

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: P553646

Luminaire Tested: **ARB-B1-LED-D1-T4-7030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34663)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ARB-B1-LED-D1-T4-7030
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
70 CRI, 3000K LEDS AND TYPE IV OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2229 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
Input Voltage (V): NR
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: 24 FT

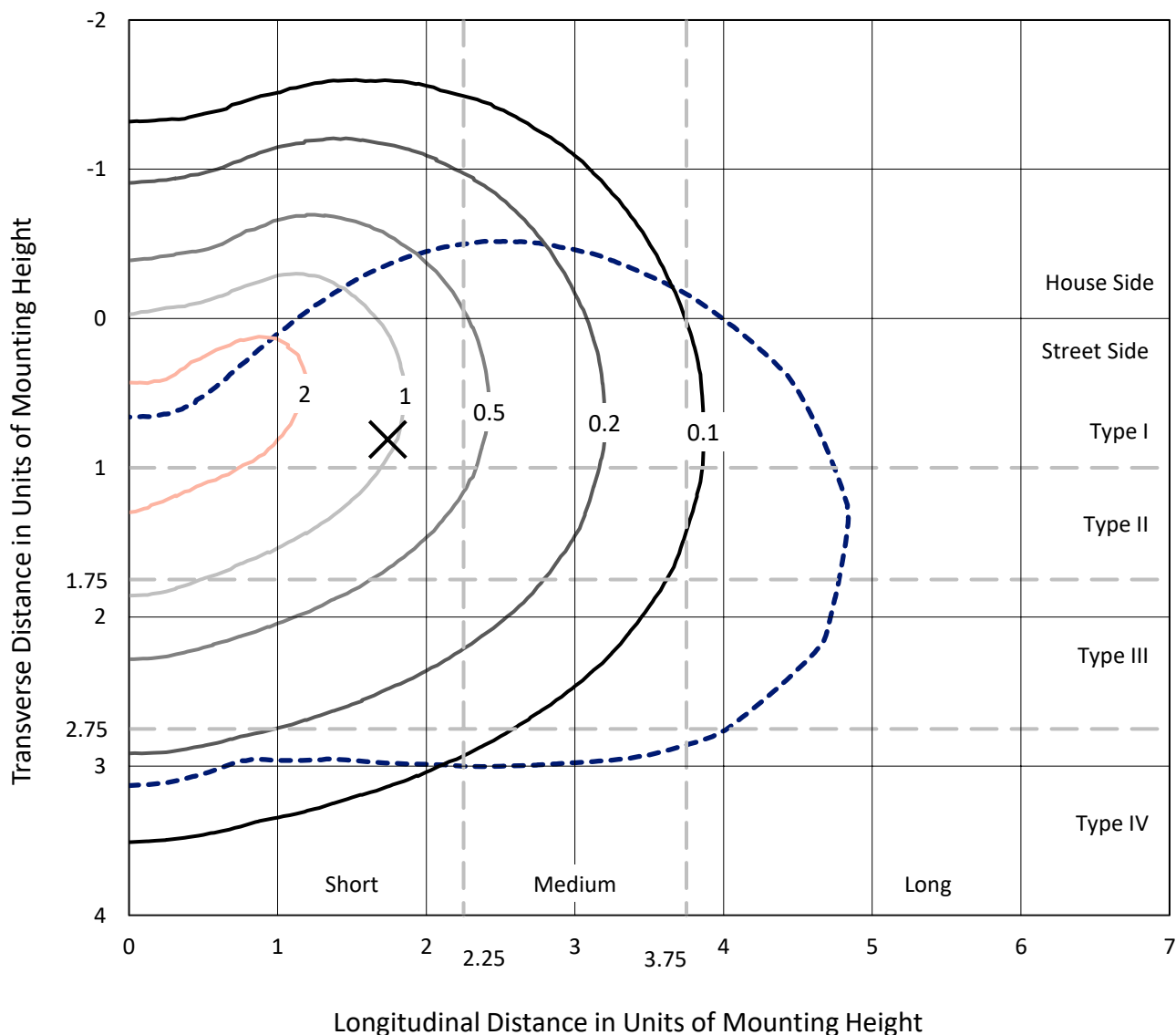


REPORT NUMBER: P553646

CATALOG NUMBER: ARB-B1-LED-D1-T4-7030

Iso-Footcandle Lines of Horizontal Illumination

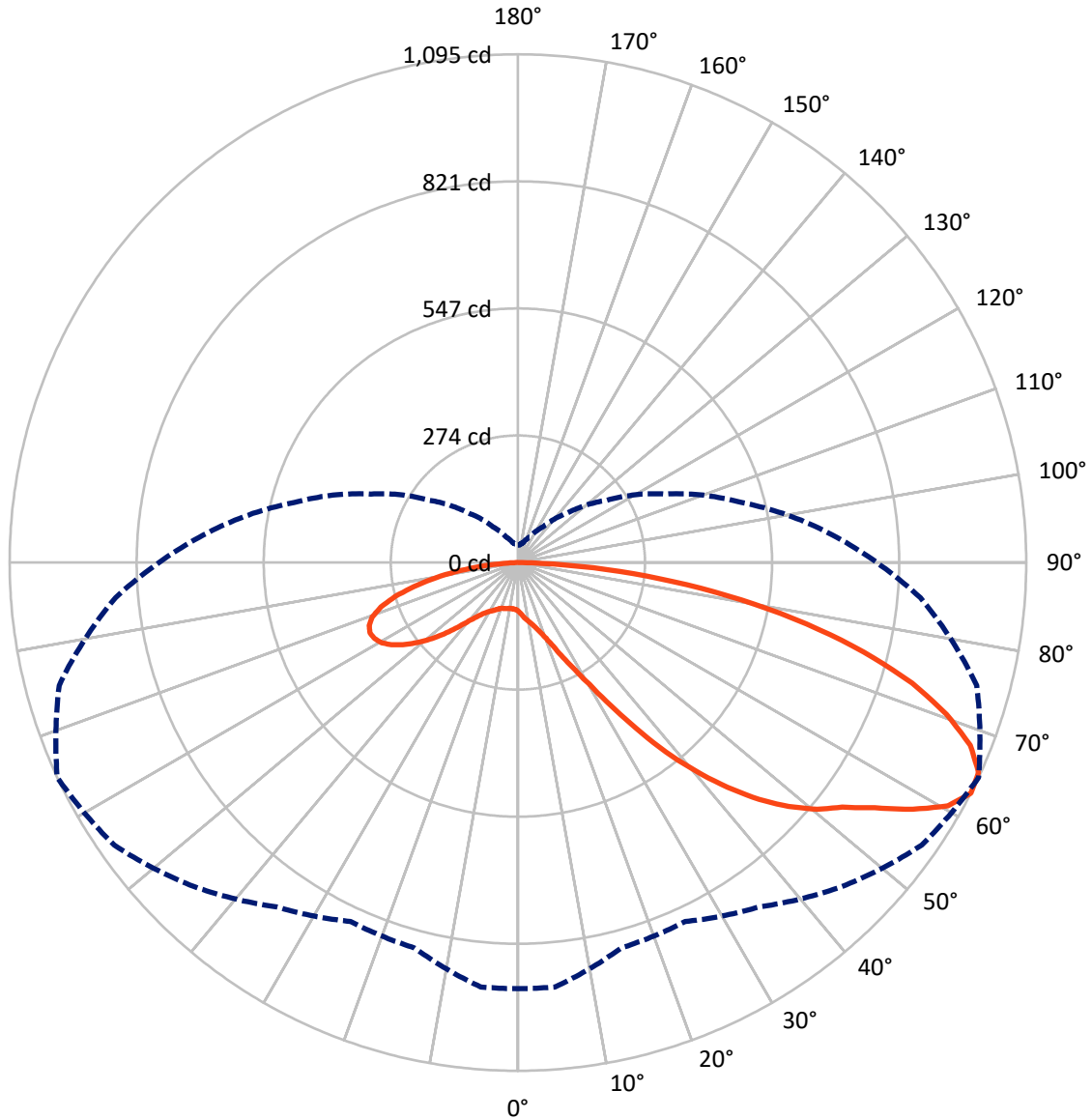
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P553646
CATALOG NUMBER: ARB-B1-LED-D1-T4-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P553646

