

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: P674624

Luminaire Tested: **CCP-SA-1A-840-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674624
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-840-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

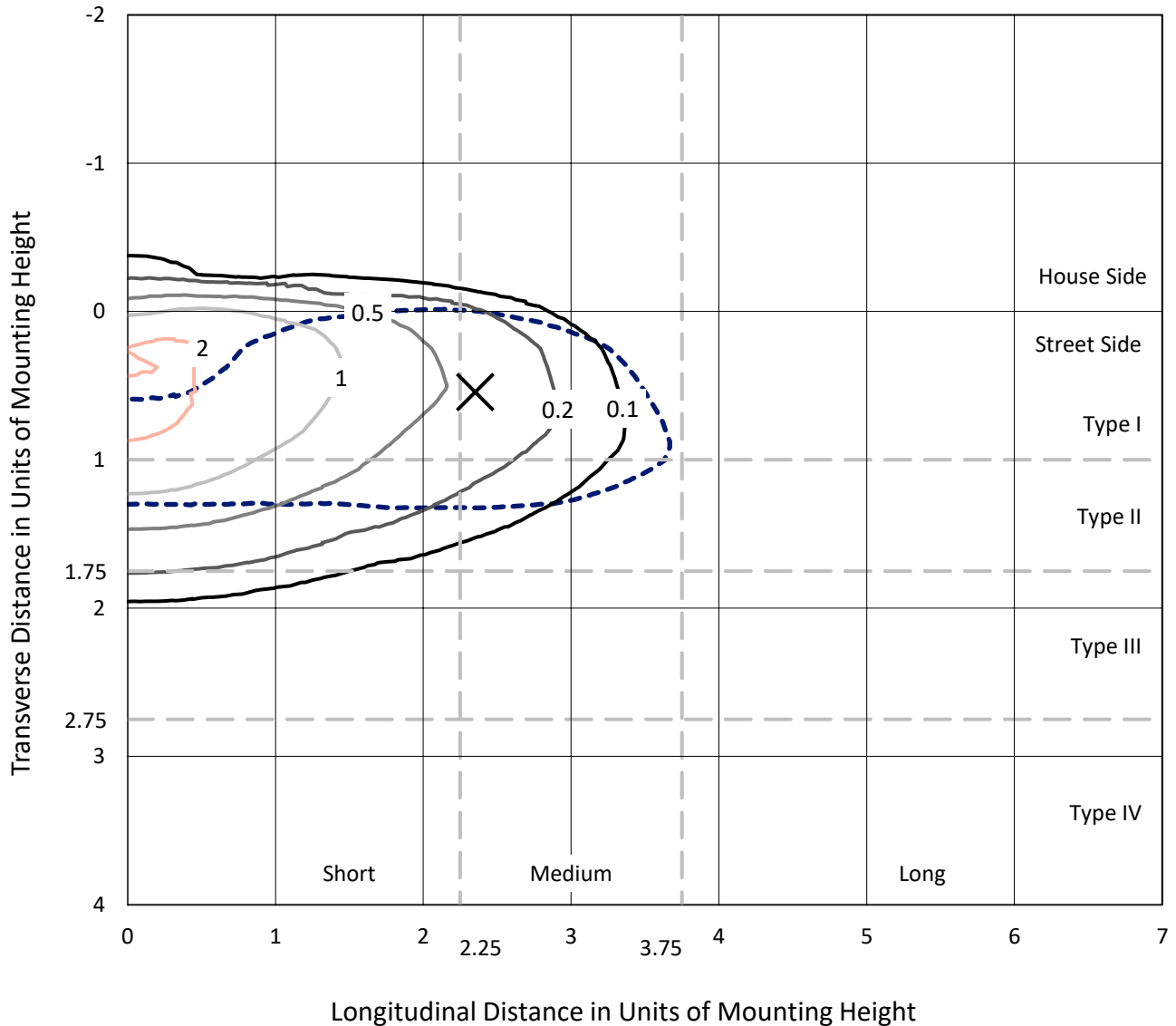
Lumens per Lamp: N/A
Luminaire Lumens: 1888.7 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

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

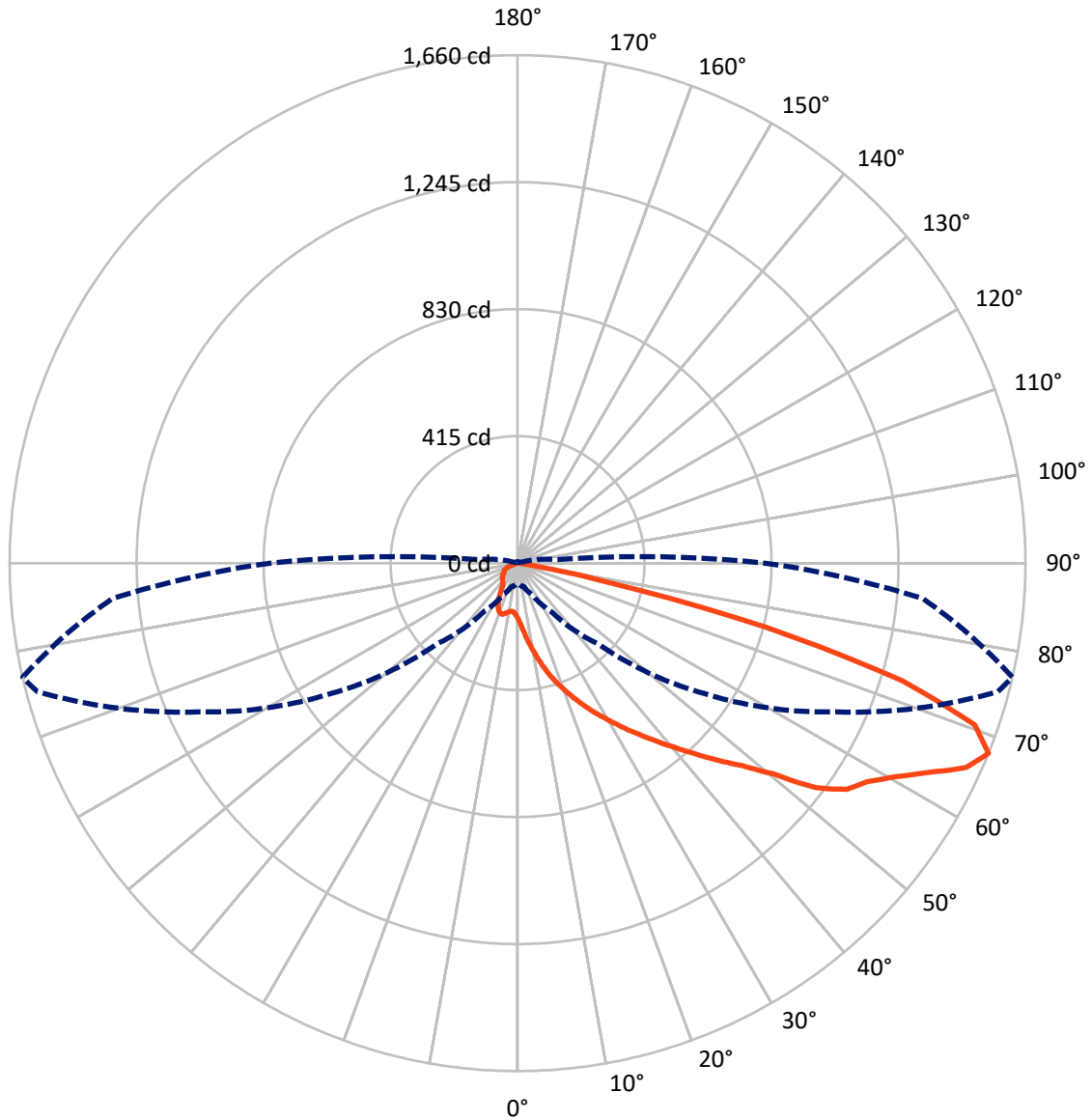
× Max cd
 - - - 1/2 Max cd



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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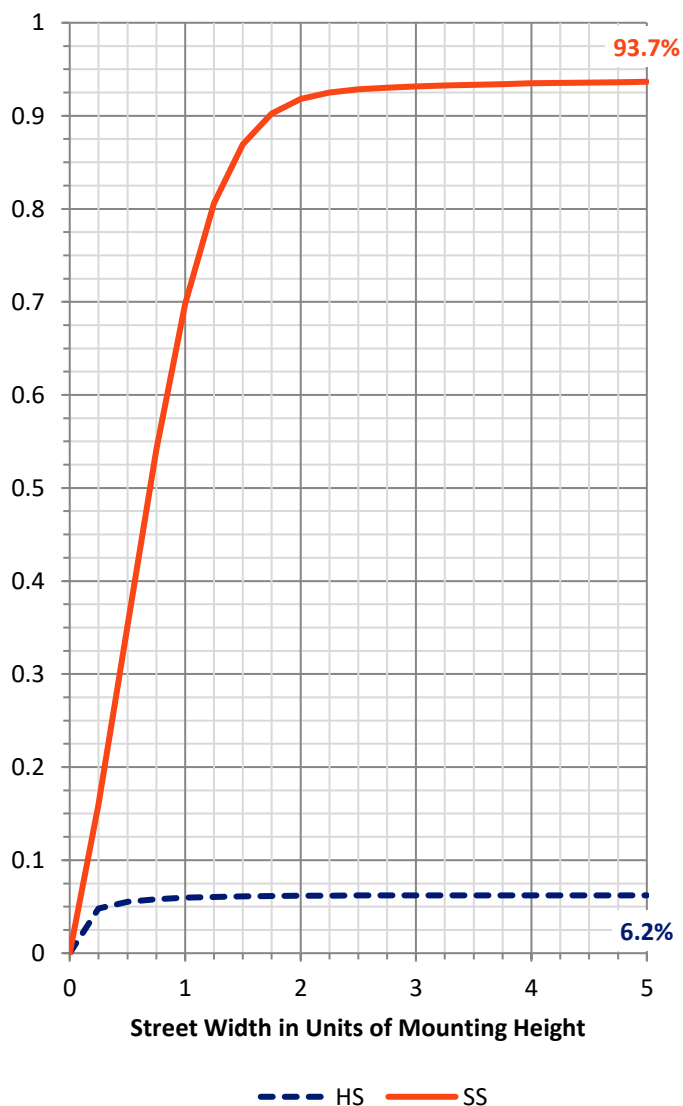
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	118.0	0.0	118.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	1770.7	0.0	1770.7
	% Fixture	93.8	0.0	93.8
Total	Lumens	1888.7	0.0	1888.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	1.1
10°-20°	78.6	4.2
20°-30°	153.6	8.1
30°-40°	268.5	14.2
40°-50°	391.6	20.7
50°-60°	458.0	24.2
60°-70°	371.2	19.7
