

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: P673915

Luminaire Tested: **CCP-SA-1A-850-U-SL3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673915  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-850-U-SL3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ SL3 distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

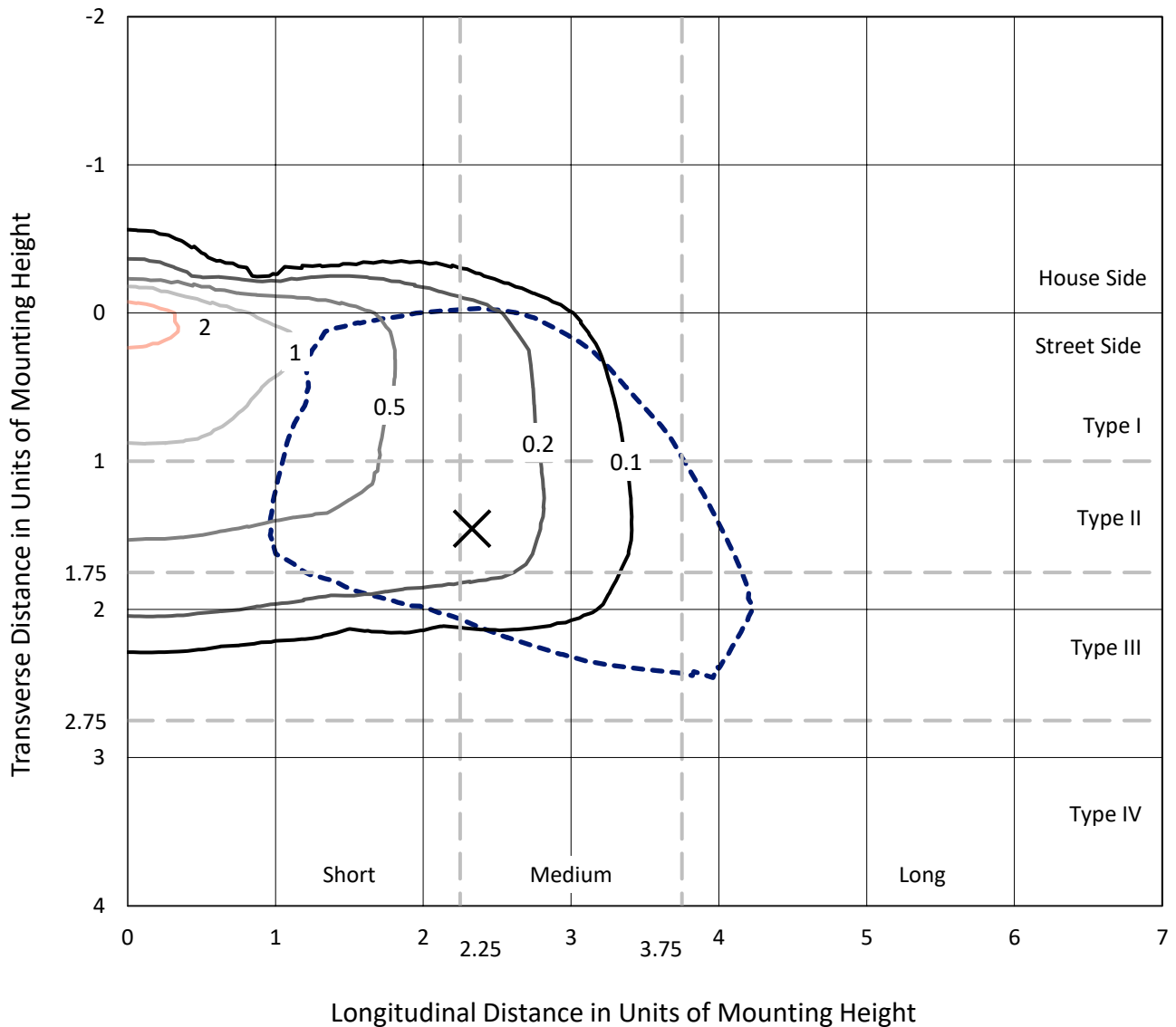
Lumens per Lamp: N/A  
Luminaire Lumens: 1972.7 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

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: P673915  
 CATALOG NUMBER: CCP-SA-1A-850-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

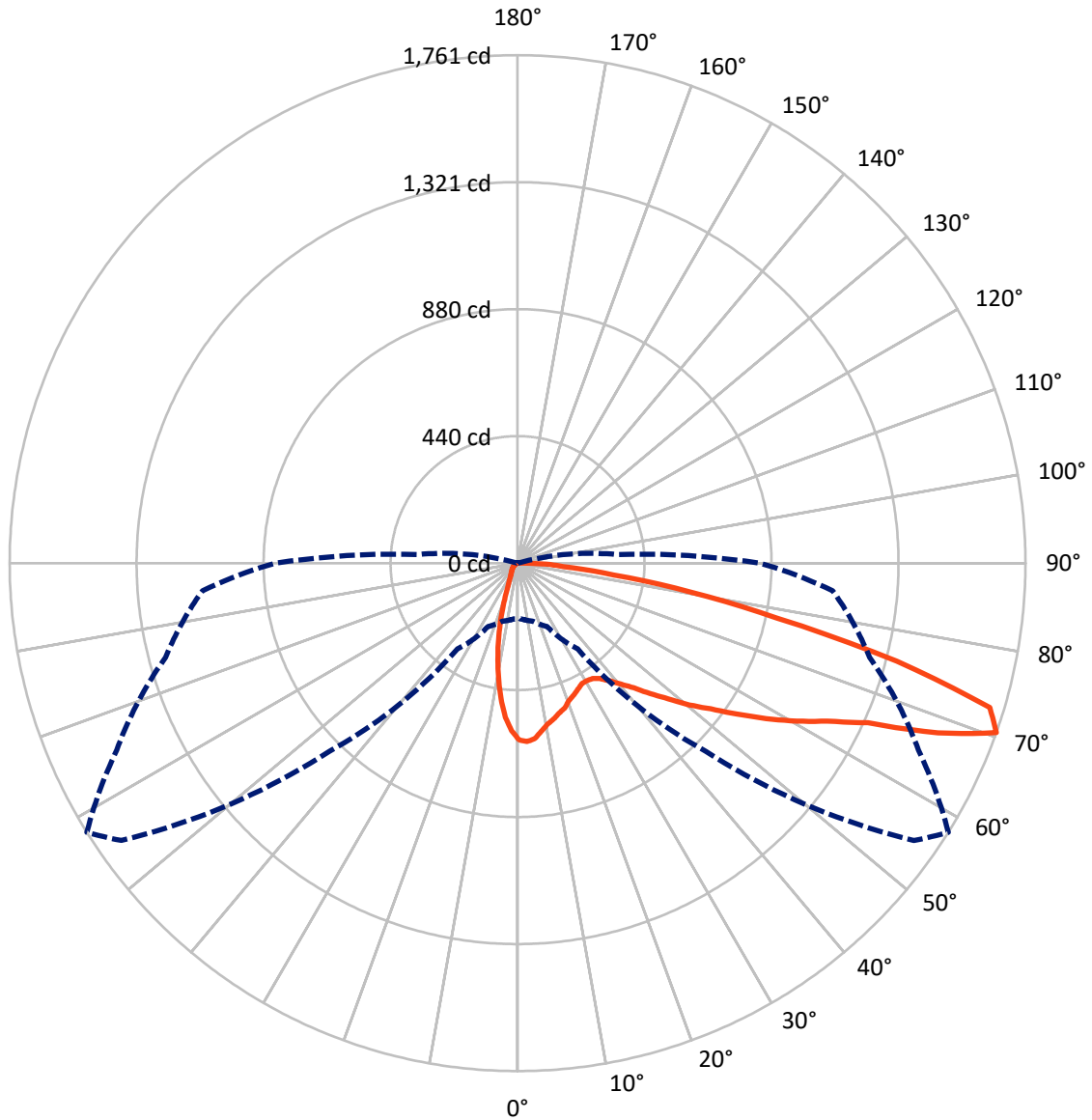
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc  
 Type III - Medium - N/A

REPORT NUMBER: P673915  
CATALOG NUMBER: CCP-SA-1A-850-U-SL3-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P673915  
 CATALOG NUMBER: CCP-SA-1A-850-U-SL3-HSS

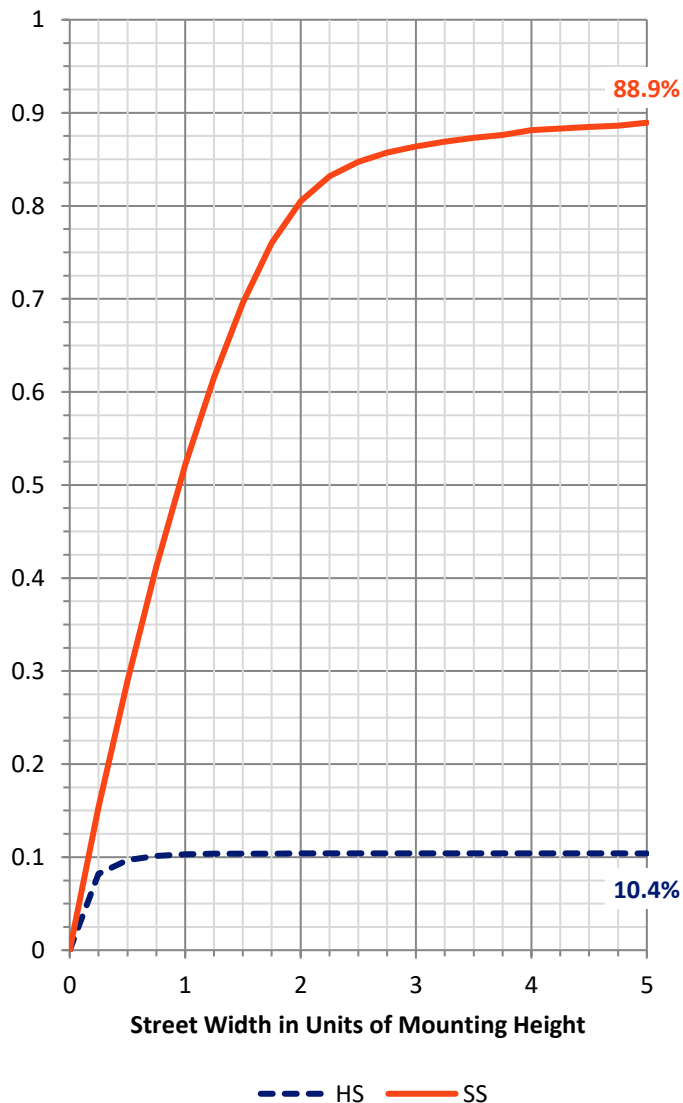
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	206.6	0.0	206.6
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	1766.1	0.0	1766.1
