

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: P197672

Luminaire Tested: **TT-C5-LED-E1-5MQ-PM-CG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115378)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C5-LED-E1-5MQ-PM-CG-LWR-LW-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7483.5 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 77
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

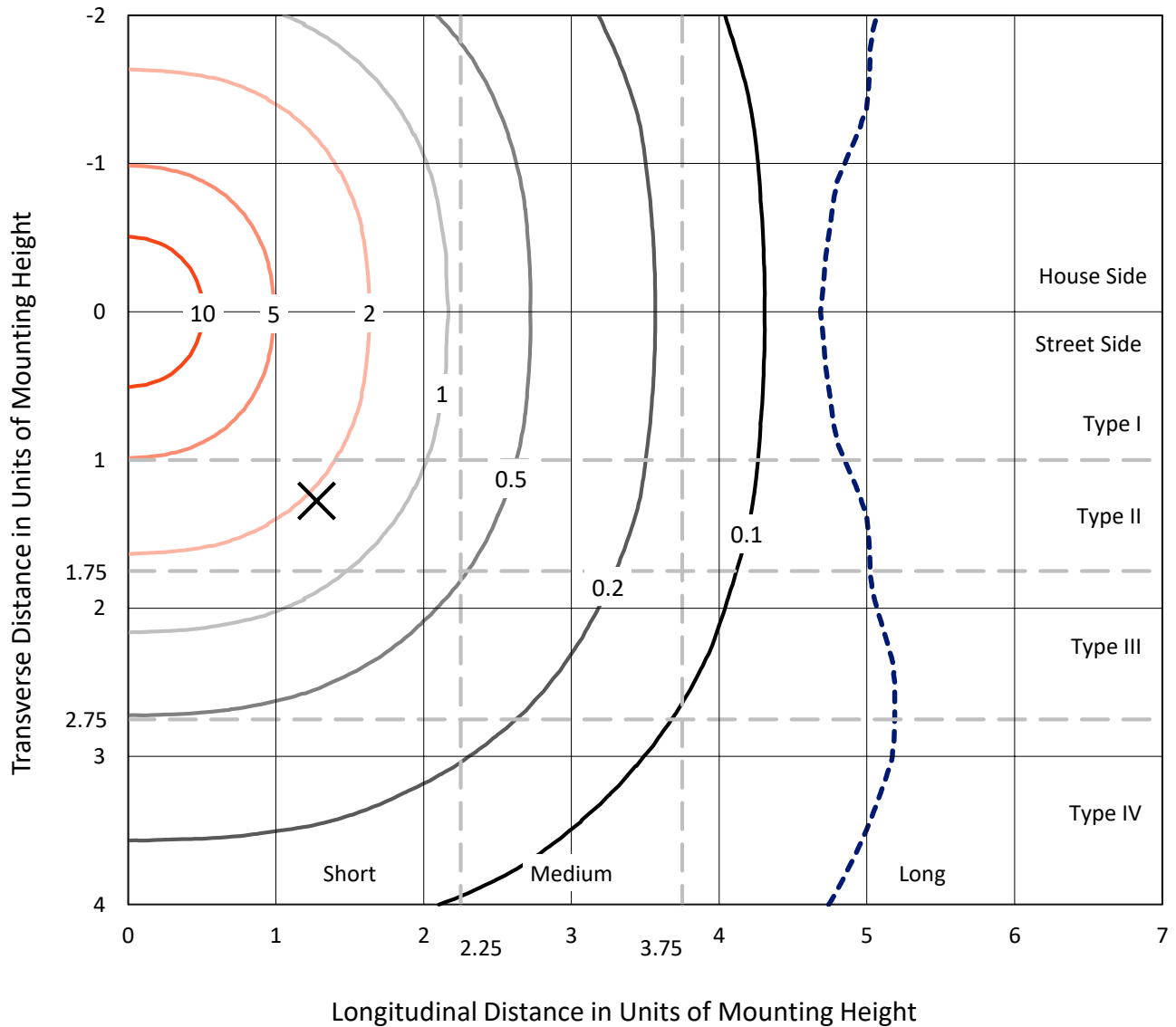


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

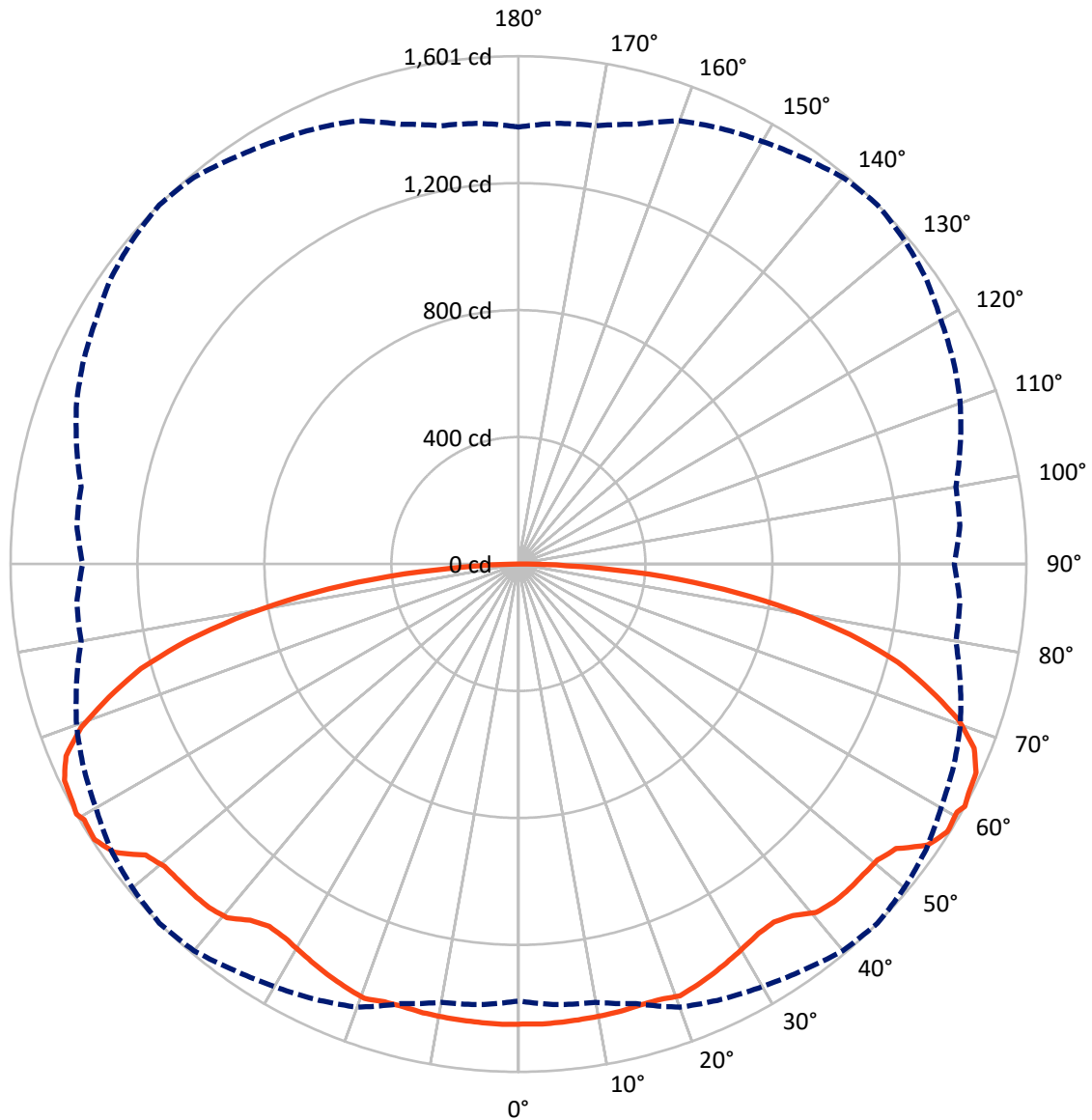


Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 61-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3741.8	0.0	3741.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3741.8	0.0	3741.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7483.5	0.0	7483.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	1.8
10°-20°	408.9	5.5
20°-30°	658.0	8.8
30°-40°	871.6	11.6
40°-50°	1100.7	14.7
50°-60°	1318.9	17.6
60°-70°	1442.1	19.3
70°-80°	1154.4	15.4
80°-90°	390.6	5.2
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°	7483.5	100.0
0°-180°	7483.5	100.0



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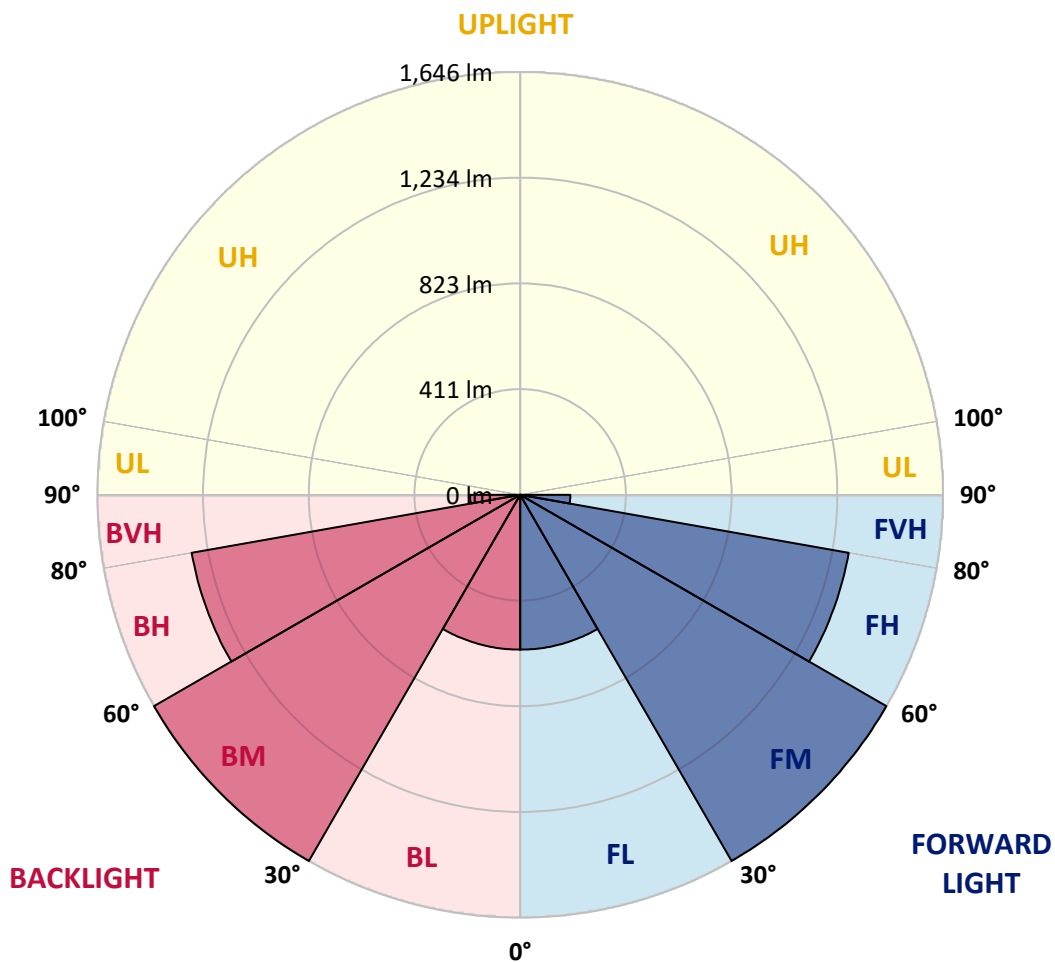
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.6	8.1			
FM (30°-60°)	1645.6	22.0			
FH (60°-80°)	1298.3	17.3			G1/1800
