

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: P553666

Luminaire Tested: **ARB-B3-LED-D1-T2**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34669)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ARB-B3-LED-D1-T2
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
70 CRI, 4000K LEDS AND TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7362 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

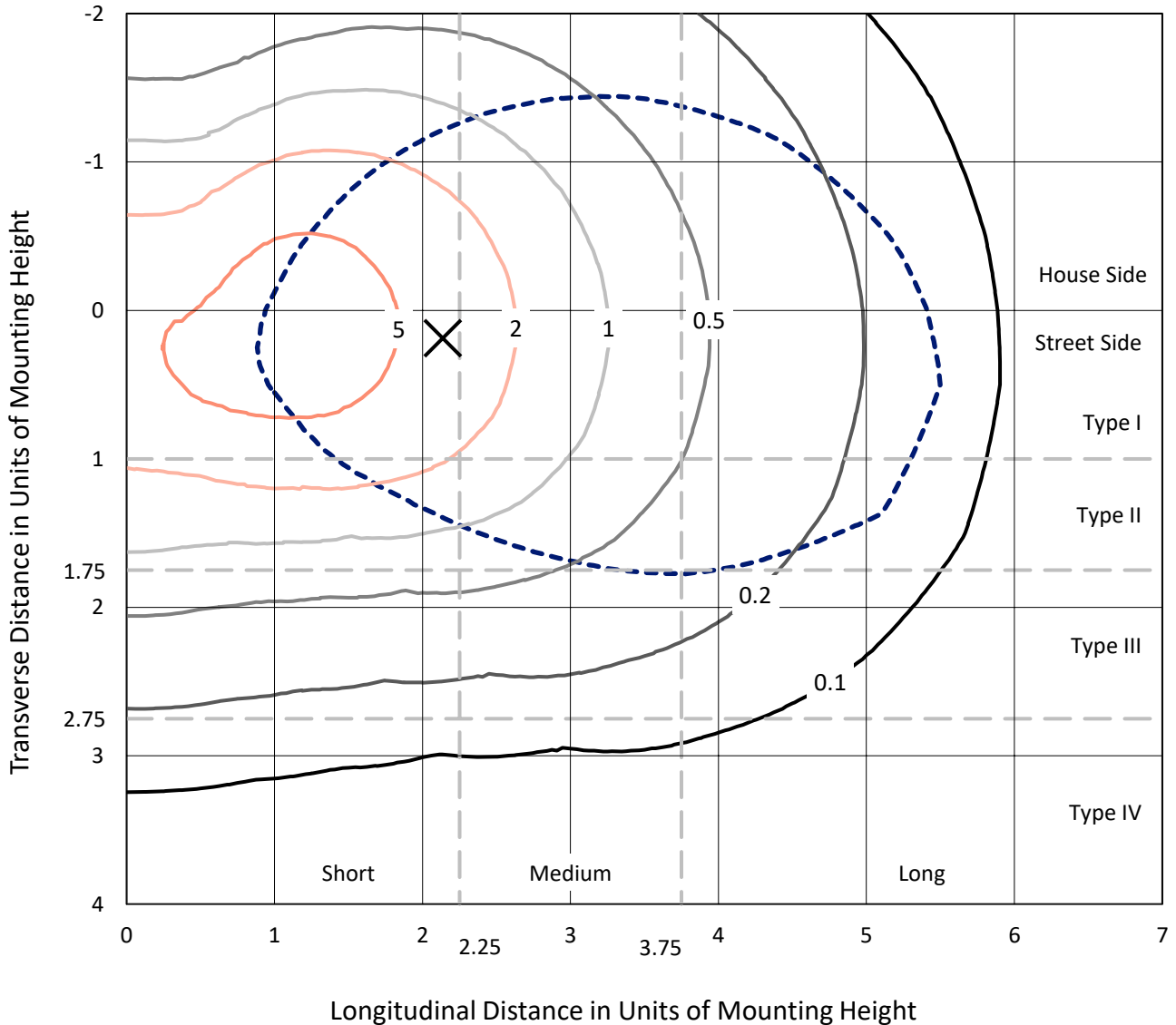
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

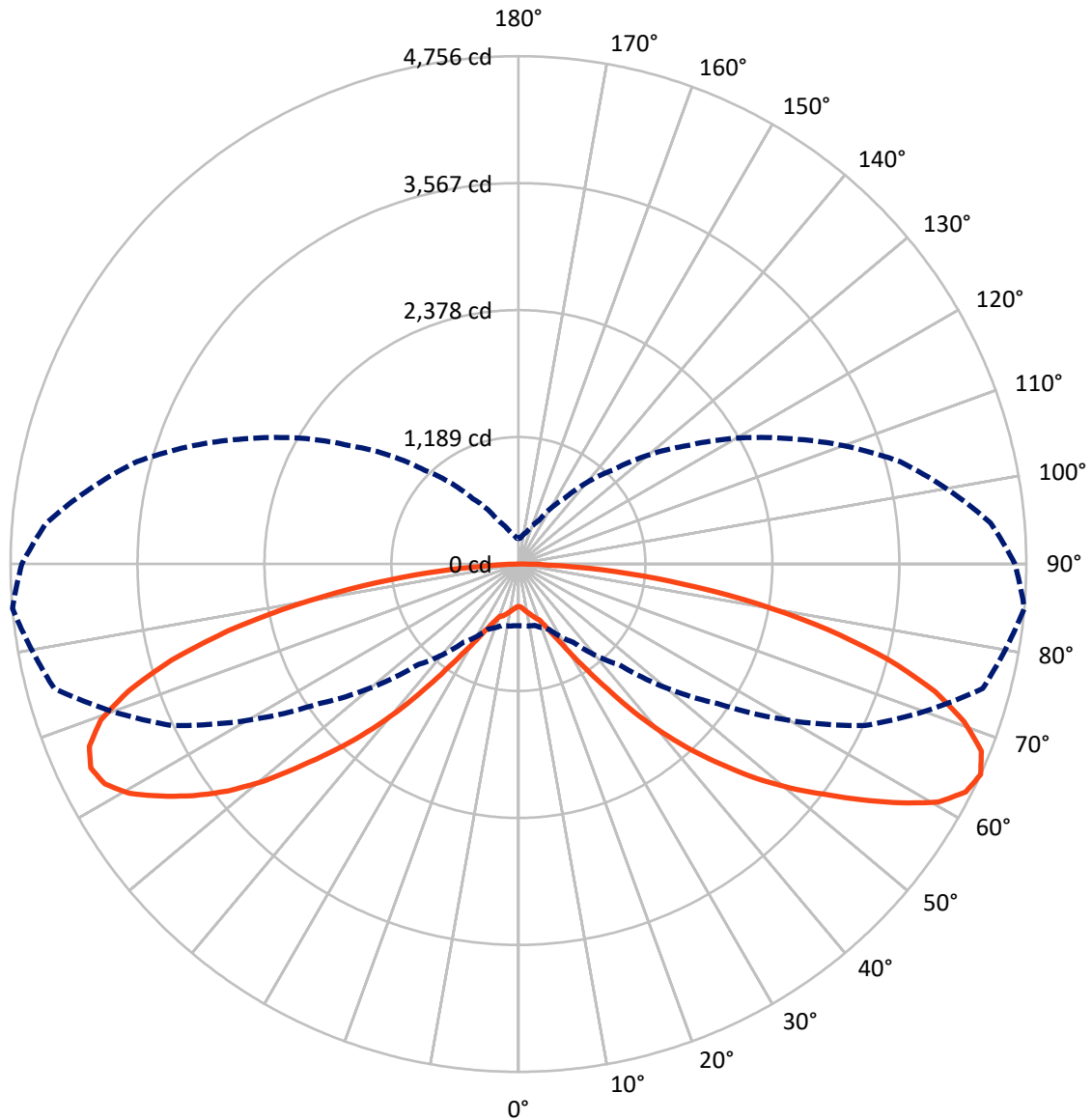
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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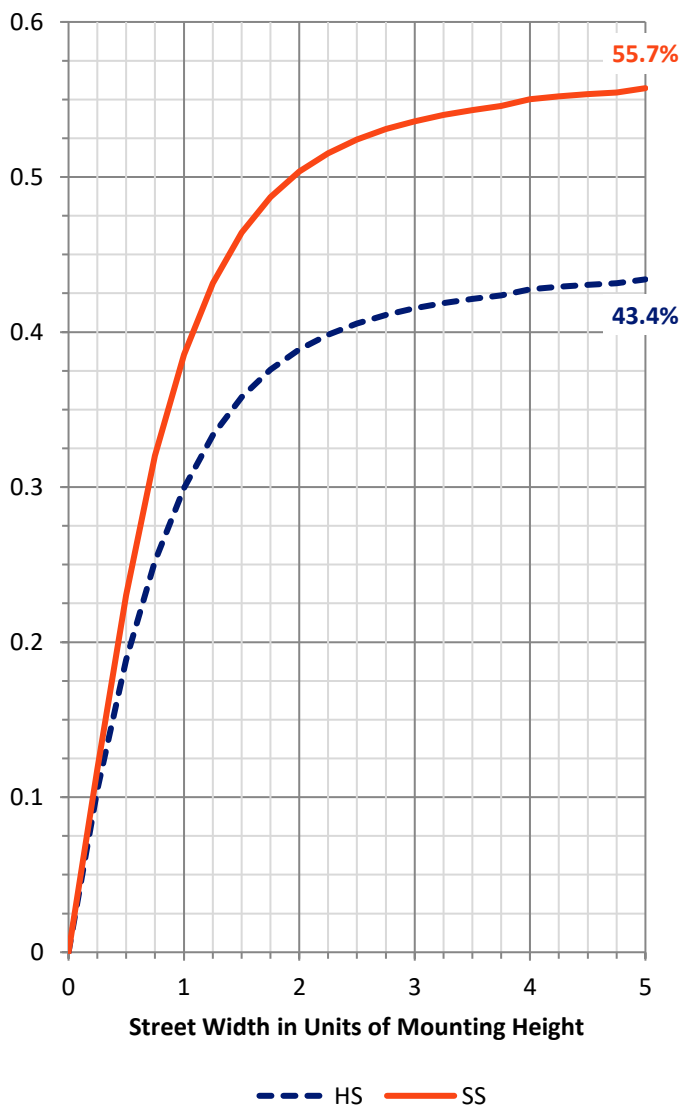
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3232.3	0.0	3232.3
	% Fixture	43.9	0.0	43.9
Street Side	Lumens	4129.7	0.0	4129.7
	% Fixture	56.1	0.0	56.1
Total	Lumens	7362.0	0.0	7362.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	0.5
10°-20°	132.6	1.8
20°-30°	268.5	3.6
30°-40°	536.7	7.3
40°-50°	996.6	13.5
50°-60°	1559.0	21.2
60°-70°	1899.0	25.8
70°-80°	1489.7	20.2
80°-90°	439.7	6.0
