

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: P674613

Luminaire Tested: **CCP-SA-1A-835-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674613
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-835-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

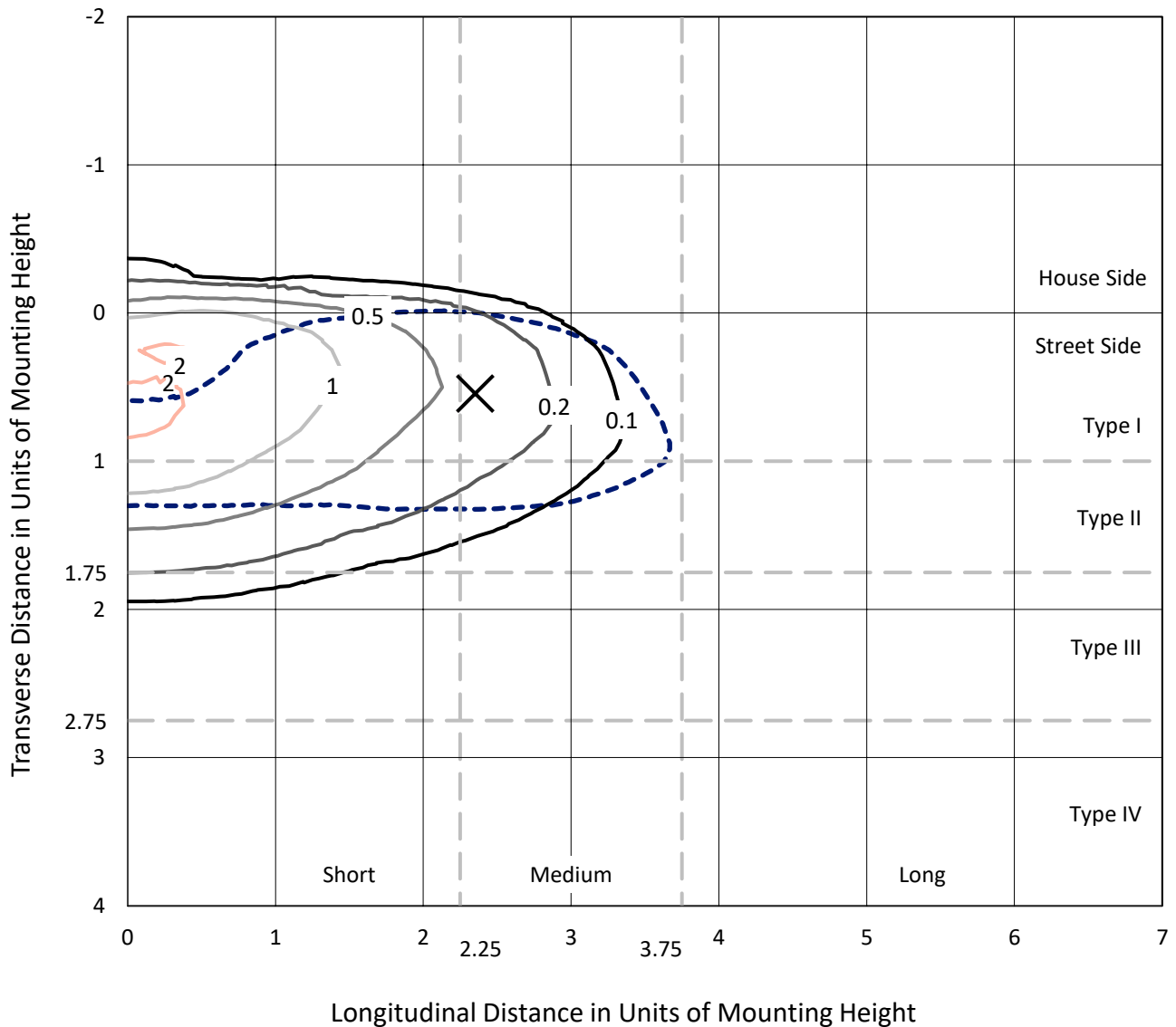
Lumens per Lamp: N/A
Luminaire Lumens: 1825.3 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

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

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Iso-Footcandle Lines of Horizontal Illumination

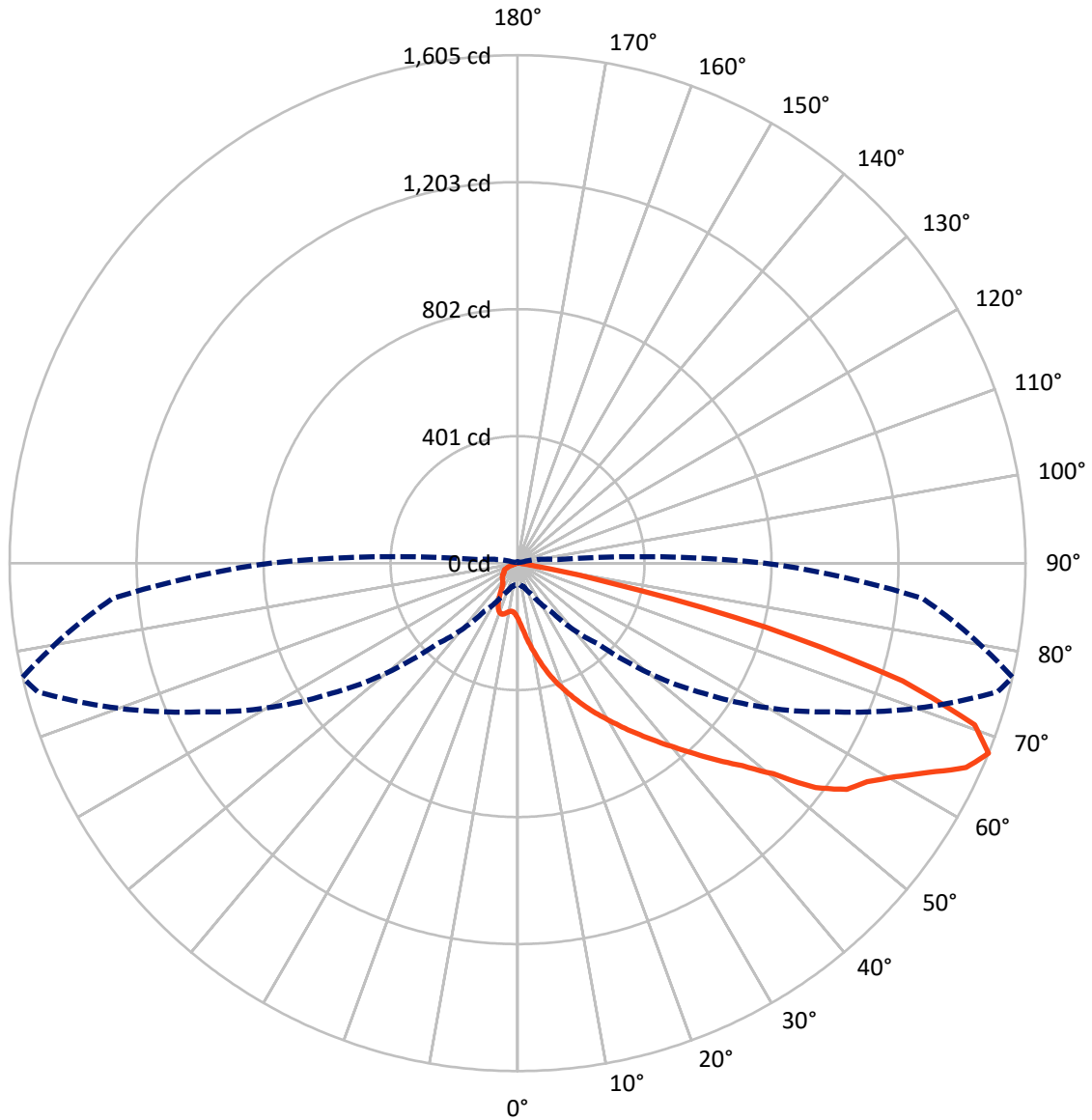
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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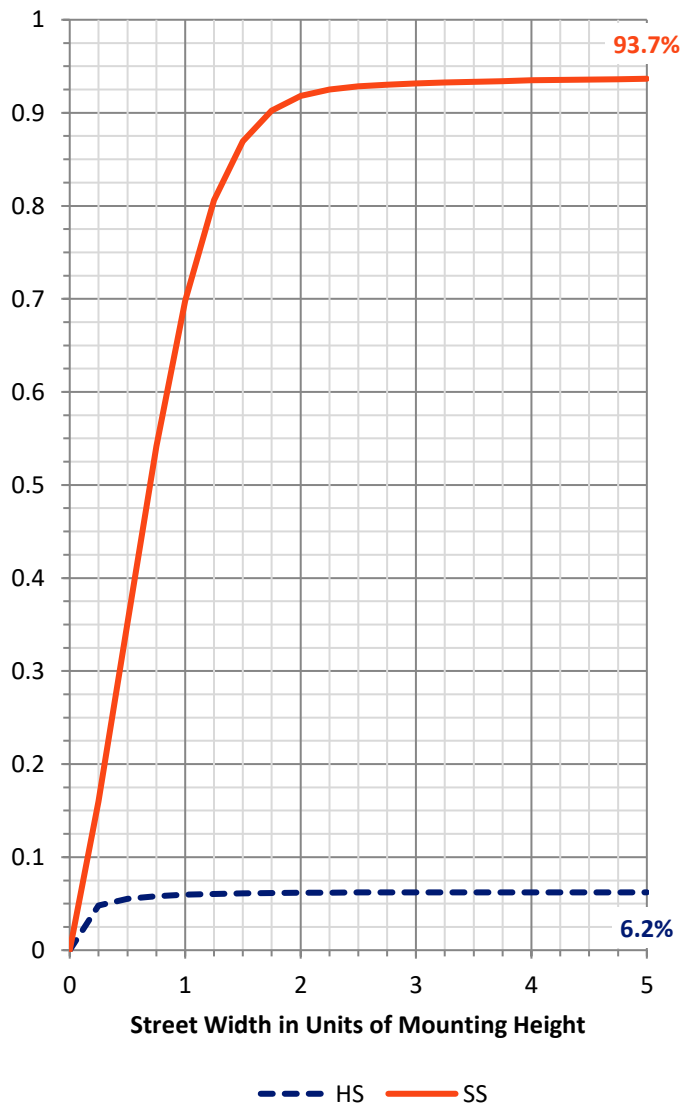
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	114.1	0.0	114.1
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	1711.3	0.0	1711.3
	% Fixture	93.8	0.0	93.8
Total	Lumens	1825.3	0.0	1825.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	1.1
10°-20°	76.0	4.2
20°-30°	148.4	8.1
