

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: P673340

Luminaire Tested: **CCP-SA-1B-850-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673340  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-850-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3 distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

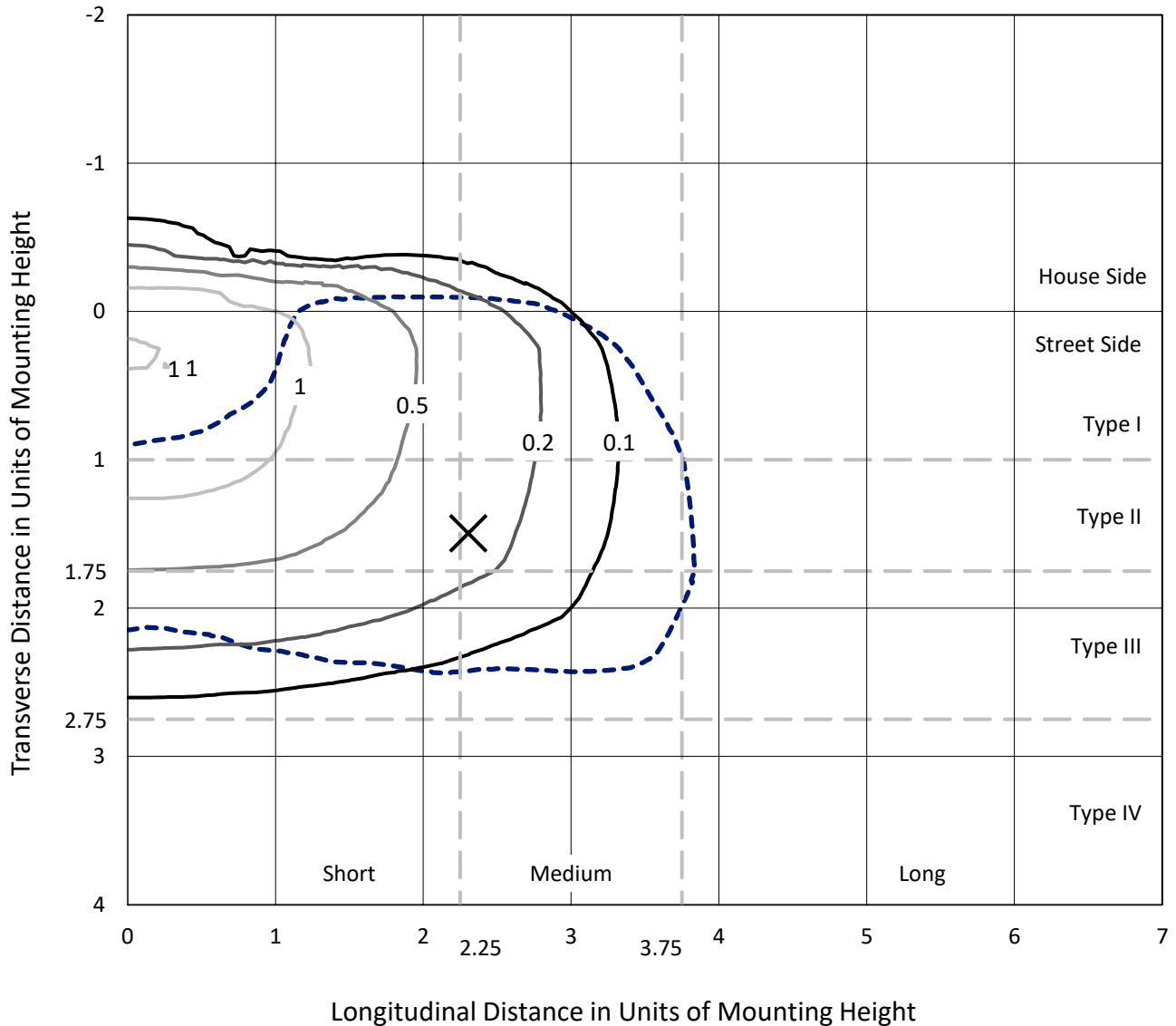
Lumens per Lamp: N/A  
Luminaire Lumens: 2171 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

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

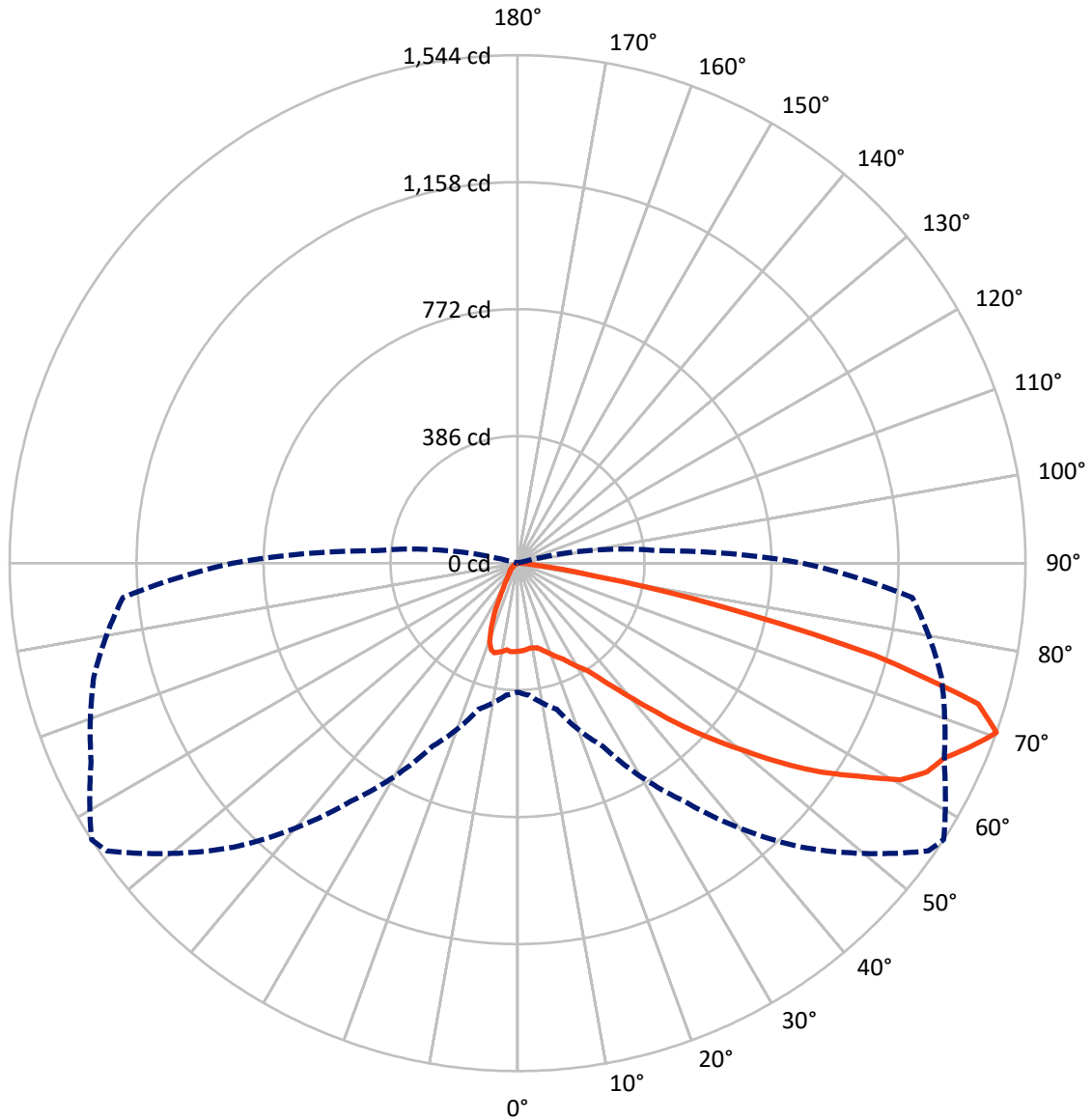
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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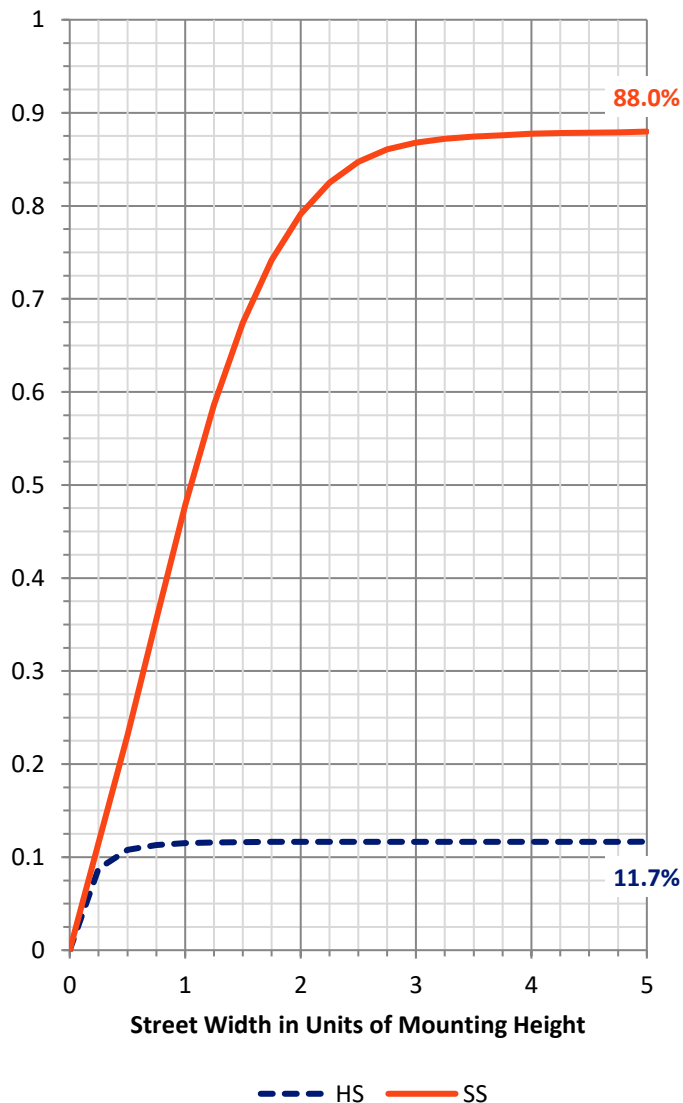
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	255.9	0.0	255.9
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	1915.1	0.0	1915.1
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	2171.0	0.0	2171.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.0	1.2
10°-20°	70.0	3.2
20°-30°	117.9	5.4
30°-40°	201.8	9.3
40°-50°	338.8	15.6
50°-60°	520.0	24.0