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°	7362.0	100.0
0°-180°	7362.0	100.0

Coefficient of Utilization



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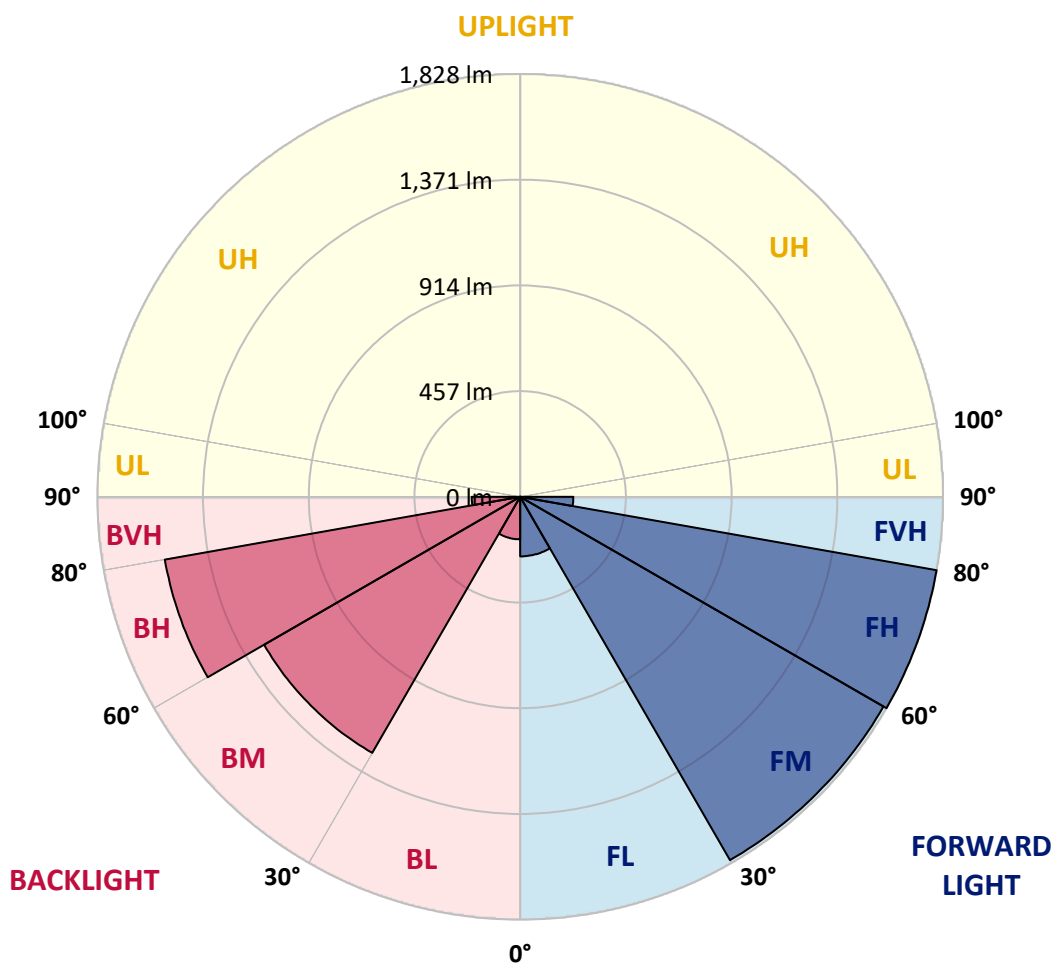
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	257.5	3.5			
FM (30°-60°)	1814.0	24.6			
FH (60°-80°)	1828.3	24.8			G2/5000
FVH (80°-90°)	229.9	3.1			G3/500
BL (0°-30°)	183.8	2.5	B1/500		
BM (30°-60°)	1278.3	17.4	B2/2500		
BH (60°-80°)	1560.4	21.2	B3/2500		G3/2500
BVH (80°-90°)	209.8	2.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0
2.5°	417.2	417.2	415.2	415.2	414.2	411.1	408.1	406.1	404.1	403.1	402.1
5°	435.3	434.3	435.3	434.3	433.3	431.3	428.3	425.2	421.2	418.2	416.2
7.5°	449.4	449.4	450.4	451.4	451.4	451.4	448.4	445.4	441.4	438.3	434.3
10°	455.5	456.5	459.5	463.5	467.6	472.6	471.6	468.6	464.5	458.5	454.5
12.5°	454.5	454.5	460.5	470.6	482.7	492.8	498.8	496.8	488.7	481.7	476.6
15°	460.5	462.5	468.6	482.7	501.8	518.0	528.0	531.1	520.0	506.9	500.8
17.5°	512.9	513.9	508.9	514.9	536.1	561.3	572.4	576.4	559.3	534.1	522.0
20°	542.1	543.1	548.2	557.3	574.4	611.7	635.9	633.8	604.6	558.3	541.1