FVH (80°-90°)	195.3	2.6			G2/225
BL (0°-30°)	602.6	8.1	B2/1000		
BM (30°-60°)	1645.6	22.0	B2/2500		
BH (60°-80°)	1298.3	17.3	B3/2500		G1/1800
BVH (80°-90°)	195.3	2.6			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0
2.5°	1451.2	1450.0	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2
5°	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0
7.5°	1448.6	1448.6	1448.6	1448.6	1448.6	1448.6	1448.6	1448.6	1450.0	1448.6	1450.0
10°	1445.7	1445.7	1445.7	1445.7	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
12.5°	1442.9	1442.9	1442.9	1442.9	1444.3	1444.3	1444.3	1444.3	1445.7	1445.7	1444.3
15°	1440.1	1438.7	1438.7	1440.1	1440.1	1441.5	1441.5	1441.5	1442.9	1441.5	1441.5
17.5°	1437.3	1435.9	1437.3	1438.7	1438.7	1440.1	1441.5	1441.5	1442.9	1442.9	1442.9
20°	1441.5	1440.1	1441.5	1442.9	1444.3	1447.2	1448.6	1450.0	1451.2	1452.6	1452.6
22.5°	1433.1	1431.7	1433.1	1433.1	1434.5	1435.9	1438.7	1440.1	1441.5	1441.5	1441.5
25°	1420.6	1420.6	1422.0	1422.0	1423.4	1424.8	1426.2	1427.6	1427.6	1429.0	1427.6
27.5°	1406.7	1406.7	1408.1	1408.1	1410.9	1410.9	1412.3	1413.6	1415.0	1415.0	1415.0
30°	1390.0	1390.0	1391.4	1392.8	1395.4	1396.8	1398.3	1399.7	1401.1	1401.1	1401.1
32.5°	1374.7	1373.3	1374.7	1377.3	1381.5	1384.4	1387.2	1388.6	1388.6	1388.6	1390.0
35°	1362.0	1363.4	1366.2	1369.1	1374.7	1377.3	1380.1	1384.4	1385.8	1385.8	1385.8
