

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: P180027

Luminaire Tested: **ICS-E02-LED-E1-5MQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180027
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: ICS-E02-LED-E1-5MQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5300.3 lumens
Efficiency: N/A
Efficacy: 101.7 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: B3 - U0 - G1

Input Watts (W): 52.1
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

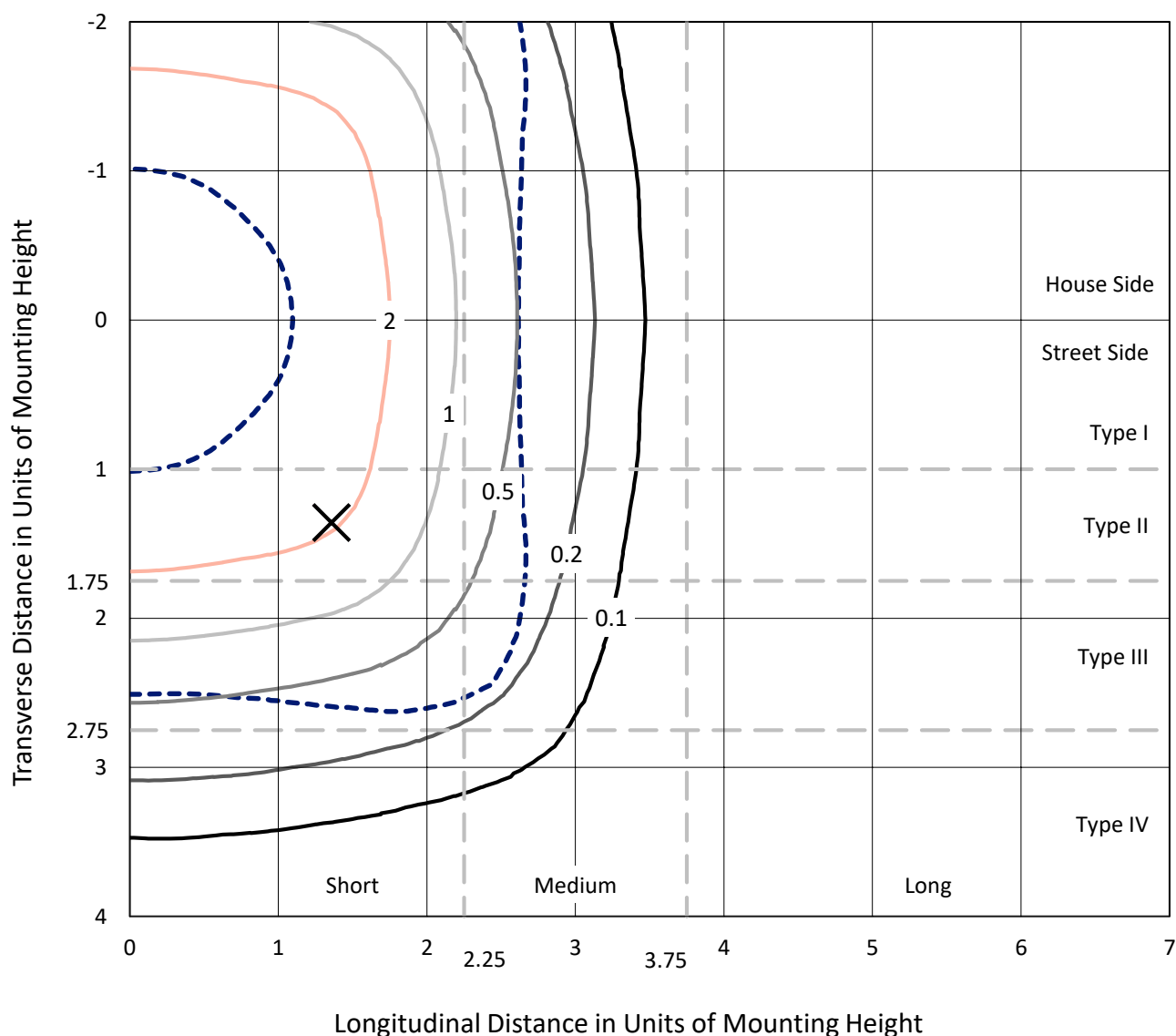


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

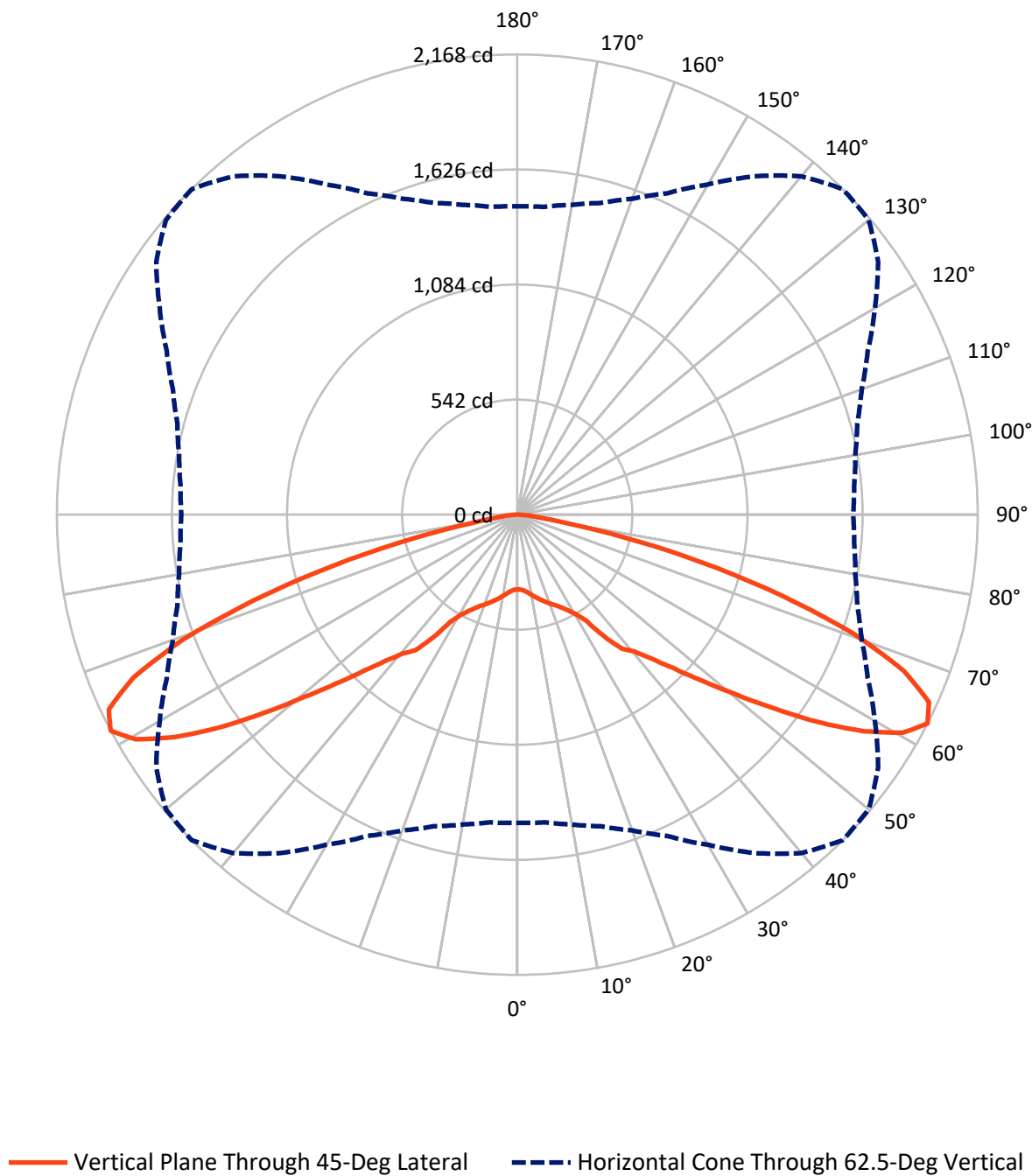


