

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: P676473

Luminaire Tested: **CCW-SA-1A-835-U-T3-HSS**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P676473
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-835-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T3 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: 1624 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G0

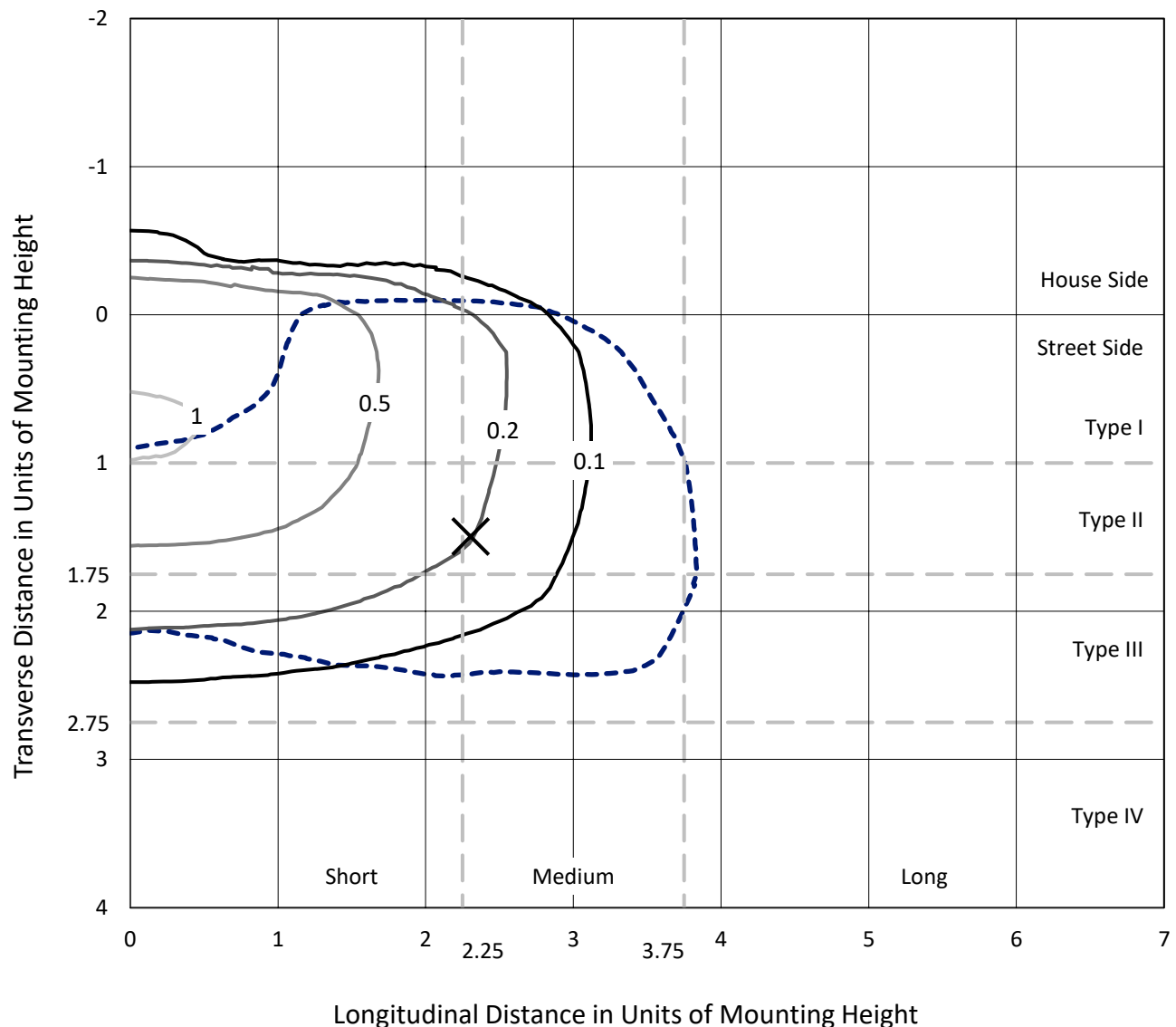
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

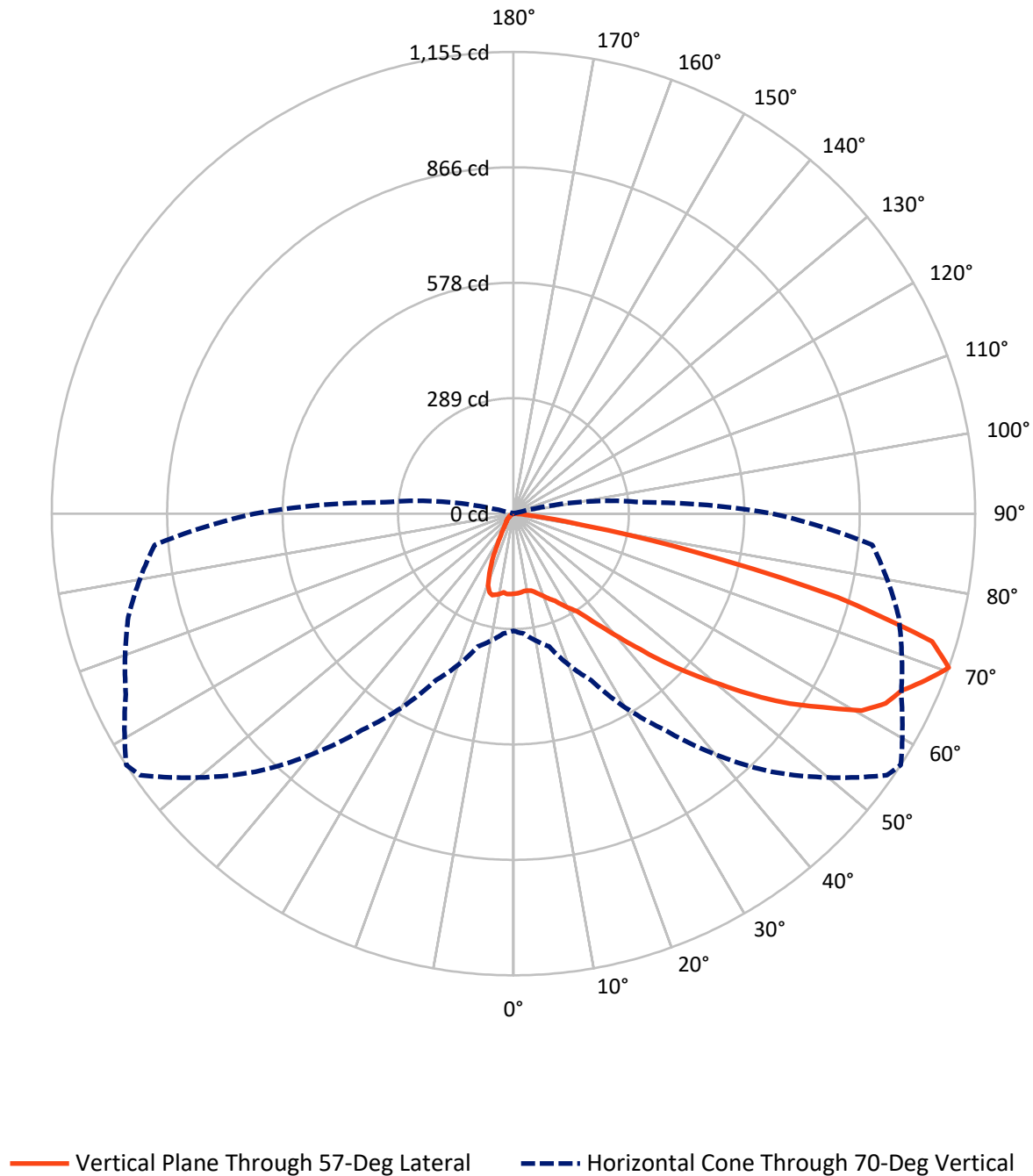
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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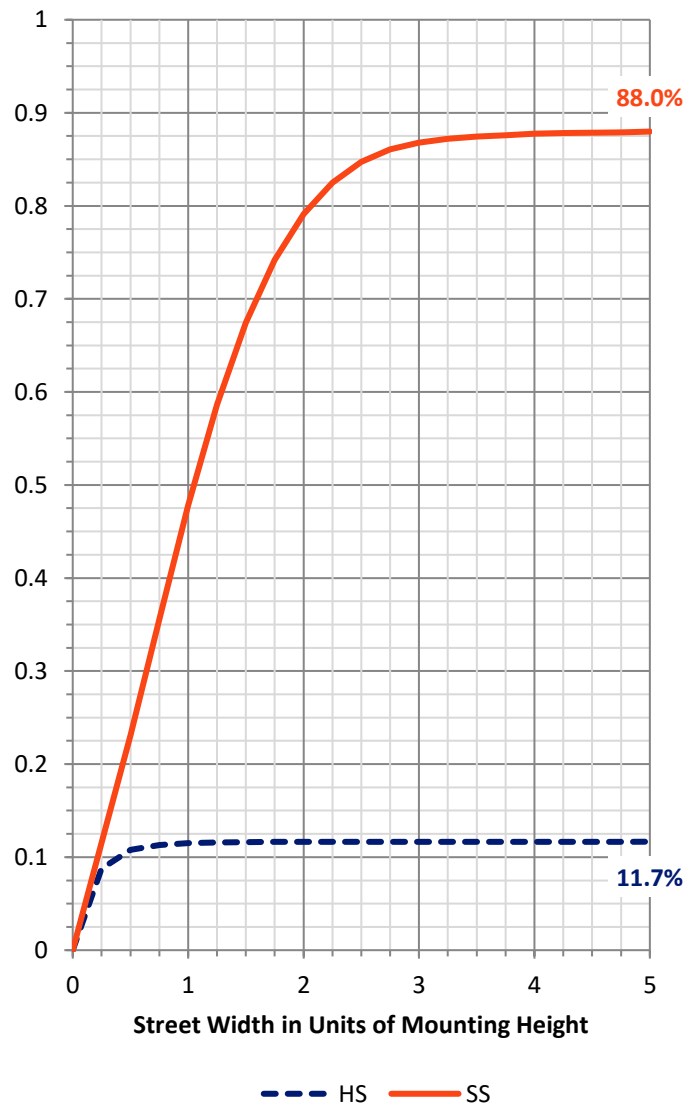
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	191.4	0.0	191.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	1432.6	0.0	1432.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	1624.0	0.0	1624.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	1.2
10°-20°	52.4	3.2
20°-30°	88.2	5.4
30°-40°	150.9	9.3
40°-50°	253.4	15.6
50°-60°	389.0	24.0
60°-70°	449.1	27.7
70°-80°	212.2	13.1
80°-90°	10.1	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°	1624.0	100.0
0°-180°	1624.0	100.0

Coefficient of Utilization



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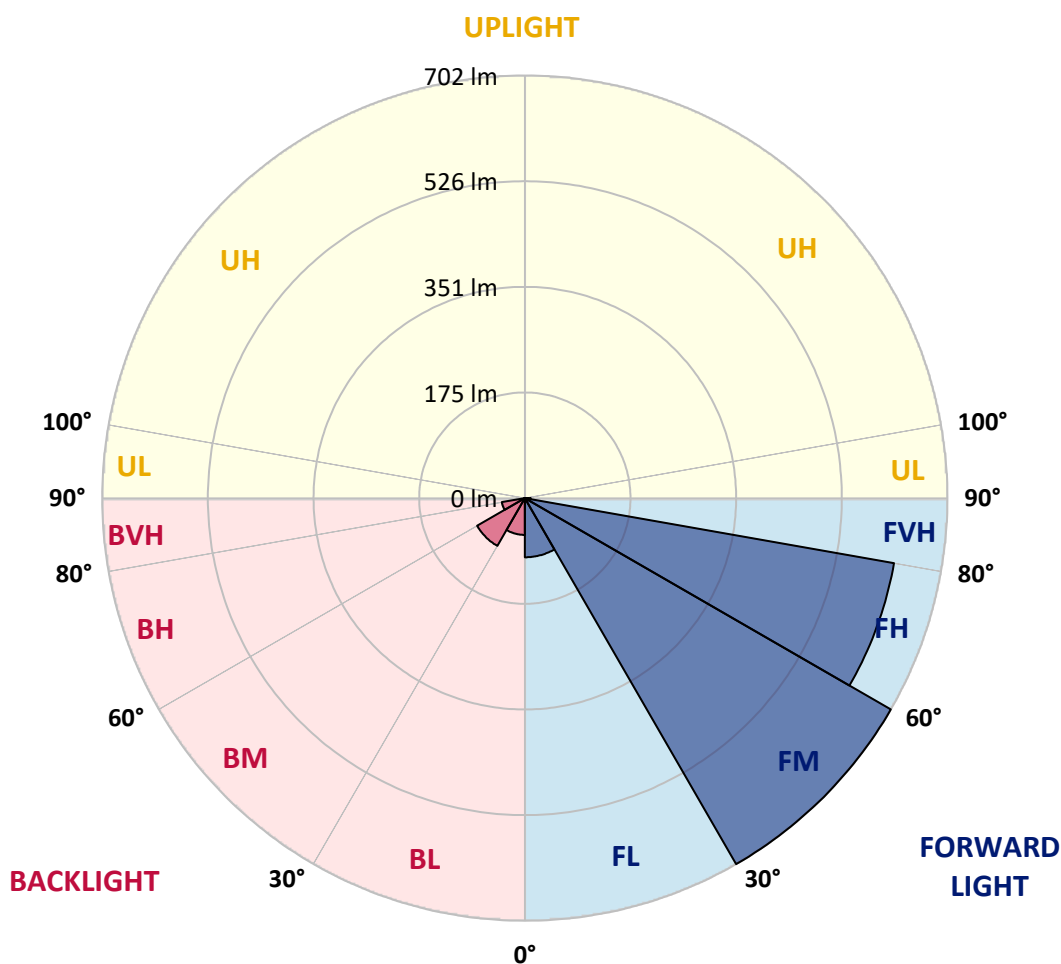
