

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: P674525

Luminaire Tested: **CCP-SA-1A-727-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674525
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-727-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

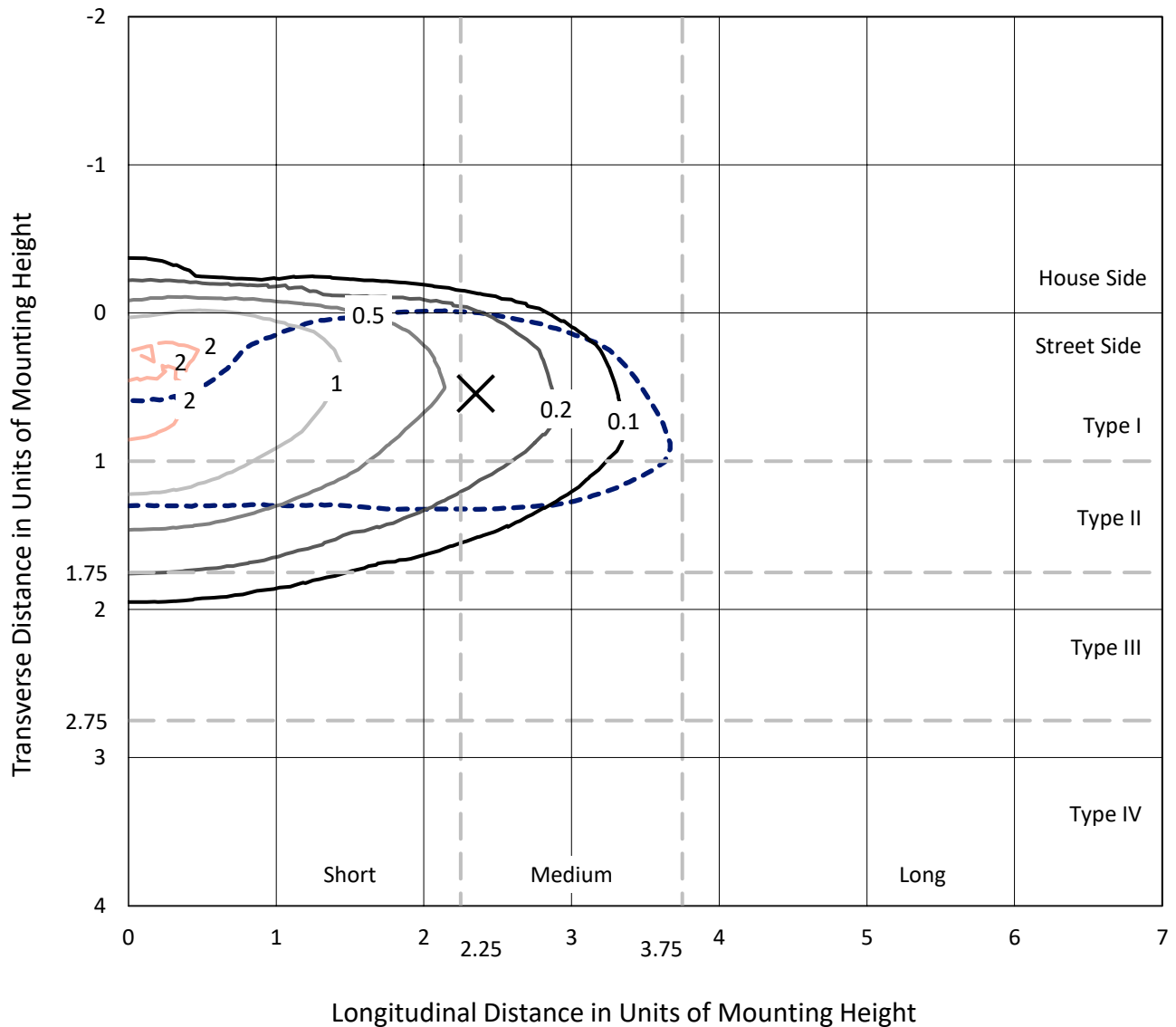
Lumens per Lamp: N/A
Luminaire Lumens: 1852.6 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

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

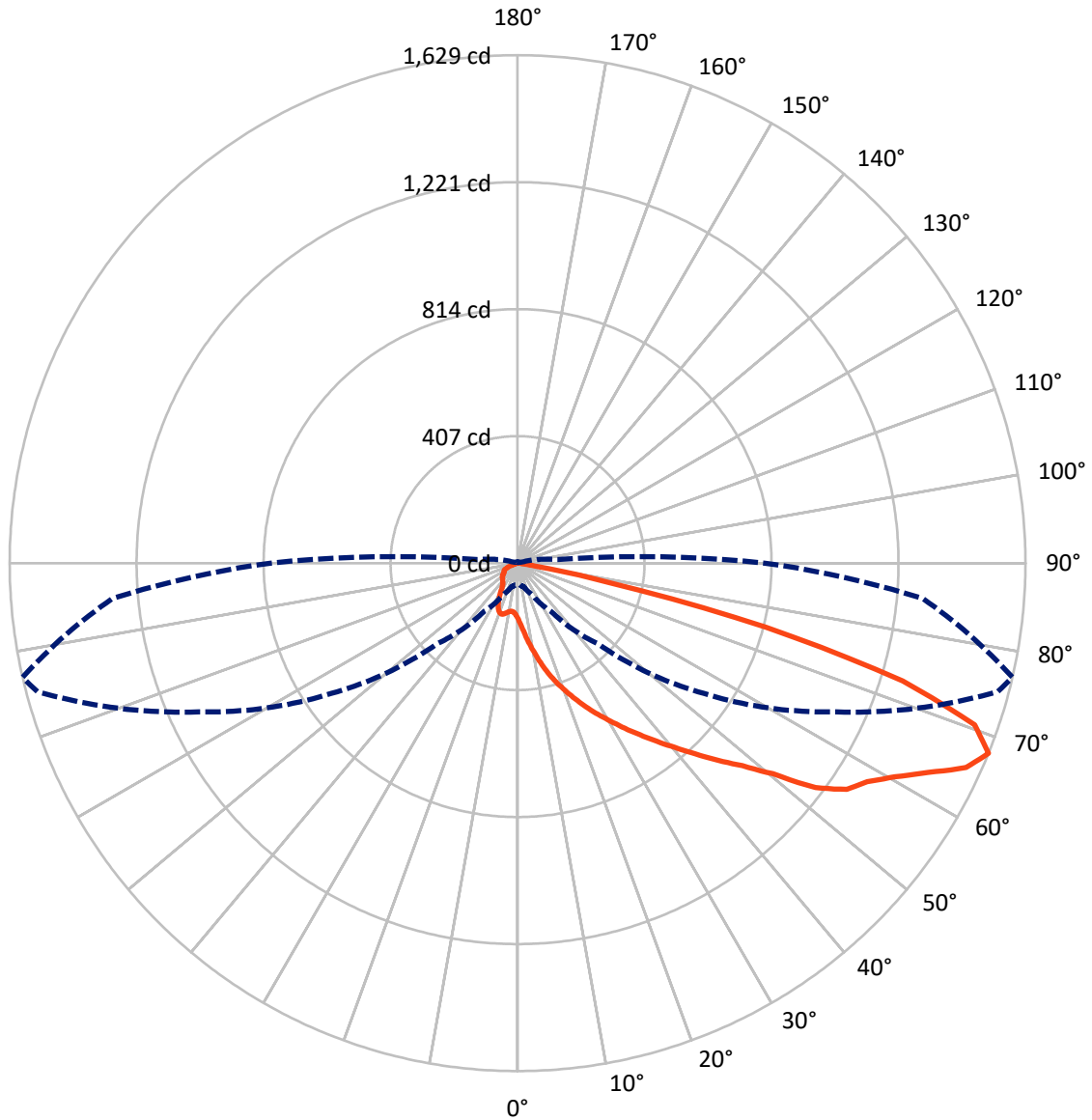
× Max cd
 - - - 1/2 Max cd



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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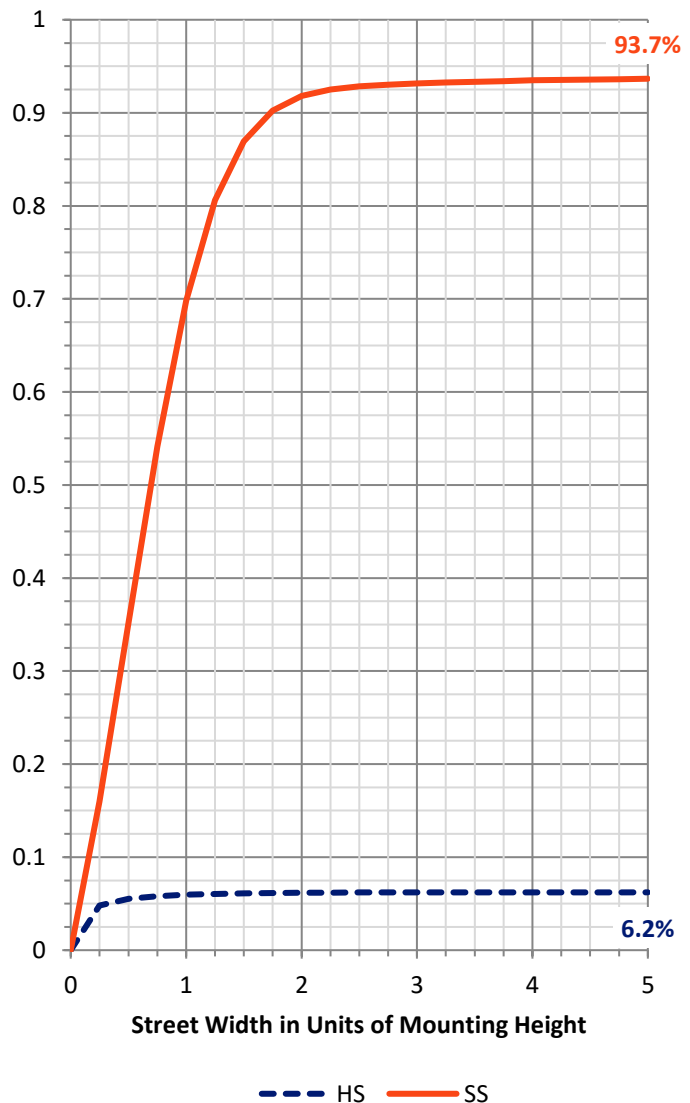
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	115.8	0.0	115.8
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	1736.8	0.0	1736.8
	% Fixture	93.8	0.0	93.8
Total	Lumens	1852.6	0.0	1852.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	1.1
10°-20°	77.1	4.2
20°-30°	150.7	8.1
30°-40°	263.4	14.2
40°-50°	384.2	20.7
50°-60°	449.2	24.2
60°-70°	364.2	19.7
70°-80°	136.8	7.4
80°-90°	6.2	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°	1852.6	100.0
0°-180°	1852.6	100.0



