

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: P197542

Luminaire Tested: **TT-C3-LED-E1-5CQ-PM-MS/DIM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115423)
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-E1-5CQ-PM-MS/DIM
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6002.7 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

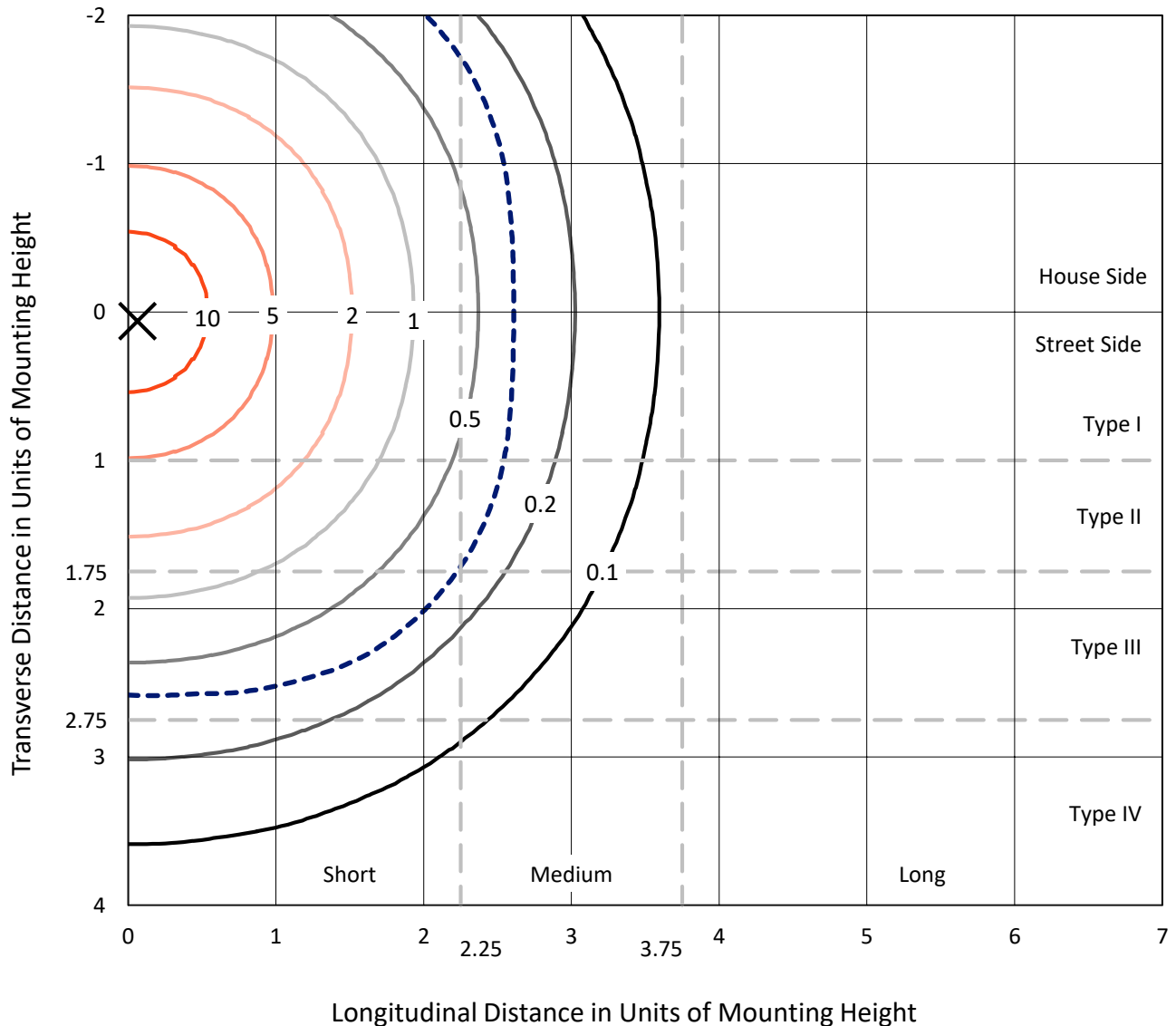
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P197542
 CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM-MS/DIM

