

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: P177326

Luminaire Tested: **VAL-E02-LED-E-U-WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177326
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33699)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VAL-E02-LED-E-U-WQ-8030
Description: VALET TUNNEL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5219.4 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

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



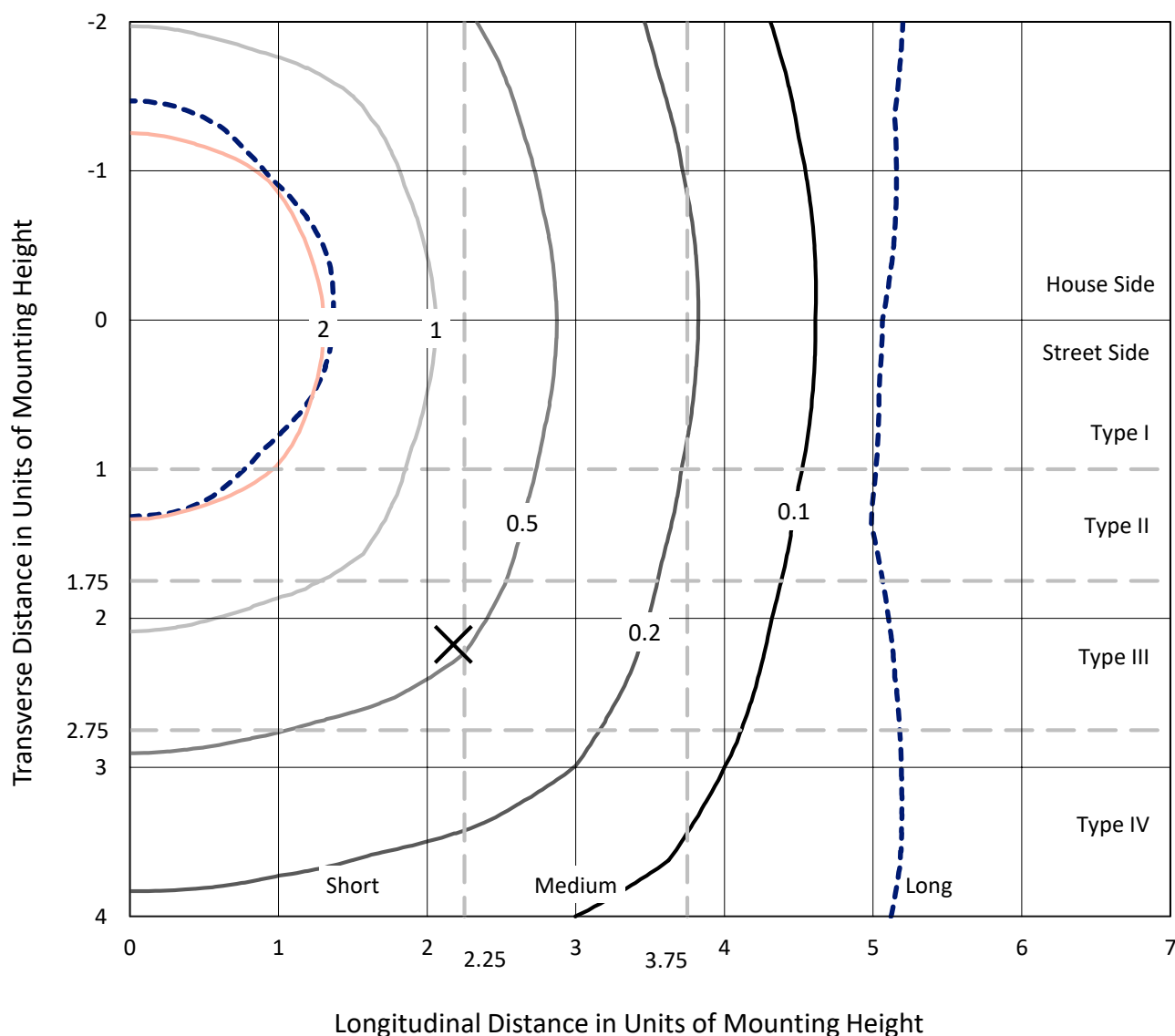
REPORT NUMBER: P177326

CATALOG NUMBER: VAL-E02-LED-E-U-WQ-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