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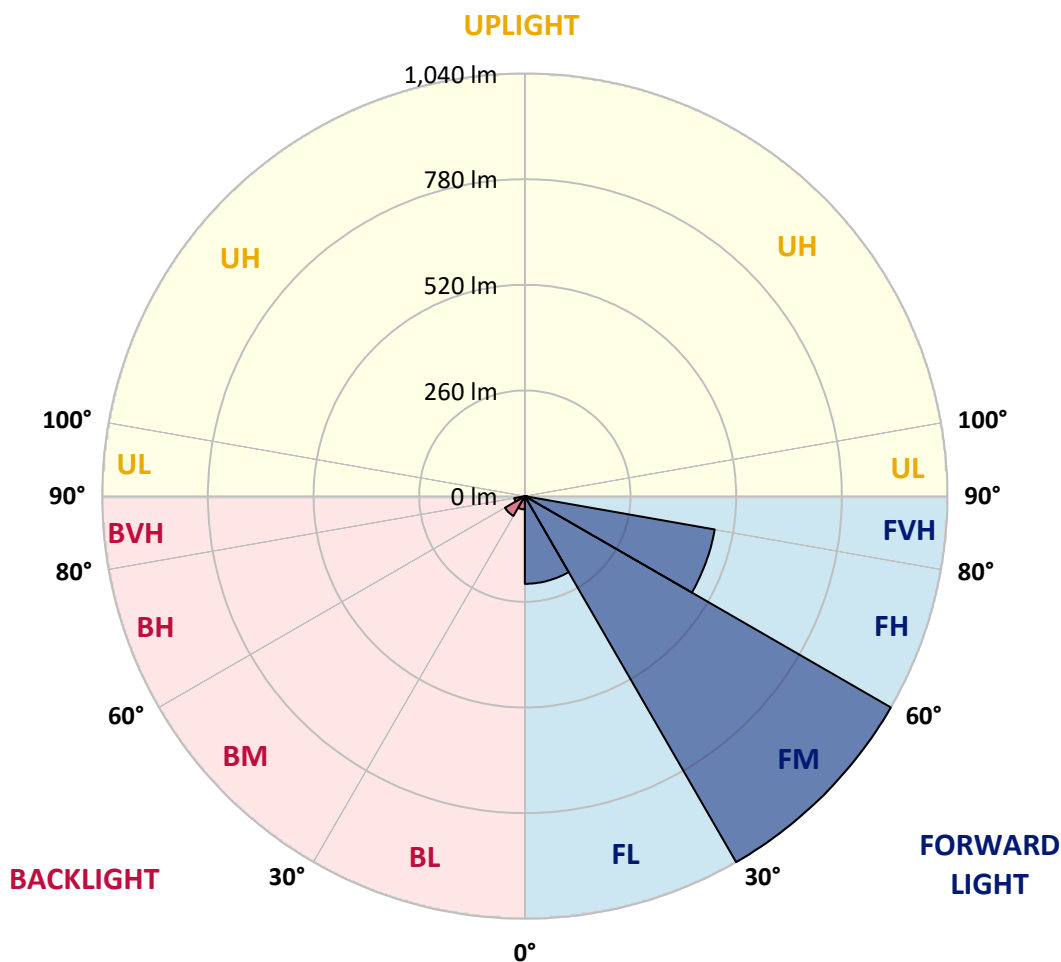
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.8	11.6			
FM (30°-60°)	1040.4	56.2			
FH (60°-80°)	474.7	25.6			G0/660
FVH (80°-90°)	5.9	0.3			G0/10
BL (0°-30°)	32.8	1.8	B0/110		
BM (30°-60°)	56.3	3.0	B0/220		
BH (60°-80°)	26.3	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°	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4
2.5°	266.4	256.7	258.6	254.5	249.4	237.3	224.6	211.9	200.5	198.0	186.6
5°	341.2	338.2	335.0	332.3	321.4	306.4	283.5	254.4	228.1	223.6	200.0
7.5°	399.2	394.7	397.5	389.3	378.0	363.4	334.3	303.2	262.7	256.0	219.4
10°	442.0	439.5	440.8	437.0	431.5	416.9	388.2	349.2	302.4	289.7	241.2
12.5°	474.1	474.6	480.5	480.8	476.3	464.4	434.0	393.3	338.3	327.0	265.2
15°	497.5	498.0	505.2	512.9	518.1	511.9	484.3	438.8	380.6	365.1	290.5
17.5°	501.4	501.7	514.4	530.0	546.0	551.4	530.1	484.0	419.3	401.5	319.4
20°	503.9	506.7	518.1	536.0	561.4	578.0	566.4	527.3	456.7	436.2	347.9
22.5°	534.3	534.3	541.0	553.7	574.0	599.9	597.5	567.1	493.2	472.8	376.1
25°	598.9	598.9	592.4	589.0	599.9	620.3	626.1	609.6	534.8	510.7	405.9
27.5°	684.3	684.3	674.1	649.6	640.2	648.7	654.9	646.5	573.3	549.5	437.3