22.5°	544.2	546.2	557.3	584.5	618.7	667.1	714.5	718.5	684.2	617.7	591.5
25°	544.2	546.2	559.3	594.5	656.0	724.5	806.2	824.3	786.0	707.4	665.1
27.5°	544.2	548.2	569.3	612.7	691.3	803.1	900.9	943.2	907.9	821.3	768.9
30°	547.2	551.2	582.4	643.9	739.6	882.7	1024.8	1099.4	1073.2	981.5	912.0
32.5°	581.4	582.4	611.7	678.2	801.1	964.4	1164.9	1270.7	1267.7	1187.1	1087.3
35°	612.7	616.7	644.9	722.5	851.5	1047.0	1307.0	1466.2	1524.6	1436.0	1325.1
37.5°	617.7	622.8	665.1	759.8	900.9	1134.7	1460.1	1681.8	1815.9	1757.4	1634.5
40°	621.7	628.8	674.1	774.9	939.2	1198.1	1599.2	1927.7	2099.0	2071.8	1956.9
42.5°	624.8	633.8	678.2	776.9	952.3	1241.5	1714.1	2145.4	2376.1	2383.2	2275.4
45°	608.6	618.7	670.1	773.9	950.3	1274.7	1813.9	2354.0	2637.1	2687.5	2616.0
47.5°	613.7	622.8	666.1	772.9	961.3	1314.0	1905.6	2538.4	2888.1	2998.9	2918.3
50°	657.0	660.0	685.2	792.0	1005.7	1363.4	1995.2	2720.8	3125.9	3296.2	3244.8
52.5°	684.2	678.2	692.3	805.1	1040.9	1418.8	2101.0	2907.2	3390.9	3581.3	3586.4
55°	727.6	725.5	721.5	819.3	1063.1	1474.3	2221.0	3117.8	3695.2	3894.7	3893.7
57.5°	713.4	717.5	722.5	812.2	1068.2	1500.5	2333.8	3326.4	3997.5	4222.2	4174.9
