

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: McGRAW-EDISON

Report Number: P197903

Luminaire Tested: **TT-C3-LED-E1-WQ-SG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115558)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-WQ-SG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5063.9 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 45
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

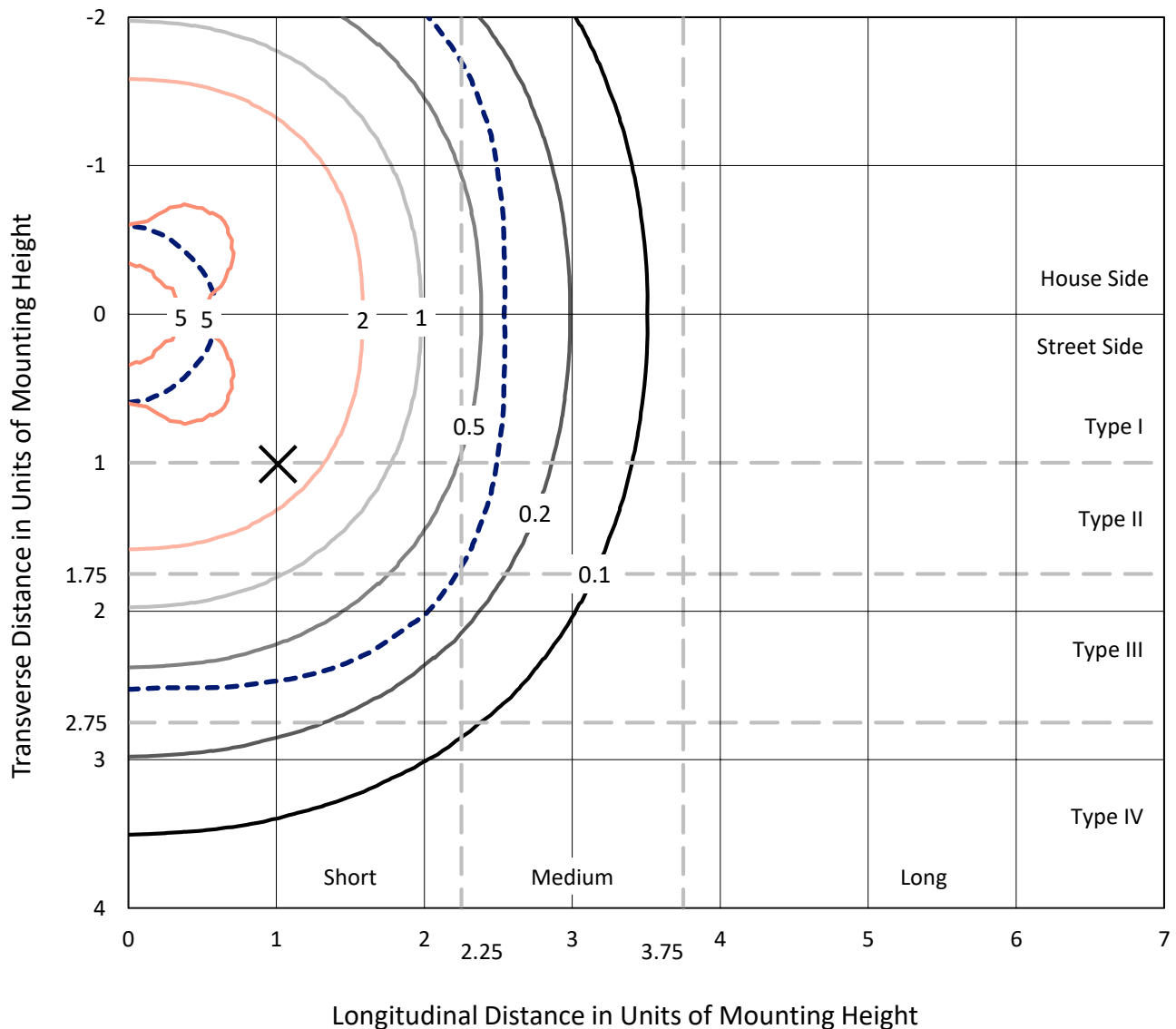


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

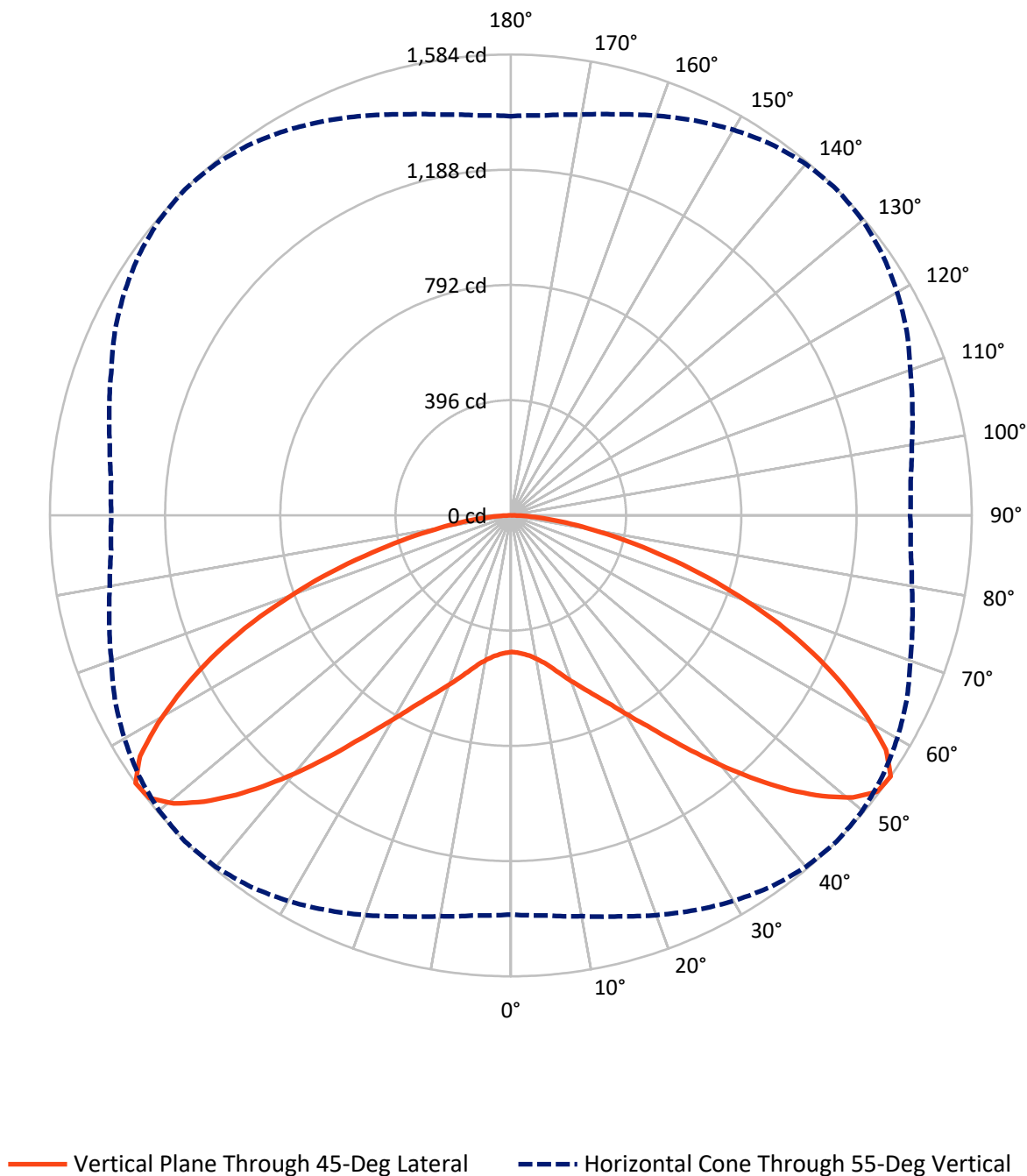