30°-40°	259.5	14.2
40°-50°	378.5	20.7
50°-60°	442.6	24.2
60°-70°	358.8	19.7
70°-80°	134.8	7.4
80°-90°	6.1	0.3
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°	1825.3	100.0
0°-180°	1825.3	100.0

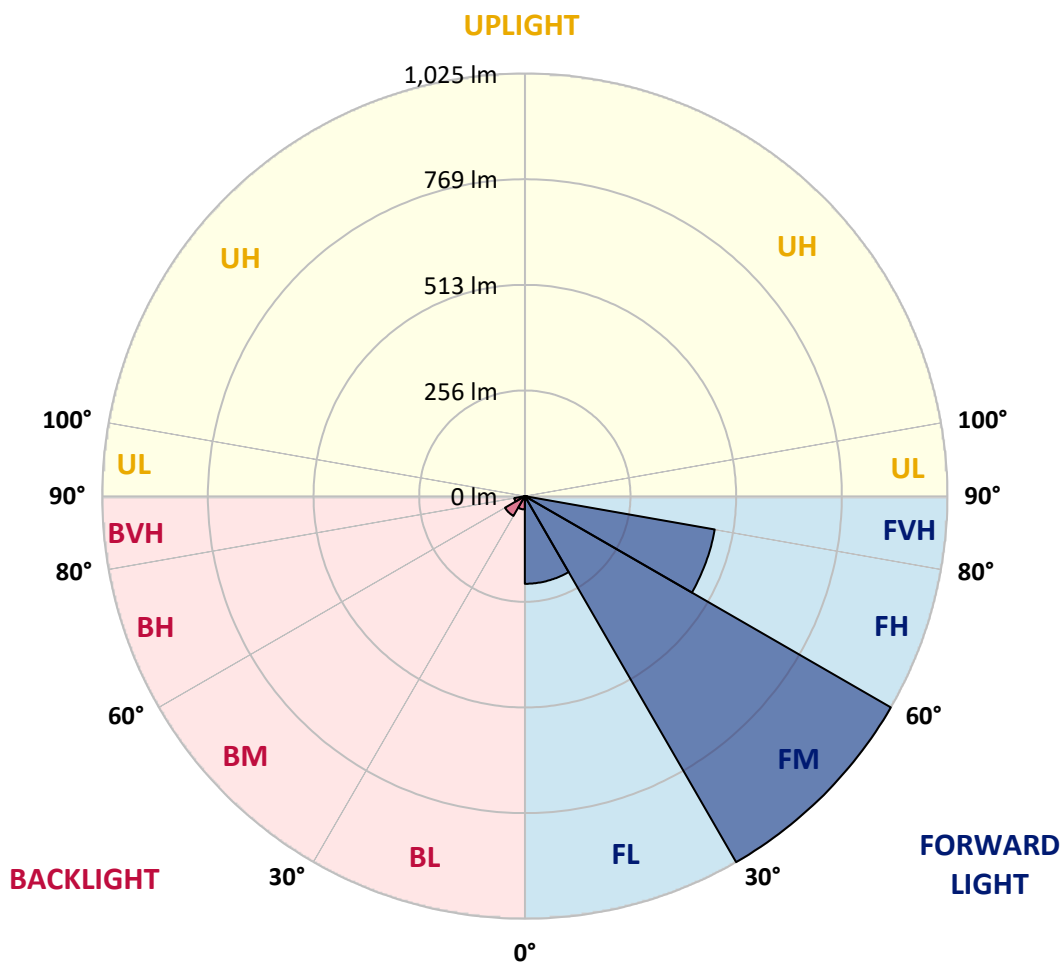


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.6	11.6			
FM (30°-60°)	1025.1	56.2			
FH (60°-80°)	467.7	25.6			G0/660
FVH (80°-90°)	5.8	0.3			G0/10
BL (0°-30°)	32.3	1.8	B0/110		
BM (30°-60°)	55.5	3.0	B0/220		
BH (60°-80°)	25.9	1.4	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-G0
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8
2.5°	262.5	252.9	254.7	250.8	245.7	233.8	221.3	208.8	197.6	195.1	183.9
5°	336.2	333.2	330.1	327.4	316.7	301.9	279.3	250.6	224.8	220.3	197.1
7.5°	393.3	388.9	391.7	383.6	372.4	358.1	329.4	298.7	258.9	252.3	216.2
10°	435.5	433.0	434.4	430.6	425.1	410.8	382.5	344.1	297.9	285.4	237.6
12.5°	467.2	467.6	473.4	473.7	469.3	457.6	427.6	387.6	333.3	322.1	261.3
15°	490.2	490.7	497.8	505.4	510.5	504.4	477.2	432.4	375.0	359.7	286.2