60°-70°	600.4	27.7
70°-80°	283.6	13.1
80°-90°	13.5	0.6
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°	2171.0	100.0
0°-180°	2171.0	100.0



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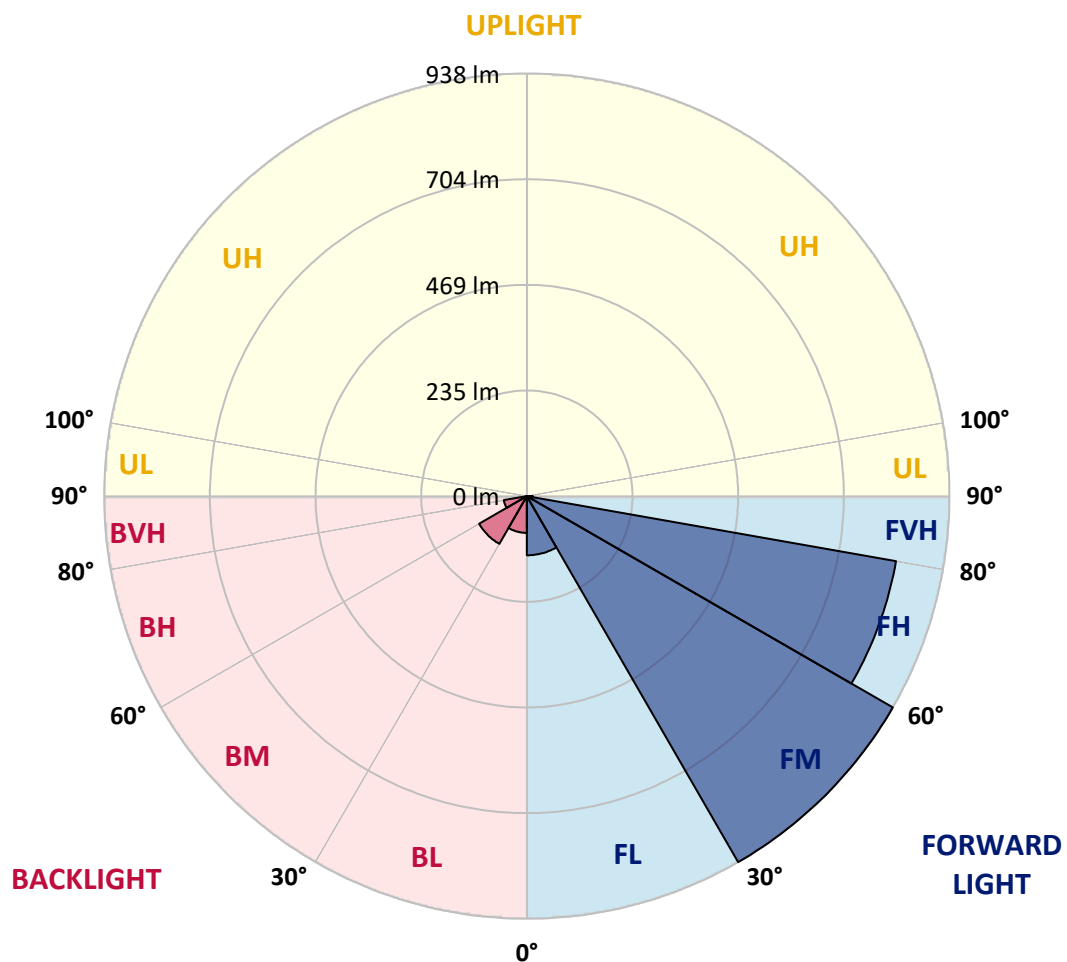
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.3	6.0			
FM (30°-60°)	938.3	43.2			
FH (60°-80°)	832.3	38.3			G1/1800
FVH (80°-90°)	13.2	0.6			G1/100
BL (0°-30°)	81.6	3.8	B0/110		
BM (30°-60°)	122.3	5.6	B0/220		
BH (60°-80°)	51.8	2.4	B0/110		G0/110
BVH (80°-90°)	0.2	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°	57°	65°	75°	85°
0°	267.9	267.9	267.9	267.9	267.9	267.9	267.9	267.9	267.9	267.9	267.9
2.5°	264.0	262.3	264.0	266.2	264.0	265.7	265.1	266.8	264.6	264.6	266.2
5°	246.8	249.6	250.7	253.5	256.2	261.2	264.6	264.6	267.9	269.5	271.8
7.5°	240.7	236.3	240.7	242.9	245.7	254.0	259.0	261.2	265.7	271.8	275.1
10°	231.8	235.2	235.2	242.4	246.2	251.2	260.1	261.8	271.8	277.9	281.2
12.5°	231.3	231.3	234.0	239.0	246.8	256.2	267.3	264.0	274.5	285.6	291.2
15°	232.9	236.8	236.8	243.5	249.6	262.9	272.3	272.9	287.8	298.9	303.9