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	98.3	6.0			
FM	(30°-60°)	701.9	43.2			
FH	(60°-80°)	622.6	38.3			G0/660
FVH	(80°-90°)	9.9	0.6			G0/10
BL	(0°-30°)	61.0	3.8	B0/110		
BM	(30°-60°)	91.5	5.6	B0/220		
BH	(60°-80°)	38.7	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-G0

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4
2.5°	197.5	196.2	197.5	199.1	197.5	198.7	198.3	199.6	197.9	197.9	199.1
5°	184.6	186.7	187.5	189.6	191.7	195.4	197.9	197.9	200.4	201.6	203.3
7.5°	180.1	176.7	180.1	181.7	183.8	190.0	193.7	195.4	198.7	203.3	205.8
10°	173.4	175.9	175.9	181.3	184.2	187.9	194.6	195.8	203.3	207.9	210.3
12.5°	173.0	173.0	175.1	178.8	184.6	191.7	200.0	197.5	205.4	213.7	217.8
15°	174.2	177.2	177.2	182.1	186.7	196.7	203.7	204.1	215.3	223.6	227.4
17.5°	179.6	178.4	180.1	183.0	190.0	199.6	211.2	212.4	225.3	236.5	241.9
20°	190.8	192.9	190.4	188.8	191.7	204.1	219.1	221.5	236.1	246.9	252.2
22.5°	232.7	231.1	221.1	209.5	204.5	210.3	226.5	232.3	249.3	262.2	266.8
25°	280.0	277.1	265.5	248.1	225.3	222.8	241.5	241.5	265.9	280.0	278.8
27.5°	324.8	324.0	310.3	292.1	259.7	241.9	253.5	258.1	284.6	296.2	290.8
30°	370.5	371.3	358.9	336.9	302.9	272.6	270.5	274.2	298.7	317.0	305.8