30°	773.0	776.0	758.3	727.0	694.2	687.7	681.7	679.8	614.3	587.5	469.3
32.5°	862.0	861.6	839.5	800.6	757.8	734.7	715.1	712.9	657.8	631.5	499.5
35°	933.0	933.2	910.0	870.0	820.5	791.0	759.6	749.4	705.4	676.1	535.7
37.5°	994.6	991.1	966.0	928.0	881.9	851.4	812.3	785.7	754.8	725.0	571.8
40°	1029.9	1025.2	1000.8	964.6	929.7	906.4	872.0	829.5	808.9	776.8	612.9
42.5°	1035.0	1031.0	1014.8	993.1	964.5	944.1	934.9	879.0	865.8	836.7	662.1
45°	1020.5	1014.0	1008.6	997.2	989.2	979.4	991.9	931.7	931.0	902.1	710.8
47.5°	984.4	975.5	976.8	989.4	998.4	1007.3	1046.4	1000.8	996.7	969.7	774.7
50°	922.7	918.3	933.0	957.8	993.6	1029.0	1100.8	1071.3	1087.2	1061.8	862.8
52.5°	797.2	802.6	846.6	906.1	968.0	1039.2	1151.8	1176.7	1217.3	1196.4	951.4
55°	646.7	644.7	703.4	809.1	907.9	1032.7	1174.0	1238.7	1302.6	1280.7	1000.8
57.5°	521.0	524.5	564.1	668.6	806.1	982.4	1179.2	1271.2	1336.9	1322.4	1046.4
60°	391.0	394.4	430.5	521.5	670.6	877.3	1136.4	1282.6	1401.3	1390.3	1119.3
62.5°	248.9	253.2	289.5	378.0	512.6	714.1	1040.2	1270.7	1468.5	1477.7	1218.8
65°	122.4	126.3	153.0	220.8	342.7	534.0	906.1	1225.4	1554.2	1580.4	1298.6
67.5°	67.7	69.6	78.8	112.4	191.2	366.3	728.2	1128.5	1593.5	1628.6	1304.0
70°	52.7	53.2	56.7	65.6	93.2	214.9	517.9	967.3	1512.0	1554.5	1195.4
