

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: P673240

Luminaire Tested: **CCP-SA-1A-730-U-T3-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673240
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-730-U-T3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3 distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1794.7 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

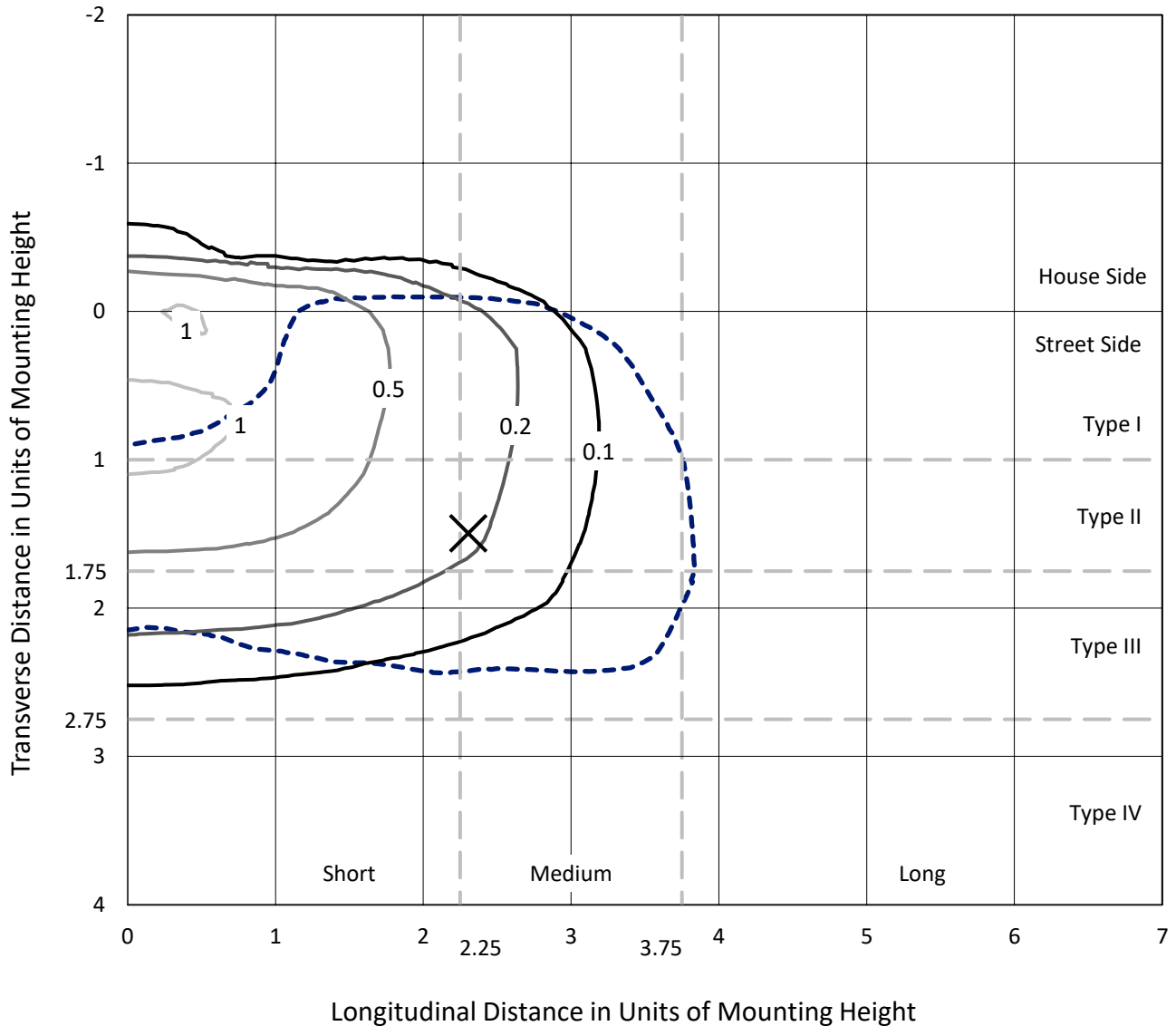
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

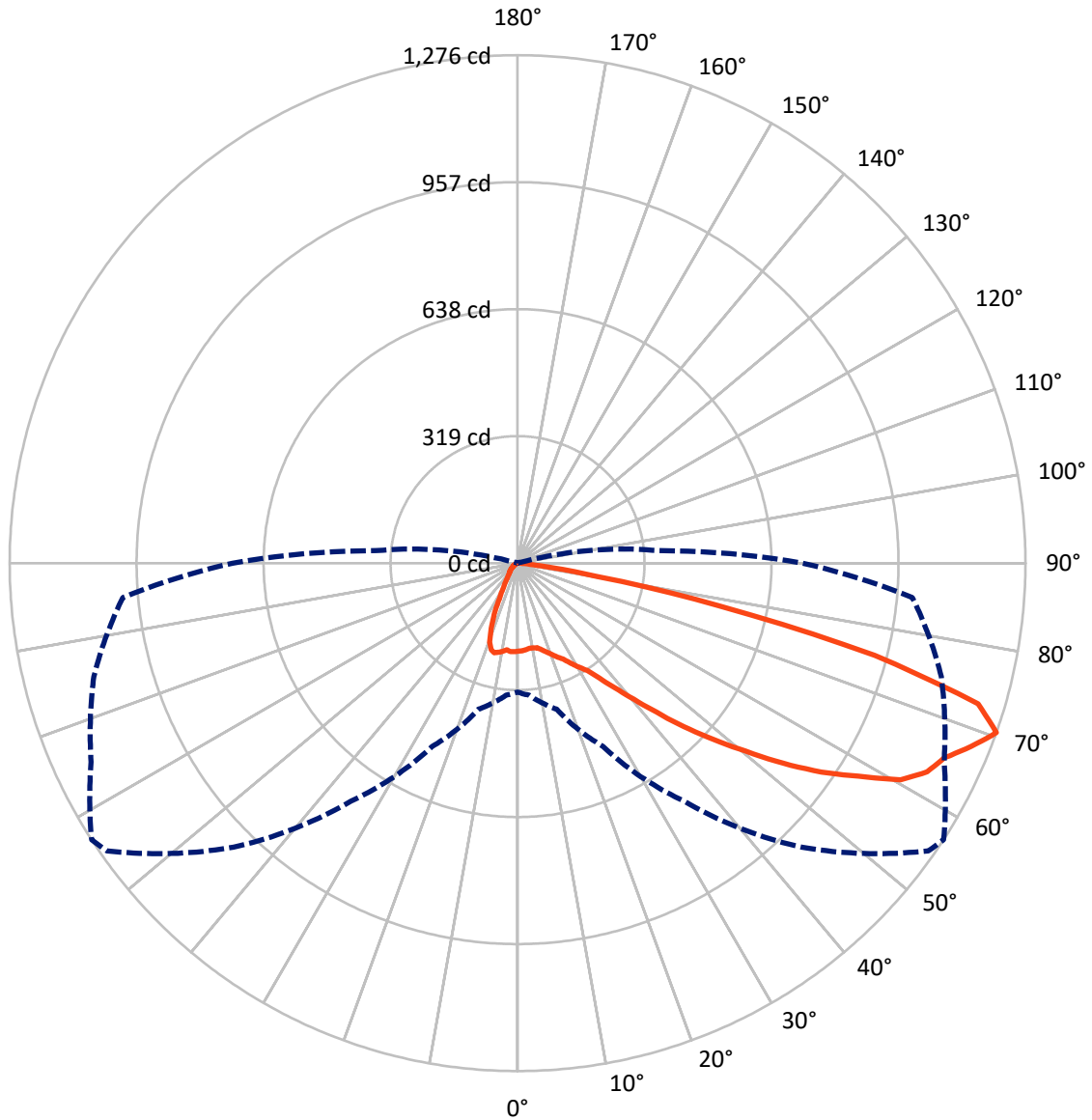
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.3 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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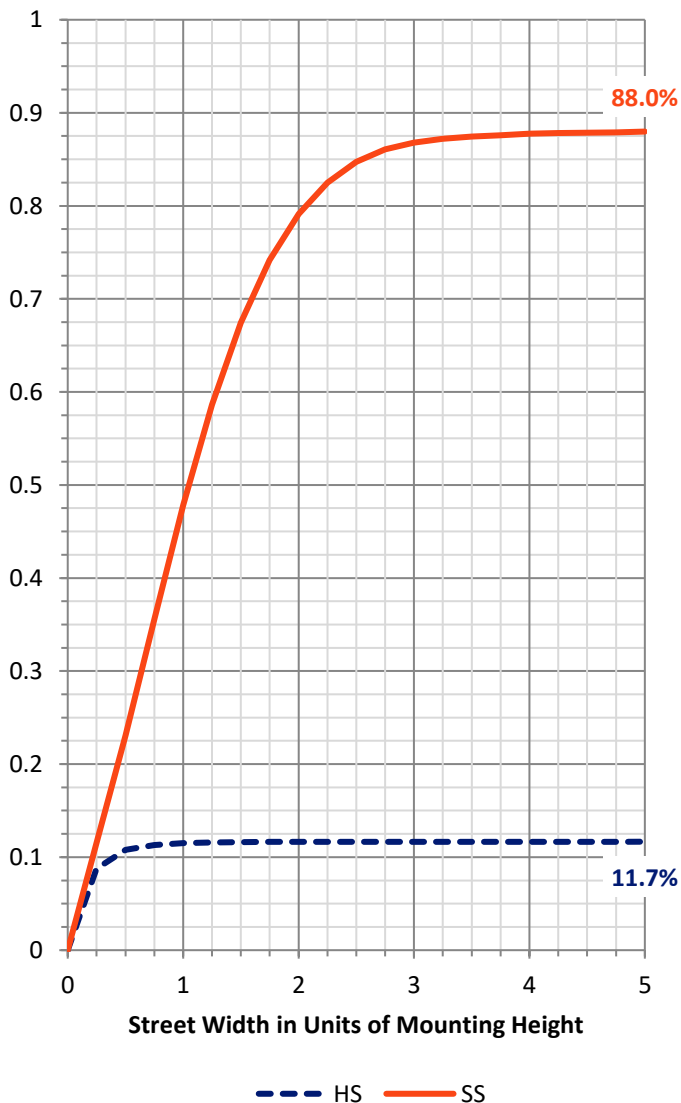
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	211.6	0.0	211.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	1583.2	0.0	1583.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	1794.7	0.0	1794.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	1.2
10°-20°	57.9	3.2
20°-30°	97.5	5.4
30°-40°	166.8	9.3
40°-50°	280.1	15.6
50°-60°	429.9	24.0
60°-70°	496.3	27.7
70°-80°	234.5	13.1
80°-90°	11.1	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°	1794.7	100.0
0°-180°	1794.7	100.0