70°-80°	139.5	7.4
80°-90°	6.3	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°	1888.7	100.0
0°-180°	1888.7	100.0



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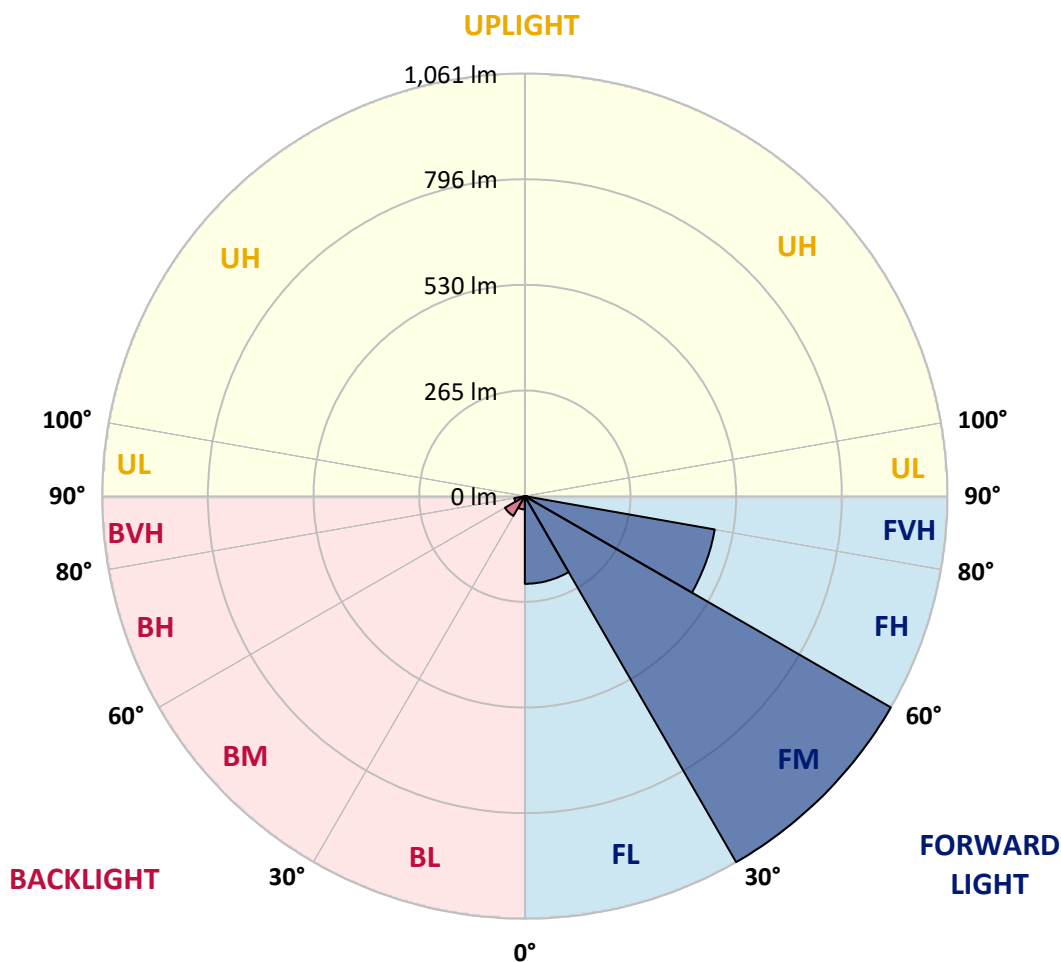
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.0	11.6			
FM (30°-60°)	1060.7	56.2			
FH (60°-80°)	483.9	25.6			G0/660
FVH (80°-90°)	6.0	0.3			G0/10
BL (0°-30°)	33.5	1.8	B0/110		
BM (30°-60°)	57.4	3.0	B0/220		
BH (60°-80°)	26.8	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°	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9
2.5°	271.6	261.7	263.6	259.5	254.2	241.9	229.0	216.0	204.4	201.9	190.3
5°	347.8	344.7	341.5	338.8	327.7	312.4	289.0	259.3	232.6	228.0	203.9
7.5°	407.0	402.4	405.3	396.9	385.3	370.5	340.8	309.1	267.9	261.0	223.7
10°	450.6	448.1	449.4	445.5	439.9	425.1	395.7	356.0	308.3	295.3	245.9
12.5°	483.4	483.9	489.8	490.2	485.6	473.5	442.4	401.0	344.9	333.3	270.4
15°	507.2	507.7	515.1	522.9	528.2	521.9	493.8	447.4	388.1	372.2	296.2
17.5°	511.2	511.5	524.5	540.3	556.7	562.1	540.5	493.4	427.4	409.4	325.7
