

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: P197837

Luminaire Tested: **TT-C5-LED-E1-5WQ-PM-CG-MS/DIM-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197837  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115513)  
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-E1-5WQ-PM-CG-MS/DIM-8030  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR  
Light Source: (160) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6258.8 lumens  
Efficiency: N/A  
Efficacy: 81.3 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full 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

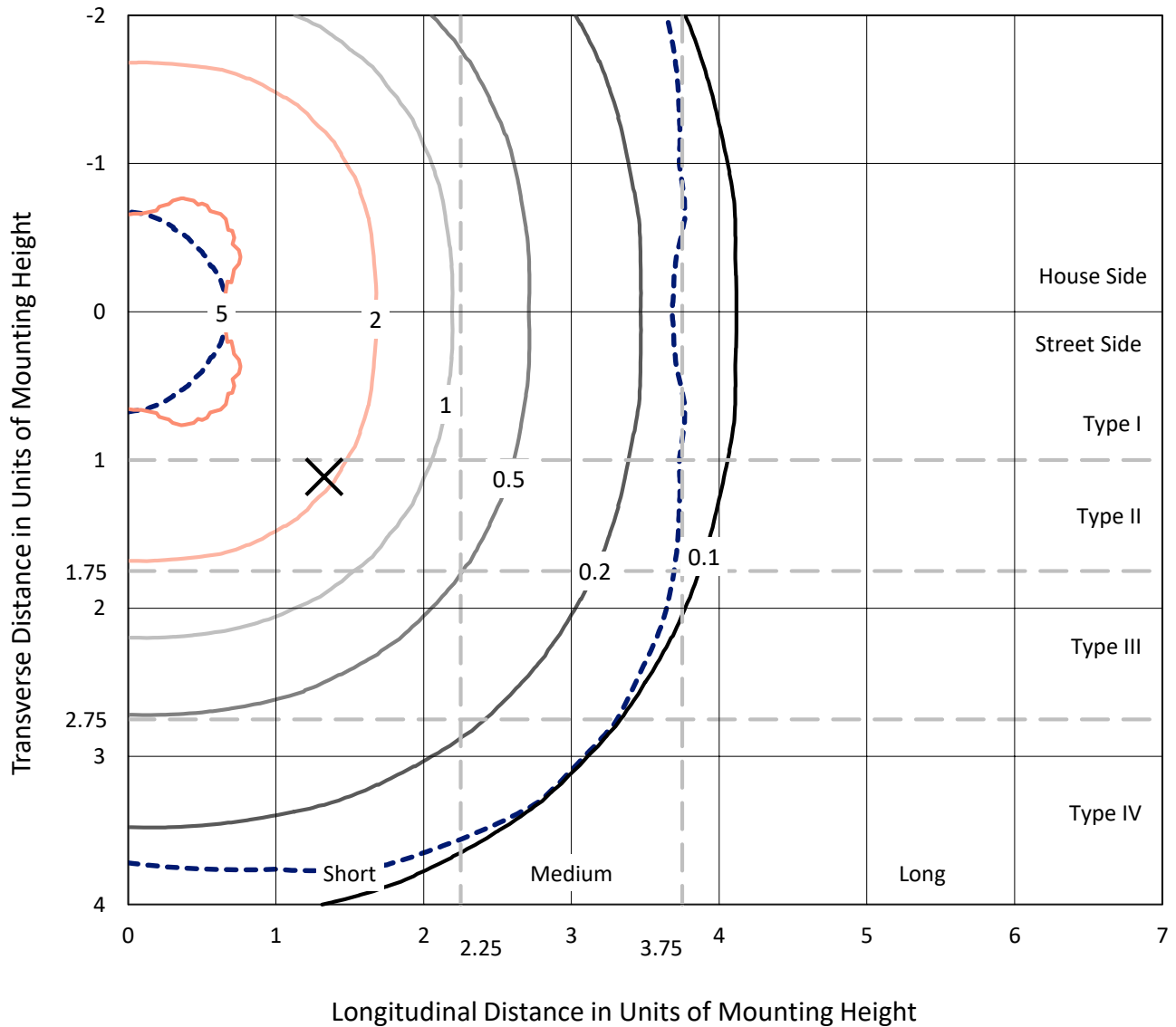


REPORT NUMBER: P197837

CATALOG NUMBER: TT-C5-LED-E1-5WQ-PM-CG-MS/DIM-8030

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

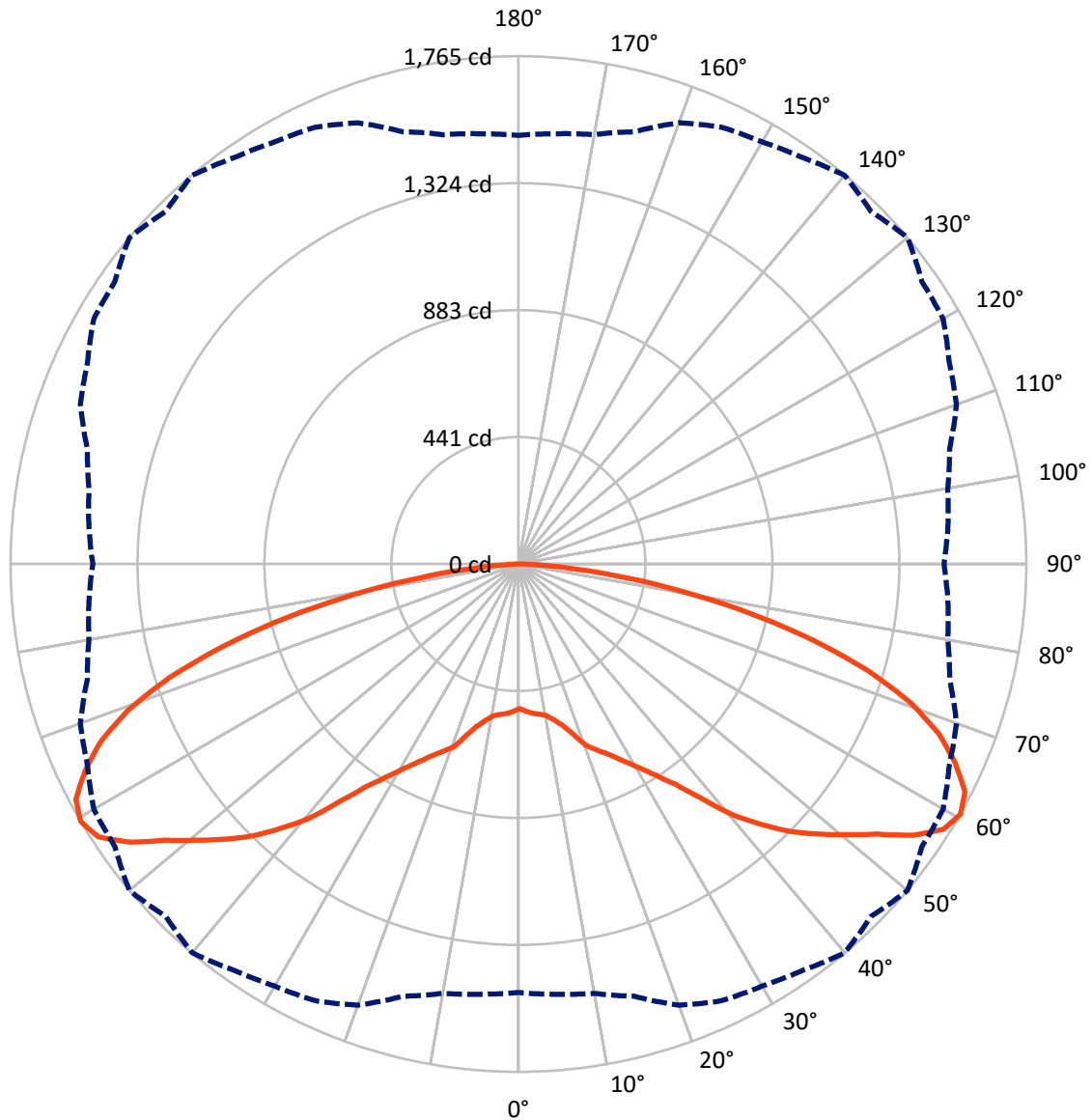


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc  
 Type V - Short - Full Cutoff

