

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: P180127

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180127
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E02-LED-E1-5WQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5234.6 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-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



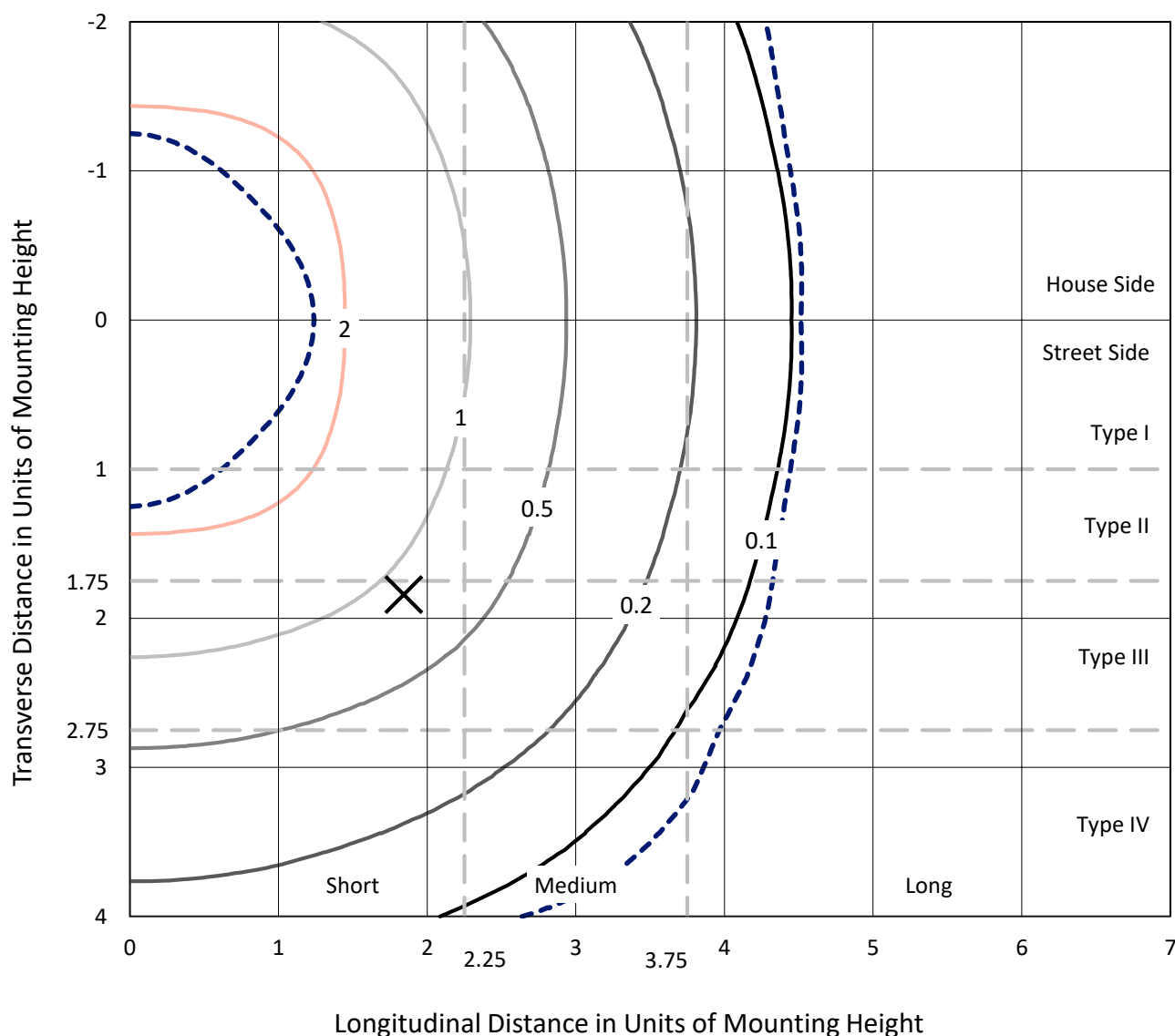
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

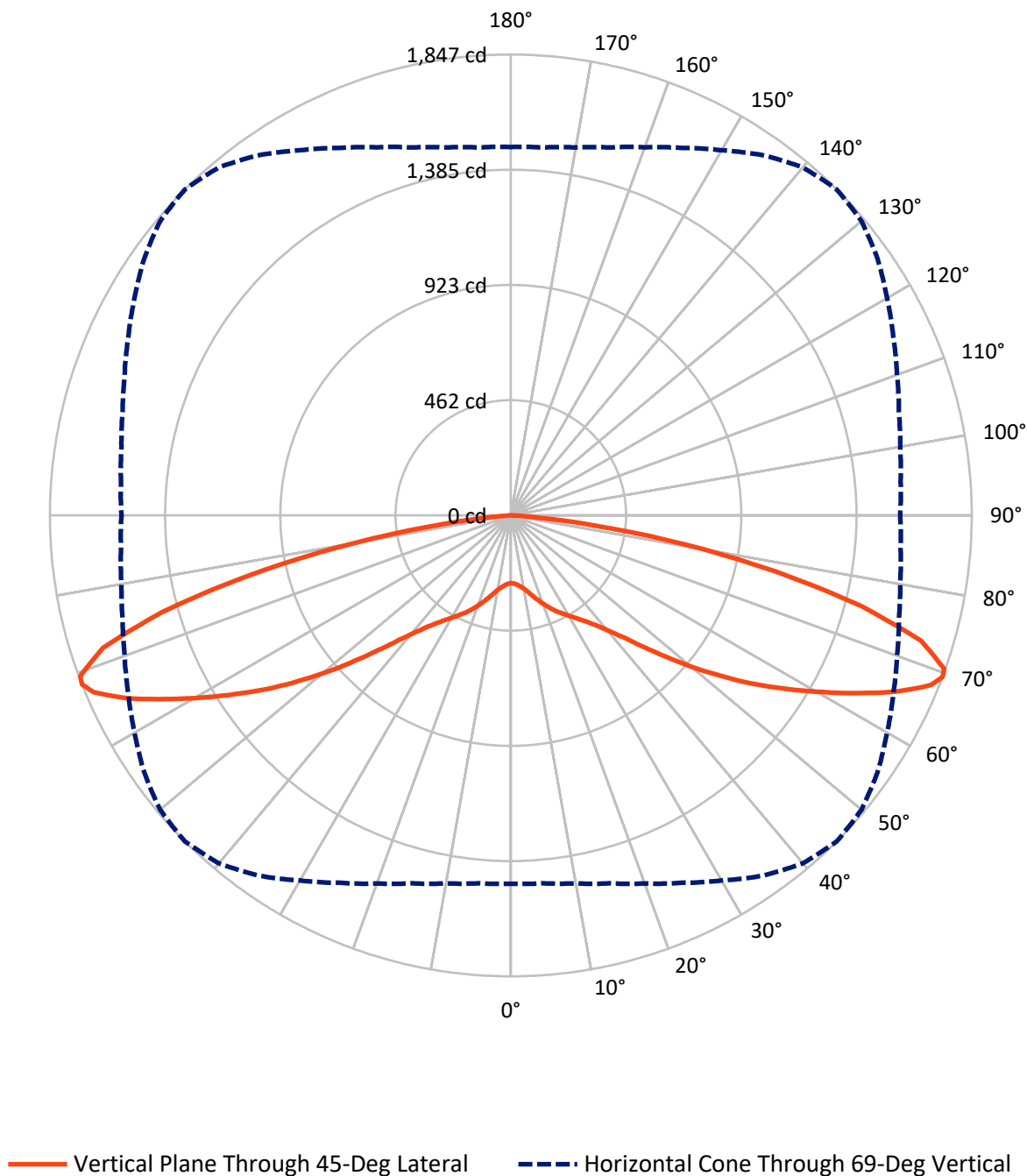


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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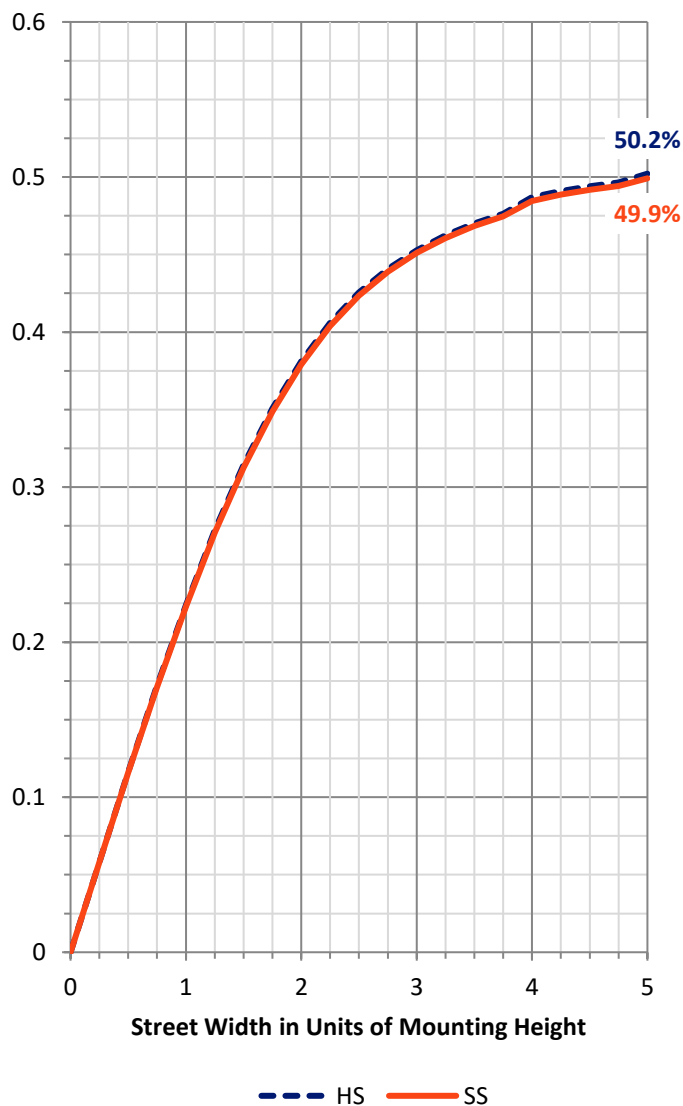
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2617.3	0.0	2617.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2617.3	0.0	2617.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5234.6	0.0	5234.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	0.5
10°-20°	96.4	1.8
20°-30°	195.2	3.7
30°-40°	327.2	6.3
40°-50°	577.2	11.0
50°-60°	1017.8	19.4
60°-70°	1553.9	29.7
70°-80°	1298.5	24.8
80°-90°	141.1	2.7
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°	5234.6	100.0
0°-180°	5234.6	100.0

Coefficient of Utilization



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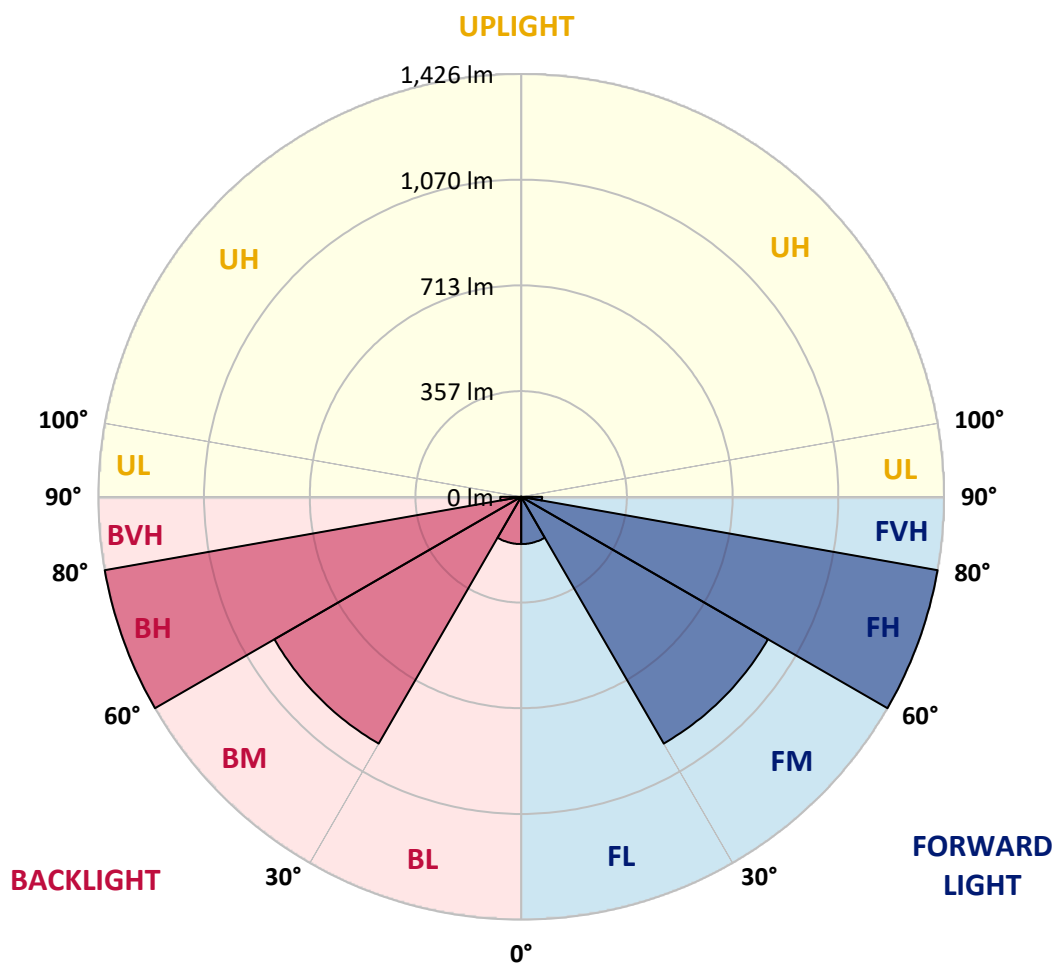