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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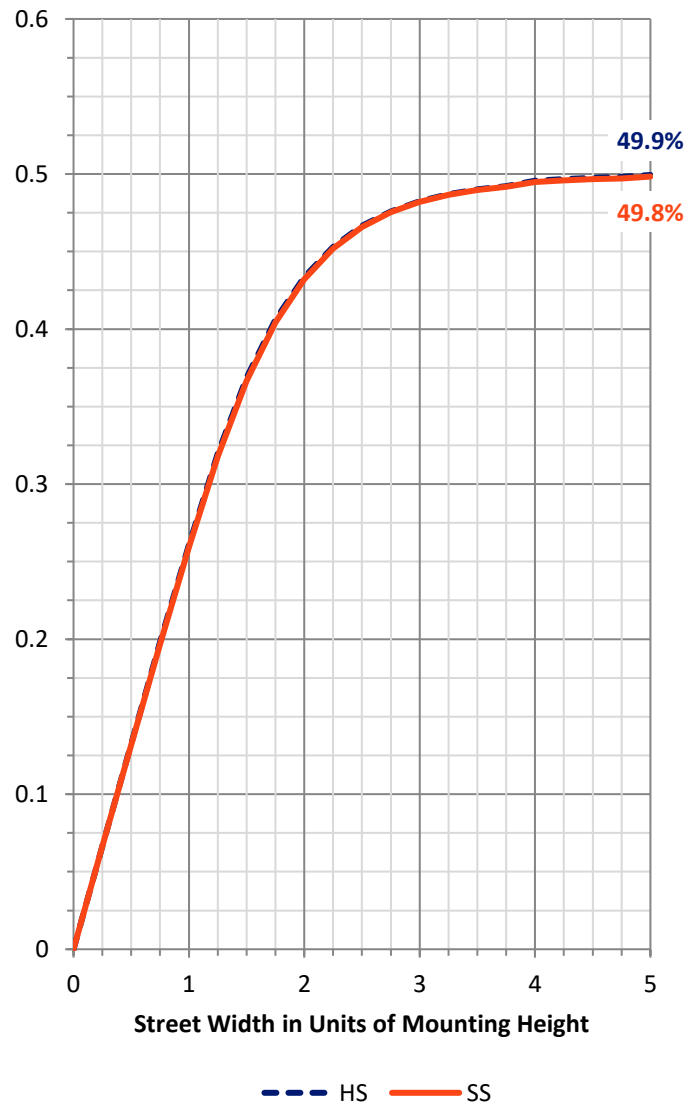
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2650.1	0.0	2650.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2650.1	0.0	2650.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5300.3	0.0	5300.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	0.7
10°-20°	119.2	2.2
20°-30°	230.5	4.3
30°-40°	446.2	8.4
40°-50°	805.7	15.2
50°-60°	1400.9	26.4
60°-70°	1590.4	30.0
70°-80°	616.6	11.6
80°-90°	55.6	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°	5300.3	100.0
0°-180°	5300.3	100.0