20°	513.7	516.6	528.2	546.4	572.4	589.2	577.5	537.6	465.6	444.7	354.6
22.5°	544.7	544.7	551.6	564.5	585.2	611.6	609.2	578.2	502.8	482.0	383.5
25°	610.6	610.6	603.9	600.5	611.6	632.4	638.3	621.5	545.3	520.7	413.8
27.5°	697.7	697.7	687.3	662.2	652.7	661.4	667.7	659.1	584.5	560.3	445.9
30°	788.0	791.1	773.0	741.2	707.7	701.1	695.0	693.1	626.2	599.0	478.4
32.5°	878.8	878.4	855.9	816.2	772.5	749.0	729.1	726.8	670.6	643.8	509.3
35°	951.2	951.4	927.7	886.9	836.5	806.5	774.4	764.0	719.2	689.3	546.1
37.5°	1014.0	1010.4	984.8	946.1	899.0	868.0	828.1	801.0	769.5	739.1	582.9
40°	1049.9	1045.2	1020.3	983.4	947.8	924.1	889.0	845.7	824.7	792.0	624.9
42.5°	1055.2	1051.1	1034.6	1012.4	983.3	962.5	953.1	896.1	882.7	853.0	675.0
45°	1040.4	1033.7	1028.3	1016.7	1008.5	998.4	1011.2	949.9	949.2	919.7	724.6
47.5°	1003.6	994.5	995.9	1008.7	1017.9	1026.9	1066.8	1020.3	1016.2	988.6	789.8
50°	940.6	936.2	951.2	976.4	1012.9	1049.1	1122.2	1092.2	1108.4	1082.5	879.6
52.5°	812.8	818.2	863.1	923.8	986.8	1059.5	1174.2	1199.6	1241.1	1219.8	970.0
