

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: STREETWORKS

Report Number: P147568

Luminaire Tested: **AVS-E02-LED-E-U-5MQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147568
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E02-LED-E-U-5MQ-8030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5441.7 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
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: 28.75 FT



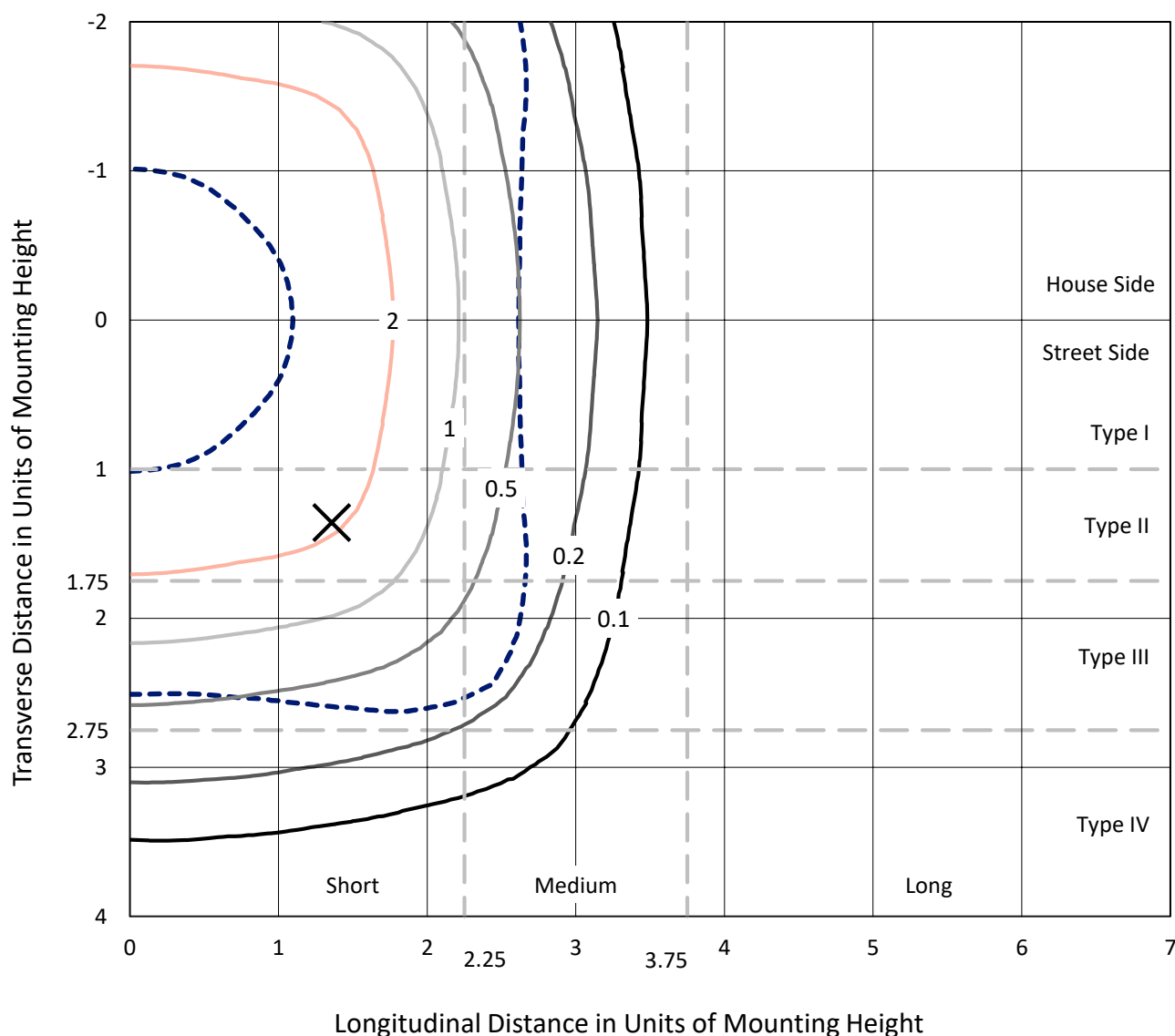
REPORT NUMBER: P147568

CATALOG NUMBER: AVS-E02-LED-E-U-5MQ-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