Coefficient of Utilization



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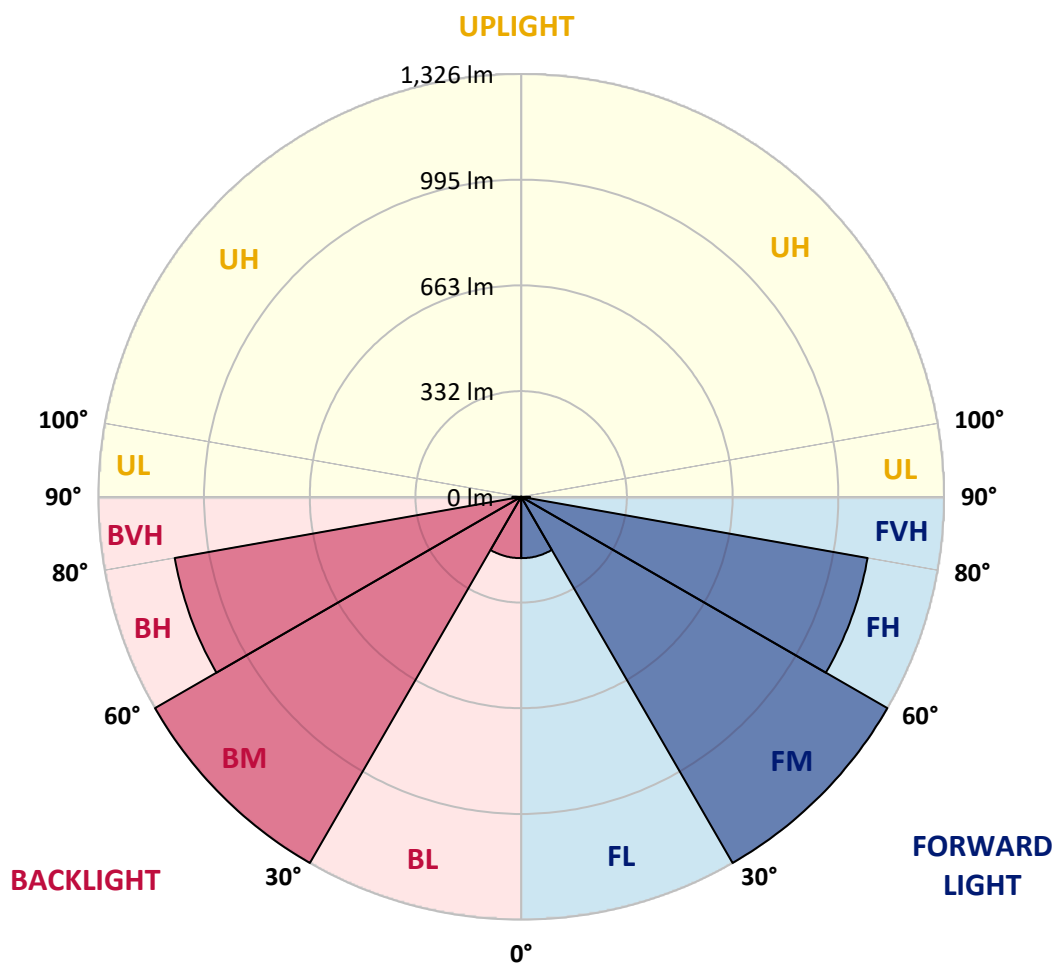
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.4	3.6			
FM	(30°-60°)	1326.4	25.0			
FH	(60°-80°)	1103.5	20.8			G1/1800
FVH	(80°-90°)	27.8	0.5			G1/100
BL	(0°-30°)	192.4	3.6	B1/500		
BM	(30°-60°)	1326.4	25.0	B2/2500		
BH	(60°-80°)	1103.5	20.8	B3/2500		G1/1800
BVH	(80°-90°)	27.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8
2.5°	354.0	355.1	354.8	354.3	354.3	354.3	354.0	353.2	353.0	353.5	354.0
5°	362.2	362.2	362.2	362.2	361.7	361.7	361.2	360.6	360.9	360.4	360.1
7.5°	374.8	374.0	374.0	373.8	373.8	373.2	372.4	371.3	371.6	371.3	371.0
10°	389.7	390.0	389.2	390.0	388.6	388.3	387.2	386.6	386.3	385.5	385.6
12.5°	407.4	406.7	406.6	406.1	405.6	405.0	403.4	403.1	402.0	401.4	400.6
15°	424.2	423.9	422.8	421.7	421.4	420.9	419.0	417.8	417.6	416.2	415.2
17.5°	440.9	440.4	439.0	438.4	437.4	436.5	434.9	433.2	432.4	431.8	430.5
20°	458.7	458.2	456.8	455.7	454.4	453.2	450.8	449.4	448.6	447.8	446.6
22.5°	480.9	479.8	477.6	475.7	472.7	471.6	468.3	466.4	465.0	463.9	463.4
25°	505.0	505.3	502.3	499.8	496.2	493.2	489.1	487.0	485.6	484.4	484.2
27.5°	535.2	535.4	532.7	529.2	523.6	520.4	514.9	512.1	511.3	510.2	510.0
30°	582.8	580.3	575.8	570.0	565.0	557.9	550.0	547.2	544.5	543.6	543.7
32.5°	670.5	669.2	665.3	651.0	644.5	629.7	615.8	607.8	598.7	594.4	591.6
35°	731.9	731.4	728.3	723.4	719.3	716.3	708.0	706.6	705.0	705.0	707.2
37.5°	777.2	773.8	773.3	774.1	773.0	773.6	780.2	789.2	796.8	800.6	800.2
40°	844.0	839.4	842.1	840.2	837.7	837.2	839.4	842.8	846.4	846.4	845.6
42.5°	931.4	933.6	934.7	926.8	921.5	920.2	925.4	924.2	927.8	926.5	922.9