17.5°	240.1	238.5	240.7	244.6	254.0	266.8	282.3	284.0	301.2	316.1	323.3
20°	255.1	257.9	254.6	252.3	256.2	272.9	292.8	296.2	315.6	330.0	337.2
22.5°	311.1	308.9	295.6	280.1	273.4	281.2	302.8	310.6	333.3	350.5	356.6
25°	374.4	370.5	355.0	331.7	301.2	297.8	322.8	322.8	355.5	374.4	372.7
27.5°	434.3	433.2	414.9	390.4	347.2	323.3	338.9	345.0	380.5	396.0	388.8
30°	495.3	496.4	479.7	450.3	404.9	364.4	361.6	366.6	399.3	423.7	408.8
32.5°	566.3	556.3	544.6	504.1	462.5	417.1	391.0	388.8	420.4	442.6	422.6
35°	629.5	623.4	610.6	574.0	526.3	472.0	435.4	429.8	447.0	476.4	454.8
37.5°	684.9	678.8	662.2	637.8	600.6	540.2	488.6	480.3	487.5	518.6	492.5
40°	732.6	734.3	729.9	706.0	671.6	616.7	557.4	544.1	538.0	565.7	536.3
42.5°	767.0	783.1	784.2	754.8	727.1	697.1	630.6	620.1	605.6	628.9	608.4
45°	839.1	830.3	835.8	825.3	794.8	790.3	714.9	708.8	688.8	696.6	675.0
47.5°	895.7	894.0	904.6	887.4	879.1	879.6	810.8	800.3	772.0	786.4	762.0
50°	928.4	919.5	957.8	971.1	969.5	976.1	907.9	899.0	871.9	892.9	840.8
52.5°	936.2	952.3	988.3	1036.6	1057.1	1071.0	1013.8	1010.5	981.1	994.4	922.3
55°	955.6	971.1	992.2	1071.5	1147.5	1150.8	1118.1	1121.4	1095.4	1092.0	1000.0
