

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: P200580

Luminaire Tested: **GPC-AF-02-LED-E1-RW-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-02-LED-E1-RW-8030-600
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6827 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B3 - U0 - G3

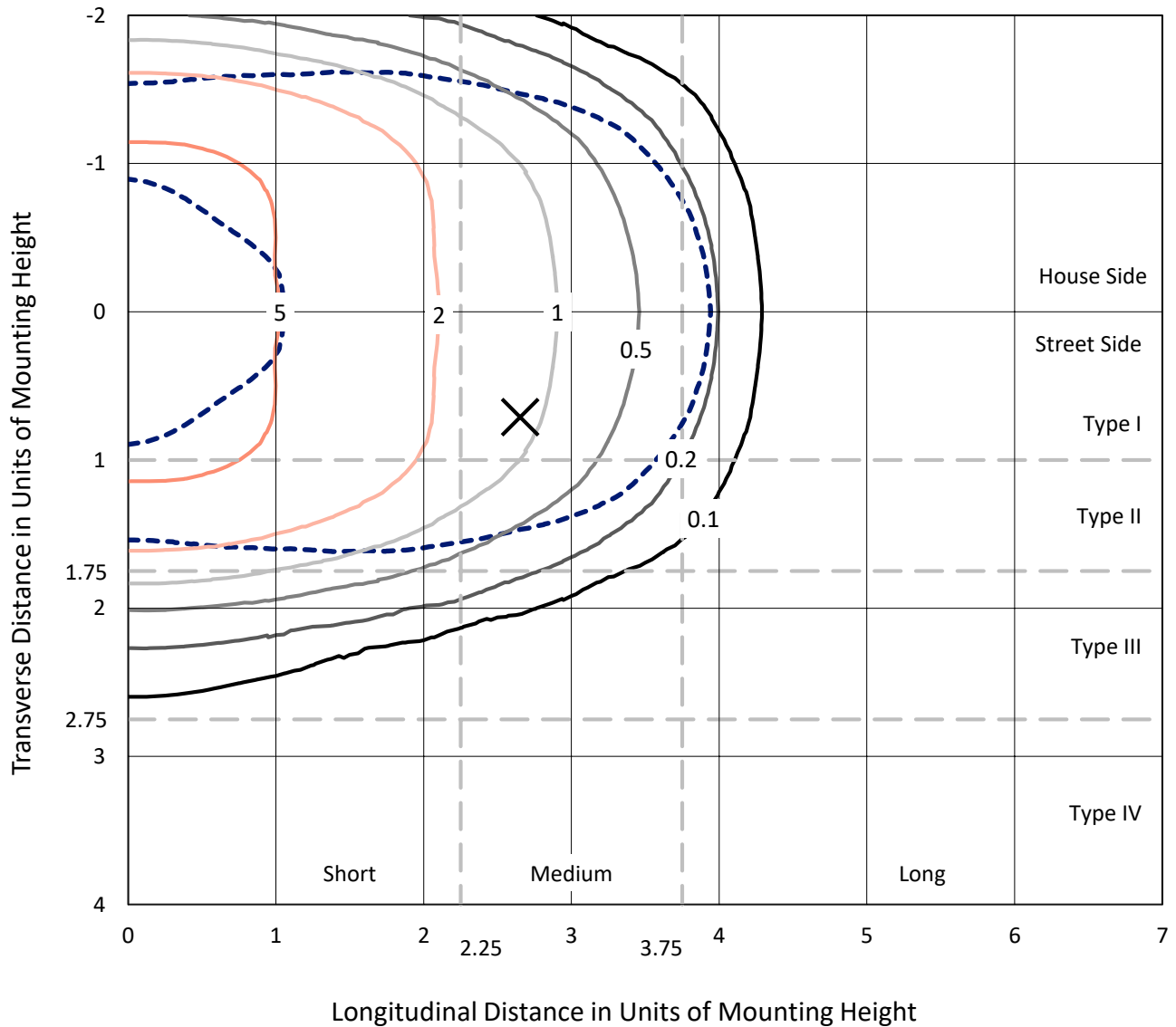
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P200580
 CATALOG NUMBER: GPC-AF-02-LED-E1-RW-8030-600