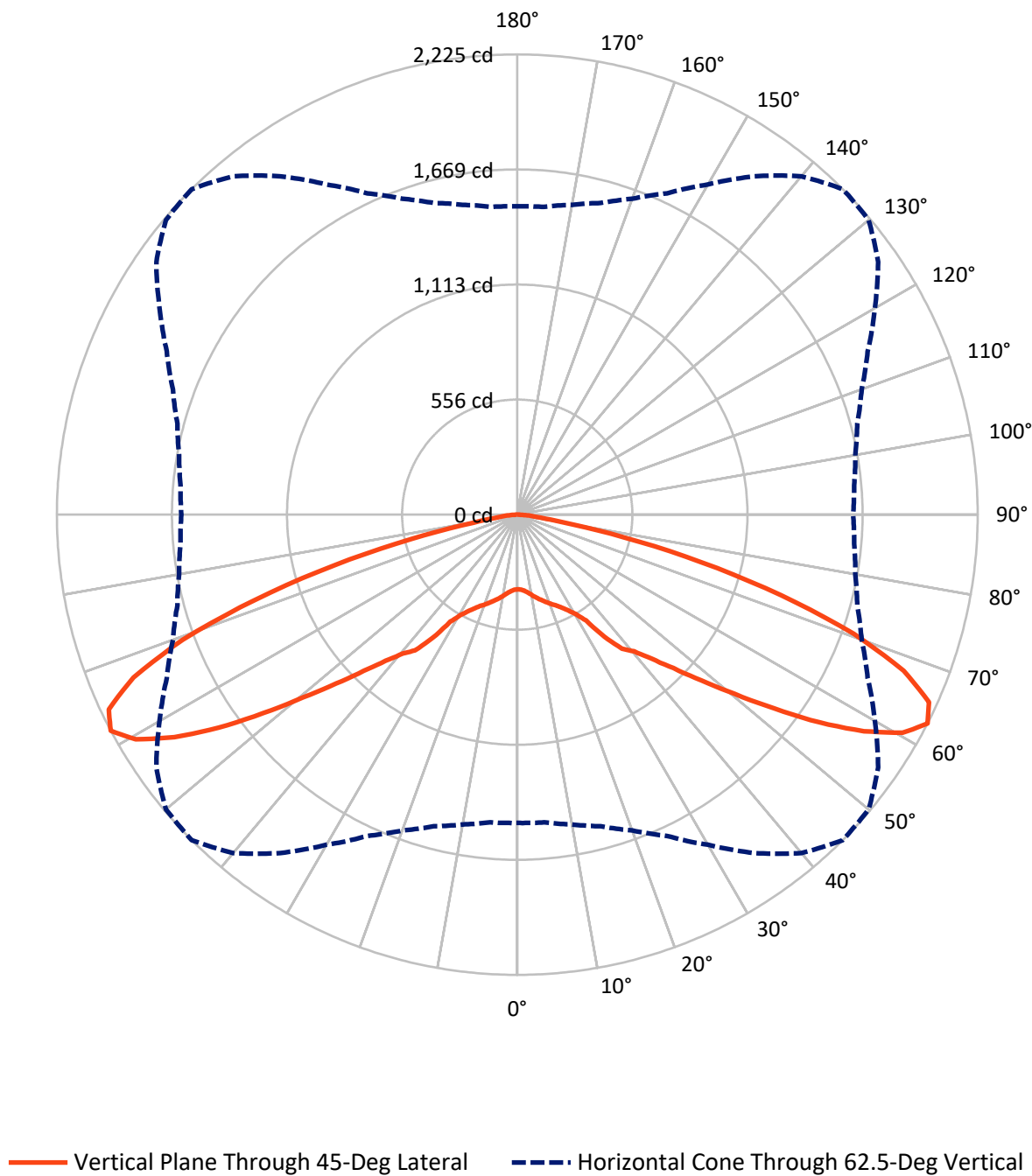


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P147568

CATALOG NUMBER: AVS-E02-LED-E-U-5MQ-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P147568