Iso-Footcandle Lines of Horizontal Illumination

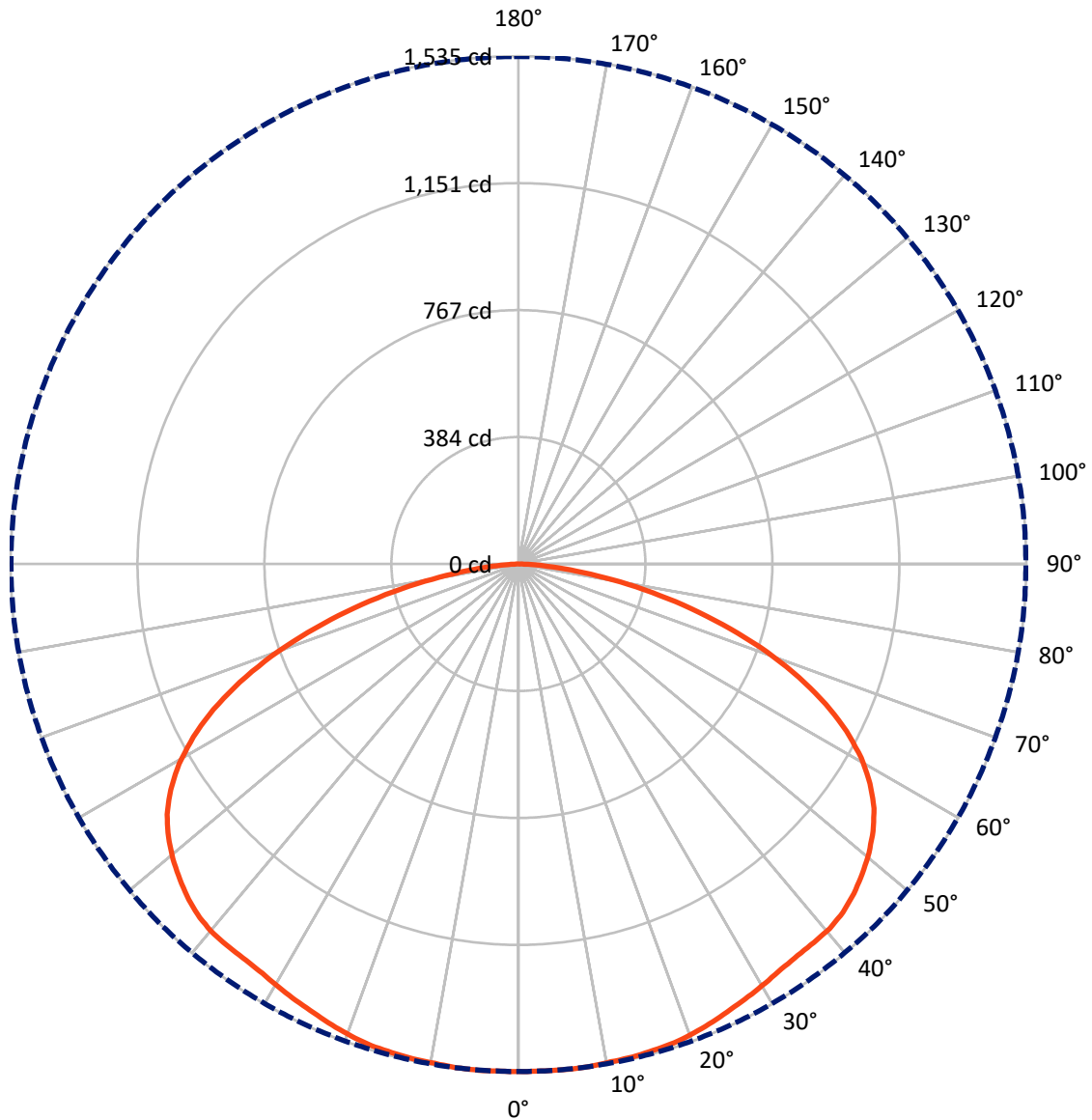
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P197542
CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM-MS/DIM