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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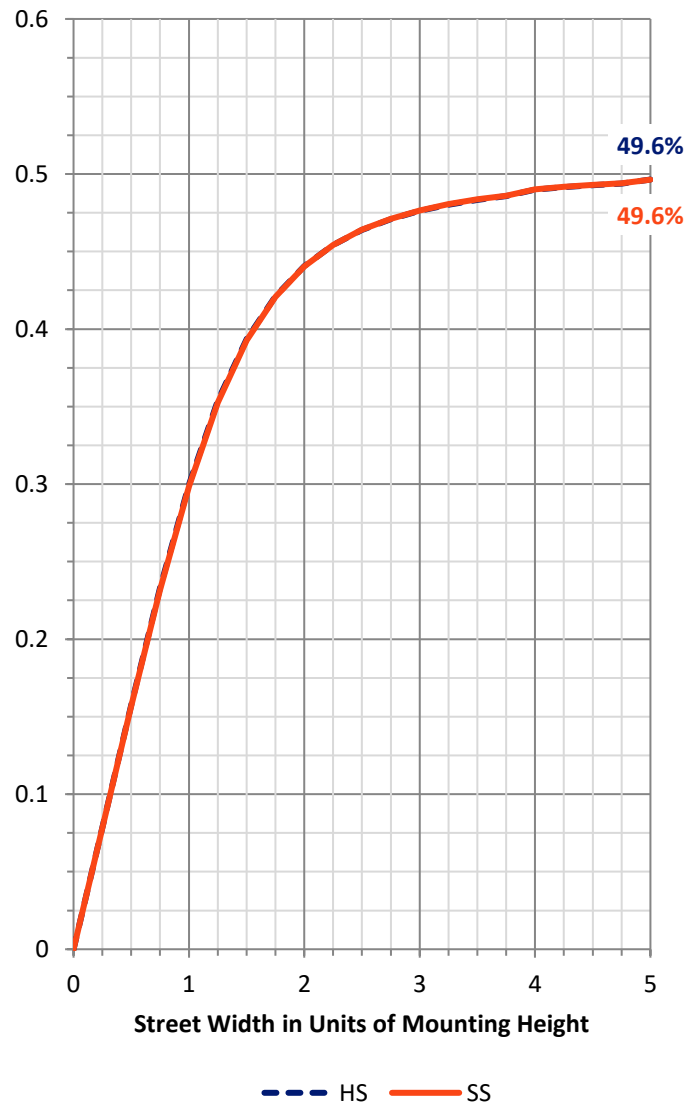
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2532.0	0.0	2532.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2532.0	0.0	2532.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5063.9	0.0	5063.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	0.9
10°-20°	157.2	3.1
20°-30°	320.1	6.3
30°-40°	584.6	11.5
40°-50°	992.6	19.6
50°-60°	1292.7	25.5
60°-70°	1045.5	20.6
70°-80°	513.7	10.1
80°-90°	111.2	2.2
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°	5063.9	100.0
0°-180°	5063.9	100.0