57.5°	955.0	951.7	1010.0	1102.0	1207.4	1255.1	1237.3	1221.3	1193.0	1160.3	1049.9
60°	920.1	918.4	978.9	1105.9	1240.1	1349.4	1356.6	1337.7	1266.7	1218.5	1108.7
62.5°	850.8	857.4	918.4	1072.6	1271.2	1383.2	1409.8	1397.1	1308.9	1257.3	1178.0
65°	771.5	757.6	828.6	989.4	1201.3	1373.2	1430.9	1426.5	1358.8	1299.5	1241.8
67.5°	618.9	625.0	679.4	851.3	1082.1	1336.6	1480.3	1486.9	1398.7	1336.6	1261.2
70°	392.1	403.2	459.8	615.1	883.5	1221.3	1524.6	1544.0	1430.3	1333.3	1204.6
72.5°	114.3	118.7	195.8	306.7	562.9	979.4	1453.6	1463.6	1368.8	1210.2	931.8
75°	37.7	39.9	57.7	99.8	220.7	506.4	1073.7	1120.9	1089.3	877.4	533.0
77.5°	25.0	26.1	31.6	47.7	83.7	158.6	575.7	626.2	614.0	411.0	171.9
80°	18.3	18.9	23.3	32.2	51.0	57.1	212.4	245.7	237.4	94.3	34.4
82.5°	11.6	11.6	17.2	22.7	32.2	28.3	61.6	68.2	66.6	36.0	13.3
85°	7.8	8.3	12.8	17.7	17.7	13.3	17.7	20.5	22.2	19.4	6.1
87.5°	2.2	2.8	7.2	12.2	7.2	6.7	6.1	6.7	7.8	10.5	3.3
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°	267.9	267.9	267.9	267.9	267.9	267.9	267.9	267.9	267.9	267.9	267.9
