

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: P179972

Luminaire Tested: **ICM-F02-LED-E1-5MQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P179972
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F02-LED-E1-5MQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4522.3 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

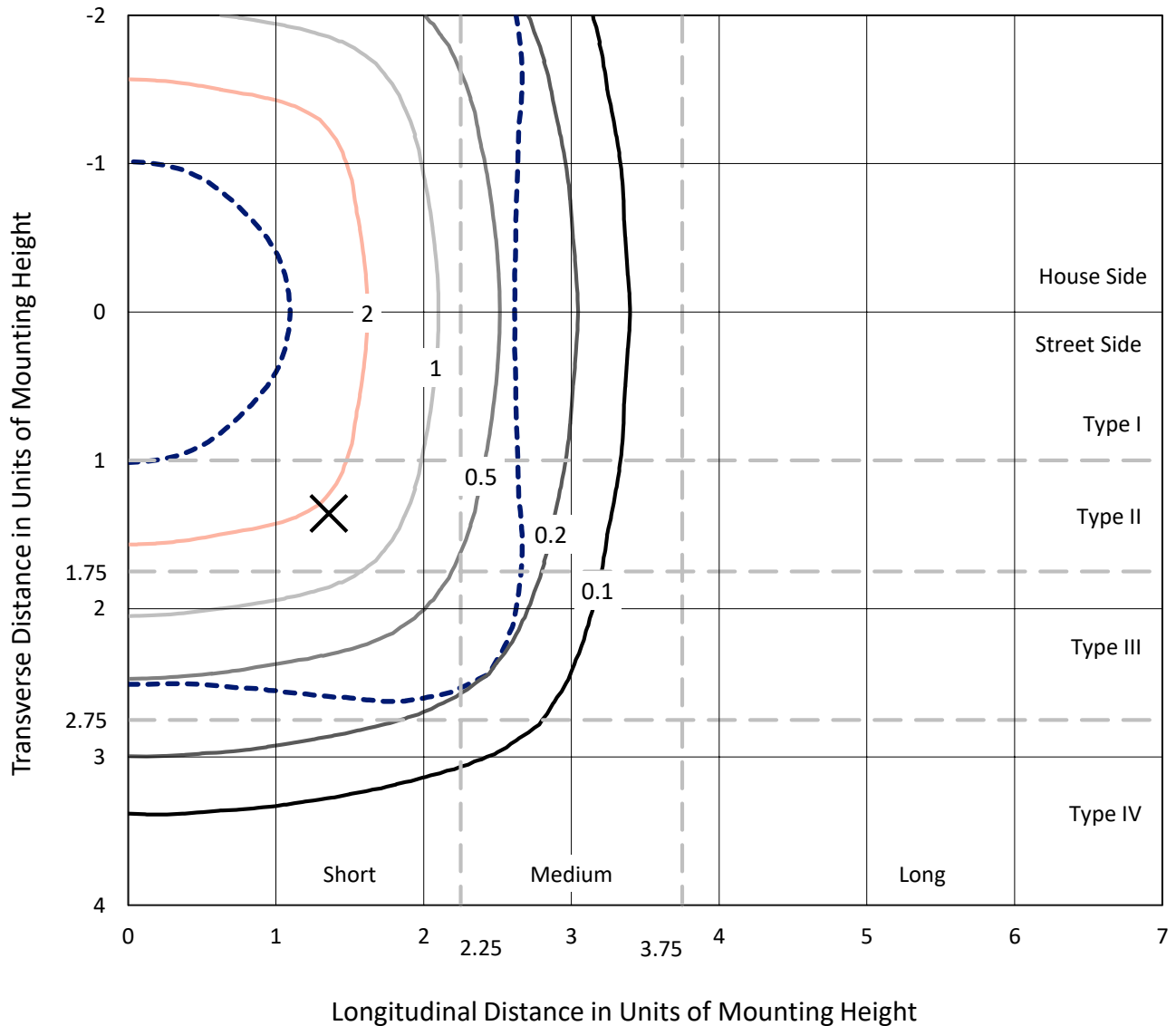
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

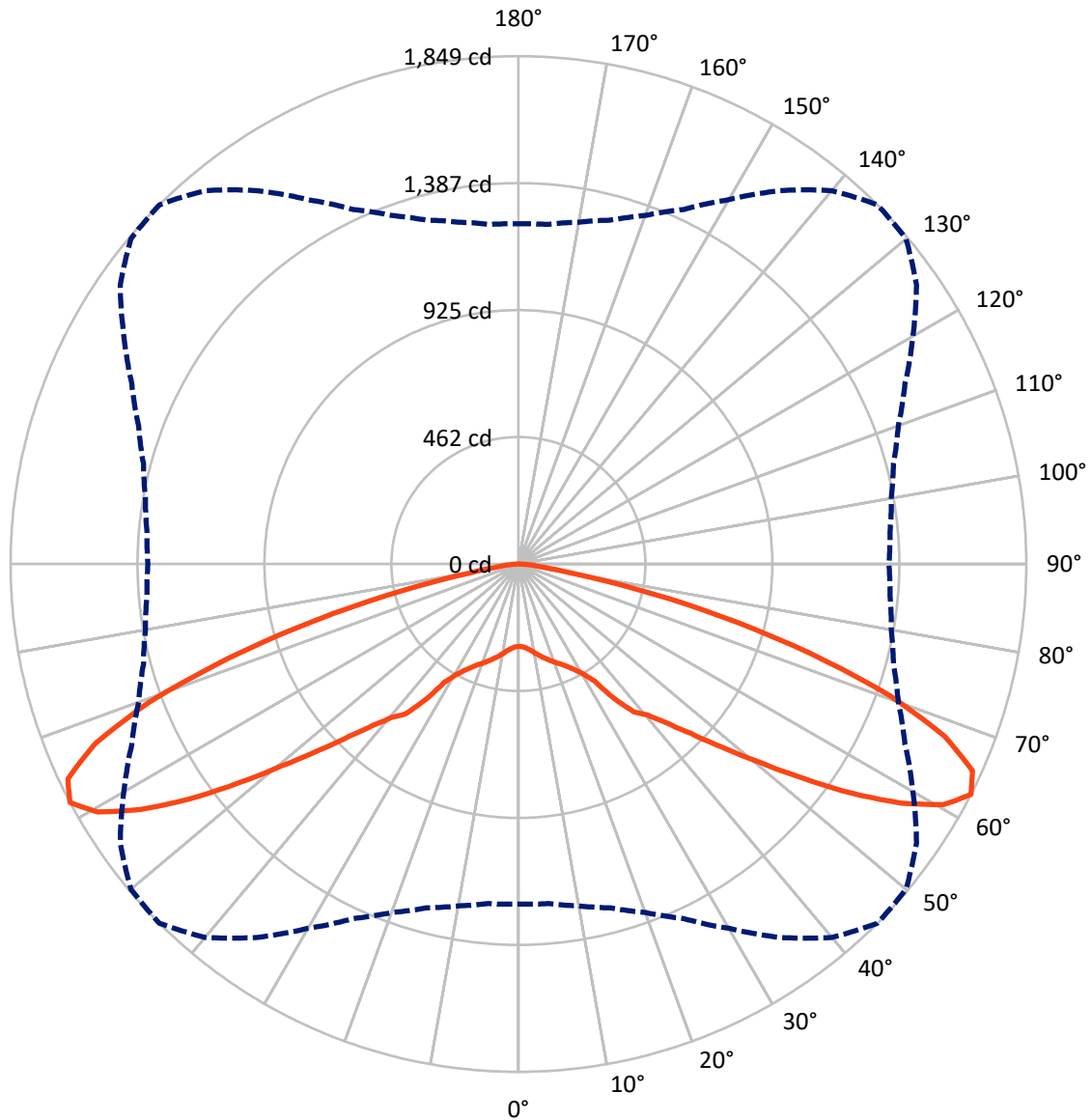
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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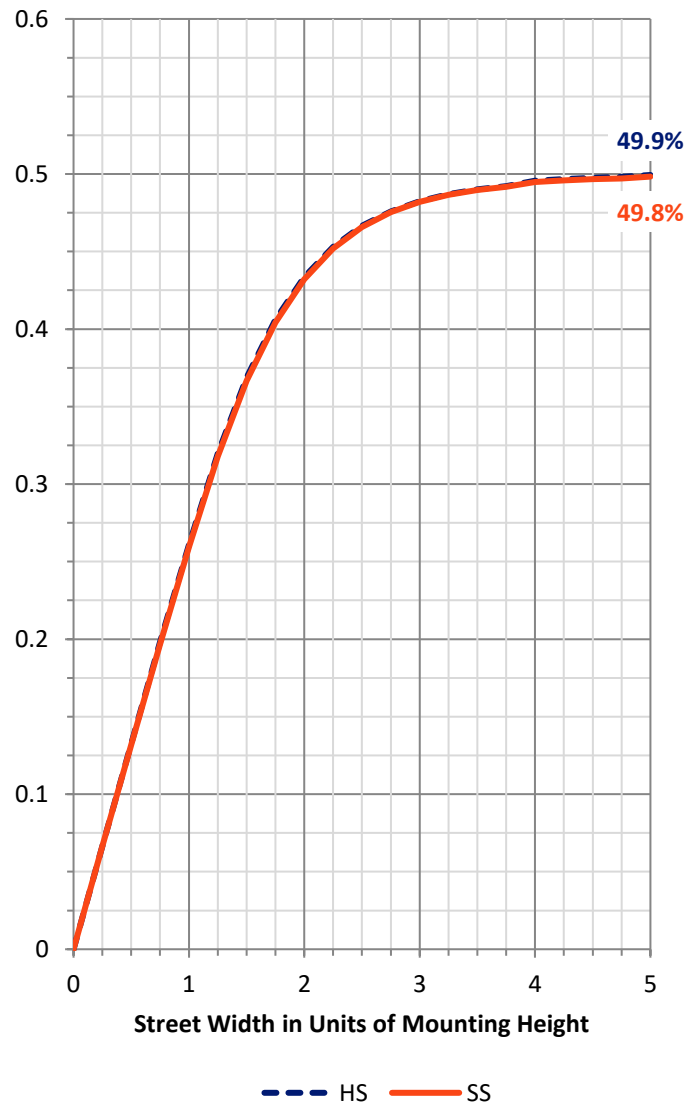
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2261.1	0.0	2261.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2261.1	0.0	2261.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4522.3	0.0	4522.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	0.7
10°-20°	101.7	2.2
20°-30°	196.6	4.3
30°-40°	380.7	8.4
40°-50°	687.4	15.2
50°-60°	1195.3	26.4
60°-70°	1356.9	30.0
70°-80°	526.1	11.6
80°-90°	47.5	1.0
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°	4522.3	100.0
0°-180°	4522.3	100.0



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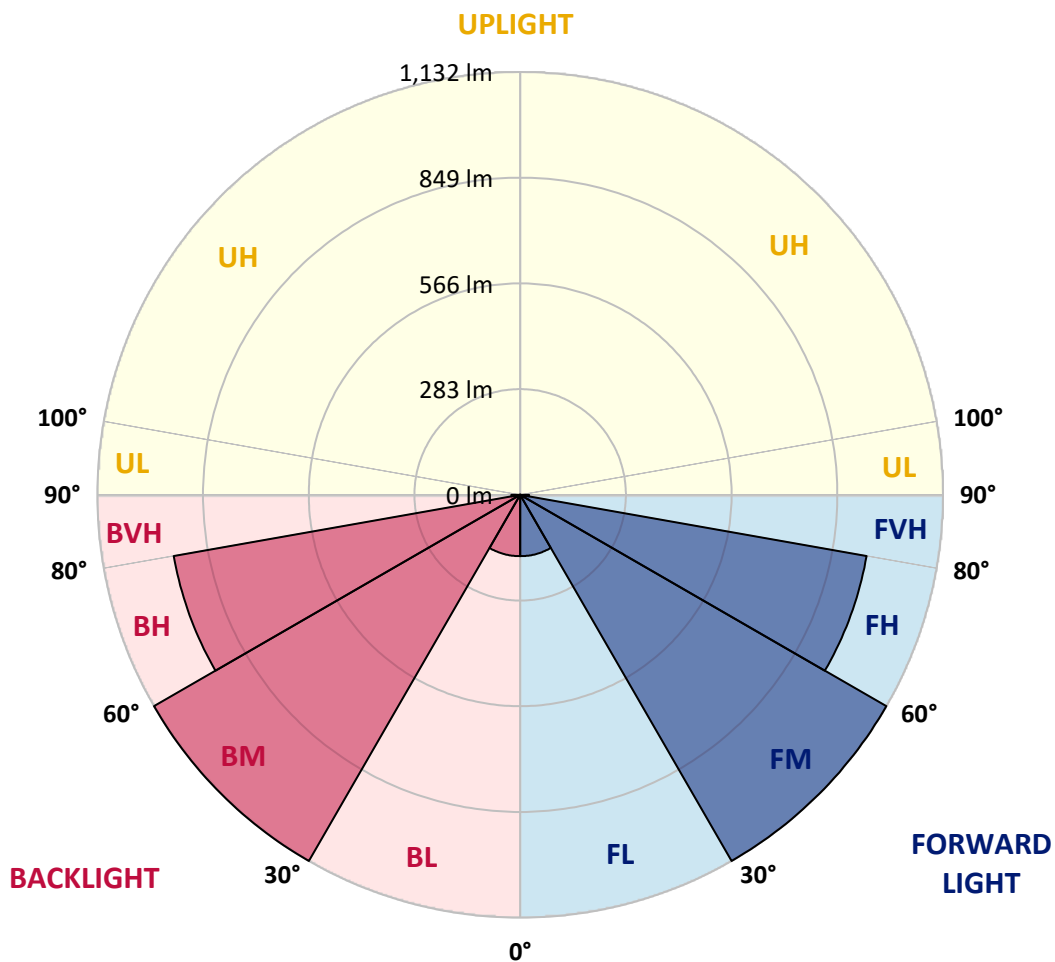