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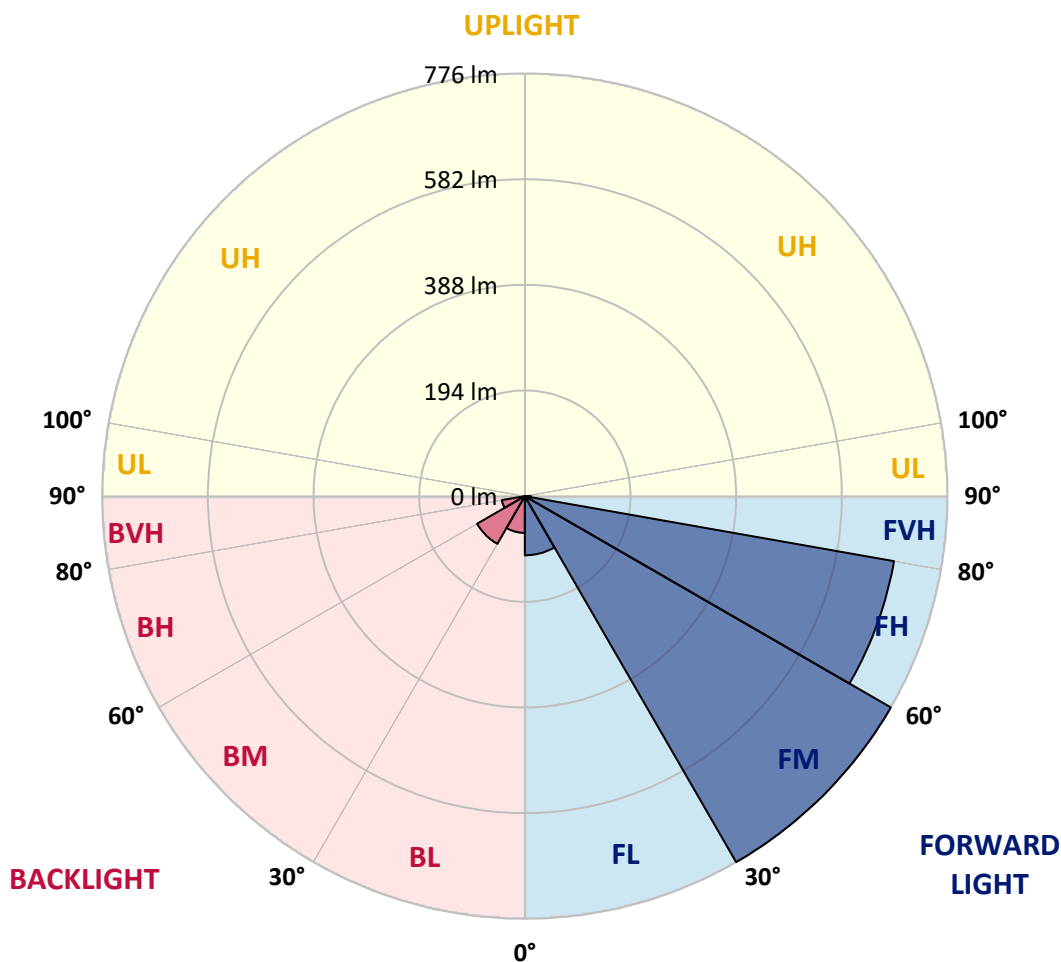
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	108.6	6.0			
FM (30°-60°)	775.6	43.2			
FH (60°-80°)	688.0	38.3			G1/1800
FVH (80°-90°)	10.9	0.6			G1/100
BL (0°-30°)	67.4	3.8	B0/110		
BM (30°-60°)	101.1	5.6	B0/220		
BH (60°-80°)	42.8	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°	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4
2.5°	218.2	216.9	218.2	220.1	218.2	219.6	219.2	220.5	218.7	218.7	220.1
5°	204.0	206.3	207.2	209.5	211.8	215.9	218.7	218.7	221.4	222.8	224.7
7.5°	199.0	195.3	199.0	200.8	203.1	210.0	214.1	215.9	219.6	224.7	227.4
10°	191.6	194.4	194.4	200.4	203.6	207.7	215.0	216.4	224.7	229.7	232.4
12.5°	191.2	191.2	193.5	197.6	204.0	211.8	221.0	218.2	226.9	236.1	240.7
15°	192.6	195.8	195.8	201.3	206.3	217.3	225.1	225.6	237.9	247.1	251.2
17.5°	198.5	197.1	199.0	202.2	210.0	220.5	233.4	234.7	249.0	261.3	267.3
20°	210.9	213.2	210.4	208.6	211.8	225.6	242.1	244.8	260.9	272.8	278.8
22.5°	257.2	255.4	244.4	231.5	226.0	232.4	250.3	256.7	275.5	289.8	294.8
25°	309.5	306.3	293.4	274.2	249.0	246.2	266.8	266.8	293.9	309.5	308.1
27.5°	359.0	358.1	342.9	322.8	287.0	267.3	280.1	285.2	314.5	327.4	321.4
30°	409.4	410.3	396.6	372.3	334.7	301.2	298.9	303.1	330.1	350.3	337.9
32.5°	468.1	459.9	450.2	416.8	382.4	344.8	323.2	321.4	347.5	365.9	349.4