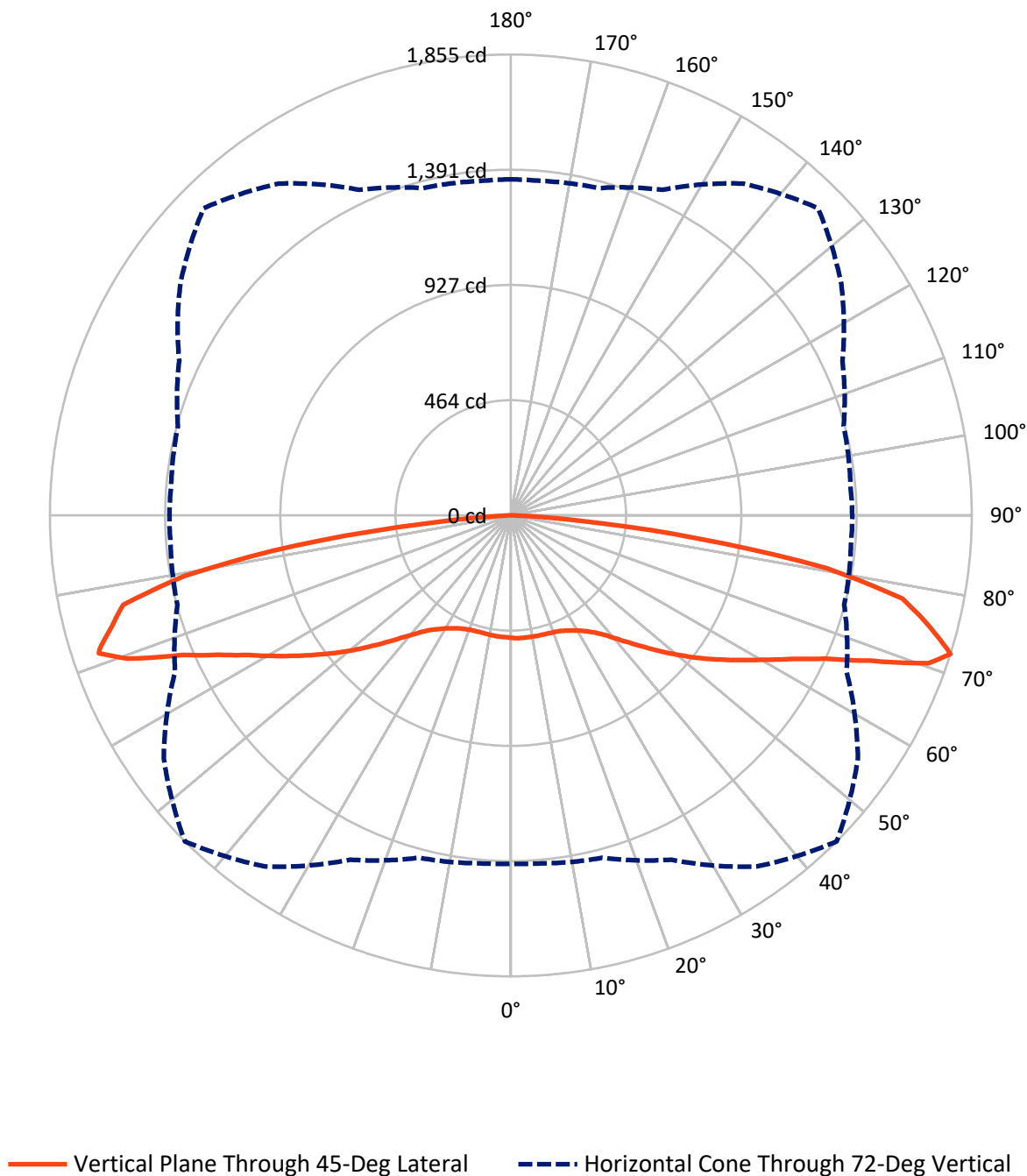


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P177326

CATALOG NUMBER: VAL-E02-LED-E-U-WQ-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P177326

