

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: P197518

Luminaire Tested: **TT-C3-LED-E1-5CQ-PM-LWR-LW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115438)
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-LWR-LW
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5624 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

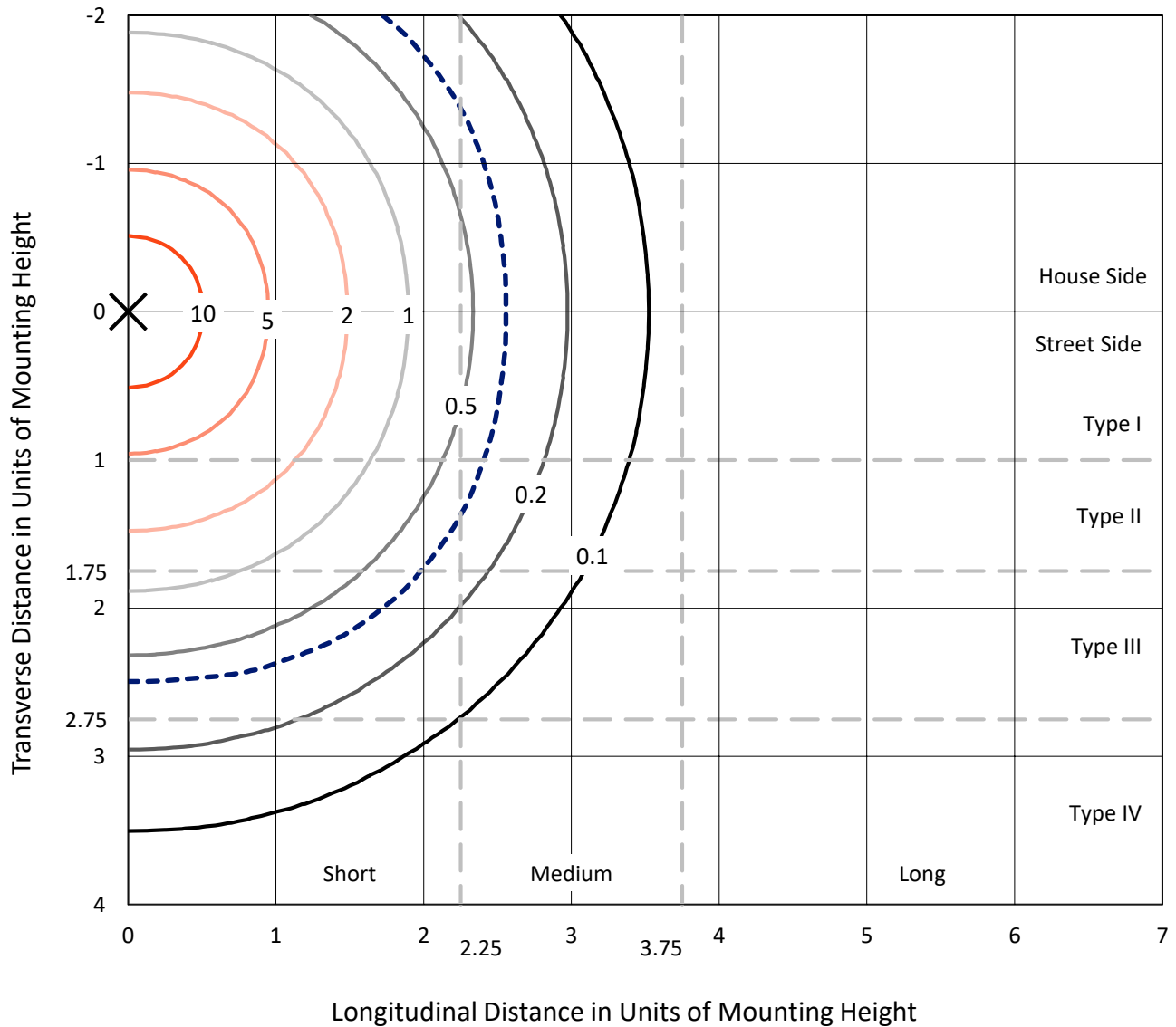
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

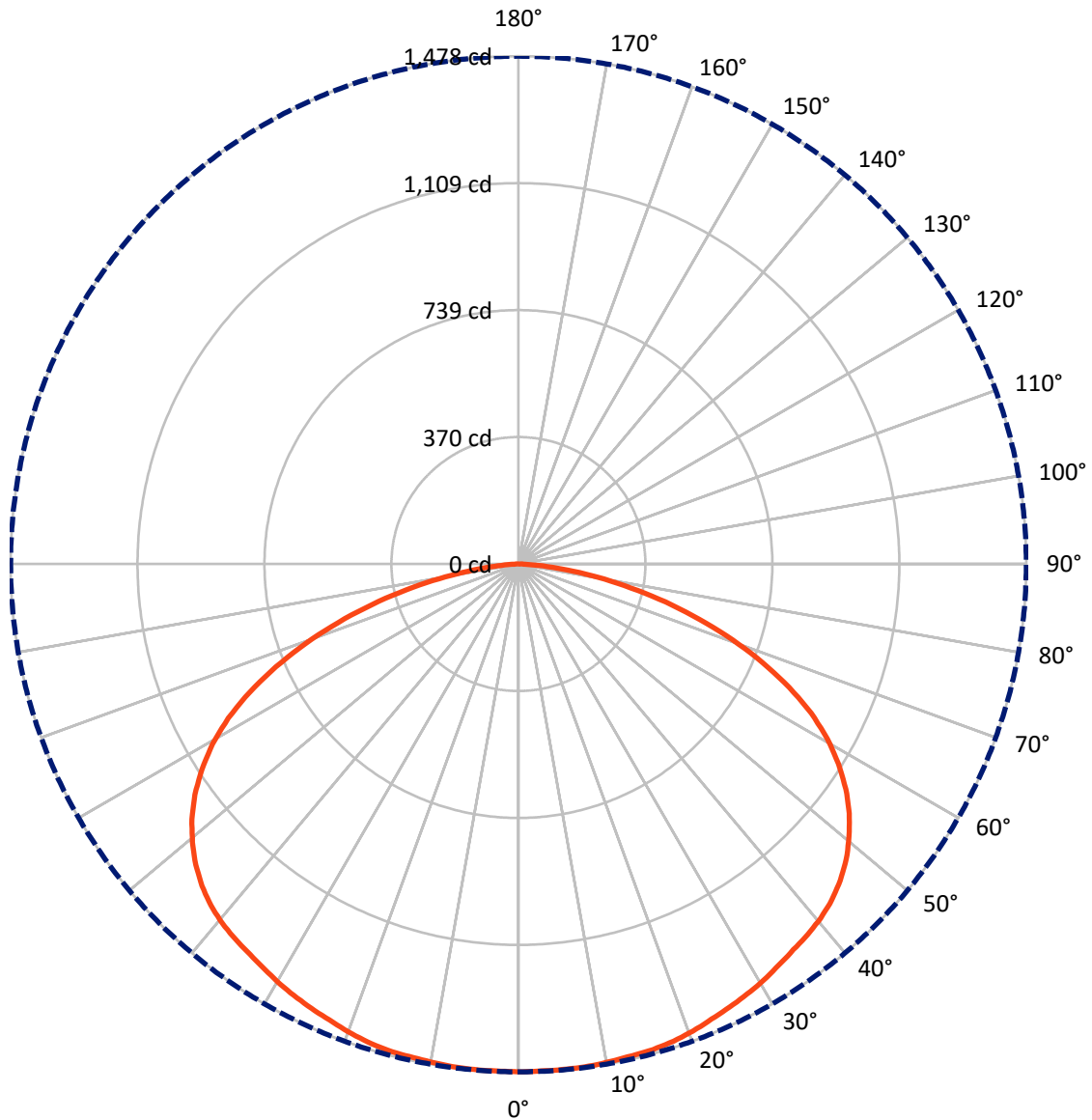
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.8 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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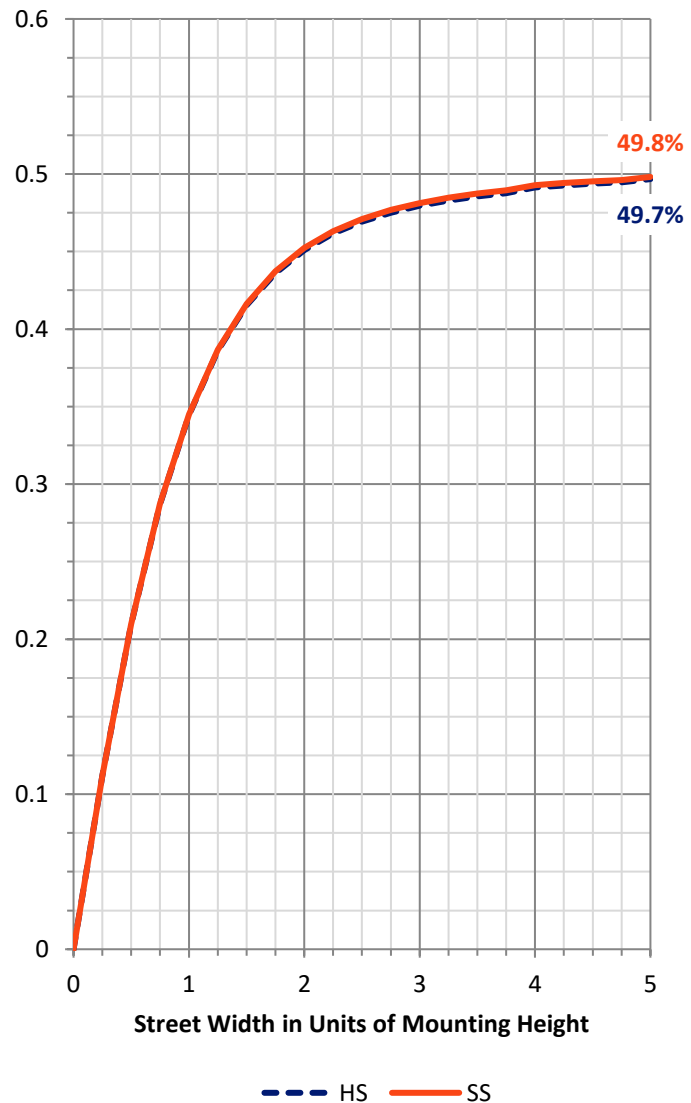
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2812.0	0.0	2812.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2812.0	0.0	2812.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5624.0	0.0	5624.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	2.5
10°-20°	414.8	7.4
20°-30°	660.6	11.7
30°-40°	866.0	15.4
40°-50°	1021.4	18.2
50°-60°	1057.9	18.8
60°-70°	884.7	15.7
70°-80°	482.2	8.6
80°-90°	95.7	1.7
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°	5624.0	100.0
0°-180°	5624.0	100.0



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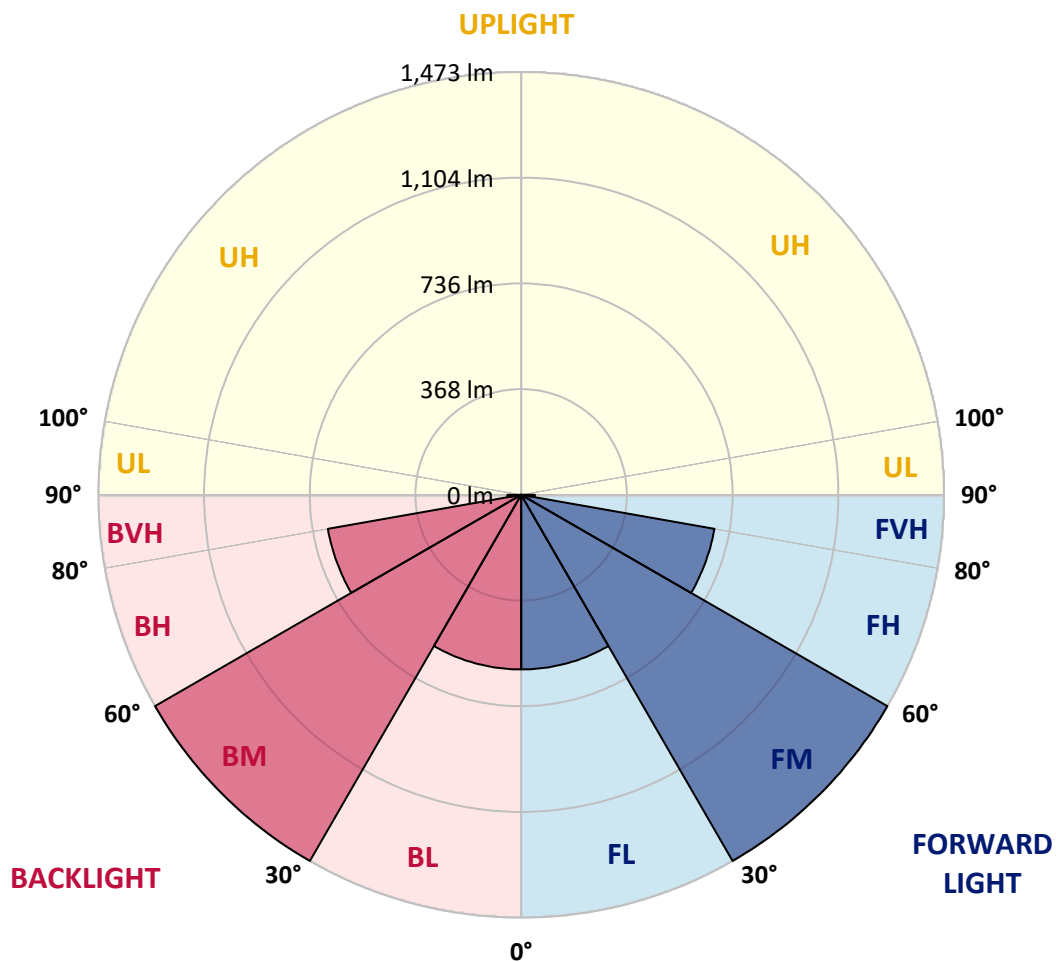
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	608.1	10.8			