37.5°	1364.8	1366.2	1370.5	1375.9	1383.0	1391.4	1396.8	1402.5	1406.7	1405.3	1403.9
40°	1383.0	1385.8	1392.8	1401.1	1412.3	1423.4	1431.7	1438.7	1442.9	1444.3	1442.9
42.5°	1385.8	1388.6	1394.0	1406.7	1419.2	1431.7	1442.9	1450.0	1455.4	1456.8	1455.4
45°	1384.4	1384.4	1392.8	1406.7	1419.2	1431.7	1445.7	1455.4	1461.0	1461.0	1461.0
47.5°	1374.7	1378.7	1384.4	1398.3	1415.0	1427.6	1441.5	1451.2	1458.2	1462.5	1458.2
50°	1374.7	1374.7	1384.4	1394.0	1409.5	1431.7	1451.2	1461.0	1468.1	1466.7	1468.1
52.5°	1371.9	1380.1	1385.8	1399.7	1427.6	1450.0	1465.3	1479.2	1488.8	1490.2	1487.6
55°	1396.8	1398.3	1410.9	1437.3	1463.9	1488.8	1516.8	1537.7	1554.4	1564.3	1550.2
57.5°	1416.4	1409.5	1434.5	1456.8	1487.6	1525.2	1566.9	1583.6	1596.3	1593.5	1597.7
60°	1390.0	1399.7	1417.8	1441.5	1490.2	1527.9	1550.2	1568.3	1583.6	1587.9	1582.4
61°	1377.3	1394.0	1402.5	1434.5	1486.2	1514.0	1537.7	1562.9	1590.7	1600.5	1587.9
62.5°	1356.4	1383.0	1380.1	1431.7	1463.9	1495.9	1540.5	1569.7	1589.3	1592.1	1589.3
65°	1357.8	1353.8	1385.8	1423.4	1455.4	1512.6	1550.2	1568.3	1579.6	1585.0	1582.4
67.5°	1313.3	1299.2	1338.3	1364.8	1419.2	1463.9	1500.1	1526.5	1543.4	1548.8	1542.0
70°	1210.1	1219.9	1247.7	1288.2	1332.8	1387.2	1420.6	1455.4	1469.5	1470.7	1470.7
72.5°	1111.0	1116.7	1144.6	1182.3	1233.8	1281.1	1314.7	1342.5	1355.2	1356.4	1359.2
75°	980.0	985.6	1017.6	1052.5	1104.2	1144.6	1168.2	1201.8	1219.9	1235.2	1222.7