2.5°	267.9	270.1	269.5	270.7	269.0	267.3	269.0	269.0	269.0	267.3	266.2
5°	270.1	269.0	270.1	267.9	270.1	267.9	266.8	263.4	262.9	262.9	265.1
7.5°	273.4	274.5	269.5	269.5	264.6	265.7	262.9	263.4	262.3	260.7	259.6
10°	278.4	282.9	277.9	276.2	270.7	266.2	259.6	256.2	256.2	254.0	256.2
12.5°	292.3	290.6	287.8	282.3	275.6	266.8	250.7	234.6	221.3	211.3	216.3
15°	303.4	302.8	298.9	288.4	279.5	252.3	211.9	170.3	148.1	138.1	136.4
17.5°	320.6	318.9	312.2	298.4	269.0	209.1	145.3	110.4	88.7	83.7	82.1
20°	336.7	336.1	321.7	303.9	242.4	152.5	94.8	72.7	66.6	67.1	66.0
22.5°	353.8	351.1	333.9	297.3	193.0	101.5	67.7	64.9	62.7	62.1	63.2
25°	373.3	363.3	346.1	282.3	142.0	69.9	63.8	61.6	59.3	58.8	58.8
27.5°	381.0	374.4	351.6	246.2	89.8	61.0	59.9	57.1	54.4	52.7	52.1
30°	398.8	387.7	357.2	193.6	63.8	56.0	54.4	51.0	47.1	44.4	44.4
32.5°	416.5	403.2	357.7	135.3	53.2	50.5	47.7	43.3	38.3	35.5	36.0
35°	438.7	420.4	351.6	87.6	47.7	44.4	38.8	33.8	29.4	27.2	27.2
37.5°	476.4	459.2	326.7	57.7	43.3	37.7	32.2	26.6	22.7	21.1	21.1
40°	524.1	501.9	292.3	45.5	38.3	32.2	25.5	20.5	18.3	16.6	16.6
42.5°	581.2	553.5	241.3	40.5	33.8	26.6	20.0	16.1	13.9	13.9	13.3