35°	520.4	515.3	504.8	474.5	435.1	390.2	359.9	355.3	369.5	393.8	376.0
37.5°	566.2	561.2	547.4	527.2	496.5	446.6	403.9	397.0	403.0	428.7	407.1
40°	605.6	607.0	603.4	583.6	555.2	509.8	460.8	449.8	444.7	467.6	443.3
42.5°	634.1	647.4	648.3	624.0	601.1	576.3	521.3	512.6	500.7	519.9	502.9
45°	693.7	686.3	690.9	682.2	657.0	653.3	591.0	585.9	569.4	575.8	558.0
47.5°	740.4	739.1	747.8	733.6	726.7	727.1	670.3	661.6	638.2	650.1	629.9
50°	767.5	760.2	791.8	802.8	801.4	806.9	750.5	743.2	720.7	738.1	695.1
52.5°	773.9	787.2	817.0	856.9	873.9	885.3	838.1	835.3	811.0	822.0	762.4
55°	790.0	802.8	820.2	885.8	948.6	951.3	924.3	927.0	905.5	902.7	826.6
57.5°	789.5	786.7	834.9	911.0	998.1	1037.5	1022.9	1009.6	986.2	959.1	867.9
60°	760.6	759.2	809.2	914.2	1025.2	1115.5	1121.4	1105.8	1047.2	1007.3	916.5
62.5°	703.3	708.8	759.2	886.7	1050.8	1143.4	1165.4	1154.9	1082.0	1039.4	973.8
65°	637.7	626.3	685.0	817.9	993.1	1135.2	1182.9	1179.2	1123.3	1074.2	1026.5
67.5°	511.7	516.7	561.6	703.8	894.5	1104.9	1223.7	1229.2	1156.3	1104.9	1042.6
70°	324.1	333.3	380.1	508.5	730.4	1009.6	1260.4	1276.4	1182.4	1102.2	995.8
72.5°	94.4	98.1	161.8	253.5	465.4	809.7	1201.7	1209.9	1131.5	1000.4	770.2
75°	31.2	33.0	47.7	82.5	182.5	418.6	887.6	926.6	900.4	725.3	440.6