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	1972.7	0.0	1972.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.0	2.5
10°-20°	104.0	5.3
20°-30°	139.3	7.1
30°-40°	188.3	9.5
40°-50°	270.2	13.7
50°-60°	398.2	20.2
60°-70°	485.8	24.6
70°-80°	296.6	15.0
80°-90°	40.3	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°	1972.7	100.0
0°-180°	1972.7	100.0

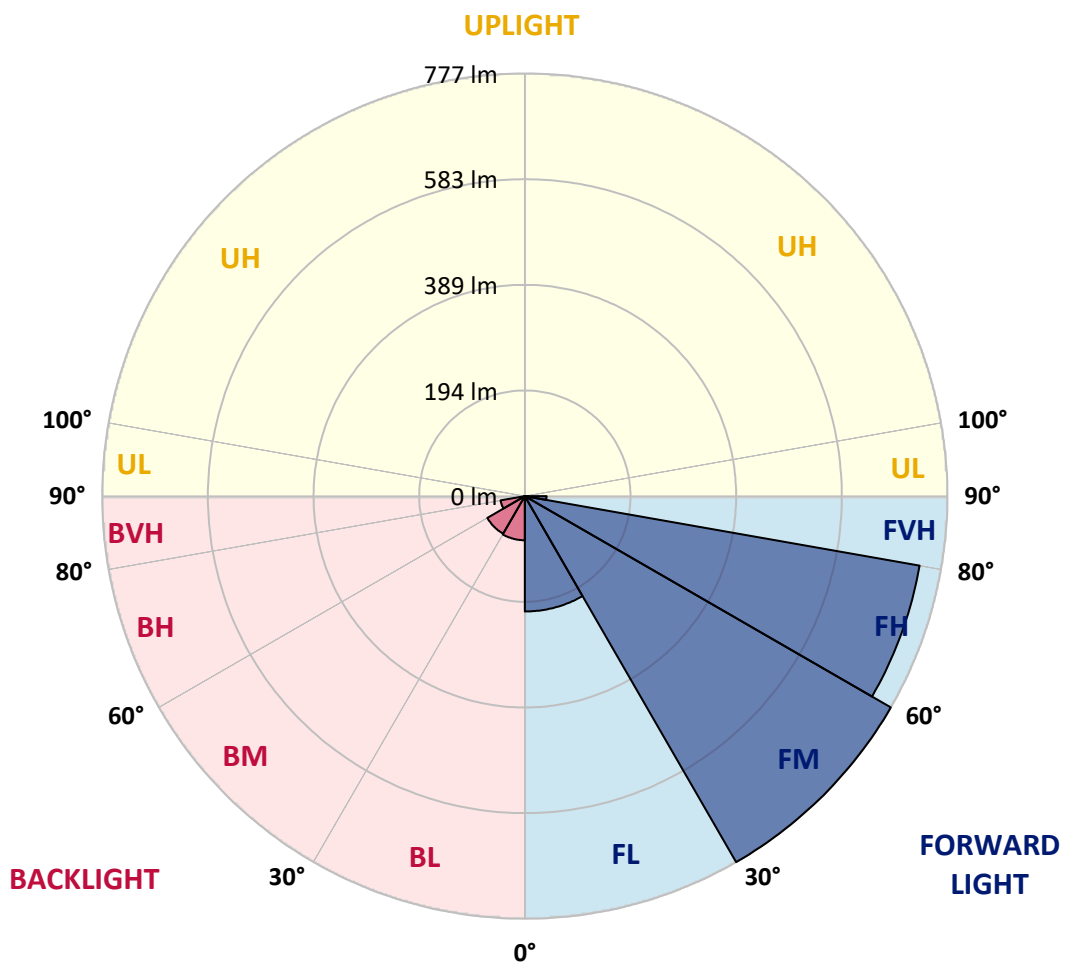


REPORT NUMBER: P673915  
 CATALOG NUMBER: CCP-SA-1A-850-U-SL3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.1	10.8			
FM (30°-60°)	777.0	39.4			
FH (60°-80°)	737.1	37.4			G1/1800
FVH (80°-90°)	39.9	2.0			G1/100
BL (0°-30°)	81.2	4.1	B0/110		
BM (30°-60°)	79.7	4.0	B0/220		
BH (60°-80°)	45.3	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: P673915  
 CATALOG NUMBER: CCP-SA-1A-850-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	612.4	612.4	612.4	612.4	612.4	612.4	612.4	612.4	612.4	612.4	612.4
2.5°	623.5	625.8	620.3	626.7	620.7	623.5	620.3	619.3	619.8	620.3	616.6
5°	594.4	599.9	602.2	598.5	607.3	605.9	611.5	611.9	609.6	607.3	607.8
7.5°	556.0	561.5	563.8	566.1	574.9	586.5	593.9	589.3	593.0	601.3	588.8
10°	528.2	526.8	526.4	531.0	547.6	557.3	569.8	568.4	577.7	585.6	575.4