CATALOG NUMBER: ARB-B1-LED-D1-T4-7030

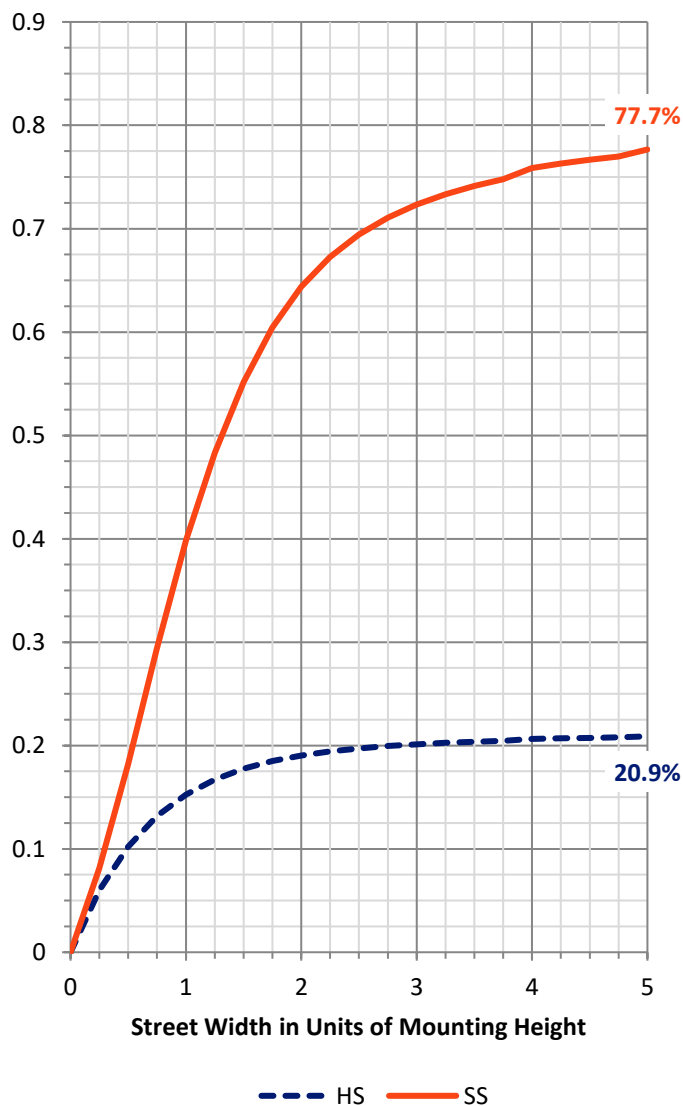
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	471.2	0.0	471.2
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	1757.8	0.0	1757.8
	% Fixture	78.9	0.0	78.9
Total	Lumens	2229.0	0.0	2229.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.5
10°-20°	35.3	1.6
20°-30°	79.8	3.6
30°-40°	189.2	8.5
40°-50°	338.6	15.2
50°-60°	493.5	22.1
60°-70°	562.3	25.2
70°-80°	405.3	18.2
80°-90°	114.4	5.1
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°	2229.0	100.0
0°-180°	2229.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553646