17.5°	494.0	494.3	506.9	522.2	538.0	543.3	522.4	476.9	413.1	395.6	314.7
20°	496.5	499.3	510.5	528.1	553.2	569.5	558.1	519.6	450.0	429.7	342.7
22.5°	526.5	526.5	533.1	545.6	565.5	591.1	588.8	558.8	485.9	465.8	370.6
25°	590.1	590.1	583.7	580.4	591.1	611.2	616.9	600.6	527.0	503.2	399.9
27.5°	674.3	674.3	664.2	640.0	630.8	639.2	645.3	637.0	564.9	541.5	430.9
30°	761.6	764.6	747.1	716.3	684.0	677.6	671.6	669.8	605.2	578.9	462.4
32.5°	849.3	848.9	827.2	788.8	746.6	723.9	704.6	702.5	648.1	622.2	492.2
35°	919.3	919.5	896.6	857.2	808.4	779.4	748.4	738.4	695.0	666.2	527.8
37.5°	979.9	976.5	951.8	914.4	868.9	838.9	800.3	774.1	743.7	714.3	563.4
40°	1014.7	1010.1	986.0	950.5	916.0	893.1	859.2	817.3	797.0	765.4	603.9
42.5°	1019.8	1015.9	999.9	978.5	950.3	930.2	921.1	866.1	853.1	824.4	652.4
45°	1005.5	999.1	993.8	982.6	974.7	965.0	977.3	918.0	917.3	888.8	700.3
47.5°	969.9	961.2	962.5	974.8	983.7	992.5	1031.0	986.0	982.1	955.4	763.3
50°	909.1	904.8	919.3	943.7	979.0	1013.9	1084.6	1055.6	1071.2	1046.2	850.1
52.5°	785.5	790.8	834.1	892.8	953.7	1023.9	1134.8	1159.4	1199.4	1178.8	937.4