45°	1061.3	1059.9	1058.0	1048.4	1040.2	1033.6	1035.0	1033.0	1033.4	1031.2	1028.4
47.5°	1192.2	1196.9	1189.0	1184.3	1175.0	1170.4	1174.2	1170.9	1177.2	1165.6	1160.2
50°	1319.4	1322.7	1320.0	1313.4	1313.4	1320.0	1324.6	1330.6	1339.4	1326.2	1306.6
52.5°	1423.6	1426.3	1430.4	1435.8	1449.2	1463.3	1483.0	1504.1	1520.8	1518.4	1495.9
55°	1487.1	1490.4	1497.2	1516.1	1540.3	1577.0	1621.6	1670.7	1709.0	1727.7	1711.2
57.5°	1508.5	1511.0	1529.6	1552.3	1589.8	1644.4	1719.2	1803.8	1877.6	1924.4	1917.0
60°	1503.6	1503.6	1522.4	1553.7	1606.3	1678.6	1784.4	1901.7	2014.6	2084.8	2074.3
62.5°	1451.8	1454.5	1481.6	1519.2	1582.8	1669.3	1795.4	1945.2	2080.4	2167.5	2159.0
65°	1338.3	1340.2	1369.6	1414.2	1485.2	1587.7	1725.5	1891.6	2046.4	2130.2	2114.4
67.5°	1155.0	1156.9	1180.8	1231.2	1306.2	1413.4	1562.2	1745.0	1896.5	1962.8	1915.2
70°	918.8	924.2	939.6	993.0	1050.0	1154.9	1292.0	1474.8	1617.8	1680.6	1628.0
72.5°	626.2	640.1	658.7	706.2	760.7	847.8	956.9	1110.8	1225.7	1298.3	1251.4
75°	352.7	372.4	378.2	414.0	459.0	527.8	607.5	717.9	833.8	892.8	836.3
77.5°	152.4	168.6	175.6	192.4	227.4	256.2	304.7	379.2	468.8	510.2	442.6
80°	75.1	78.9	82.0	87.1	97.0	106.4	129.4	162.0	198.6	208.0	165.5
82.5°	58.0	60.8	66.0	70.2	72.6	75.1	77.3	81.6	85.2	87.2	82.2
85°	40.8	44.3	50.2	54.8	57.6	59.4	61.4	62.8	59.4	54.3	57.0
87.5°	10.6	14.0	19.5	21.1	23.8	25.2	24.7	25.5	23.0	16.7	18.6
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°	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8
2.5°	353.8	353.5	353.8	353.8	353.8	353.5	353.5	353.5
5°	360.0	360.0	360.4	359.8	359.8	360.0	359.8	359.5
7.5°	370.8	370.4	370.5	370.2	370.5	370.2	370.2	369.9
10°	385.0	384.5	384.7	383.9	383.9	383.6	383.6	383.6
12.5°	400.4	399.5	399.8	399.0	397.6	397.9	398.2	397.9