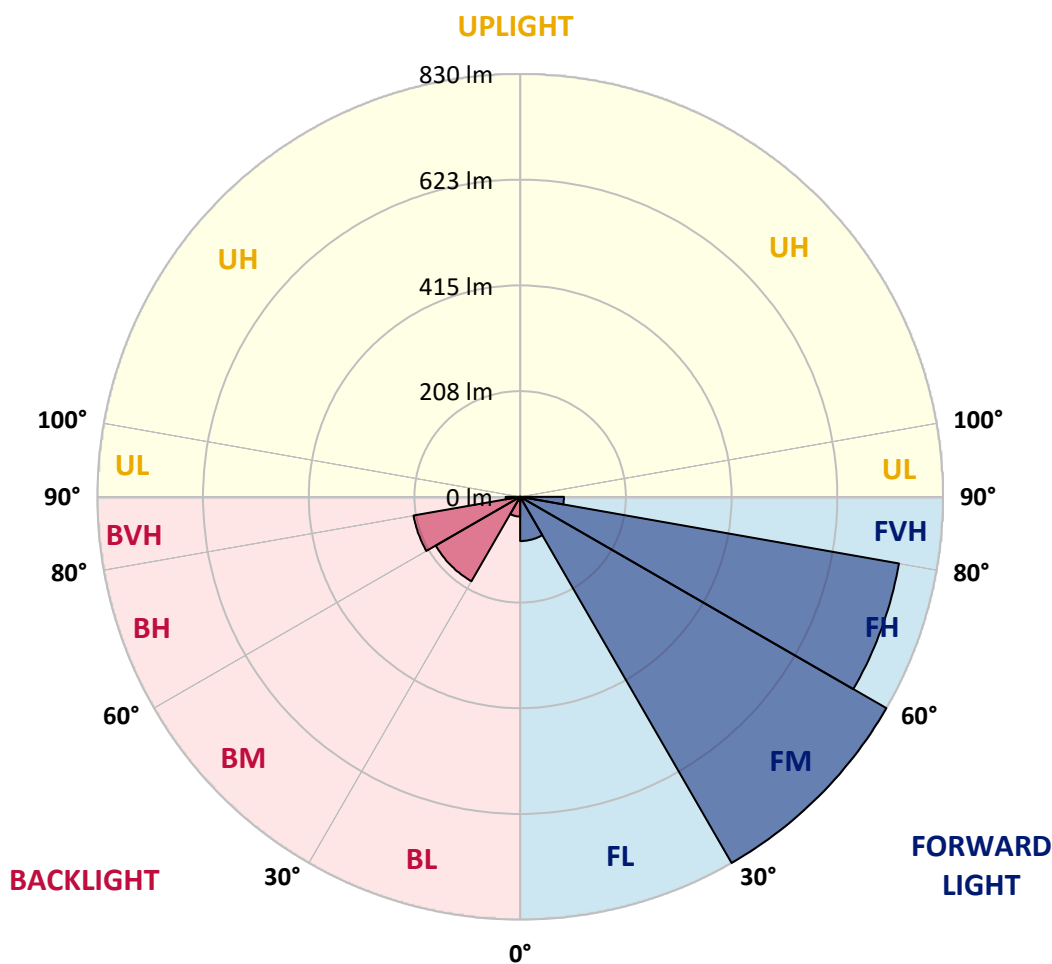
CATALOG NUMBER: ARB-B1-LED-D1-T4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	86.8	3.9			
FM (30°-60°)	830.0	37.2			
FH (60°-80°)	755.1	33.9			G1/1800
FVH (80°-90°)	85.9	3.9			G1/100
BL (0°-30°)	38.8	1.7	B0/110		
BM (30°-60°)	191.4	8.6	B0/220		
BH (60°-80°)	212.5	9.5	B1/500		G1/500
BVH (80°-90°)	28.5	1.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