REPORT NUMBER: P197837

CATALOG NUMBER: TT-C5-LED-E1-5WQ-PM-CG-MS/DIM-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P197837

CATALOG NUMBER: TT-C5-LED-E1-5WQ-PM-CG-MS/DIM-8030

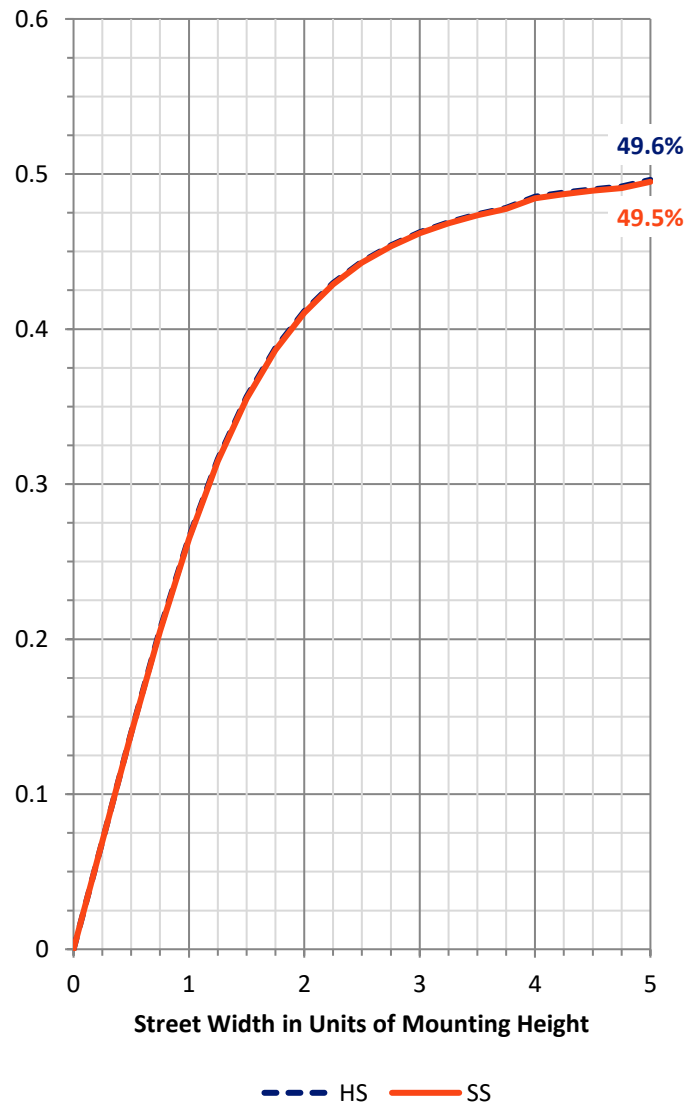
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3129.4	0.0	3129.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3129.4	0.0	3129.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6258.8	0.0	6258.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.0	0.8
10°-20°	168.9	2.7
20°-30°	340.9	5.4
30°-40°	589.2	9.4
40°-50°	978.7	15.6
50°-60°	1390.8	22.2
60°-70°	1519.2	24.3
70°-80°	1009.3	16.1
80°-90°	211.8	3.4
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°	6258.8	100.0
0°-180°	6258.8	100.0