CATALOG NUMBER: AVS-E02-LED-E-U-5MQ-8030

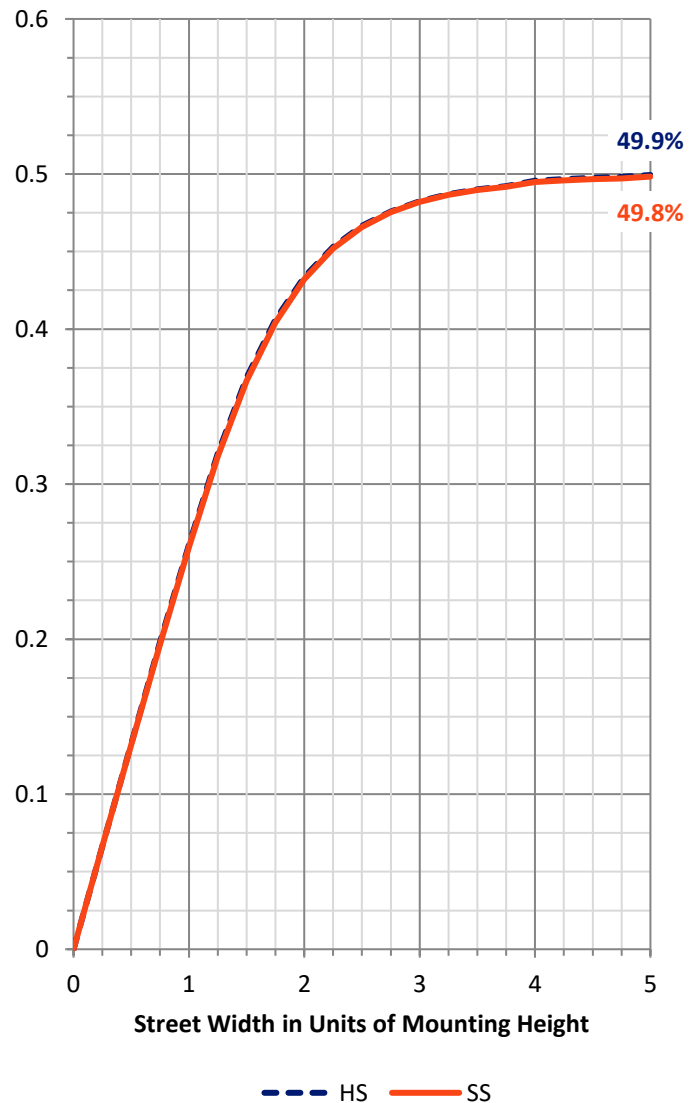
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2720.8	0.0	2720.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2720.8	0.0	2720.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5441.7	0.0	5441.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	0.7
10°-20°	122.4	2.2
20°-30°	236.6	4.3
30°-40°	458.1	8.4
40°-50°	827.1	15.2
50°-60°	1438.3	26.4
60°-70°	1632.8	30.0
70°-80°	633.0	11.6
80°-90°	57.1	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°	5441.7	100.0
0°-180°	5441.7	100.0