15°	415.2	414.3	413.5	413.0	412.2	412.4	412.4	412.1
17.5°	430.2	428.6	428.3	427.4	427.2	427.2	427.2	427.5
20°	445.8	444.8	444.4	443.6	443.4	444.2	444.5	443.9
22.5°	462.6	462.0	462.6	462.0	462.8	463.4	463.6	463.1
25°	483.6	483.1	484.0	485.8	487.0	487.5	488.8	488.3
27.5°	510.8	510.2	512.2	514.9	516.6	519.3	520.6	521.2
30°	545.8	548.4	549.4	554.9	556.0	560.4	560.4	562.3
32.5°	596.8	601.5	609.7	618.2	630.0	638.5	638.4	642.9
35°	708.6	710.6	716.8	718.2	720.6	723.4	720.7	722.9
37.5°	794.4	785.9	779.8	771.3	766.2	766.2	766.7	766.2
40°	838.2	835.0	832.2	825.0	824.0	823.7	823.7	824.8
42.5°	916.6	908.6	904.2	898.2	896.3	895.8	895.5	896.0
45°	1018.6	1005.6	993.8	987.8	982.6	977.7	979.4	979.3
47.5°	1137.2	1117.2	1098.0	1087.6	1078.6	1074.4	1071.7	1070.9
50°	1281.6	1253.6	1229.0	1209.5	1196.4	1196.1	1197.5	1188.7
52.5°	1458.6	1414.5	1383.8	1357.5	1345.2	1343.8	1339.4	1334.5
55°	1654.8	1602.4	1551.8	1523.6	1507.4	1498.6	1493.4	1485.2
57.5°	1857.0	1786.6	1713.8	1668.5	1640.0	1620.3	1609.9	1605.2
60°	2013.0	1916.8	1820.6	1748.0	1700.6	1671.2	1653.2	1645.8
62.5°	2074.4	1943.8	1820.6	1725.2	1656.7	1616.1	1591.8	1581.1
65°	2001.2	1846.6	1706.4	1601.1	1524.6	1479.4	1452.8	1441.3
67.5°	1796.8	1660.2	1507.7	1403.0	1324.4	1279.6	1250.9	1242.4
70°	1506.2	1366.8	1221.0	1127.6	1057.4	1021.0	991.2	987.6
72.5°	1132.0	1011.7	886.7	809.4	753.0	692.7	677.4	685.1
75°	725.6	613.0	501.7	432.2	380.6	323.0	300.9	306.4
77.5°	343.6	266.1	192.0	148.6	124.7	106.6	101.9	99.2
80°	127.4	103.4	91.2	86.6	83.3	80.3	78.1	75.6
82.5°	82.5	80.6	78.1	77.3	74.8	71.0	63.8	60.8
85°	61.6	61.6	58.4	58.6	56.7	51.8	45.2	41.7
87.5°	18.1	16.2	14.8	13.7	13.4	12.1	8.8	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)