Coefficient of Utilization



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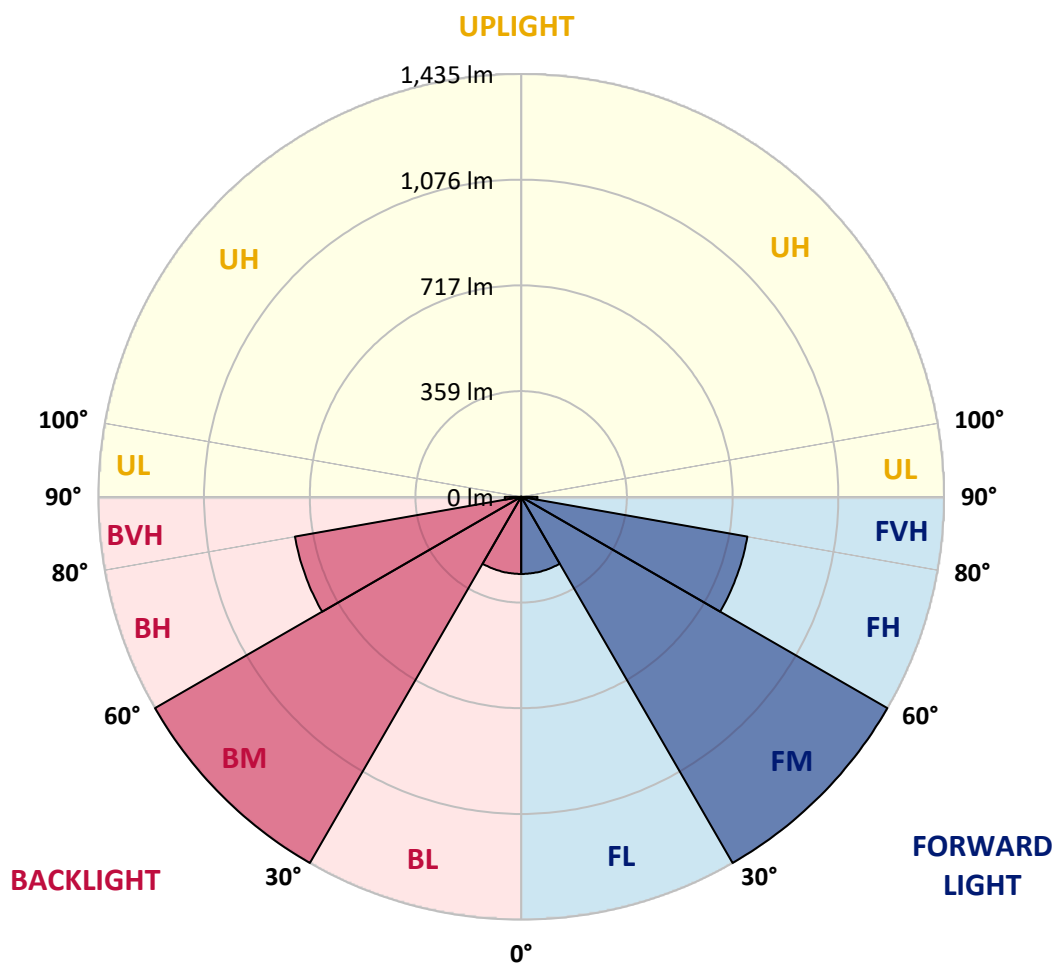
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.8	5.2			
FM	(30°-60°)	1434.9	28.3			
FH	(60°-80°)	779.6	15.4			G1/1800
FVH	(80°-90°)	55.6	1.1			G1/100
BL	(0°-30°)	261.8	5.2	B1/500		
BM	(30°-60°)	1434.9	28.3	B2/2500		
BH	(60°-80°)	779.6	15.4	B2/1000		G1/1800
BVH	(80°-90°)	55.6	1.1			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°	469.2	469.2	469.2	469.2	469.2	469.2	469.2	469.2	469.2	469.2	469.2
2.5°	471.2	471.2	471.2	471.2	471.2	471.2	472.3	472.3	472.3	472.3	472.3
5°	477.5	477.5	477.5	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6
7.5°	486.8	485.8	486.8	486.8	486.8	487.9	487.9	486.8	487.9	487.9	487.9
10°	500.3	499.2	500.3	500.3	500.3	501.3	501.3	501.3	501.3	502.4	502.4
12.5°	520.0	518.9	520.0	521.0	520.0	521.0	521.0	521.0	521.0	521.0	521.0
15°	544.9	543.8	544.9	545.8	544.9	546.9	546.9	545.8	545.8	546.9	546.9
17.5°	574.9	572.9	573.8	574.9	574.9	577.0	577.0	575.9	577.0	577.9	577.0
20°	605.9	603.9	605.0	608.0	608.0	609.1	611.1	610.1	611.1	612.2	611.1
22.5°	640.1	639.1	640.1	643.2	643.2	644.3	647.3	647.3	647.3	648.4	647.3
25°	677.4	676.4	677.4	680.5	680.5	682.6	686.7	686.7	687.8	688.9	687.8
27.5°	721.0	719.9	721.9	725.1	726.2	729.2	734.4	735.5	736.4	737.5	735.5
30°	771.7	769.6	772.7	777.9	780.0	784.1	790.4	792.4	793.4	796.5	794.5
32.5°	829.7	827.7	831.8	837.9	841.1	847.3	855.6	857.6	860.7	862.8	859.8
35°	898.0	897.0	901.2	910.5	915.7	922.9	934.3	937.4	939.5	943.7	939.5
37.5°	973.6	972.6	979.9	990.3	999.6	1010.9	1023.3	1028.5	1031.7	1036.9	1031.7
40°	1057.6	1056.5	1065.8	1078.3	1089.7	1104.2	1119.7	1126.9	1133.2	1138.4	1132.1
42.5°	1143.6	1143.6	1154.9	1168.4	1185.0	1202.6	1220.2	1228.4	1238.8	1241.9	1234.7