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

REPORT NUMBER: P197542

CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM-MS/DIM

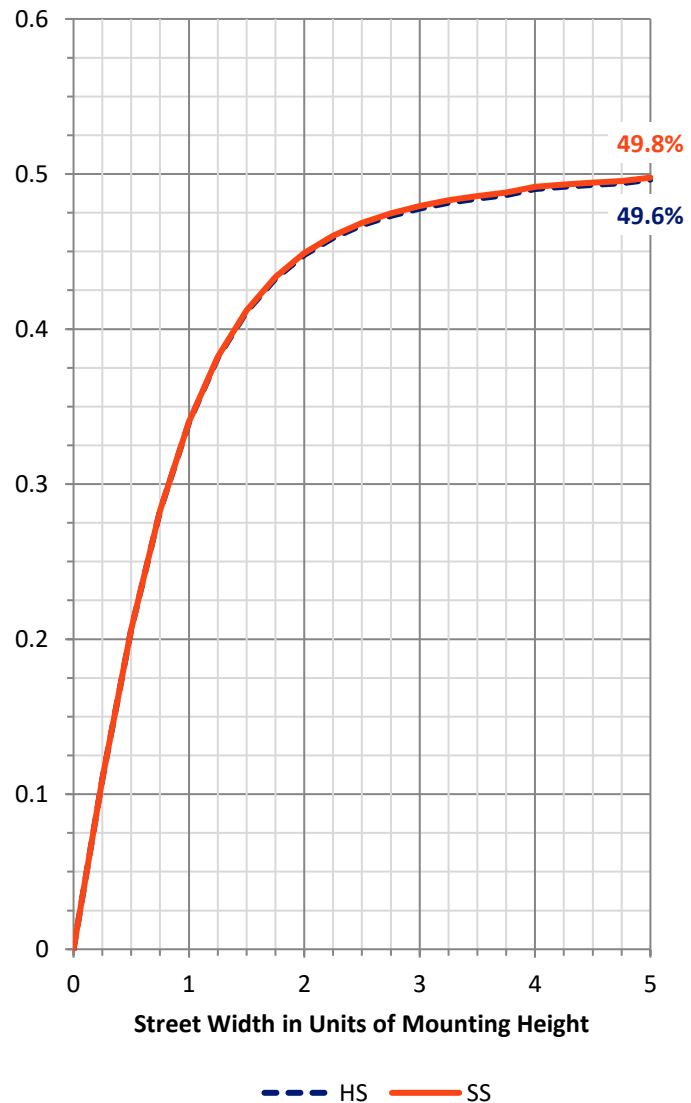
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3001.3	0.0	3001.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3001.3	0.0	3001.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6002.7	0.0	6002.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	2.4
10°-20°	431.4	7.2
20°-30°	688.5	11.5
30°-40°	906.9	15.1
40°-50°	1078.8	18.0
50°-60°	1129.0	18.8
60°-70°	960.1	16.0
70°-80°	545.6	9.1
80°-90°	116.0	1.9
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°	6002.7	100.0
0°-180°	6002.7	100.0