FM	(30°-60°)	1472.7	26.2			
FH	(60°-80°)	683.4	12.2			G1/1800
FVH	(80°-90°)	47.9	0.9			G1/100
BL	(0°-30°)	608.1	10.8	B2/1000		
BM	(30°-60°)	1472.7	26.2	B2/2500		
BH	(60°-80°)	683.4	12.2	B2/1000		G1/1800
BVH	(80°-90°)	47.9	0.9			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°	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0
2.5°	1476.8	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1476.8	1478.0	1478.0
5°	1476.8	1476.8	1476.8	1476.8	1478.0	1476.8	1476.8	1476.8	1476.8	1476.8	1476.8
7.5°	1475.7	1474.5	1474.5	1474.5	1474.5	1474.5	1475.7	1475.7	1475.7	1475.7	1475.7
10°	1472.1	1472.1	1472.1	1472.1	1472.1	1472.1	1472.1	1472.1	1472.1	1472.1	1472.1
12.5°	1468.5	1468.5	1468.5	1468.5	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8	1468.5
15°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
17.5°	1460.3	1460.3	1460.3	1460.3	1461.4	1461.4	1461.4	1461.4	1461.4	1461.4	1461.4
20°	1450.8	1450.8	1450.8	1450.8	1450.8	1452.0	1453.1	1453.1	1453.1	1453.1	1453.1
22.5°	1438.9	1438.9	1440.2	1440.2	1441.3	1441.3	1442.5	1442.5	1442.5	1442.5	1442.5
25°	1428.3	1428.3	1428.3	1429.5	1429.5	1429.5	1430.7	1431.9	1431.9	1431.9	1430.7
27.5°	1417.7	1417.7	1417.7	1418.8	1418.8	1418.8	1420.1	1420.1	1421.2	1420.1	1420.1
30°	1405.9	1404.6	1404.6	1405.9	1407.0	1407.0	1408.2	1408.2	1408.2	1408.2	1407.0