45°	1226.4	1227.4	1238.8	1255.4	1279.2	1302.0	1321.7	1332.1	1343.4	1346.6	1337.3
47.5°	1305.1	1306.2	1316.5	1338.3	1365.2	1391.1	1414.9	1429.4	1440.8	1441.8	1434.6
50°	1369.4	1373.5	1386.9	1406.6	1434.6	1461.5	1490.6	1509.2	1520.5	1523.7	1516.4
52.5°	1394.3	1401.5	1417.0	1441.8	1473.9	1501.9	1534.0	1557.8	1571.3	1576.5	1570.3
55°	1371.4	1379.7	1398.4	1426.4	1461.5	1496.7	1529.9	1557.8	1576.5	1583.8	1577.5
57.5°	1320.6	1321.7	1340.3	1368.3	1400.4	1436.6	1468.7	1494.7	1512.3	1519.6	1518.5
60°	1232.6	1232.6	1250.3	1277.2	1302.0	1339.3	1366.3	1385.9	1398.4	1406.6	1404.5
62.5°	1114.6	1114.6	1130.0	1158.0	1182.9	1215.0	1240.9	1261.6	1269.9	1279.2	1281.3
65°	983.0	983.0	997.5	1025.5	1048.2	1077.3	1102.1	1121.8	1130.0	1141.5	1139.3
67.5°	843.1	842.2	855.6	879.4	901.2	928.1	951.9	970.6	979.9	993.4	984.0
70°	699.1	699.1	710.6	729.2	744.7	771.7	794.5	813.1	820.3	831.8	826.6
72.5°	562.5	561.4	570.7	585.2	597.6	621.5	634.9	655.7	661.8	677.4	669.2
75°	439.1	437.1	444.3	454.7	463.0	478.6	488.9	505.5	510.7	521.0	516.9
77.5°	330.4	329.4	332.5	339.8	345.9	358.4	362.5	370.8	374.9	385.3	377.1
80°	237.2	234.1	237.2	241.3	243.5	252.8	253.7	256.9	258.9	266.2	257.9
82.5°	159.6	155.4	157.4	160.5	160.5	165.7	166.8	165.7	169.8	172.0	167.8
85°	91.1	88.0	89.1	91.1	90.2	93.2	93.2	92.2	95.2	95.2	93.2
87.5°	30.1	28.0	29.0	30.1	30.1	31.0	32.1	31.0	33.2	33.2	31.0
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°	469.2	469.2	469.2	469.2	469.2	469.2	469.2	469.2
2.5°	472.3	472.3	472.3	472.3	472.3	472.3	472.3	472.3
5°	478.6	478.6	478.6	478.6	478.6	477.5	477.5	477.5
7.5°	487.9	487.9	487.9	487.9	487.9	486.8	486.8	486.8
10°	502.4	501.3	501.3	501.3	501.3	500.3	501.3	500.3
12.5°	521.0	522.0	522.0	521.0	522.0	520.0	520.0	520.0