12.5°	494.0	491.2	499.5	503.2	518.0	535.1	544.9	555.0	564.3	572.6	561.0
15°	468.5	470.9	474.1	482.0	492.6	515.3	529.6	539.3	556.0	560.1	555.5
17.5°	448.2	450.0	454.7	458.8	472.2	494.0	516.6	528.2	545.8	556.9	542.5
20°	448.7	443.1	443.1	447.3	454.7	480.6	504.6	508.3	532.4	551.3	541.6
22.5°	449.1	447.3	443.1	442.6	445.9	464.4	488.9	497.2	523.1	545.3	533.8
25°	455.6	448.7	449.1	442.6	444.0	453.3	472.7	485.2	514.8	548.6	529.6
27.5°	461.1	464.4	457.9	455.1	447.3	446.8	463.0	473.6	510.6	556.0	532.4
30°	473.6	475.9	475.9	474.1	466.7	456.1	459.8	473.2	502.3	554.6	527.7
32.5°	494.4	490.3	495.8	493.1	483.3	466.7	469.9	476.9	507.4	572.1	535.1
35°	501.4	504.6	512.0	506.0	502.8	493.1	486.6	491.7	514.8	589.7	546.2
37.5°	522.7	518.0	523.1	536.5	539.8	522.2	509.7	517.1	542.5	610.5	556.4
40°	524.5	528.2	537.5	563.8	567.1	559.7	549.5	551.3	570.3	637.4	581.9
42.5°	533.8	537.9	556.9	579.1	596.7	598.1	590.7	590.7	606.8	680.4	610.1
45°	551.8	544.9	569.4	606.8	632.3	637.4	647.1	644.8	657.7	725.7	662.8
47.5°	558.7	561.0	587.9	633.2	662.3	685.9	702.1	702.6	709.1	783.5	731.3
50°	581.4	580.9	613.3	655.4	698.4	741.4	772.9	772.9	772.4	840.0	790.0