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	159.4	3.0			
FM	(30°-60°)	961.1	18.4			
FH	(60°-80°)	1426.2	27.2			G1/1800
FVH	(80°-90°)	70.5	1.3			G1/100
BL	(0°-30°)	159.4	3.0	B1/500		
BM	(30°-60°)	961.1	18.4	B1/1000		
BH	(60°-80°)	1426.2	27.2	B3/2500		G1/1800
BVH	(80°-90°)	70.5	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	271.8	271.8	271.8	271.8	271.8	271.8	271.8	271.8	271.8	271.8	271.8
2.5°	274.0	274.6	274.0	274.0	274.0	274.0	274.0	273.5	273.5	273.5	274.0
5°	279.5	280.0	279.5	280.0	280.0	280.0	280.0	279.5	279.5	279.5	279.5
7.5°	288.3	288.3	288.3	288.8	288.3	288.3	288.8	288.3	288.3	288.3	288.3
10°	300.9	300.3	300.3	300.3	300.3	300.3	300.9	300.9	300.9	300.3	300.3
12.5°	316.2	315.7	316.2	316.2	316.8	316.8	316.8	316.8	316.8	316.8	316.2
15°	334.9	334.9	334.9	335.4	336.5	336.5	335.9	336.5	336.5	336.5	336.5
17.5°	355.7	356.8	355.7	356.2	356.8	356.2	357.3	357.9	358.4	357.9	356.2
20°	377.1	377.6	377.6	377.6	377.6	378.7	379.2	379.2	380.9	380.3	379.8
22.5°	397.3	398.4	398.4	399.0	399.0	400.6	400.6	400.6	401.7	402.8	401.7
25°	418.7	418.2	418.2	419.3	419.8	422.0	422.0	423.1	424.7	425.3	424.2
27.5°	437.9	437.3	437.3	439.0	439.5	442.3	442.3	444.5	445.6	446.1	445.0
30°	458.2	458.2	457.6	459.3	460.9	463.1	464.2	466.4	468.0	468.6	467.5
32.5°	482.3	481.2	481.7	482.8	483.9	486.1	487.8	490.5	492.7	493.2	492.1