32.5°	1391.7	1391.7	1392.8	1394.0	1394.0	1395.1	1396.4	1396.4	1396.4	1397.6	1395.1
35°	1378.6	1379.8	1379.8	1381.0	1383.3	1384.5	1385.7	1386.9	1386.9	1386.9	1384.5
37.5°	1368.0	1369.1	1370.3	1372.7	1375.0	1377.4	1379.8	1382.2	1381.0	1381.0	1377.4
40°	1354.9	1356.1	1358.5	1360.8	1365.6	1368.0	1371.6	1373.9	1375.0	1373.9	1370.3
42.5°	1337.2	1338.4	1340.7	1344.3	1350.2	1354.9	1358.5	1362.1	1363.2	1362.1	1358.5
45°	1313.6	1314.7	1317.0	1321.8	1328.9	1333.7	1339.6	1343.1	1345.5	1345.5	1342.0
47.5°	1284.0	1285.1	1288.7	1293.4	1300.5	1306.4	1313.6	1318.3	1320.6	1323.0	1319.4
50°	1247.2	1248.4	1253.1	1259.1	1265.0	1273.2	1281.6	1288.7	1292.2	1293.4	1292.2
52.5°	1205.9	1207.0	1211.8	1217.7	1226.0	1235.4	1244.9	1253.1	1257.9	1260.3	1257.9
55°	1156.2	1158.5	1162.1	1170.3	1179.8	1188.1	1199.9	1209.4	1215.3	1216.5	1215.3
57.5°	1098.2	1101.7	1105.2	1114.7	1124.2	1136.0	1145.5	1154.9	1162.1	1163.2	1163.2
60°	1033.0	1035.5	1039.0	1048.4	1059.1	1067.4	1080.4	1089.9	1095.8	1095.8	1096.9
62.5°	956.2	958.5	964.4	971.6	983.4	991.7	1002.3	1011.8	1017.7	1020.1	1018.8
65°	866.2	868.6	872.1	881.6	891.0	900.5	911.1	919.5	925.4	926.6	925.4
67.5°	766.8	769.1	771.6	783.4	792.8	796.4	809.5	816.5	820.1	821.2	821.2
70°	661.5	662.7	666.2	672.2	682.8	686.3	694.6	700.5	702.9	707.7	704.1