52.5°	611.5	610.5	635.5	685.5	741.4	795.6	837.2	838.6	849.2	909.3	857.5
55°	660.5	656.3	680.4	717.4	784.5	850.1	922.3	922.7	914.4	958.8	906.1
57.5°	701.7	701.2	721.1	756.7	832.6	920.4	1004.2	1016.6	990.3	1009.7	944.9
60°	691.0	697.0	738.2	790.9	883.4	1008.3	1092.5	1111.9	1069.8	1044.4	974.1
62.5°	624.9	638.8	683.6	767.8	926.4	1136.0	1214.1	1205.4	1111.5	1074.0	1009.7
65°	449.6	463.5	519.0	645.2	876.5	1226.2	1374.2	1334.4	1185.5	1117.9	1057.3
67.5°	264.6	270.1	304.8	411.7	655.4	1177.1	1568.4	1571.7	1331.2	1185.5	1139.7
70°	191.0	195.2	208.6	242.8	363.1	922.7	1676.7	1760.9	1533.3	1263.2	1096.2
72.5°	146.6	146.6	169.3	202.1	231.3	552.7	1543.0	1711.8	1577.2	1188.7	883.4
75°	105.5	108.2	132.7	173.9	213.2	277.5	1136.9	1358.5	1336.7	963.4	617.0
77.5°	60.6	62.0	93.4	145.7	200.3	190.6	702.6	920.9	946.8	603.1	267.3
80°	31.0	31.9	52.3	115.2	181.3	166.0	419.1	606.4	514.3	175.3	62.0
82.5°	15.3	15.3	23.6	73.5	154.0	147.1	246.5	334.9	182.2	40.2	25.9
85°	5.1	5.6	10.6	41.6	111.5	88.8	150.8	159.1	61.1	15.3	14.3
87.5°	1.4	1.9	2.8	15.3	48.6	58.3	89.7	101.8	25.0	6.0	6.9
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: P673915  