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.2	3.6			
FM (30°-60°)	1131.7	25.0			
FH (60°-80°)	941.5	20.8			G1/1800
FVH (80°-90°)	23.7	0.5			G1/100
BL (0°-30°)	164.2	3.6	B1/500		
BM (30°-60°)	1131.7	25.0	B2/2500		
BH (60°-80°)	941.5	20.8	B2/1000		G1/1800
BVH (80°-90°)	23.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2
2.5°	302.1	303.1	302.8	302.3	302.3	302.3	302.1	301.4	301.2	301.6	302.1
5°	309.1	309.1	309.1	309.1	308.7	308.7	308.1	307.7	307.9	307.4	307.2
7.5°	319.8	319.1	319.1	318.9	318.9	318.4	317.7	316.7	317.0	316.7	316.6
10°	332.5	332.7	331.9	332.7	331.5	331.4	330.4	329.9	329.7	328.9	328.9
12.5°	347.6	347.0	347.0	346.5	346.0	345.6	344.2	343.9	343.0	342.5	341.8
15°	361.9	361.7	360.7	359.8	359.6	359.1	357.4	356.5	356.3	355.2	354.2
17.5°	376.2	375.7	374.5	374.1	373.1	372.5	371.0	369.7	368.9	368.5	367.3
20°	391.4	390.9	389.8	388.8	387.6	386.7	384.6	383.4	382.7	382.0	381.1
22.5°	410.3	409.4	407.5	406.0	403.4	402.4	399.6	398.0	396.8	395.8	395.4
25°	430.9	431.1	428.6	426.4	423.4	420.8	417.3	415.4	414.3	413.4	413.1
27.5°	456.6	456.8	454.5	451.4	446.8	443.9	439.3	437.0	436.3	435.4	435.1
30°	497.3	495.2	491.2	486.3	482.0	476.0	469.2	466.9	464.6	463.8	463.8