72.5°	551.5	553.8	562.1	563.3	571.6	576.3	578.6	578.6	584.6	584.6	585.8
75°	442.6	443.8	447.4	448.5	454.4	454.4	453.3	455.6	460.3	460.3	461.5
77.5°	334.9	334.9	340.8	336.1	338.4	333.7	336.1	333.7	337.3	336.1	337.3
80°	234.3	234.3	237.9	233.2	234.3	229.6	230.7	229.6	229.6	230.7	230.7
82.5°	144.4	145.6	147.9	144.4	144.4	140.8	142.0	143.2	143.2	142.0	140.8
85°	71.0	71.0	73.4	72.2	71.0	68.6	69.8	71.0	71.0	69.8	69.8
87.5°	18.9	18.9	20.1	20.1	18.9	17.8	18.9	20.1	20.1	20.1	18.9
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°	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0
2.5°	1476.8	1476.8	1478.0	1476.8	1478.0	1476.8	1478.0	1478.0
5°	1476.8	1476.8	1476.8	1476.8	1476.8	1476.8	1476.8	1476.8
7.5°	1474.5	1475.7	1474.5	1474.5	1474.5	1475.7	1474.5	1475.7
10°	1472.1	1472.1	1472.1	1472.1	1472.1	1472.1	1472.1	1472.1
12.5°	1468.5	1468.5	1468.5	1468.5	1468.5	1468.5	1468.5	1467.3
15°	1466.2	1465.0	1465.0	1465.0	1463.8	1463.8	1463.8	1463.8
17.5°	1461.4	1460.3	1459.1	1459.1	1459.1	1459.1	1457.9	1457.9
20°	1453.1	1452.0	1450.8	1450.8	1449.7	1449.7	1448.4	1448.4
22.5°	1441.3	1441.3	1440.2	1438.9	1438.9	1437.8	1437.8	1436.6
25°	1430.7	1429.5	1428.3	1427.1	1426.0	1426.0	1424.7	1423.6
27.5°	1418.8	1416.5	1415.3	1414.1	1412.9	1411.8	1410.6	1409.3
30°	1405.9	1403.5	1401.1	1399.9	1397.6	1395.1	1394.0	1392.8
32.5°	1392.8	1390.4	1386.9	1383.3	1381.0	1378.6	1376.3	1375.0