60°	669.1	675.2	690.3	781.0	1037.9	1478.3	2375.1	3504.8	4250.5	4524.5	4432.8
62.5°	629.8	633.8	646.9	733.6	978.5	1419.8	2352.0	3589.4	4428.8	4700.9	4605.2
65°	577.4	581.4	595.5	673.1	893.8	1332.2	2277.4	3578.3	4501.4	4756.3	4650.5
67.5°	514.9	520.0	538.1	614.7	810.2	1238.5	2178.6	3472.5	4426.8	4676.7	4580.0
70°	457.5	461.5	475.6	544.2	722.5	1130.6	2049.7	3292.1	4190.0	4429.8	4356.3
72.5°	400.1	402.1	413.2	477.6	631.8	1008.7	1872.3	3007.0	3843.3	4081.2	4018.7
75°	342.6	339.6	350.7	402.1	526.0	869.6	1659.7	2646.2	3365.7	3580.3	3513.8
77.5°	280.1	279.1	289.2	325.5	423.2	725.5	1399.7	2198.8	2796.4	2966.7	2935.4
80°	217.7	218.7	220.7	248.9	322.5	569.3	1095.4	1702.0	2184.7	2289.5	2225.0
82.5°	158.2	157.2	158.2	175.3	234.8	412.1	789.0	1228.4	1531.7	1561.9	1547.8
85°	95.7	95.7	94.7	101.8	143.1	233.8	438.3	689.3	847.5	917.0	865.6
87.5°	32.2	33.3	34.3	41.3	49.4	63.5	107.8	186.4	225.7	273.1	237.8
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0
2.5°	401.1	400.1	399.0	398.0	398.0	398.0	397.0	397.0	396.0	396.0
5°	415.2	410.1	405.1	401.1	398.0	394.0	392.0	389.0	388.0	388.0