32.5°	572.1	571.0	567.6	555.5	549.9	537.3	525.4	518.5	510.9	507.1	504.7
35°	624.6	624.0	621.4	617.3	613.7	611.2	604.1	603.0	601.6	601.6	603.4
37.5°	663.1	660.3	659.7	660.5	659.5	660.0	665.7	673.3	679.8	683.2	682.6
40°	720.1	716.1	718.4	716.8	714.7	714.2	716.1	719.2	722.2	722.2	721.5
42.5°	794.6	796.6	797.5	790.7	786.2	785.1	789.5	788.7	791.6	790.5	787.4
45°	905.5	904.4	902.7	894.5	887.4	881.9	883.1	881.4	881.7	879.8	877.4
47.5°	1017.3	1021.2	1014.5	1010.4	1002.5	998.5	1001.9	999.1	1004.4	994.6	990.0
50°	1125.8	1128.6	1126.1	1120.6	1120.6	1126.1	1130.1	1135.3	1142.8	1131.5	1114.8
52.5°	1214.5	1216.9	1220.5	1225.1	1236.5	1248.6	1265.3	1283.4	1297.6	1295.4	1276.3
55°	1268.8	1271.5	1277.4	1293.6	1314.2	1345.5	1383.6	1425.5	1458.2	1474.1	1460.1
57.5°	1287.1	1289.1	1305.1	1324.5	1356.5	1403.0	1466.8	1539.1	1602.1	1642.0	1635.6
60°	1282.9	1282.9	1299.0	1325.6	1370.5	1432.2	1522.5	1622.5	1718.9	1778.8	1769.9
62.5°	1238.7	1241.0	1264.2	1296.2	1350.3	1424.3	1531.8	1659.7	1775.0	1849.3	1842.1
65°	1141.9	1143.4	1168.6	1206.6	1267.2	1354.6	1472.2	1613.9	1746.0	1817.5	1803.9
67.5°	985.5	987.2	1007.4	1050.4	1114.5	1206.0	1332.8	1488.8	1618.1	1674.6	1634.1
70°	783.9	788.7	801.7	847.3	895.9	985.5	1102.3	1258.2	1380.3	1433.9	1389.0
