2	370.7	89.8	38.1	33.3	28.5	24.1	19.8	17.9	15.9	15.9
40°	511.6	368.3	66.1	35.2	30.4	25.1	20.3	16.4	14.5	13.0	12.5
42.5°	539.1	371.7	51.2	31.9	27.5	21.2	16.9	13.5	11.6	10.1	9.7
45°	574.4	384.7	42.0	29.9	24.1	17.9	13.5	11.1	8.7	7.7	7.7
47.5°	625.5	405.0	36.7	27.5	21.2	15.0	11.6	8.7	6.8	5.8	5.8
50°	683.5	428.1	32.3	24.6	18.3	12.5	9.2	6.8	4.8	4.3	4.3
52.5°	741.4	457.6	29.9	22.7	15.9	10.1	7.2	4.8	3.4	2.9	2.9
55°	802.2	483.6	27.0	21.2	13.0	8.2	5.3	2.9	1.9	1.4	1.4
57.5°	844.7	493.8	23.7	18.3	10.1	6.3	3.9	1.9	1.0	0.5	0.5
60°	875.1	495.2	20.3	15.0	7.7	4.8	2.4	1.0	0.5	0.0	0.0
62.5°	900.7	498.1	17.4	11.6	5.8	3.4	1.4	0.5	0.0	0.0	0.0
65°	951.3	495.7	14.0	9.2	3.9	1.9	1.0	0.0	0.0	0.0	0.0
67.5°	991.4	471.6	11.1	6.3	2.4	1.0	0.5	0.0	0.0	0.0	0.0
70°	877.0	359.6	8.7	4.3	1.4	0.5	0.0	0.0	0.0	0.0	0.0
72.5°	688.8	239.9	5.8	2.4	1.0	0.5	0.0	0.0	0.0	0.0	0.0
75°	451.8	119.2	4.3	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	175.7	31.4	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	42.5	10.6	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.3	3.9	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.1	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.8	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)