Iso-Footcandle Lines of Horizontal Illumination

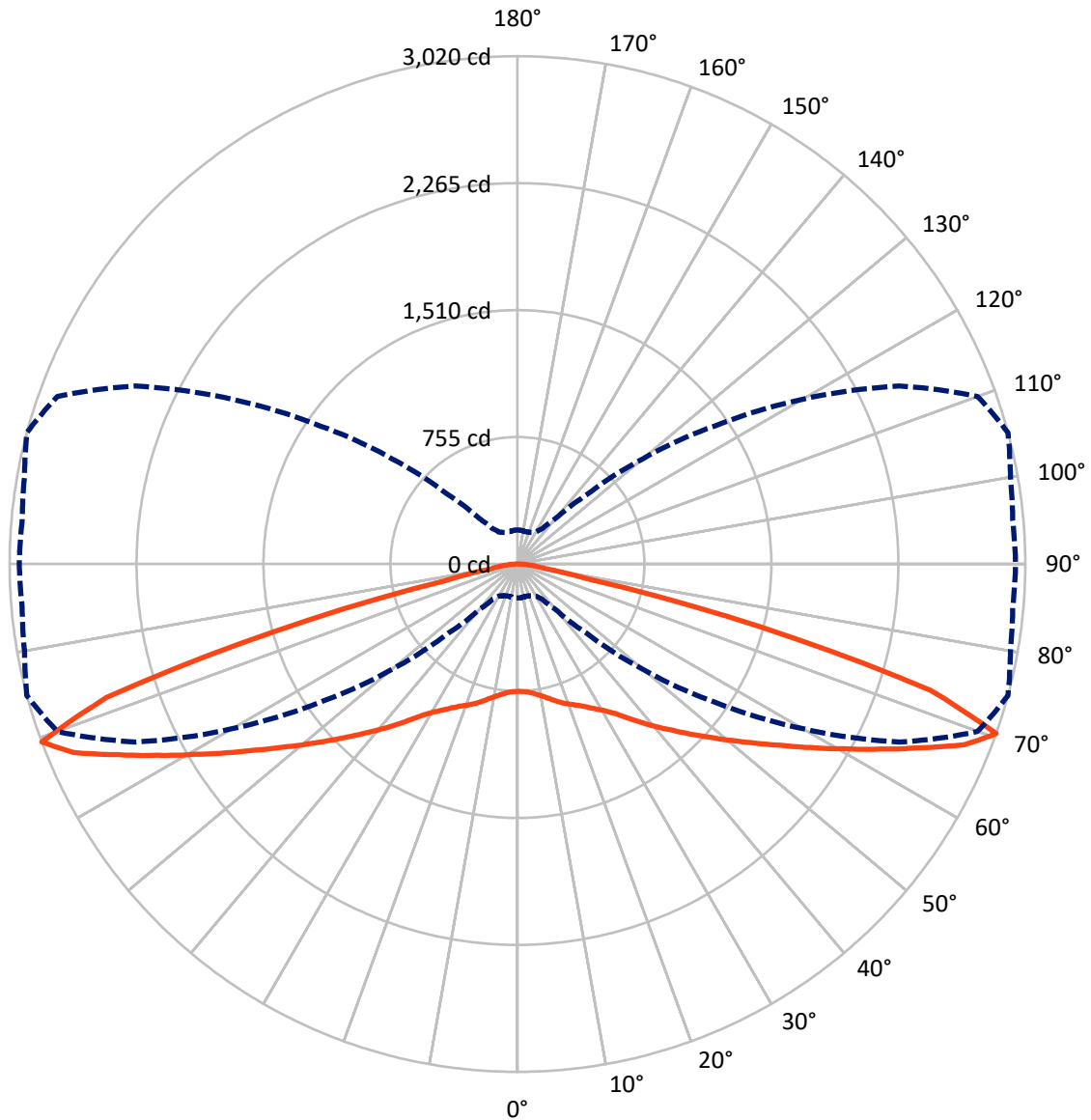
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Medium - Full Cutoff

REPORT NUMBER: P200580
CATALOG NUMBER: GPC-AF-02-LED-E1-RW-8030-600

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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CATALOG NUMBER: GPC-AF-02-LED-E1-RW-8030-600