7.5°	430.3	422.2	414.2	405.1	398.0	393.0	389.0	384.9	382.9	382.9
10°	448.4	437.3	424.2	414.2	404.1	394.0	385.9	379.9	375.9	375.9
12.5°	469.6	454.5	437.3	424.2	409.1	396.0	383.9	374.9	370.8	369.8
15°	489.7	467.6	447.4	430.3	412.1	396.0	382.9	373.9	367.8	367.8
17.5°	508.9	478.7	452.5	429.3	412.1	396.0	380.9	370.8	364.8	363.8
20°	519.0	477.6	443.4	417.2	406.1	392.0	373.9	362.8	357.7	356.7
22.5°	566.3	511.9	464.5	431.3	413.2	394.0	371.8	359.7	355.7	354.7
25°	629.8	557.3	495.8	452.5	423.2	397.0	371.8	356.7	350.7	349.7
27.5°	716.5	617.7	534.1	475.6	431.3	400.1	370.8	352.7	345.6	345.6
30°	839.4	691.3	579.4	502.8	441.4	402.1	367.8	348.7	341.6	340.6
32.5°	993.6	801.1	638.9	534.1	458.5	404.1	367.8	344.6	335.6	334.6
35°	1205.2	935.1	736.6	581.4	480.7	412.1	367.8	342.6	332.5	331.5
37.5°	1472.2	1156.8	870.6	666.1	514.9	427.3	375.9	348.7	337.6	336.6
40°	1793.7	1403.7	1027.8	763.8	579.4	454.5	395.0	363.8	350.7	349.7
42.5°	2119.2	1662.7	1198.1	885.8	661.0	491.8	408.1	369.8	355.7	353.7
45°	2433.6	1938.8	1408.8	1026.8	735.6	527.0	410.1	370.8	356.7	354.7
47.5°	2761.1	2250.2	1652.6	1171.9	814.2	556.2	416.2	368.8	354.7	352.7