35°	1382.2	1377.4	1373.9	1369.1	1365.6	1362.1	1360.8	1359.7
37.5°	1373.9	1369.1	1363.2	1358.5	1354.9	1350.2	1347.9	1345.5
40°	1365.6	1359.7	1352.6	1346.7	1342.0	1336.0	1333.7	1331.2
42.5°	1353.8	1346.7	1339.6	1332.5	1325.3	1319.4	1315.9	1313.6
45°	1337.2	1330.1	1321.8	1312.3	1305.2	1298.2	1294.6	1292.2
47.5°	1314.7	1307.7	1298.2	1289.9	1281.6	1274.5	1269.8	1267.3
50°	1287.5	1280.4	1270.9	1261.5	1253.1	1244.9	1241.3	1237.8
52.5°	1253.1	1247.2	1236.6	1229.6	1220.1	1211.8	1208.2	1205.9
55°	1210.6	1204.6	1194.0	1186.9	1177.5	1170.3	1165.6	1162.1
57.5°	1158.5	1153.8	1142.0	1134.8	1125.4	1118.3	1114.7	1112.4
60°	1094.6	1089.9	1078.1	1070.9	1062.6	1054.4	1052.0	1049.7
62.5°	1015.3	1012.9	1003.5	995.2	986.9	978.6	976.3	975.0
65°	923.0	920.6	912.4	905.2	898.2	891.0	888.7	886.3
67.5°	817.7	816.5	809.5	803.5	798.7	791.7	790.5	788.1
70°	705.3	702.9	697.0	692.3	688.7	682.8	681.6	679.3
72.5°	588.1	586.9	583.4	577.5	577.5	569.2	568.0	566.8
75°	459.1	465.0	460.3	458.0	458.0	453.3	453.3	452.0
77.5°	336.1	342.0	345.6	340.8	345.6	340.8	340.8	339.6
80°	229.6	234.3	237.9	234.3	240.2	236.6	236.6	241.4
82.5°	139.7	144.4	146.7	145.6	149.2	147.9	146.7	150.3
85°	68.6	71.0	72.2	72.2	73.4	71.0	73.4	74.5
87.5°	17.8	18.9	20.1	18.9	20.1	20.1	20.1	21.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)