REPORT NUMBER: P197542

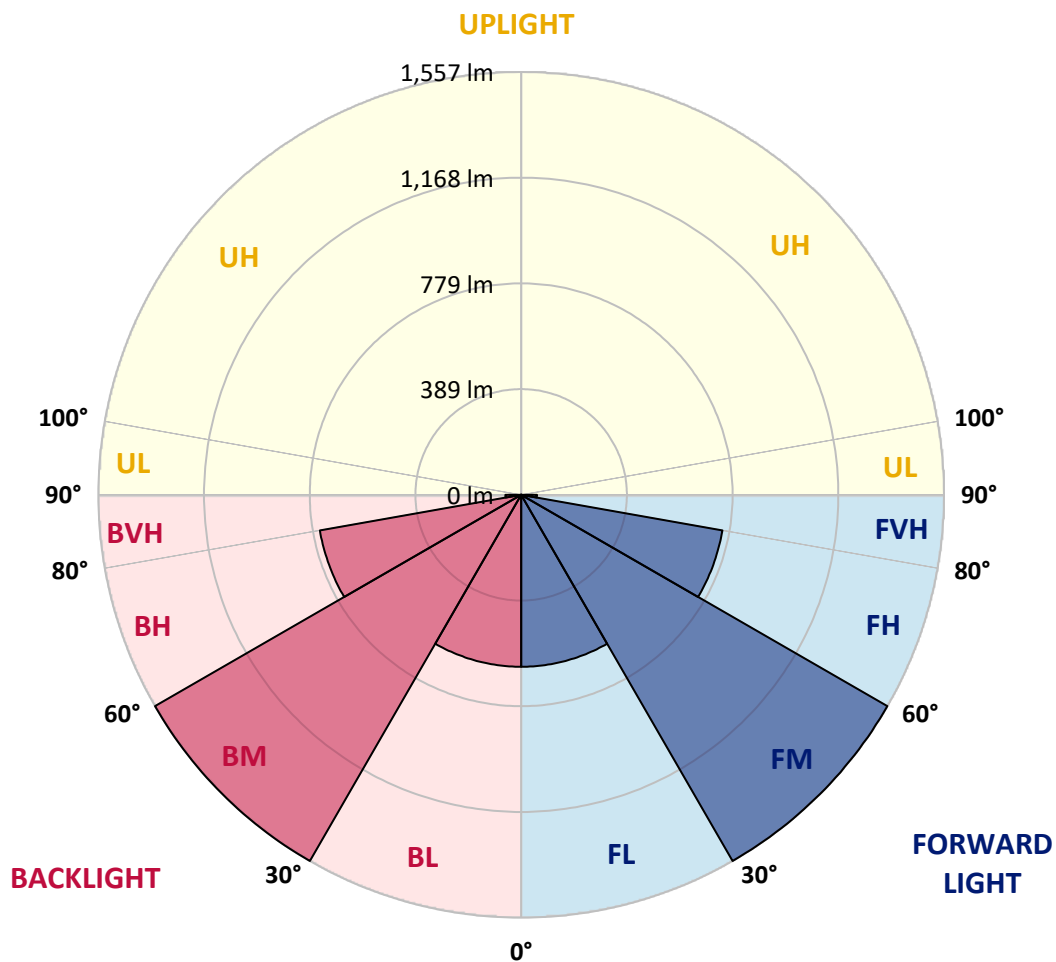
CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM-MS/DIM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	633.1	10.5			
FM	(30°-60°)	1557.3	25.9			
FH	(60°-80°)	752.9	12.5			G1/1800
FVH	(80°-90°)	58.0	1.0			G1/100
BL	(0°-30°)	633.1	10.5	B2/1000		
BM	(30°-60°)	1557.3	25.9	B2/2500		
BH	(60°-80°)	752.9	12.5	B2/1000		G1/1800
BVH	(80°-90°)	58.0	1.0			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