55°	637.2	635.2	693.1	797.2	894.6	1017.5	1156.8	1220.5	1283.5	1261.9	986.0
57.5°	513.3	516.7	555.8	658.8	794.2	967.9	1161.9	1252.5	1317.3	1302.9	1031.0
60°	385.3	388.6	424.1	513.8	660.8	864.4	1119.7	1263.7	1380.7	1369.8	1102.9
62.5°	245.2	249.5	285.2	372.4	505.1	703.6	1024.9	1252.0	1446.9	1456.0	1200.9
65°	120.6	124.4	150.8	217.5	337.6	526.1	892.8	1207.3	1531.3	1557.2	1279.5
67.5°	66.7	68.5	77.6	110.7	188.3	360.9	717.5	1111.9	1570.0	1604.6	1284.8
70°	51.9	52.4	55.9	64.6	91.8	211.7	510.3	953.1	1489.8	1531.6	1177.8
72.5°	43.7	44.3	46.0	48.9	57.3	110.2	320.7	736.6	1253.5	1272.4	911.2
75°	32.0	33.0	37.6	40.2	45.3	66.9	141.4	442.6	828.3	809.7	509.8
77.5°	26.9	27.7	28.8	32.6	37.4	45.6	49.6	185.5	337.1	293.1	133.8
80°	18.3	19.3	22.4	24.4	31.6	30.2	20.6	49.8	67.7	55.2	25.7
82.5°	13.0	13.8	15.5	19.9	22.9	16.0	11.2	15.2	16.3	15.5	8.4
85°	4.1	5.3	11.2	16.5	12.4	5.4	7.1	5.8	5.1	4.9	3.3
87.5°	0.8	0.8	5.6	6.6	4.9	2.8	2.5	1.8	2.3	2.3	1.8
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°	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8