72.5°	534.2	546.1	562.0	602.5	649.0	723.4	816.4	947.8	1045.8	1107.7	1067.7
75°	300.9	317.8	322.6	353.3	391.6	450.2	518.3	612.6	711.4	761.7	713.5
77.5°	130.0	143.8	149.9	164.1	194.0	218.6	260.0	323.5	400.0	435.4	377.6
80°	64.1	67.3	70.0	74.4	82.8	90.7	110.3	138.1	169.5	177.5	141.2
82.5°	49.6	51.9	56.4	59.9	62.0	64.0	66.0	69.7	72.7	74.3	70.1
85°	34.8	38.0	42.8	46.7	49.1	50.7	52.4	53.6	50.8	46.3	48.6
87.5°	9.1	11.9	16.6	18.0	20.4	21.6	21.0	21.8	19.6	14.2	15.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2
2.5°	301.9	301.6	301.8	301.8	301.8	301.6	301.6	301.6
5°	307.2	307.2	307.4	307.0	307.0	307.2	307.0	306.7
7.5°	316.3	316.1	316.1	315.9	316.1	315.9	315.9	315.6
10°	328.6	328.0	328.2	327.5	327.5	327.3	327.4	327.4
12.5°	341.6	340.8	341.1	340.5	339.3	339.5	339.7	339.4
15°	354.2	353.5	352.7	352.4	351.6	351.8	351.8	351.6
17.5°	367.1	365.7	365.4	364.7	364.5	364.5	364.5	364.7
20°	380.4	379.4	379.3	378.5	378.3	379.0	379.3	378.8
22.5°	394.6	394.2	394.6	394.2	394.9	395.4	395.5	395.1
25°	412.7	412.2	412.8	414.5	415.4	415.9	417.1	416.7
27.5°	435.8	435.4	437.0	439.3	440.7	443.1	444.2	444.7
30°	465.7	467.8	468.8	473.5	474.4	478.1	478.1	479.7
32.5°	509.2	513.2	520.2	527.4	537.5	544.7	544.7	548.5
35°	604.7	606.2	611.6	612.8	614.9	617.2	614.9	616.7