45°	638.4	592.9	189.1	37.2	29.9	22.2	15.5	12.8	11.6	11.1	11.1
47.5°	719.9	640.6	135.3	33.8	26.1	17.2	12.8	10.5	9.4	8.9	9.4
50°	798.1	685.5	95.9	30.5	21.6	13.9	10.5	9.4	8.3	7.8	7.8
52.5°	866.9	716.6	67.1	26.6	18.3	11.6	9.4	8.3	7.8	7.2	7.2
55°	904.6	706.0	46.0	22.7	15.0	10.0	8.3	7.2	6.7	6.1	6.1
57.5°	943.4	676.6	34.9	18.9	12.2	9.4	7.8	6.7	6.1	5.5	5.5
60°	976.1	655.0	27.2	15.0	10.0	7.8	6.7	5.5	5.0	4.4	3.9
62.5°	977.8	611.7	20.0	11.1	7.8	6.7	5.5	4.4	2.8	2.2	1.7
65°	984.4	566.3	14.4	8.3	5.5	5.0	3.9	2.2	1.1	0.0	0.0
67.5°	961.1	512.5	11.6	6.1	3.9	2.8	1.7	0.6	0.0	0.0	0.0
70°	866.3	432.6	8.9	4.4	2.8	1.7	0.6	0.0	0.0	0.0	0.0
72.5°	620.1	281.2	6.1	3.3	1.1	0.6	0.0	0.0	0.0	0.0	0.0
75°	330.5	119.8	4.4	2.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	103.7	30.5	2.8	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	22.7	8.3	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.8	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.8	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	0.6	0.6	0.0	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)