REPORT NUMBER: P197542

CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM-MS/DIM

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7
2.5°	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7
5°	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1534.8	1533.7
7.5°	1532.5	1532.5	1532.5	1532.5	1533.7	1532.5	1532.5	1533.7	1533.7	1533.7	1533.7
10°	1530.1	1528.9	1528.9	1530.1	1530.1	1530.1	1530.1	1530.1	1531.2	1530.1	1530.1
12.5°	1526.5	1525.3	1526.5	1526.5	1526.5	1527.8	1527.8	1527.8	1528.9	1528.9	1527.8
15°	1523.0	1523.0	1523.0	1523.0	1523.0	1524.2	1524.2	1525.3	1525.3	1525.3	1525.3
17.5°	1518.3	1518.3	1518.3	1519.4	1519.4	1520.6	1520.6	1520.6	1521.8	1521.8	1521.8
20°	1510.0	1508.8	1510.0	1510.0	1511.1	1512.3	1512.3	1513.5	1513.5	1513.5	1513.5
22.5°	1498.1	1498.1	1499.3	1499.3	1500.5	1501.7	1501.7	1502.8	1502.8	1502.8	1502.8
25°	1486.3	1487.5	1487.5	1488.7	1488.7	1489.9	1491.0	1491.0	1491.0	1491.0	1491.0
27.5°	1474.5	1475.7	1475.7	1475.7	1476.8	1478.0	1479.2	1480.4	1481.6	1480.4	1480.4
30°	1461.4	1461.4	1462.6	1463.8	1465.0	1466.2	1468.5	1469.8	1470.9	1469.8	1469.8
32.5°	1447.2	1448.4	1449.7	1450.8	1453.1	1455.6	1457.9	1459.1	1460.3	1459.1	1459.1
35°	1436.6	1436.6	1438.9	1441.3	1443.7	1447.2	1449.7	1452.0	1454.4	1453.1	1452.0
37.5°	1426.0	1426.0	1428.3	1431.9	1436.6	1441.3	1446.1	1449.7	1450.8	1450.8	1449.7
40°	1412.9	1414.1	1416.5	1422.4	1429.5	1435.4	1441.3	1446.1	1448.4	1448.4	1446.1
42.5°	1398.7	1399.9	1403.5	1409.3	1417.7	1424.7	1431.9	1435.4	1438.9	1438.9	1436.6
45°	1378.6	1379.8	1384.5	1390.4	1398.7	1405.9	1414.1	1417.7	1422.4	1421.2	1420.1
47.5°	1352.6	1353.8	1358.5	1364.4	1372.7	1381.0	1389.2	1395.1	1398.7	1398.7	1397.6
50°	1320.6	1321.8	1326.5	1332.5	1343.1	1352.6	1360.8	1366.8	1372.7	1372.7	1371.6
52.5°	1280.4	1282.7	1286.3	1294.6	1306.4	1317.0	1327.8	1337.2	1340.7	1342.0	1340.7
55°	1230.7	1233.0	1237.8	1247.2	1260.3	1273.2	1285.1	1295.8	1300.5	1304.1	1301.7
57.5°	1172.7	1175.0	1181.0	1191.7	1205.9	1218.8	1234.3	1246.1	1249.7	1253.1	1252.0
60°	1104.1	1107.7	1113.6	1125.4	1139.6	1153.8	1168.0	1182.2	1185.8	1190.5	1188.1
62.5°	1023.6	1027.1	1033.0	1046.1	1061.5	1074.5	1091.0	1104.1	1107.7	1112.4	1111.1
65°	931.3	934.8	940.7	954.9	969.1	983.4	998.7	1012.9	1016.5	1021.2	1020.1
67.5°	826.0	829.6	835.5	852.0	866.2	880.4	893.5	907.7	910.0	914.7	913.6
70°	714.7	719.5	724.2	739.6	752.6	764.4	778.6	790.5	795.2	797.6	795.2
72.5°	603.5	607.0	611.8	622.4	631.9	642.5	656.7	665.0	668.6	669.8	669.8
75°	488.7	492.3	492.3	504.1	511.3	517.1	528.9	534.8	537.3	539.6	539.6
77.5°	379.9	377.5	379.9	384.6	389.4	394.1	401.2	404.7	407.0	411.8	409.5
80°	266.2	267.5	268.6	272.2	274.5	275.7	280.4	281.7	282.8	287.6	285.2
82.5°	171.6	169.3	171.6	170.4	172.7	169.3	171.6	175.2	172.7	175.2	176.3
85°	89.9	86.4	86.4	87.6	88.7	86.4	87.6	86.4	86.4	88.7	87.6
87.5°	28.4	27.3	28.4	27.3	28.4	27.3	28.4	29.6	28.4	28.4	29.6
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: P197542
 CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM-MS/DIM