Coefficient of Utilization



REPORT NUMBER: P147568

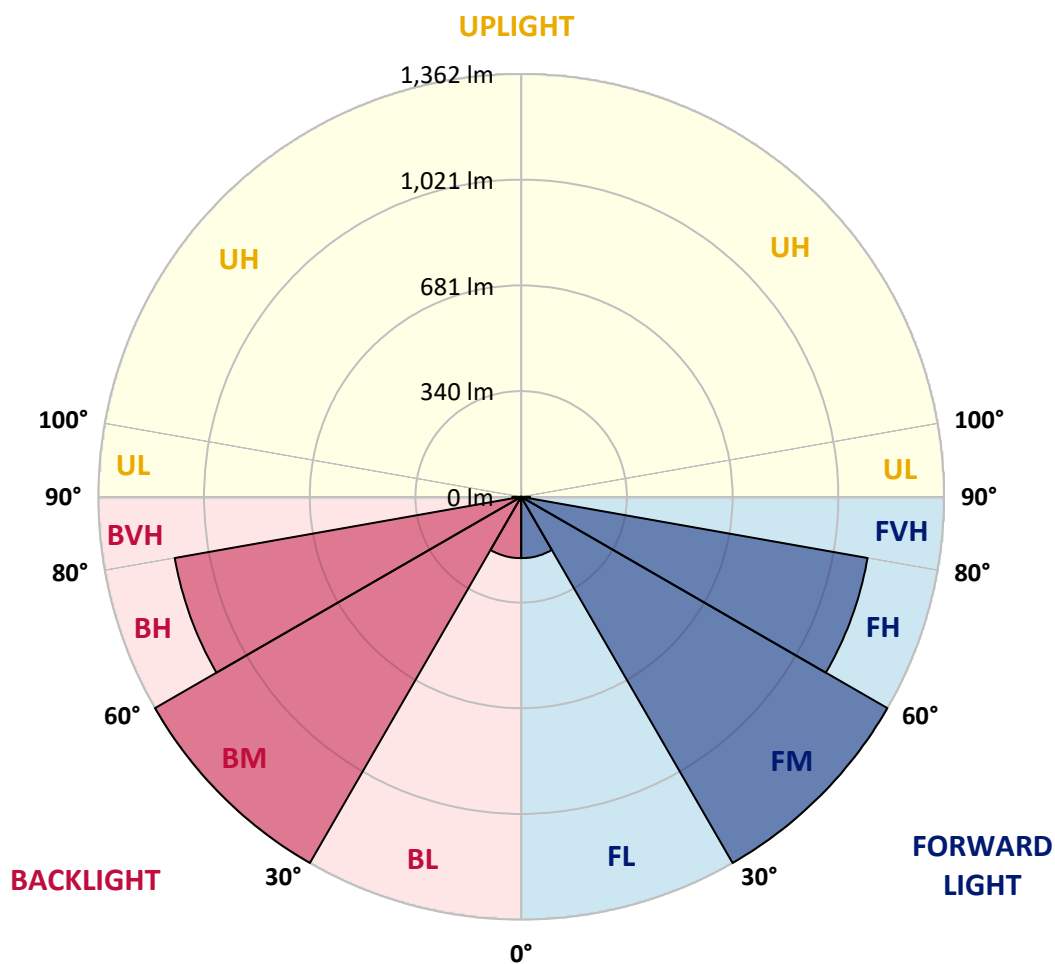
CATALOG NUMBER: AVS-E02-LED-E-U-5MQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.6	3.6			
FM	(30°-60°)	1361.8	25.0			
FH	(60°-80°)	1132.9	20.8			G1/1800
FVH	(80°-90°)	28.6	0.5			G1/100
BL	(0°-30°)	197.6	3.6	B1/500		
BM	(30°-60°)	1361.8	25.0	B2/2500		
BH	(60°-80°)	1132.9	20.8	B3/2500		G1/1800
BVH	(80°-90°)	28.6	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