32.5°	423.6	416.1	407.4	377.1	346.0	312.0	292.5	290.8	314.5	331.1	316.1
35°	470.9	466.3	456.8	429.4	393.7	353.1	325.7	321.5	334.4	356.4	340.2
37.5°	512.4	507.8	495.4	477.1	449.3	404.1	365.5	359.3	364.7	387.9	368.4
40°	548.0	549.3	546.0	528.1	502.4	461.3	416.9	407.0	402.4	423.2	401.2
42.5°	573.8	585.8	586.6	564.6	543.9	521.5	471.7	463.8	453.0	470.5	455.1
45°	627.7	621.1	625.2	617.3	594.5	591.2	534.8	530.2	515.3	521.1	504.9
47.5°	670.0	668.8	676.7	663.8	657.6	658.0	606.5	598.7	577.5	588.3	570.0
50°	694.5	687.9	716.5	726.4	725.2	730.2	679.1	672.5	652.2	667.9	628.9
52.5°	700.3	712.3	739.3	775.4	790.8	801.1	758.4	755.9	733.9	743.9	689.9
55°	714.8	726.4	742.2	801.5	858.4	860.9	836.4	838.9	819.4	816.9	748.0
57.5°	714.4	711.9	755.5	824.4	903.2	938.9	925.6	913.6	892.4	867.9	785.4
60°	688.3	687.0	732.3	827.3	927.7	1009.4	1014.8	1000.7	947.6	911.5	829.3
62.5°	636.4	641.4	687.0	802.4	950.9	1034.7	1054.6	1045.1	979.1	940.5	881.2
65°	577.1	566.7	619.8	740.1	898.6	1027.2	1070.4	1067.1	1016.4	972.1	928.9
67.5°	463.0	467.6	508.2	636.8	809.4	999.8	1107.3	1112.3	1046.3	999.8	943.4
70°	293.3	301.6	343.9	460.1	660.9	913.6	1140.5	1155.0	1070.0	997.4	901.1
72.5°	85.5	88.8	146.5	229.4	421.1	732.7	1087.4	1094.9	1023.9	905.3	697.0
75°	28.2	29.9	43.1	74.7	165.1	378.8	803.2	838.5	814.8	656.3	398.7