77.5°	20.6	21.5	26.1	39.4	69.2	131.1	475.9	517.6	507.5	339.7	142.1
80°	15.1	15.6	19.3	26.6	42.2	47.2	175.6	203.1	196.2	77.9	28.4
82.5°	9.6	9.6	14.2	18.8	26.6	23.4	50.9	56.4	55.0	29.8	11.0
85°	6.4	6.9	10.5	14.7	14.7	11.0	14.7	17.0	18.3	16.0	5.0
87.5°	1.8	2.3	6.0	10.1	6.0	5.5	5.0	5.5	6.4	8.7	2.8
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°	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4
2.5°	221.4	223.3	222.8	223.7	222.4	221.0	222.4	222.4	222.4	221.0	220.1
5°	223.3	222.4	223.3	221.4	223.3	221.4	220.5	217.8	217.3	217.3	219.2
7.5°	226.0	226.9	222.8	222.8	218.7	219.6	217.3	217.8	216.9	215.5	214.6
10°	230.2	233.8	229.7	228.3	223.7	220.1	214.6	211.8	211.8	210.0	211.8
12.5°	241.6	240.2	237.9	233.4	227.9	220.5	207.2	193.9	182.9	174.7	178.8
15°	250.8	250.3	247.1	238.4	231.1	208.6	175.1	140.8	122.4	114.2	112.8
17.5°	265.0	263.6	258.1	246.7	222.4	172.8	120.1	91.2	73.4	69.2	67.9
20°	278.3	277.8	265.9	251.2	200.4	126.1	78.4	60.1	55.0	55.5	54.6
22.5°	292.5	290.2	276.0	245.7	159.5	83.9	55.9	53.6	51.8	51.3	52.3
25°	308.6	300.3	286.1	233.4	117.4	57.8	52.7	50.9	49.1	48.6	48.6
27.5°	315.0	309.5	290.7	203.6	74.3	50.4	49.5	47.2	44.9	43.6	43.1
30°	329.6	320.5	295.3	160.0	52.7	46.3	44.9	42.2	39.0	36.7	36.7
32.5°	344.3	333.3	295.7	111.9	44.0	41.7	39.4	35.8	31.6	29.3	29.8