REPORT NUMBER: P147568

CATALOG NUMBER: AVS-E02-LED-E-U-5MQ-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2
2.5°	363.5	364.6	364.4	363.7	363.7	363.7	363.5	362.6	362.3	362.9	363.5
5°	371.9	371.9	371.9	371.9	371.4	371.4	370.8	370.2	370.6	369.9	369.7
7.5°	384.9	384.0	384.0	383.7	383.7	383.2	382.4	381.2	381.5	381.1	380.9
10°	400.0	400.4	399.5	400.3	399.0	398.7	397.5	396.9	396.7	395.9	395.9
12.5°	418.3	417.5	417.4	417.0	416.4	415.8	414.1	413.9	412.7	412.2	411.4
15°	435.4	435.2	434.1	433.0	432.7	432.1	430.2	429.0	428.8	427.4	426.2
17.5°	452.6	452.0	450.7	450.2	449.0	448.1	446.4	444.8	443.9	443.3	442.0
20°	470.9	470.5	469.0	467.8	466.5	465.3	462.8	461.3	460.5	459.7	458.7
22.5°	493.7	492.6	490.4	488.4	485.3	484.1	480.8	478.8	477.4	476.3	475.6
25°	518.5	518.8	515.6	513.2	509.4	506.3	502.2	499.9	498.5	497.4	497.2
27.5°	549.4	549.6	546.9	543.2	537.6	534.3	528.7	525.8	525.0	523.8	523.5
30°	598.3	595.9	591.1	585.2	580.1	572.8	564.6	561.9	559.0	558.1	558.1
32.5°	688.4	687.0	683.1	668.4	661.8	646.4	632.1	624.0	614.7	610.2	607.5
35°	751.5	750.9	747.8	742.7	738.4	735.4	726.9	725.6	723.9	723.9	726.1
37.5°	797.8	794.4	794.0	794.8	793.6	794.2	801.0	810.3	818.1	822.1	821.5
40°	866.5	861.8	864.5	862.6	860.0	859.5	861.8	865.4	869.0	869.0	868.2
42.5°	956.3	958.5	959.6	951.5	946.1	944.7	950.1	948.9	952.5	951.2	947.6
45°	1089.5	1088.2	1086.2	1076.4	1068.0	1061.2	1062.6	1060.6	1060.9	1058.7	1055.9
47.5°	1224.0	1228.8	1220.7	1216.0	1206.4	1201.6	1205.5	1202.1	1208.6	1196.7	1191.1
50°	1354.6	1357.9	1355.2	1348.4	1348.4	1355.2	1360.0	1366.1	1375.1	1361.7	1341.3
52.5°	1461.6	1464.2	1468.6	1474.2	1487.9	1502.3	1522.5	1544.2	1561.5	1558.9	1535.9
55°	1526.8	1530.2	1537.2	1556.6	1581.3	1619.1	1664.9	1715.2	1754.6	1773.8	1756.9
57.5°	1548.8	1551.2	1570.4	1593.8	1632.3	1688.3	1765.1	1852.0	1927.7	1975.8	1968.2
60°	1543.6	1543.6	1563.1	1595.1	1649.1	1723.4	1832.0	1952.4	2068.4	2140.3	2129.6
62.5°	1490.6	1493.3	1521.2	1559.7	1625.0	1713.8	1843.3	1997.1	2135.9	2225.3	2216.6
65°	1374.0	1376.0	1406.0	1451.9	1524.8	1630.1	1771.6	1942.0	2100.9	2187.0	2170.8
67.5°	1185.8	1187.8	1212.2	1264.0	1341.1	1451.2	1603.9	1791.5	1947.2	2015.1	1966.2
70°	943.2	949.0	964.7	1019.5	1078.1	1185.8	1326.4	1514.1	1660.9	1725.4	1671.4
72.5°	642.9	657.2	676.3	725.0	780.9	870.5	982.4	1140.5	1258.4	1333.0	1284.8
75°	362.1	382.4	388.2	425.1	471.2	541.9	623.7	737.1	856.2	916.6	858.7
77.5°	156.5	173.1	180.3	197.5	233.6	263.0	312.8	389.4	481.3	523.8	454.3
80°	77.1	81.0	84.1	89.5	99.6	109.2	132.7	166.2	203.9	213.5	169.9
82.5°	59.7	62.5	67.8	72.0	74.6	77.1	79.4	83.8	87.5	89.5	84.4
85°	41.9	45.6	51.5	56.3	59.1	61.0	63.0	64.5	61.1	55.8	58.4
87.5°	11.0	14.3	19.9	21.7	24.5	25.8	25.3	26.1	23.6	17.1	19.1
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: P147568