CATALOG NUMBER: VAL-E02-LED-E-U-WQ-8030

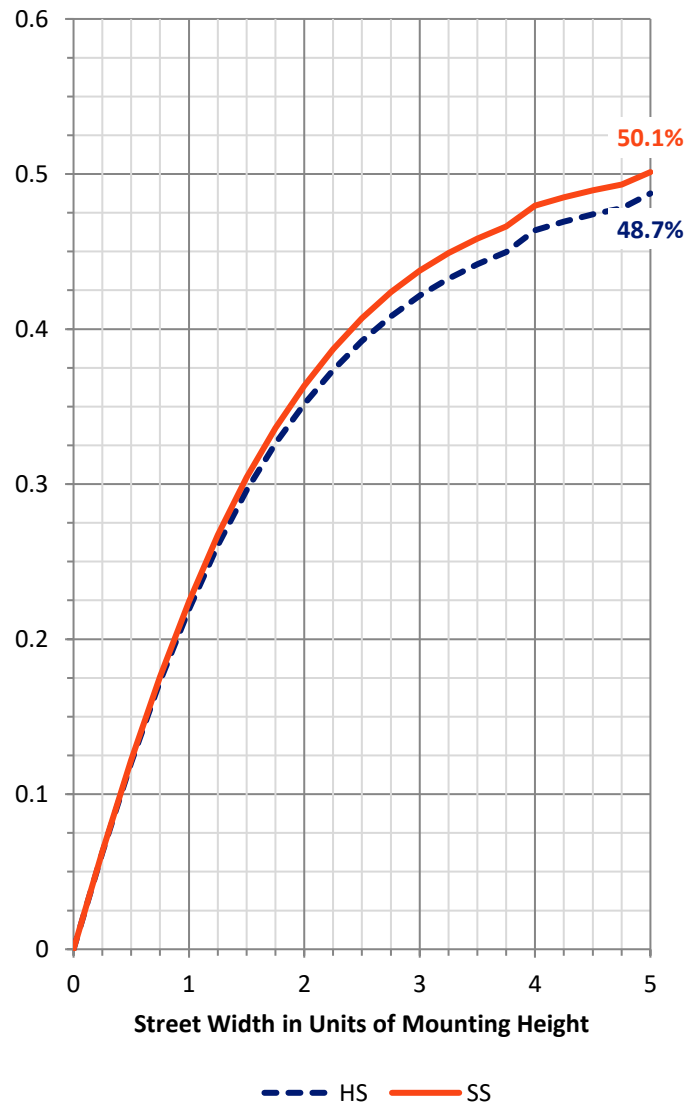
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2573.9	0.0	2573.9
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	2645.5	0.0	2645.5
	% Fixture	50.7	0.0	50.7
Total	Lumens	5219.4	0.0	5219.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	0.9
10°-20°	139.7	2.7
20°-30°	234.7	4.5
30°-40°	357.3	6.8
40°-50°	564.8	10.8
50°-60°	862.6	16.5
60°-70°	1263.8	24.2
70°-80°	1435.8	27.5
80°-90°	313.6	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°	5219.4	100.0
0°-180°	5219.4	100.0