55°	659.3	657.3	717.1	824.9	925.6	1052.8	1196.9	1262.9	1328.0	1305.7	1020.3
57.5°	531.1	534.7	575.1	681.7	821.8	1001.5	1202.2	1296.0	1363.0	1348.1	1066.8
60°	398.6	402.0	438.9	531.6	683.7	894.4	1158.5	1307.6	1428.6	1417.4	1141.2
62.5°	253.7	258.1	295.1	385.3	522.6	728.0	1060.5	1295.5	1497.2	1506.5	1242.6
65°	124.8	128.7	156.0	225.1	349.4	544.4	923.8	1249.2	1584.4	1611.2	1323.9
67.5°	69.1	70.9	80.3	114.6	194.9	373.4	742.4	1150.5	1624.5	1660.3	1329.4
70°	53.7	54.2	57.8	66.8	95.0	219.1	528.0	986.2	1541.5	1584.8	1218.7
72.5°	45.2	45.9	47.6	50.6	59.3	114.1	331.8	762.1	1297.0	1316.6	942.9
75°	33.1	34.1	38.9	41.6	46.9	69.2	146.3	458.0	857.1	837.8	527.5
77.5°	27.8	28.6	29.8	33.8	38.7	47.2	51.3	192.0	348.8	303.3	138.4
80°	18.9	19.9	23.2	25.2	32.7	31.2	21.3	51.5	70.1	57.1	26.6
82.5°	13.5	14.3	16.0	20.6	23.7	16.5	11.6	15.7	16.9	16.0	8.7
85°	4.3	5.5	11.6	17.0	12.8	5.6	7.3	6.0	5.3	5.1	3.4
87.5°	0.9	0.9	5.8	6.8	5.1	2.9	2.6	1.9	2.4	2.4	1.9
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°	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9