77.5°	828.0	837.9	862.9	900.7	948.0	970.3	1012.2	1051.2	1063.7	1068.0	1063.7
80°	656.6	669.2	691.6	741.7	762.6	798.9	839.3	856.0	867.1	869.9	871.3
82.5°	472.6	482.4	506.0	540.8	564.6	594.0	621.7	642.7	655.2	652.5	651.1
85°	278.8	281.6	306.7	330.5	348.6	366.7	388.9	404.4	407.2	412.6	411.2
87.5°	83.7	85.1	96.2	108.7	117.1	125.4	139.5	157.6	161.6	150.6	152.0
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°	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0
2.5°	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1450.0	1451.2
5°	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0	1450.0
7.5°	1450.0	1448.6	1448.6	1448.6	1448.6	1448.6	1448.6	1448.6
10°	1447.2	1447.2	1447.2	1447.2	1445.7	1445.7	1445.7	1445.7
12.5°	1444.3	1444.3	1444.3	1444.3	1442.9	1442.9	1442.9	1442.9
15°	1441.5	1441.5	1441.5	1441.5	1440.1	1440.1	1440.1	1440.1
17.5°	1442.9	1441.5	1440.1	1440.1	1438.7	1437.3	1437.3	1437.3
20°	1451.2	1450.0	1447.2	1444.3	1442.9	1441.5	1441.5	1441.5
22.5°	1440.1	1438.7	1435.9	1434.5	1434.5	1433.1	1431.7	1431.7
25°	1427.6	1424.8	1424.8	1423.4	1423.4	1420.6	1420.6	1419.2
27.5°	1413.6	1412.3	1410.9	1409.5	1409.5	1408.1	1406.7	1405.3
30°	1401.1	1398.3	1395.4	1394.0	1392.8	1391.4	1391.4	1391.4
32.5°	1388.6	1385.8	1384.4	1380.1	1377.3	1375.9	1374.7	1374.7
35°	1384.4	1380.1	1377.3	1373.3	1369.1	1366.2	1364.8	1362.0