35°	509.7	508.0	508.6	509.7	511.3	514.6	517.3	519.0	522.3	523.4	521.2
37.5°	539.8	540.4	539.8	542.6	545.3	549.1	552.4	554.6	557.9	559.5	557.9
40°	582.6	580.9	582.6	585.3	589.7	594.6	601.2	602.8	606.1	609.4	605.6
42.5°	637.9	636.8	640.7	642.9	647.8	653.3	661.5	665.9	670.8	673.0	669.7
45°	710.3	710.3	714.6	715.2	722.9	730.0	741.5	747.0	756.3	756.3	756.3
47.5°	790.3	793.6	796.3	801.8	807.3	820.4	831.9	844.0	852.8	853.8	852.2
50°	873.0	876.3	884.5	892.2	904.3	920.7	933.3	949.2	956.9	963.5	961.3
52.5°	964.6	965.1	975.0	984.8	1002.4	1020.5	1040.7	1057.2	1070.9	1076.9	1072.0
55°	1064.8	1065.9	1074.7	1085.1	1104.8	1125.7	1150.9	1167.9	1185.4	1196.4	1188.2
57.5°	1173.4	1173.9	1182.7	1195.3	1218.8	1239.7	1263.8	1287.9	1304.3	1314.2	1308.7
60°	1293.4	1296.1	1302.7	1318.6	1341.1	1363.0	1387.1	1408.5	1427.6	1438.1	1432.6
62.5°	1421.6	1424.4	1433.7	1446.3	1466.0	1490.1	1513.1	1540.5	1556.4	1567.9	1559.7
65°	1507.7	1512.6	1527.4	1544.4	1573.4	1604.7	1631.5	1668.8	1688.0	1701.7	1694.0
67.5°	1513.1	1515.9	1534.0	1559.7	1598.6	1645.8	1700.6	1758.7	1796.5	1814.6	1801.4
69°	1475.9	1479.7	1497.2	1526.3	1569.6	1624.4	1689.6	1761.9	1820.0	1846.9	1834.3
70°	1433.7	1441.9	1461.1	1492.9	1535.1	1592.6	1660.0	1737.3	1805.2	1842.0	1832.6