35°	362.7	347.5	290.7	72.4	39.4	36.7	32.1	28.0	24.3	22.5	22.5
37.5°	393.8	379.6	270.0	47.7	35.8	31.2	26.6	22.0	18.8	17.4	17.4
40°	433.3	414.9	241.6	37.6	31.6	26.6	21.1	17.0	15.1	13.8	13.8
42.5°	480.5	457.6	199.4	33.5	28.0	22.0	16.5	13.3	11.5	11.5	11.0
45°	527.7	490.1	156.3	30.7	24.8	18.3	12.8	10.5	9.6	9.2	9.2
47.5°	595.1	529.5	111.9	28.0	21.5	14.2	10.5	8.7	7.8	7.3	7.8
50°	659.7	566.7	79.3	25.2	17.9	11.5	8.7	7.8	6.9	6.4	6.4
52.5°	716.6	592.4	55.5	22.0	15.1	9.6	7.8	6.9	6.4	6.0	6.0
55°	747.8	583.6	38.1	18.8	12.4	8.3	6.9	6.0	5.5	5.0	5.0
57.5°	779.9	559.3	28.9	15.6	10.1	7.8	6.4	5.5	5.0	4.6	4.6
60°	806.9	541.5	22.5	12.4	8.3	6.4	5.5	4.6	4.1	3.7	3.2
62.5°	808.3	505.7	16.5	9.2	6.4	5.5	4.6	3.7	2.3	1.8	1.4
65°	813.8	468.1	11.9	6.9	4.6	4.1	3.2	1.8	0.9	0.0	0.0
67.5°	794.5	423.6	9.6	5.0	3.2	2.3	1.4	0.5	0.0	0.0	0.0
70°	716.1	357.6	7.3	3.7	2.3	1.4	0.5	0.0	0.0	0.0	0.0
72.5°	512.6	232.4	5.0	2.8	0.9	0.5	0.0	0.0	0.0	0.0	0.0
75°	273.3	99.0	3.7	1.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	85.7	25.2	2.3	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	18.8	6.9	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	6.4	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.3	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.5	0.5	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)