37.5°	1401.1	1395.4	1391.4	1384.4	1374.7	1370.5	1366.2	1364.8
40°	1437.3	1431.7	1423.4	1412.3	1401.1	1392.8	1385.8	1383.0
42.5°	1450.0	1442.9	1431.7	1420.6	1406.7	1394.0	1388.6	1385.8
45°	1454.0	1447.2	1431.7	1417.8	1405.3	1394.0	1385.8	1383.0
47.5°	1450.0	1440.1	1426.2	1415.0	1396.8	1383.0	1377.3	1373.3
50°	1459.6	1451.2	1433.1	1408.1	1392.8	1384.4	1374.7	1373.3
52.5°	1479.2	1463.9	1447.2	1429.0	1399.7	1383.0	1377.3	1370.5
55°	1537.7	1516.8	1487.6	1458.2	1440.1	1413.6	1396.8	1396.8
57.5°	1582.4	1565.5	1527.9	1488.8	1455.4	1435.9	1410.9	1412.3
60°	1569.7	1547.4	1529.3	1490.2	1442.9	1416.4	1406.7	1388.6
61°	1568.3	1537.7	1512.6	1482.0	1441.5	1399.7	1396.8	1373.3
62.5°	1571.1	1543.4	1495.9	1463.9	1433.1	1378.7	1377.3	1355.2
65°	1568.3	1542.0	1518.2	1458.2	1416.4	1394.0	1346.7	1364.8
67.5°	1525.2	1501.5	1458.2	1424.8	1360.6	1332.8	1306.3	1306.3
70°	1456.8	1422.0	1380.1	1338.3	1295.2	1247.7	1224.0	1210.1
72.5°	1342.5	1313.3	1279.9	1235.2	1182.3	1139.0	1116.7	1107.0
75°	1199.0	1166.8	1137.6	1104.2	1048.4	1012.2	988.5	981.4
77.5°	1048.4	1020.5	968.9	936.9	899.3	857.4	836.5	828.0
80°	856.0	840.7	804.5	752.8	734.7	683.1	669.2	656.6
82.5°	642.7	626.0	592.5	556.3	534.0	504.6	479.6	476.8
85°	404.4	393.1	372.2	345.8	317.8	301.1	278.8	284.4
87.5°	150.6	143.5	131.0	114.3	101.8	90.6	79.5	83.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)