72.5°	1344.9	1347.1	1359.7	1384.9	1417.2	1464.9	1528.5	1601.4	1666.0	1718.7	1726.3
75°	1193.6	1200.8	1210.1	1227.1	1243.5	1278.0	1320.8	1370.6	1408.5	1449.0	1450.7
77.5°	902.1	923.4	930.6	934.4	941.5	968.9	1006.2	1049.5	1080.7	1087.3	1086.2
80°	405.0	433.5	440.1	471.3	490.5	536.0	593.0	659.3	703.7	708.6	696.6
82.5°	79.5	84.9	99.2	123.9	168.8	195.7	232.9	279.5	322.2	346.9	332.1
85°	26.3	28.0	32.3	35.6	41.1	46.6	56.4	70.1	87.1	96.5	86.0
87.5°	10.4	10.4	12.1	13.2	14.2	14.2	14.2	13.2	12.6	10.4	9.3
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°	271.8	271.8	271.8	271.8	271.8	271.8	271.8	271.8
2.5°	273.5	273.5	273.5	273.5	273.5	273.5	273.5	273.5
5°	279.5	279.0	279.0	278.4	278.4	278.4	278.4	278.4
7.5°	287.7	287.2	286.6	287.2	286.6	286.6	286.6	286.6
10°	300.3	299.2	298.7	298.1	298.1	298.1	297.6	297.6
12.5°	315.1	315.1	314.6	314.0	312.9	313.5	312.9	311.8
15°	335.4	334.3	333.8	333.2	332.1	332.1	332.1	331.6
17.5°	355.7	354.6	354.6	352.9	352.4	352.4	352.4	352.9
20°	378.1	376.5	375.4	374.3	373.2	373.8	372.7	373.8
22.5°	400.6	398.4	397.3	395.7	394.0	394.0	393.5	392.4
25°	422.5	419.8	418.7	417.1	414.9	414.9	413.8	412.7
27.5°	443.4	440.6	439.5	436.2	434.0	433.5	432.4	431.9
30°	466.4	463.1	461.4	458.2	454.9	454.3	452.7	452.7
32.5°	490.5	487.2	486.1	481.2	478.4	478.4	477.3	476.2
35°	520.6	515.7	514.6	509.7	505.8	505.8	504.7	505.3