REPORT NUMBER: P197837

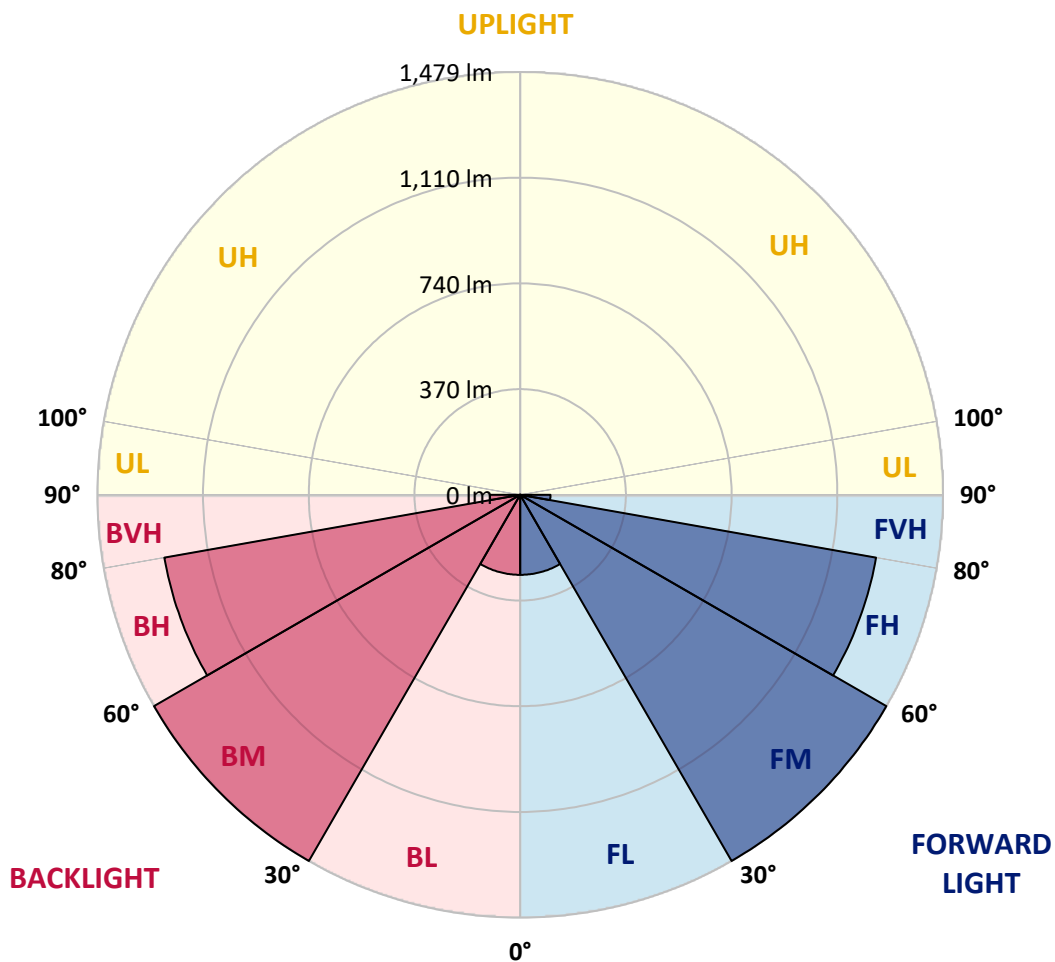
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.9	4.5			
FM (30°-60°)	1479.4	23.6			
FH (60°-80°)	1264.2	20.2			G1/1800
FVH (80°-90°)	105.9	1.7			G2/225
BL (0°-30°)	279.9	4.5	B1/500		
BM (30°-60°)	1479.4	23.6	B2/2500		
BH (60°-80°)	1264.2	20.2	B3/2500		G1/1800
BVH (80°-90°)	105.9	1.7			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: P197837