77.5°	18.7	19.5	23.6	35.7	62.6	118.7	430.6	468.4	459.3	307.4	128.6
80°	13.7	14.1	17.4	24.1	38.2	42.7	158.9	183.8	177.6	70.5	25.7
82.5°	8.7	8.7	12.9	17.0	24.1	21.2	46.1	51.0	49.8	27.0	10.0
85°	5.8	6.2	9.5	13.3	13.3	10.0	13.3	15.4	16.6	14.5	4.6
87.5°	1.7	2.1	5.4	9.1	5.4	5.0	4.6	5.0	5.8	7.9	2.5
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°	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4
2.5°	200.4	202.0	201.6	202.5	201.2	200.0	201.2	201.2	201.2	200.0	199.1
5°	202.0	201.2	202.0	200.4	202.0	200.4	199.6	197.1	196.7	196.7	198.3
7.5°	204.5	205.4	201.6	201.6	197.9	198.7	196.7	197.1	196.2	195.0	194.2
10°	208.3	211.6	207.9	206.6	202.5	199.1	194.2	191.7	191.7	190.0	191.7
12.5°	218.6	217.4	215.3	211.2	206.2	199.6	187.5	175.5	165.5	158.1	161.8
15°	226.9	226.5	223.6	215.7	209.1	188.8	158.5	127.4	110.8	103.3	102.1
17.5°	239.8	238.6	233.6	223.2	201.2	156.4	108.7	82.6	66.4	62.6	61.4
20°	251.8	251.4	240.6	227.4	181.3	114.1	70.9	54.3	49.8	50.2	49.4
22.5°	264.7	262.6	249.8	222.4	144.4	75.9	50.6	48.5	46.9	46.5	47.3
25°	279.2	271.7	258.9	211.2	106.2	52.3	47.7	46.1	44.4	44.0	44.0
27.5°	285.0	280.0	263.0	184.2	67.2	45.6	44.8	42.7	40.7	39.4	39.0
30°	298.3	290.0	267.2	144.8	47.7	41.9	40.7	38.2	35.3	33.2	33.2
32.5°	311.6	301.6	267.6	101.2	39.8	37.8	35.7	32.4	28.6	26.6	27.0