Coefficient of Utilization



REPORT NUMBER: P177326

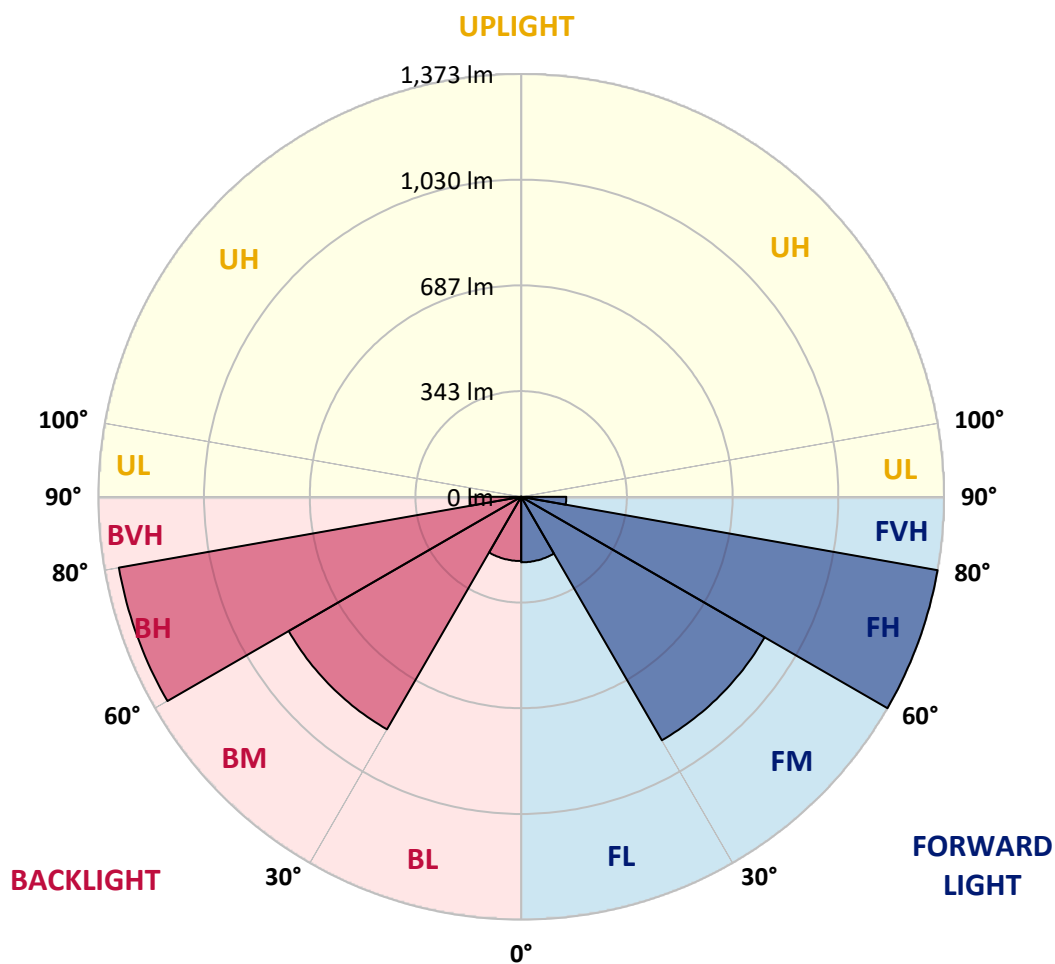
CATALOG NUMBER: VAL-E02-LED-E-U-WQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	212.8	4.1			
FM	(30°-60°)	912.9	17.5			
FH	(60°-80°)	1373.1	26.3			G1/1800
FVH	(80°-90°)	146.7	2.8			G2/225
BL	(0°-30°)	208.7	4.0	B1/500		
BM	(30°-60°)	871.9	16.7	B1/1000		
BH	(60°-80°)	1326.5	25.4	B3/2500		G1/1800
BVH	(80°-90°)	166.9	3.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