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	502.2	502.2	502.2	502.2	502.2	502.2	502.2	502.2	502.2	502.2	502.2
2.5°	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	511.2	512.5	512.5
5°	517.7	517.7	517.7	519.0	519.0	519.0	520.3	520.3	520.3	521.6	521.6
7.5°	521.6	521.6	521.6	521.6	522.9	522.9	522.9	524.2	524.2	525.5	526.8
10°	538.4	538.4	538.4	538.4	538.4	537.1	537.1	537.1	535.8	535.8	535.8
12.5°	559.1	560.4	561.7	561.7	561.7	561.7	559.1	556.5	556.5	556.5	556.5
15°	578.5	579.8	581.1	583.7	585.0	586.3	586.3	586.3	586.3	586.3	583.7
17.5°	609.6	610.9	610.9	612.2	613.5	613.5	614.8	618.7	623.8	626.4	623.8
20°	657.5	660.1	661.4	661.4	662.7	661.4	664.0	666.5	670.4	673.0	674.3
22.5°	692.4	695.0	698.9	698.9	698.9	697.6	700.2	701.5	700.2	700.2	702.8
25°	719.6	722.2	724.8	726.1	728.7	733.8	739.0	739.0	735.1	733.8	733.8
27.5°	754.6	758.4	758.4	759.7	762.3	766.2	771.4	775.3	777.9	775.3	774.0
30°	799.9	802.4	803.7	802.4	807.6	808.9	810.2	812.8	820.6	825.7	819.3
32.5°	834.8	838.7	842.6	847.7	859.4	864.6	863.3	865.9	868.5	873.6	874.9
35°	887.9	894.3	895.6	899.5	913.8	921.5	933.2	939.6	938.3	931.9	940.9
37.5°	968.1	975.9	977.2	983.6	997.9	1004.3	1017.3	1034.1	1038.0	1028.9	1034.1
40°	1052.2	1062.6	1071.7	1085.9	1109.2	1117.0	1132.5	1141.5	1154.5	1155.8	1146.7
42.5°	1123.4	1135.1	1135.1	1159.7	1185.5	1207.5	1227.0	1228.3	1237.3	1250.3	1237.3
45°	1199.8	1208.8	1212.7	1233.4	1249.0	1277.4	1305.9	1316.3	1320.2	1322.7	1326.6
47.5°	1269.7	1281.3	1285.2	1303.3	1320.2	1346.0	1364.2	1395.2	1403.0	1392.6	1403.0
50°	1313.7	1326.6	1337.0	1374.5	1404.3	1426.3	1441.8	1469.0	1484.5	1476.8	1478.1
52.5°	1382.3	1386.2	1396.5	1417.2	1459.9	1519.5	1537.6	1546.6	1568.6	1580.3	1559.6
55°	1475.5	1488.4	1496.2	1520.8	1542.8	1585.5	1654.1	1668.3	1663.1	1699.4	1664.4
57.5°	1491.0	1510.4	1535.0	1581.6	1620.4	1643.7	1686.4	1735.6	1734.3	1739.5	1740.8
60°	1489.7	1501.3	1515.6	1555.7	1632.1	1674.8	1694.2	1724.0	1764.1	1733.0	1765.4
62.5°	1480.6	1497.5	1513.0	1541.5	1582.9	1643.7	1698.1	1694.2	1748.6	1724.0	1742.1
65°	1426.3	1441.8	1470.3	1507.8	1558.3	1586.8	1641.1	1676.1	1668.3	1702.0	1668.3
67.5°	1331.8	1346.0	1369.3	1413.3	1466.4	1507.8	1527.2	1585.5	1579.0	1616.5	1576.4
70°	1202.4	1220.5	1247.7	1278.7	1330.5	1374.5	1396.5	1434.0	1452.2	1449.6	1447.0
72.5°	1047.1	1062.6	1084.6	1118.2	1162.3	1205.0	1221.8	1250.3	1280.0	1271.0	1273.6
75°	873.6	886.6	903.4	924.1	965.5	999.2	1018.6	1044.5	1067.8	1061.3	1058.7
77.5°	673.0	688.5	706.7	726.1	742.9	774.0	788.2	806.3	825.7	821.9	823.2
80°	471.1	484.1	495.7	516.4	529.4	539.7	555.2	563.0	577.2	574.7	578.5
82.5°	287.3	296.4	304.2	314.5	326.2	323.6	324.9	333.9	345.6	339.1	349.5
85°	141.1	139.8	147.5	150.1	157.9	156.6	155.3	160.5	167.0	163.1	163.1
87.5°	36.2	36.2	36.2	37.5	41.4	45.3	41.4	44.0	46.6	47.9	46.6
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: P197837