 CATALOG NUMBER: CCP-SA-1A-850-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	612.4	612.4	612.4	612.4	612.4	612.4	612.4	612.4	612.4	612.4	612.4
2.5°	602.7	599.4	595.7	586.5	579.1	569.4	562.9	557.8	548.1	549.9	545.8
5°	596.7	590.7	569.4	549.0	530.5	502.3	482.9	470.4	460.2	450.0	457.4
7.5°	586.0	571.7	538.4	500.5	461.1	424.1	387.1	364.9	348.7	333.9	333.5
10°	568.0	544.9	492.6	443.1	382.5	333.9	286.8	249.8	225.7	208.1	207.7
12.5°	547.6	523.6	457.9	377.4	307.6	239.1	182.7	143.4	120.7	106.8	105.0
15°	534.7	499.5	414.4	319.1	232.7	155.9	101.3	76.8	68.0	64.8	64.8
17.5°	518.0	477.8	371.4	258.6	161.4	90.2	65.7	59.2	58.7	57.8	56.9
20°	511.1	461.1	333.0	206.3	102.2	63.8	56.4	55.0	55.0	54.1	53.2
22.5°	492.6	437.1	292.3	151.2	68.0	56.0	53.2	51.3	50.4	49.5	50.4
25°	484.3	420.0	253.9	104.5	55.5	50.0	48.6	46.7	45.3	44.9	44.9
27.5°	478.7	402.9	216.5	72.6	49.0	45.8	43.0	41.6	39.8	37.9	37.9
30°	474.6	389.5	180.4	53.7	43.9	40.7	38.4	35.2	32.8	31.0	31.0
32.5°	469.0	373.7	144.3	45.8	39.8	36.5	32.4	29.6	26.4	25.0	25.0
35°	470.9	363.1	113.3	40.7	35.6	31.5	27.8	24.1	20.8	19.4	19.0
37.5°	474.6	355.2	86.0	36.5	31.9	27.3	23.1	19.0	17.1	15.3	15.3