REPORT NUMBER: P177326

CATALOG NUMBER: VAL-E02-LED-E-U-WQ-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9
2.5°	496.9	496.9	495.6	494.9	494.9	494.6	494.2	494.2	493.9	494.2	493.2
5°	497.6	497.6	496.3	495.6	495.3	494.9	494.9	494.2	493.9	494.2	493.2
7.5°	497.6	498.0	497.3	496.6	495.6	495.3	494.9	493.9	493.9	493.2	492.9
10°	499.0	500.0	498.6	497.6	496.3	495.6	494.6	493.9	493.6	492.9	492.9
12.5°	500.0	501.0	499.6	498.6	497.3	496.3	494.9	493.9	493.2	492.2	492.6
15°	501.3	502.3	501.0	499.6	498.3	496.9	495.6	494.2	493.2	492.6	492.6
17.5°	502.0	503.0	501.7	500.3	499.3	498.6	496.9	494.9	493.6	492.9	492.9
20°	503.0	504.0	503.0	502.3	501.3	501.0	499.3	496.9	495.3	494.2	493.9
22.5°	505.4	506.1	505.7	505.7	505.7	505.4	504.0	500.3	498.3	496.6	496.3
25°	511.1	510.8	511.5	512.1	512.5	513.1	511.1	507.1	504.4	501.7	501.3
27.5°	520.6	520.9	521.2	522.6	523.9	524.3	522.3	517.9	513.8	510.1	509.8
30°	531.4	531.4	532.7	535.4	536.8	537.8	535.8	530.4	525.3	521.6	520.9
32.5°	546.9	548.3	548.9	552.0	554.7	555.7	552.6	546.9	541.2	536.4	535.4
35°	569.2	571.2	571.9	574.6	577.6	578.0	575.3	568.8	562.8	556.4	556.7
37.5°	600.6	600.9	602.6	603.3	609.0	609.0	604.6	598.9	592.8	587.1	585.4
40°	642.4	642.8	643.5	642.4	649.2	651.2	645.5	636.7	631.0	623.5	622.5
42.5°	688.0	691.4	691.1	689.4	696.1	700.5	693.4	683.3	677.2	669.5	668.1
45°	744.4	743.7	740.7	744.4	752.2	756.9	748.1	735.3	728.9	719.1	718.7
47.5°	799.1	798.4	793.7	796.4	810.9	818.7	805.8	791.3	782.9	777.1	772.8
50°	851.1	855.8	849.7	855.5	874.4	884.8	873.0	850.1	839.9	831.2	828.8
52.5°	912.2	914.9	909.5	918.6	939.5	954.7	938.5	908.8	898.7	888.9	885.9
55°	974.6	973.3	970.6	980.7	1006.4	1024.3	1006.7	970.9	956.1	948.6	948.6
57.5°	1036.1	1036.8	1030.3	1042.5	1074.9	1098.5	1076.6	1032.7	1014.5	1006.0	1008.7
60°	1101.9	1101.9	1092.1	1103.3	1148.5	1178.5	1145.5	1095.2	1075.2	1070.2	1070.5
62.5°	1175.8	1173.1	1162.3	1176.2	1231.2	1271.1	1229.5	1166.7	1140.7	1140.7	1143.1
65°	1261.3	1256.9	1253.2	1269.0	1340.3	1388.9	1334.2	1254.8	1231.9	1229.2	1233.6
67.5°	1384.1	1388.9	1379.4	1400.3	1497.6	1561.0	1478.0	1375.7	1351.4	1349.0	1359.8
70°	1494.9	1490.2	1502.3	1561.4	1693.7	1782.2	1666.7	1509.4	1439.8	1425.7	1430.1
72°	1401.7	1405.4	1426.0	1528.6	1724.8	1854.8	1704.9	1490.8	1388.9	1374.0	1373.7
72.5°	1380.1	1382.8	1400.3	1498.9	1702.5	1835.5	1685.6	1467.2	1371.0	1358.2	1357.5
75°	1266.7	1272.1	1299.7	1395.6	1602.2	1727.5	1586.7	1382.5	1276.8	1252.5	1257.5
77.5°	1079.0	1090.1	1118.1	1228.5	1470.9	1611.0	1460.4	1225.5	1107.0	1089.1	1083.3
80°	791.7	776.8	827.4	925.4	1097.9	1290.6	1113.7	923.3	800.4	767.7	775.8
82.5°	269.4	275.8	355.8	475.0	602.6	753.5	639.7	462.5	340.6	299.4	281.2
85°	32.7	35.4	55.4	100.9	189.7	274.1	193.8	102.6	63.8	39.2	34.4
87.5°	15.9	16.9	23.6	25.3	31.4	26.7	31.7	20.3	19.2	11.8	9.8
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: P177326