2.5°	184.8	177.1	166.1	155.7	145.1	137.6	132.3	127.0	125.0	124.1	121.9
5°	193.0	178.3	156.3	138.6	125.7	117.5	112.5	108.3	105.5	104.7	103.5
7.5°	204.8	183.6	152.1	131.6	118.7	109.8	101.8	92.6	85.2	82.4	81.2
10°	217.6	191.6	152.8	130.3	113.0	93.6	75.7	60.9	54.4	52.0	50.3
12.5°	236.3	200.5	155.7	128.7	96.2	66.8	48.4	42.3	40.7	40.4	40.1
15°	255.1	213.0	160.4	118.5	71.8	45.5	40.2	38.0	37.2	36.3	36.3
17.5°	274.0	224.9	162.3	98.5	49.6	39.4	36.7	34.8	33.4	32.7	32.2
20°	295.3	237.5	156.9	74.2	39.7	36.0	32.9	30.7	29.5	28.8	28.3
22.5°	318.3	250.0	144.9	51.7	36.1	32.4	29.5	27.3	26.1	25.4	25.2
25°	340.0	260.7	125.8	38.9	32.6	29.0	26.3	24.4	23.5	22.8	22.7
27.5°	362.3	269.9	100.9	34.3	29.7	26.3	23.5	22.0	21.1	20.6	20.5
30°	384.1	276.2	75.2	31.4	27.1	23.7	21.3	20.1	19.3	18.8	18.6
32.5°	406.6	279.8	50.8	28.8	24.6	21.5	19.4	18.2	17.7	17.2	17.2
35°	428.3	279.3	36.7	26.4	22.5	19.4	17.6	16.7	16.5	16.0	16.0
37.5°	452.0	275.7	31.2	24.2	20.3	17.6	16.0	15.5	15.3	15.0	14.8
40°	478.9	267.7	28.5	22.5	18.4	16.0	14.7	14.3	14.2	13.8	13.8