72.5°	44.3	45.0	46.7	49.7	58.2	111.9	325.4	747.6	1272.2	1291.4	924.8
75°	32.4	33.4	38.1	40.8	46.0	67.9	143.5	449.2	840.7	821.8	517.4
77.5°	27.3	28.1	29.3	33.1	38.0	46.3	50.3	188.3	342.2	297.5	135.8
80°	18.6	19.6	22.7	24.8	32.1	30.6	20.9	50.5	68.7	56.0	26.1
82.5°	13.2	14.0	15.7	20.2	23.2	16.2	11.4	15.4	16.6	15.7	8.5
85°	4.2	5.4	11.4	16.7	12.5	5.5	7.2	5.9	5.2	5.0	3.3
87.5°	0.8	0.8	5.7	6.7	5.0	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°	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4
2.5°	181.3	173.8	162.9	152.7	142.3	135.0	129.8	124.6	122.6	121.8	119.6
5°	189.3	174.9	153.4	136.0	123.3	115.2	110.4	106.2	103.5	102.7	101.5
7.5°	200.9	180.1	149.2	129.1	116.4	107.7	99.8	90.8	83.6	80.8	79.6
10°	213.4	188.0	149.8	127.8	110.9	91.8	74.3	59.7	53.3	51.0	49.3
12.5°	231.8	196.7	152.7	126.3	94.3	65.6	47.5	41.5	40.0	39.6	39.3
15°	250.2	208.9	157.4	116.2	70.4	44.7	39.5	37.3	36.5	35.6	35.6
17.5°	268.8	220.6	159.2	96.7	48.7	38.6	36.0	34.1	32.8	32.1	31.6
20°	289.7	233.0	153.9	72.7	39.0	35.3	32.3	30.1	28.9	28.3	27.8
22.5°	312.2	245.2	142.2	50.7	35.5	31.8	28.9	26.8	25.6	24.9	24.8
25°	333.5	255.7	123.4	38.1	31.9	28.4	25.8	23.9	23.1	22.4	22.2
27.5°	355.4	264.7	99.0	33.6	29.1	25.8	23.1	21.6	20.7	20.2	20.1