CATALOG NUMBER: VAL-E02-LED-E-U-WQ-8030

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9
2.5°	492.9	492.2	491.9	491.2	490.5	490.5	490.5	490.5	490.5	490.9
5°	492.9	492.2	491.9	490.9	490.2	490.2	489.9	490.2	489.9	490.2
7.5°	492.9	491.9	490.9	489.9	489.2	489.5	488.8	488.5	488.8	488.8
10°	492.6	490.9	489.5	488.5	488.2	487.8	487.8	487.5	488.2	487.8
12.5°	492.2	490.2	488.5	487.2	486.8	486.8	486.8	486.8	487.8	487.5
15°	491.9	489.9	488.2	486.5	486.1	486.8	486.8	487.5	488.2	488.2
17.5°	492.2	489.9	487.8	486.5	486.5	487.2	487.5	488.5	489.5	488.8
20°	493.6	490.9	489.2	487.8	488.5	489.2	489.2	489.9	490.9	490.2
22.5°	495.6	493.6	492.2	491.9	492.9	493.2	492.9	492.6	492.9	492.2
25°	500.3	498.3	497.3	498.6	499.6	499.3	498.0	496.6	495.9	495.6
27.5°	509.1	507.4	507.1	508.8	509.8	508.1	505.7	503.7	503.0	502.0
30°	519.9	518.9	519.9	521.6	521.9	519.2	515.8	512.8	511.8	511.8
32.5°	534.1	533.1	535.4	538.1	538.8	535.1	529.7	525.6	522.9	522.6
35°	554.7	554.0	554.7	558.0	557.7	554.0	547.9	543.2	540.5	540.5
37.5°	583.4	582.7	581.0	584.4	584.0	579.0	572.6	568.5	565.5	565.8
40°	620.8	619.8	617.8	618.5	621.2	614.4	606.3	600.9	600.6	600.6
42.5°	665.7	661.0	661.7	665.7	663.7	655.6	648.2	643.5	643.5	643.1
45°	714.7	713.0	712.3	713.7	715.4	709.0	696.5	691.1	690.7	690.7
47.5°	771.4	763.0	764.7	768.0	772.1	764.0	748.1	741.7	740.7	741.0
50°	826.8	818.0	819.7	826.8	834.5	821.7	802.1	794.4	793.0	793.7
52.5°	884.2	876.7	876.7	888.6	898.7	882.8	858.2	848.7	848.7	848.4
55°	944.9	934.8	938.9	954.0	966.2	947.0	916.6	909.1	903.4	905.8
57.5°	1005.4	995.2	998.6	1021.9	1037.1	1014.1	976.0	960.5	957.1	956.4
60°	1067.1	1055.7	1059.7	1096.2	1114.1	1083.7	1027.6	1008.7	1005.7	1005.4
62.5°	1135.7	1127.6	1133.6	1175.8	1196.4	1153.2	1082.7	1061.1	1062.1	1059.7
65°	1221.1	1214.7	1225.1	1276.8	1302.1	1238.6	1153.9	1128.9	1132.0	1131.6
67.5°	1343.3	1335.5	1341.9	1414.2	1436.8	1355.4	1252.8	1228.2	1232.9	1240.7
70°	1419.9	1425.7	1483.4	1584.7	1646.8	1563.7	1428.0	1381.8	1384.1	1385.2
72°	1372.0	1386.5	1472.3	1623.5	1748.1	1629.9	1445.3	1363.2	1351.1	1352.4
72.5°	1359.2	1370.3	1456.4	1607.3	1739.6	1615.7	1426.7	1349.0	1329.5	1330.1
75°	1262.6	1283.9	1366.6	1523.6	1665.4	1544.5	1355.1	1272.4	1257.2	1257.2
77.5°	1096.2	1125.9	1210.6	1431.1	1601.2	1469.6	1264.3	1162.0	1146.5	1140.7
80°	806.5	850.1	933.5	1151.2	1334.9	1214.7	1040.8	935.5	911.2	902.4
82.5°	317.7	355.2	495.3	693.4	879.8	748.8	566.1	472.3	397.0	388.9
85°	39.5	63.8	124.9	228.6	349.4	248.5	148.2	77.6	41.9	35.1
87.5°	11.5	21.6	23.6	38.5	45.6	41.9	26.3	23.6	13.2	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)