37.5°	677.8	670.5	665.4	658.1	653.8	653.7	654.1	653.7
40°	715.2	712.4	710.1	704.0	703.1	702.8	702.8	703.7
42.5°	782.1	775.3	771.5	766.3	764.8	764.3	764.1	764.6
45°	869.0	858.1	848.0	842.8	838.3	834.2	835.5	835.6
47.5°	970.3	953.2	936.8	927.9	920.2	916.7	914.4	913.7
50°	1093.5	1069.6	1048.6	1032.0	1020.8	1020.5	1021.8	1014.2
52.5°	1244.5	1206.9	1180.7	1158.2	1147.7	1146.6	1142.8	1138.6
55°	1411.9	1367.3	1324.0	1299.9	1286.1	1278.6	1274.2	1267.2
57.5°	1584.5	1524.4	1462.1	1423.6	1399.3	1382.4	1373.6	1369.6
60°	1717.5	1635.5	1553.3	1491.4	1451.0	1426.0	1410.5	1404.2
62.5°	1769.9	1658.6	1553.3	1472.0	1413.6	1379.0	1358.1	1349.0
65°	1707.4	1575.5	1455.8	1366.1	1300.8	1262.2	1239.6	1229.8
67.5°	1533.0	1416.6	1286.3	1197.0	1129.9	1091.8	1067.4	1060.0
70°	1285.2	1166.1	1041.8	962.1	902.1	871.1	845.6	842.6
72.5°	965.8	863.2	756.6	690.6	642.4	591.1	578.0	584.5
75°	619.2	523.0	428.1	368.7	324.7	275.6	256.7	261.4
77.5°	293.2	227.0	163.9	126.7	106.4	91.0	87.0	84.7
80°	108.7	88.2	77.9	73.9	71.1	68.5	66.6	64.6
82.5°	70.3	68.7	66.6	65.9	63.8	60.6	54.5	51.9
85°	52.7	52.7	49.8	50.0	48.4	44.2	38.5	35.5
87.5°	15.4	13.8	12.7	11.7	11.5	10.3	7.4	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)