40°	490.3	352.9	63.4	33.8	29.1	24.1	19.4	15.7	13.9	12.5	12.0
42.5°	516.6	356.1	49.0	30.5	26.4	20.4	16.2	13.0	11.1	9.7	9.3
45°	550.4	368.6	40.2	28.7	23.1	17.1	13.0	10.6	8.3	7.4	7.4
47.5°	599.4	388.1	35.2	26.4	20.4	14.3	11.1	8.3	6.5	5.6	5.6
50°	654.9	410.3	31.0	23.6	17.6	12.0	8.8	6.5	4.6	4.2	4.2
52.5°	710.4	438.5	28.7	21.7	15.3	9.7	6.9	4.6	3.2	2.8	2.8
55°	768.7	463.5	25.9	20.4	12.5	7.9	5.1	2.8	1.9	1.4	1.4
57.5°	809.4	473.2	22.7	17.6	9.7	6.0	3.7	1.9	0.9	0.5	0.5
60°	838.6	474.6	19.4	14.3	7.4	4.6	2.3	0.9	0.5	0.0	0.0
62.5°	863.1	477.3	16.7	11.1	5.6	3.2	1.4	0.5	0.0	0.0	0.0
65°	911.6	475.0	13.4	8.8	3.7	1.9	0.9	0.0	0.0	0.0	0.0
67.5°	950.0	451.9	10.6	6.0	2.3	0.9	0.5	0.0	0.0	0.0	0.0
70°	840.4	344.6	8.3	4.2	1.4	0.5	0.0	0.0	0.0	0.0	0.0
72.5°	660.0	229.9	5.6	2.3	0.9	0.5	0.0	0.0	0.0	0.0	0.0
75°	432.9	114.2	4.2	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	168.4	30.1	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	40.7	10.2	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.6	3.7	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.6	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.6	0.9	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)