50°	3124.9	2580.7	1870.3	1300.9	898.9	589.5	425.2	364.8	352.7	350.7
52.5°	3451.4	2884.0	2095.0	1449.1	988.5	635.9	433.3	355.7	345.6	345.6
55°	3734.5	3152.1	2295.5	1590.1	1071.2	681.2	437.3	351.7	333.5	333.5
57.5°	3990.5	3360.7	2479.9	1706.0	1144.7	713.4	455.5	342.6	317.4	319.4
60°	4231.3	3518.9	2630.1	1814.9	1198.1	741.7	464.5	329.5	296.3	298.3
62.5°	4386.5	3642.8	2733.9	1895.5	1232.4	755.8	463.5	322.5	275.1	275.1
65°	4436.9	3701.3	2779.2	1932.8	1241.5	750.7	448.4	314.4	248.9	237.8
67.5°	4365.3	3669.0	2761.1	1921.7	1217.3	726.5	427.3	301.3	217.7	211.6
70°	4175.9	3508.8	2664.3	1861.2	1158.8	678.2	399.0	270.1	197.5	182.4
72.5°	3834.3	3246.8	2477.9	1739.3	1074.2	616.7	365.8	235.8	181.4	175.3
75°	3369.7	2837.7	2208.9	1550.8	956.3	547.2	322.5	200.5	166.3	168.3
77.5°	2794.3	2367.1	1846.1	1320.1	822.3	460.5	274.1	165.3	149.1	158.2
80°	2130.3	1834.0	1426.9	1045.0	666.1	366.8	221.7	134.0	128.0	132.0
82.5°	1472.2	1271.7	1009.7	735.6	479.7	278.1	163.2	105.8	99.8	97.7
85°	836.4	696.3	563.3	424.2	286.2	171.3	110.8	77.6	70.5	70.5
87.5°	227.7	205.6	164.3	123.9	91.7	67.5	54.4	42.3	38.3	37.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)