2.5°	178.6	171.2	160.5	150.4	140.2	133.0	127.9	122.8	120.8	120.0	117.8
5°	186.5	172.4	151.1	134.0	121.4	113.5	108.8	104.6	102.0	101.2	100.0
7.5°	197.9	177.5	147.0	127.2	114.7	106.1	98.4	89.5	82.4	79.6	78.4
10°	210.3	185.2	147.6	125.9	109.2	90.5	73.2	58.8	52.6	50.3	48.6
12.5°	228.4	193.8	150.4	124.4	92.9	64.6	46.8	40.9	39.4	39.1	38.7
15°	246.5	205.8	155.1	114.5	69.4	44.0	38.9	36.7	35.9	35.1	35.1
17.5°	264.8	217.3	156.9	95.2	48.0	38.1	35.4	33.6	32.3	31.6	31.1
20°	285.4	229.5	151.6	71.7	38.4	34.8	31.8	29.7	28.5	27.8	27.4
22.5°	307.6	241.6	140.1	49.9	34.9	31.3	28.5	26.4	25.2	24.6	24.4
25°	328.6	251.9	121.6	37.6	31.5	28.0	25.4	23.6	22.7	22.1	21.9
27.5°	350.2	260.8	97.5	33.1	28.7	25.4	22.7	21.3	20.4	19.9	19.8
30°	371.2	266.9	72.7	30.3	26.2	22.9	20.6	19.4	18.6	18.1	18.0
32.5°	393.0	270.4	49.1	27.8	23.7	20.8	18.8	17.6	17.1	16.6	16.6
35°	413.9	269.9	35.4	25.5	21.8	18.8	17.0	16.1	16.0	15.5	15.5
37.5°	436.8	266.4	30.2	23.4	19.6	17.0	15.5	15.0	14.8	14.5	14.3
40°	462.9	258.7	27.5	21.8	17.8	15.5	14.2	13.8	13.7	13.3	13.3