15°	546.9	545.8	545.8	545.8	545.8	544.9	544.9	544.9
17.5°	575.9	575.9	574.9	574.9	573.8	572.9	572.9	572.9
20°	610.1	609.1	608.0	607.0	605.9	603.9	602.8	602.8
22.5°	645.3	644.3	643.2	642.2	641.2	639.1	637.1	637.1
25°	684.6	682.6	681.6	679.5	677.4	675.3	674.3	673.3
27.5°	732.3	730.3	727.1	724.0	719.9	718.8	716.8	716.8
30°	789.3	786.2	782.0	776.9	772.7	768.5	766.5	765.5
32.5°	855.6	851.5	844.2	837.9	830.7	826.6	823.5	821.4
35°	933.3	927.0	918.8	909.4	900.1	892.9	887.7	887.7
37.5°	1024.4	1015.1	1002.7	991.2	977.8	969.5	963.3	959.1
40°	1123.9	1110.4	1094.8	1080.3	1064.9	1053.4	1044.1	1045.2
42.5°	1222.3	1210.9	1192.2	1174.6	1154.9	1139.3	1128.0	1126.9
45°	1325.8	1311.3	1288.5	1265.7	1243.0	1224.3	1210.9	1208.7
47.5°	1422.1	1406.6	1379.7	1351.8	1326.9	1306.2	1291.7	1289.6
50°	1500.9	1482.3	1454.3	1424.2	1397.3	1374.5	1359.0	1354.8
52.5°	1551.7	1530.9	1500.9	1464.6	1435.7	1409.7	1391.1	1385.9
55°	1560.0	1533.0	1500.9	1460.5	1428.4	1399.3	1378.7	1372.4
57.5°	1503.0	1473.9	1445.0	1409.7	1377.6	1346.6	1329.9	1321.7
60°	1392.1	1369.4	1345.5	1313.4	1287.6	1258.5	1245.1	1240.9
62.5°	1264.7	1245.1	1223.3	1190.2	1168.4	1142.5	1130.0	1124.9
65°	1128.0	1105.2	1084.5	1057.6	1033.7	1012.0	994.4	992.3
67.5°	976.7	953.0	935.3	911.6	887.7	867.0	855.6	849.4
70°	817.3	797.6	780.0	754.0	738.6	718.8	710.6	704.3
72.5°	658.8	647.3	625.6	609.1	591.5	575.9	570.7	564.5
75°	509.6	496.1	479.6	469.2	455.8	447.5	443.3	439.1
77.5°	373.9	362.5	353.2	349.1	342.8	334.6	331.5	328.3
80°	258.9	253.7	247.6	246.5	242.4	236.2	235.1	234.1
82.5°	167.8	164.7	162.6	162.6	160.5	156.4	155.4	155.4
85°	93.2	92.2	93.2	92.2	90.2	88.0	88.0	88.0
87.5°	31.0	31.0	32.1	33.2	30.1	30.1	29.0	29.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)