42.5°	508.4	257.3	26.9	20.6	16.9	14.5	13.5	13.0	12.8	12.4	12.4
45°	542.7	247.4	25.9	18.8	15.5	13.3	12.3	11.8	11.6	11.3	11.3
47.5°	589.4	241.8	24.2	17.0	14.0	12.1	11.1	10.7	10.4	10.1	10.1
50°	653.7	235.1	22.0	15.3	12.8	10.9	10.2	9.7	9.5	9.2	9.2
52.5°	706.5	221.0	19.8	13.6	11.4	10.1	9.4	9.0	8.7	8.5	8.5
55°	725.1	204.4	17.6	12.3	10.4	9.4	8.7	8.4	8.2	8.0	8.0
57.5°	754.8	199.1	15.5	10.9	9.4	8.7	8.0	7.8	7.7	7.5	7.3
60°	805.4	202.2	13.6	9.7	8.5	7.8	7.3	7.2	6.8	6.5	6.5
62.5°	854.5	198.5	11.6	8.5	7.3	7.0	6.5	6.1	5.5	4.9	4.6
65°	866.5	173.4	10.1	7.2	6.1	5.8	5.3	4.6	3.6	2.9	2.9
67.5°	808.7	131.8	8.7	6.1	5.1	4.8	3.8	3.1	2.2	1.7	1.7
70°	667.3	83.5	7.2	4.8	4.3	3.2	2.4	2.2	1.5	1.4	1.2
72.5°	481.5	45.7	6.0	3.9	3.1	2.0	1.7	1.4	1.0	0.7	0.7
75°	243.8	21.5	4.4	3.1	2.0	1.4	1.0	0.7	0.7	0.5	0.5
77.5°	69.1	9.9	2.9	2.0	1.4	0.9	0.7	0.5	0.5	0.3	0.3
80°	13.6	4.9	1.9	1.4	1.0	0.7	0.5	0.3	0.3	0.2	0.2
82.5°	4.9	2.6	1.4	1.0	0.9	0.7	0.3	0.2	0.2	0.0	0.0
85°	2.6	1.4	1.0	0.9	0.7	0.5	0.3	0.2	0.0	0.0	0.0
87.5°	1.4	1.0	0.9	0.9	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)