CATALOG NUMBER: AVS-E02-LED-E-U-5MQ-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2
2.5°	363.2	362.9	363.2	363.2	363.2	362.9	362.9	362.9
5°	369.7	369.7	369.9	369.3	369.4	369.7	369.4	369.1
7.5°	380.6	380.3	380.3	380.1	380.3	380.1	380.1	379.8
10°	395.3	394.7	395.0	394.2	394.1	393.8	393.8	393.9
12.5°	411.0	410.2	410.5	409.6	408.2	408.5	408.8	408.5
15°	426.2	425.3	424.6	424.0	423.1	423.4	423.4	423.1
17.5°	441.7	440.0	439.8	438.9	438.5	438.5	438.5	438.9
20°	457.7	456.6	456.4	455.4	455.1	456.0	456.4	455.8
22.5°	474.8	474.4	474.9	474.3	475.2	475.8	476.1	475.4
25°	496.6	496.0	496.8	498.9	499.9	500.5	502.0	501.3
27.5°	524.4	523.8	525.8	528.7	530.4	533.1	534.5	535.1
30°	560.4	562.9	564.1	569.7	570.8	575.3	575.3	577.3
32.5°	612.7	617.5	625.9	634.6	646.8	655.5	655.5	660.0
35°	727.5	729.4	736.0	737.4	739.9	742.7	739.9	742.2
37.5°	815.5	806.8	800.6	791.9	786.5	786.5	787.2	786.6
40°	860.5	857.2	854.4	847.0	846.0	845.7	845.7	846.8
42.5°	941.0	932.8	928.4	922.2	920.2	919.7	919.4	920.0
45°	1045.7	1032.5	1020.3	1014.2	1008.9	1003.7	1005.5	1005.5
47.5°	1167.5	1146.9	1127.3	1116.6	1107.4	1103.1	1100.3	1099.5
50°	1315.8	1287.0	1261.8	1241.8	1228.3	1228.0	1229.4	1220.4
52.5°	1497.6	1452.2	1420.7	1393.7	1381.0	1379.7	1375.1	1370.1
55°	1699.0	1645.2	1593.2	1564.1	1547.6	1538.5	1533.3	1524.8
57.5°	1906.5	1834.3	1759.4	1713.0	1683.7	1663.5	1652.7	1648.1
60°	2066.6	1967.9	1869.1	1794.6	1745.9	1715.9	1697.3	1689.6
62.5°	2129.7	1995.8	1869.2	1771.2	1700.9	1659.3	1634.3	1623.3
65°	2054.5	1896.0	1751.9	1643.8	1565.4	1519.0	1491.6	1479.8
67.5°	1844.8	1704.7	1547.9	1440.4	1359.7	1313.8	1284.2	1275.5
70°	1546.5	1403.3	1253.7	1157.7	1085.6	1048.3	1017.6	1013.9
72.5°	1162.2	1038.7	910.4	831.1	773.1	711.2	695.4	703.3
75°	745.0	629.3	515.1	443.7	390.8	331.7	308.9	314.5
77.5°	352.7	273.2	197.2	152.5	128.1	109.4	104.7	101.9
80°	130.8	106.1	93.7	88.9	85.5	82.5	80.2	77.6
82.5°	84.7	82.7	80.2	79.4	76.8	72.8	65.5	62.5
85°	63.2	63.2	59.9	60.2	58.2	53.3	46.4	42.8
87.5°	18.5	16.6	15.1	14.1	13.8	12.4	9.0	7.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)