37.5°	556.3	552.4	548.6	544.8	540.4	539.8	538.7	537.6
40°	603.9	599.6	595.2	589.7	585.9	584.8	583.1	582.6
42.5°	667.5	663.1	654.4	650.0	646.1	642.9	642.3	641.8
45°	748.6	743.1	737.1	728.9	724.0	716.8	715.7	713.0
47.5°	846.2	835.8	825.3	818.2	810.6	802.3	800.7	796.3
50°	949.8	941.5	924.0	912.5	900.4	892.2	886.7	885.1
52.5°	1061.0	1045.7	1028.1	1012.8	995.2	984.3	974.4	971.7
55°	1177.2	1155.3	1133.3	1115.3	1097.7	1084.6	1075.3	1070.9
57.5°	1293.4	1269.3	1245.1	1225.4	1210.6	1193.6	1184.3	1182.1
60°	1414.5	1391.5	1366.8	1347.1	1329.0	1314.2	1308.7	1298.3
62.5°	1542.7	1518.6	1495.6	1476.4	1453.4	1443.0	1433.7	1427.6
65°	1668.8	1640.8	1611.8	1591.5	1568.5	1553.7	1542.2	1534.0
67.5°	1766.3	1724.1	1685.2	1651.2	1620.0	1597.0	1582.2	1574.5
69°	1793.7	1741.1	1691.3	1646.9	1610.1	1584.4	1567.9	1560.3
70°	1790.4	1732.4	1677.6	1628.8	1588.8	1561.4	1545.5	1531.2
72.5°	1689.1	1635.9	1575.1	1521.9	1485.7	1459.4	1443.5	1435.9
75°	1441.3	1405.7	1361.9	1320.8	1294.5	1279.1	1259.4	1259.9
77.5°	1049.5	1050.6	1021.0	978.8	949.2	943.7	935.0	926.2
80°	651.1	599.0	565.0	519.5	486.1	457.1	444.5	417.1
82.5°	300.3	234.6	181.9	137.6	105.8	82.8	72.3	59.2
85°	66.9	51.0	42.2	34.0	29.0	26.9	21.9	20.3
87.5°	9.3	8.2	7.7	7.1	6.0	4.4	3.3	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)