REPORT NUMBER: P553646

CATALOG NUMBER: ARB-B1-LED-D1-T4-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4
2.5°	116.7	115.7	115.7	115.4	114.4	113.1	111.6	109.5	108.2	106.2	105.2
5°	127.0	127.0	126.5	125.7	124.1	122.1	119.3	116.4	113.4	109.8	108.2
7.5°	136.7	136.7	136.2	134.4	132.6	130.3	126.7	122.9	118.5	113.6	111.3
10°	147.5	147.0	145.7	143.6	141.1	137.7	133.9	129.3	124.1	118.2	115.2
12.5°	156.5	156.5	155.9	153.9	150.6	146.2	141.8	136.5	130.8	123.4	119.8
15°	166.5	166.2	166.2	164.7	161.8	157.2	151.6	146.2	139.0	129.3	125.2
17.5°	185.4	184.7	182.6	178.3	175.2	171.6	166.2	158.5	149.3	137.0	131.3
20°	210.8	212.1	205.7	198.3	192.1	189.0	184.2	174.2	160.8	143.6	136.5
22.5°	250.6	248.8	237.8	229.6	219.3	213.4	209.6	196.0	177.8	156.5	147.0
25°	291.1	289.8	278.3	267.0	255.7	250.1	242.1	226.0	199.0	172.9	159.8
27.5°	330.4	330.6	321.9	311.4	303.7	297.8	283.2	261.6	225.5	192.1	176.7
30°	394.5	400.4	383.5	376.8	373.2	367.3	347.0	304.2	260.9	217.0	197.0
32.5°	515.6	512.5	488.6	461.4	453.5	444.3	418.1	366.8	309.3	250.1	223.9
35°	645.6	637.4	594.6	555.8	533.5	518.1	494.5	437.1	367.0	296.3	261.9
37.5°	699.0	696.4	668.7	638.4	613.8	594.6	572.2	517.9	438.1	349.3	303.9
40°	742.0	741.3	719.2	694.6	682.3	660.7	637.4	591.2	512.2	408.3	358.1
42.5°	770.8	771.0	751.3	732.3	729.5	716.1	700.0	661.5	579.4	467.6	410.1
45°	794.1	794.4	764.1	756.1	763.8	764.6	755.6	727.7	646.1	534.8	467.6
47.5°	813.6	812.6	773.8	764.1	784.4	805.4	802.1	785.1	712.3	594.6	523.8
50°	822.8	820.0	778.5	770.0	794.4	827.2	835.9	835.4	772.1	647.7	577.1
52.5°	861.3	852.8	805.9	798.0	819.5	859.3	874.4	874.9	827.5	699.0	625.1
55°	996.2	993.4	912.9	871.3	882.3	925.9	937.5	932.4	883.6	746.7	670.0
57.5°	1008.8	1004.4	944.4	912.4	932.9	980.8	1008.3	1002.6	944.2	795.9	705.4
60°	976.7	968.5	913.4	898.5	936.7	1001.1	1053.7	1063.9	989.8	842.6	748.5
62.5°	917.7	917.5	859.3	852.8	905.2	986.7	1061.4	1094.7	1022.9	870.0	772.8
65°	839.0	836.7	787.2	793.3	852.8	944.4	1034.7	1090.1	1030.3	874.7	779.2
67.5°	710.7	717.2	693.1	724.9	785.4	884.1	983.7	1050.6	1003.4	853.6	764.1
70°	616.1	622.5	607.1	642.3	708.4	807.4	916.2	979.0	942.1	808.7	725.9
72.5°	539.2	536.6	524.3	560.7	623.5	716.4	823.4	887.5	855.2	738.2	664.6
75°	455.8	450.9	438.9	469.9	533.8	615.3	708.7	769.7	742.8	649.7	582.8
77.5°	368.8	365.5	353.5	377.3	427.1	509.4	593.8	635.6	618.7	538.9	483.5
80°	287.3	280.3	267.3	285.5	327.3	389.9	453.7	487.9	470.2	410.4	369.1
82.5°	189.8	196.0	190.3	191.1	228.5	274.5	324.5	337.0	328.3	281.6	255.5
85°	112.6	109.8	105.7	106.7	126.2	158.3	183.4	191.6	183.7	154.7	142.4
87.5°	24.1	25.4	26.4	23.6	32.6	43.1	48.5	49.5	50.3	43.3	38.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P553646
 CATALOG NUMBER: ARB-B1-LED-D1-T4-7030