42.5°	491.4	248.7	26.0	19.9	16.3	14.0	13.0	12.5	12.4	12.0	12.0
45°	524.5	239.1	25.0	18.1	15.0	12.9	11.9	11.4	11.2	10.9	10.9
47.5°	569.6	233.7	23.4	16.5	13.5	11.7	10.7	10.4	10.1	9.7	9.7
50°	631.8	227.2	21.3	14.8	12.4	10.5	9.9	9.4	9.2	8.9	8.9
52.5°	682.8	213.6	19.1	13.2	11.0	9.7	9.1	8.7	8.4	8.2	8.2
55°	700.8	197.6	17.0	11.9	10.1	9.1	8.4	8.1	7.9	7.7	7.7
57.5°	729.5	192.5	15.0	10.5	9.1	8.4	7.7	7.6	7.4	7.3	7.1
60°	778.4	195.4	13.2	9.4	8.2	7.6	7.1	6.9	6.6	6.3	6.3
62.5°	825.9	191.8	11.2	8.2	7.1	6.8	6.3	5.9	5.3	4.8	4.4
65°	837.4	167.6	9.7	6.9	5.9	5.6	5.1	4.4	3.5	2.8	2.8
67.5°	781.6	127.4	8.4	5.9	4.9	4.6	3.6	3.0	2.1	1.6	1.6
70°	644.9	80.7	6.9	4.6	4.1	3.1	2.3	2.1	1.5	1.3	1.2
72.5°	465.3	44.2	5.8	3.8	3.0	2.0	1.6	1.3	1.0	0.7	0.7
75°	235.6	20.8	4.3	3.0	2.0	1.3	1.0	0.7	0.7	0.5	0.5
77.5°	66.7	9.6	2.8	2.0	1.3	0.8	0.7	0.5	0.5	0.3	0.3
80°	13.2	4.8	1.8	1.3	1.0	0.7	0.5	0.3	0.3	0.2	0.2
82.5°	4.8	2.5	1.3	1.0	0.8	0.7	0.3	0.2	0.2	0.0	0.0
85°	2.5	1.3	1.0	0.8	0.7	0.5	0.3	0.2	0.0	0.0	0.0
87.5°	1.3	1.0	0.8	0.8	0.7	0.5	0.3	0.2	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)