35°	328.2	314.5	263.0	65.6	35.7	33.2	29.0	25.3	22.0	20.3	20.3
37.5°	356.4	343.5	244.4	43.1	32.4	28.2	24.1	19.9	17.0	15.8	15.8
40°	392.1	375.5	218.6	34.0	28.6	24.1	19.1	15.4	13.7	12.4	12.4
42.5°	434.8	414.0	180.5	30.3	25.3	19.9	14.9	12.0	10.4	10.4	10.0
45°	477.5	443.5	141.5	27.8	22.4	16.6	11.6	9.5	8.7	8.3	8.3
47.5°	538.5	479.2	101.2	25.3	19.5	12.9	9.5	7.9	7.1	6.6	7.1
50°	597.0	512.8	71.8	22.8	16.2	10.4	7.9	7.1	6.2	5.8	5.8
52.5°	648.4	536.0	50.2	19.9	13.7	8.7	7.1	6.2	5.8	5.4	5.4
55°	676.7	528.1	34.4	17.0	11.2	7.5	6.2	5.4	5.0	4.6	4.6
57.5°	705.7	506.1	26.1	14.1	9.1	7.1	5.8	5.0	4.6	4.1	4.1
60°	730.2	490.0	20.3	11.2	7.5	5.8	5.0	4.1	3.7	3.3	2.9
62.5°	731.4	457.6	14.9	8.3	5.8	5.0	4.1	3.3	2.1	1.7	1.2
65°	736.4	423.6	10.8	6.2	4.1	3.7	2.9	1.7	0.8	0.0	0.0
67.5°	719.0	383.3	8.7	4.6	2.9	2.1	1.2	0.4	0.0	0.0	0.0
70°	648.0	323.6	6.6	3.3	2.1	1.2	0.4	0.0	0.0	0.0	0.0
72.5°	463.8	210.3	4.6	2.5	0.8	0.4	0.0	0.0	0.0	0.0	0.0
75°	247.3	89.6	3.3	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	77.6	22.8	2.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	17.0	6.2	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.8	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.4	0.4	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)