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4
2.5°	104.4	102.9	101.6	100.3	99.3	98.8	98.2	98.0	97.7	98.0
5°	106.7	103.6	100.8	98.2	96.2	94.6	93.1	92.3	91.6	91.6
7.5°	109.0	104.4	100.0	96.2	92.9	89.8	87.7	86.4	85.4	85.4
10°	111.8	105.9	100.0	94.6	90.0	86.4	83.1	81.3	80.0	79.8
12.5°	115.9	108.2	101.1	94.4	88.5	83.6	79.8	76.9	75.4	75.2
15°	120.6	111.1	102.1	94.4	87.2	80.5	75.9	72.6	70.8	70.3
17.5°	125.2	113.9	103.6	94.1	85.4	78.0	72.6	68.7	66.9	66.4
20°	129.8	116.4	104.1	93.1	83.4	75.4	69.3	65.4	63.1	63.1
22.5°	138.3	121.8	107.5	93.9	82.8	73.9	66.7	62.6	60.5	60.0
25°	149.5	128.8	111.3	95.4	82.6	72.3	64.6	60.0	58.0	57.5
27.5°	162.9	137.0	115.7	97.2	82.6	71.0	62.8	58.0	55.4	55.4
30°	179.3	146.7	120.3	99.3	82.3	69.8	61.0	55.9	53.6	53.4
32.5°	200.3	159.8	125.9	101.1	82.3	68.7	59.5	54.1	51.6	51.3
35°	229.3	175.2	134.1	104.4	82.8	68.5	58.7	52.8	50.0	49.8
37.5°	264.7	197.0	145.4	110.8	85.4	69.3	58.7	52.3	49.5	49.2
40°	306.8	223.9	160.3	118.8	90.3	71.6	60.0	53.1	49.8	49.5
42.5°	355.2	253.7	181.1	131.1	97.5	74.6	60.8	53.1	49.8	49.2
45°	404.2	290.6	205.5	143.6	103.1	77.2	60.5	52.6	49.2	48.7
47.5°	453.7	329.6	231.1	158.3	109.3	79.5	61.0	52.1	48.2	47.7
50°	503.2	366.8	256.8	174.4	117.2	81.1	61.8	50.8	47.2	46.4
52.5°	548.6	406.5	281.4	190.3	125.9	84.9	62.1	49.5	45.9	45.4
55°	586.9	439.1	304.7	207.8	135.7	89.0	61.8	49.0	44.4	43.9
57.5°	623.3	465.3	325.0	220.1	142.6	91.3	62.3	48.0	42.6	42.1
60°	657.4	485.3	340.4	229.6	147.7	93.4	62.1	46.4	40.3	40.3
62.5°	679.7	498.9	349.3	234.2	150.8	93.9	61.3	44.6	38.0	37.2
65°	685.4	505.8	352.7	235.2	150.3	92.3	58.5	42.8	34.9	33.9
67.5°	670.7	499.7	348.1	230.6	145.9	88.2	54.4	39.8	30.8	30.5
70°	637.9	478.1	334.7	220.1	138.0	82.8	49.5	35.9	27.7	26.7
72.5°	586.1	440.1	310.1	203.9	126.2	75.9	45.1	31.8	25.4	24.4
75°	514.8	389.6	274.2	181.1	111.6	66.9	40.5	27.4	23.3	22.6
77.5°	428.9	324.0	229.6	153.4	94.6	57.5	35.1	22.8	21.0	21.0
80°	326.0	255.2	180.1	120.0	74.6	45.7	29.0	19.0	18.2	18.5
82.5°	222.9	174.4	125.2	84.1	53.9	34.4	22.1	15.4	15.1	15.1
85°	121.1	98.8	71.0	50.0	32.1	22.3	15.1	11.8	11.8	11.8
87.5°	37.4	30.3	21.0	15.9	13.1	10.5	9.0	8.0	8.5	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)