30°	376.8	270.9	73.8	30.8	26.6	23.2	20.9	19.7	18.9	18.4	18.2
32.5°	398.9	274.4	49.8	28.3	24.1	21.1	19.1	17.9	17.4	16.9	16.9
35°	420.1	273.9	36.0	25.9	22.1	19.1	17.2	16.4	16.2	15.7	15.7
37.5°	443.4	270.4	30.6	23.7	19.9	17.2	15.7	15.2	15.1	14.7	14.5
40°	469.8	262.6	27.9	22.1	18.1	15.7	14.4	14.0	13.9	13.5	13.5
42.5°	498.7	252.4	26.4	20.2	16.6	14.2	13.2	12.7	12.5	12.2	12.2
45°	532.3	242.7	25.4	18.4	15.2	13.0	12.0	11.5	11.4	11.0	11.0
47.5°	578.1	237.1	23.7	16.7	13.7	11.9	10.9	10.5	10.2	9.9	9.9
50°	641.2	230.6	21.6	15.1	12.5	10.7	10.0	9.5	9.4	9.0	9.0
52.5°	693.0	216.7	19.4	13.4	11.2	9.9	9.2	8.9	8.5	8.4	8.4
55°	711.3	200.5	17.2	12.0	10.2	9.2	8.5	8.2	8.0	7.9	7.9
57.5°	740.4	195.3	15.2	10.7	9.2	8.5	7.9	7.7	7.5	7.4	7.2
60°	790.0	198.3	13.4	9.5	8.4	7.7	7.2	7.0	6.7	6.4	6.4
62.5°	838.2	194.7	11.4	8.4	7.2	6.9	6.4	6.0	5.4	4.8	4.5
65°	849.9	170.1	9.9	7.0	6.0	5.7	5.2	4.5	3.5	2.8	2.8
67.5°	793.2	129.3	8.5	6.0	5.0	4.7	3.7	3.0	2.2	1.7	1.7
70°	654.6	81.9	7.0	4.7	4.2	3.2	2.3	2.2	1.5	1.3	1.2
72.5°	472.3	44.8	5.9	3.8	3.0	2.0	1.7	1.3	1.0	0.7	0.7
75°	239.2	21.1	4.3	3.0	2.0	1.3	1.0	0.7	0.7	0.5	0.5
77.5°	67.7	9.7	2.8	2.0	1.3	0.8	0.7	0.5	0.5	0.3	0.3
80°	13.4	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)