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7
2.5°	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7
5°	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7
7.5°	1532.5	1532.5	1532.5	1532.5	1532.5	1532.5	1531.2	1532.5
10°	1530.1	1530.1	1530.1	1530.1	1528.9	1528.9	1528.9	1528.9
12.5°	1527.8	1527.8	1526.5	1526.5	1526.5	1526.5	1525.3	1525.3
15°	1525.3	1524.2	1524.2	1523.0	1523.0	1523.0	1521.8	1523.0
17.5°	1521.8	1520.6	1520.6	1519.4	1519.4	1518.3	1518.3	1518.3
20°	1513.5	1512.3	1512.3	1511.1	1511.1	1510.0	1508.8	1508.8
22.5°	1501.7	1501.7	1501.7	1500.5	1499.3	1499.3	1498.1	1498.1
25°	1491.0	1489.9	1489.9	1488.7	1487.5	1487.5	1486.3	1486.3
27.5°	1480.4	1479.2	1478.0	1475.7	1475.7	1474.5	1473.2	1472.1
30°	1468.5	1466.2	1463.8	1462.6	1461.4	1459.1	1457.9	1456.7
32.5°	1456.7	1454.4	1452.0	1449.7	1446.1	1444.9	1442.5	1442.5
35°	1449.7	1446.1	1442.5	1437.8	1434.2	1430.7	1428.3	1427.1
37.5°	1446.1	1441.3	1435.4	1429.5	1423.6	1418.8	1415.3	1415.3
40°	1441.3	1435.4	1428.3	1420.1	1412.9	1407.0	1403.5	1402.3
42.5°	1431.9	1426.0	1416.5	1409.3	1399.9	1394.0	1389.2	1388.1
45°	1415.3	1409.3	1401.1	1391.7	1382.2	1375.0	1370.3	1369.1
47.5°	1394.0	1386.9	1377.4	1368.0	1358.5	1350.2	1345.5	1344.3
50°	1366.8	1359.7	1350.2	1340.7	1330.1	1321.8	1315.9	1315.9
52.5°	1336.0	1327.8	1317.0	1306.4	1294.6	1286.3	1280.4	1279.2
55°	1295.8	1286.3	1275.7	1263.9	1250.8	1241.3	1234.3	1233.0
57.5°	1246.1	1235.4	1223.6	1210.6	1197.6	1186.9	1178.6	1177.5
60°	1183.3	1171.6	1159.7	1146.7	1132.5	1120.6	1112.4	1110.0
62.5°	1106.4	1093.5	1080.4	1068.6	1053.1	1041.4	1033.0	1030.7
65°	1015.3	1004.7	991.7	977.5	960.9	949.0	940.7	939.6
67.5°	908.8	898.2	885.1	872.1	855.6	844.9	836.6	834.3
70°	791.7	782.2	771.6	758.5	744.3	733.7	725.4	724.2
72.5°	667.5	659.1	649.7	640.2	626.0	617.7	610.6	609.5
75°	539.6	531.4	524.2	517.1	506.5	500.5	493.5	493.5
77.5°	409.5	407.0	402.3	394.1	388.1	383.4	379.9	377.5
80°	286.4	284.0	281.7	276.9	273.4	272.2	269.8	267.5
82.5°	175.2	174.0	175.2	172.7	171.6	171.6	170.4	168.0
85°	88.7	89.9	88.7	87.6	87.6	87.6	87.6	86.4
87.5°	28.4	29.6	28.4	27.3	27.3	27.3	27.3	26.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)