CATALOG NUMBER: TT-C5-LED-E1-5WQ-PM-CG-MS/DIM-8030

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	502.2	502.2	502.2	502.2	502.2	502.2	502.2	502.2
2.5°	511.2	512.5	511.2	512.5	512.5	512.5	512.5	511.2
5°	521.6	520.3	520.3	520.3	519.0	517.7	517.7	517.7
7.5°	526.8	526.8	525.5	524.2	522.9	522.9	525.5	524.2
10°	538.4	539.7	541.0	542.3	541.0	539.7	539.7	538.4
12.5°	556.5	557.8	560.4	563.0	563.0	561.7	559.1	557.8
15°	582.4	581.1	582.4	585.0	585.0	581.1	577.2	575.9
17.5°	618.7	614.8	612.2	612.2	614.8	610.9	607.0	608.3
20°	669.1	662.7	661.4	657.5	661.4	661.4	654.9	654.9
22.5°	705.4	700.2	695.0	691.1	696.3	698.9	692.4	687.3
25°	739.0	737.7	730.0	726.1	726.1	727.4	718.3	719.6
27.5°	772.7	772.7	767.5	761.0	758.4	762.3	754.6	752.0
30°	812.8	808.9	812.8	803.7	797.3	801.2	801.2	796.0
32.5°	864.6	859.4	863.3	852.9	843.9	842.6	836.1	828.3
35°	938.3	925.4	918.9	913.8	895.6	894.3	893.0	886.6
37.5°	1031.5	1014.7	1000.5	1001.8	975.9	969.4	969.4	960.3
40°	1142.8	1132.5	1111.8	1104.0	1078.1	1061.3	1060.0	1043.2
42.5°	1220.5	1224.4	1197.2	1179.1	1158.4	1132.5	1133.8	1115.7
45°	1305.9	1298.1	1273.6	1243.8	1234.7	1206.3	1207.5	1189.4
47.5°	1387.5	1359.0	1346.0	1313.7	1299.4	1267.1	1271.0	1258.0
50°	1467.7	1436.6	1422.4	1387.5	1364.2	1330.5	1326.6	1299.4
52.5°	1553.1	1523.4	1503.9	1453.5	1422.4	1396.5	1386.2	1373.2
55°	1664.4	1634.7	1586.8	1537.6	1514.3	1474.2	1470.3	1453.5
57.5°	1713.6	1690.3	1639.8	1607.5	1560.9	1519.5	1503.9	1471.6
60°	1712.3	1704.5	1652.8	1620.4	1551.8	1515.6	1498.8	1479.3
62.5°	1698.1	1689.0	1628.2	1591.9	1529.8	1498.8	1485.8	1461.2
65°	1669.6	1638.5	1584.2	1554.4	1487.1	1459.9	1431.5	1409.5
67.5°	1589.4	1524.6	1500.1	1462.5	1396.5	1368.0	1340.9	1318.9
70°	1439.2	1391.3	1369.3	1322.7	1265.8	1247.7	1214.0	1189.4
72.5°	1247.7	1221.8	1198.5	1148.0	1107.9	1089.8	1056.1	1035.4
75°	1035.4	1019.9	987.5	950.0	913.8	907.3	871.0	863.3
77.5°	803.7	789.5	763.6	736.4	719.6	706.7	674.3	671.7
80°	563.0	553.9	533.2	521.6	509.9	498.3	476.3	473.7
82.5°	332.6	326.2	327.4	315.8	309.3	306.7	289.9	291.2
85°	160.5	155.3	155.3	155.3	148.8	147.5	137.2	138.5
87.5°	46.6	41.4	41.4	41.4	38.8	38.8	33.7	34.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)