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3413.5	0.0	3413.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3413.5	0.0	3413.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6827.0	0.0	6827.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	1.1
10°-20°	225.7	3.3
20°-30°	424.7	6.2
30°-40°	752.1	11.0
40°-50°	1257.8	18.4
50°-60°	1752.8	25.7
60°-70°	1625.4	23.8
70°-80°	647.8	9.5
80°-90°	68.1	1.0
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°	6827.0	100.0
0°-180°	6827.0	100.0



REPORT NUMBER: P200580

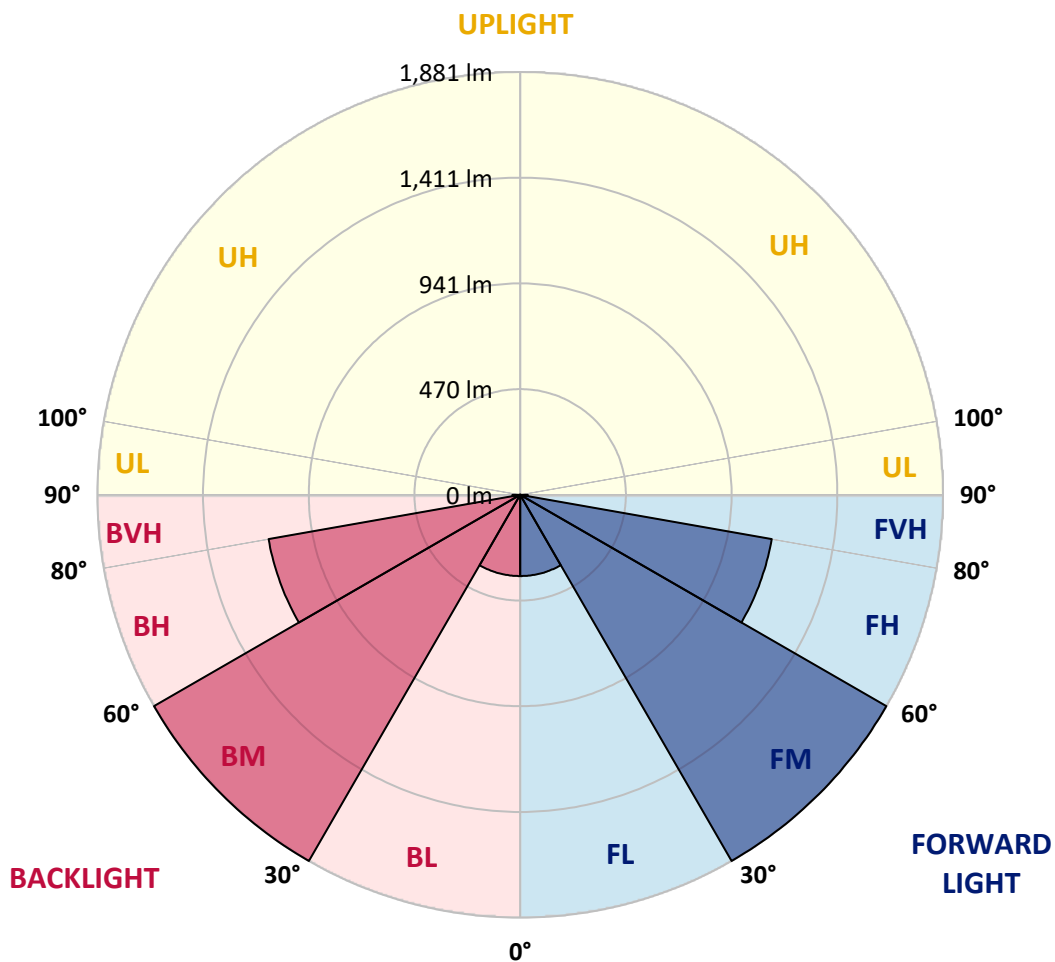
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	361.5	5.3			
FM	(30°-60°)	1881.4	27.6			
FH	(60°-80°)	1136.6	16.6			G1/1800
FVH	(80°-90°)	34.0	0.5			G1/100
BL	(0°-30°)	361.5	5.3	B1/500		
BM	(30°-60°)	1881.4	27.6	B2/2500		
BH	(60°-80°)	1136.6	16.6	B3/2500		G3/2500
BVH	(80°-90°)	34.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium





REPORT NUMBER: P200580

CATALOG NUMBER: GPC-AF-02-LED-E1-RW-8030-600

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	757.3	757.3	757.3	757.3	757.3	757.3	757.3	757.3	757.3	757.3	757.3
2.5°	756.0	755.3	756.0	755.7	756.3	756.3	757.0	758.2	758.2	759.2	758.9
5°	748.6	748.2	749.2	750.2	751.1	753.1	755.0	757.9	760.2	761.8	763.4
7.5°	734.0	734.0	735.3	737.6	739.8	744.0	748.6	754.4	760.2	765.0	769.2
10°	722.1	722.7	724.4	728.2	732.1	738.6	744.7	753.1	761.1	769.2	775.7
12.5°	715.0	716.0	718.9	724.7	731.1	739.8	749.2	759.9	768.9	778.6	785.0
15°	717.3	717.9	722.1	729.2	737.6	748.6	761.1	773.7	784.4	794.7	803.4
17.5°	729.8	730.8	735.7	743.7	752.4	765.3	778.9	793.1	806.3	817.9	828.6
20°	752.4	753.4	759.5	768.2	778.6	791.8	805.3	820.2	835.0	847.3	859.2
22.5°	784.4	786.0	791.8	800.5	812.1	826.3	842.5	858.3	872.5	883.8	894.4
25°	826.3	829.9	835.4	845.0	857.3	870.2	887.6	903.8	917.3	928.0	935.7
27.5°	885.7	890.5	894.7	904.1	916.0	928.3	945.7	959.9	972.8	983.1	988.9
30°	964.4	969.3	973.5	982.5	993.5	1005.1	1021.5	1034.1	1042.2	1050.2	1049.9
32.5°	1059.9	1065.1	1066.7	1076.4	1087.7	1100.3	1115.1	1122.2	1128.7	1129.6	1123.8
35°	1166.7	1169.3	1175.8	1188.7	1201.6	1211.9	1226.1	1229.6	1229.6	1224.8	1211.9
37.5°	1283.8	1285.5	1294.5	1309.0	1322.2	1332.9	1342.6	1349.7	1346.1	1335.8	1314.2
40°	1412.3	1415.2	1428.1	1441.0	1455.8	1465.8	1476.2	1477.4	1473.9	1458.7	1429.4
42.5°	1534.9	1537.5	1550.4	1570.7	1590.0	1603.9	1613.6	1615.5	1604.2	1590.4	1553.9
45°	1640.4	1647.2	1663.9	1687.8	1715.9	1735.6	1748.8	1754.3	1744.3	1726.2	1683.9
47.5°	1724.0	1730.7	1754.6	1783.0	1817.8	1849.8	1871.7	1883.3	1880.8	1867.2	1821.1
50°	1785.3	1791.7	1817.5	1852.4	1893.0	1932.7	1970.1	1997.9	2007.6	2001.4	1959.2
52.5°	1792.4	1803.0	1833.3	1880.1	1933.0	1987.2	2040.5	2087.6	2119.5	2124.4	2093.1
55°	1693.3	1703.9	1745.9	1815.3	1894.0	1982.4	2067.6	2147.0	2209.9	2242.1	2225.7
57.5°	1459.7	1478.7	1522.9	1604.2	1720.1	1852.4	1988.2	2129.2	2257.3	2342.8	2359.3
60°	1118.6	1141.2	1185.8	1272.2	1401.3	1559.1	1740.4	1948.8	2175.0	2367.3	2482.2
62.5°	717.6	738.9	785.7	860.8	966.0	1137.0	1331.6	1579.1	1883.0	2186.6	2460.3
65°	368.8	380.4	404.9	450.4	532.4	660.2	834.7	1081.5	1429.0	1803.6	2199.2
67.5°	233.6	235.9	241.3	247.8	268.8	313.0	394.3	548.2	834.1	1224.8	1687.8
70°	202.0	202.0	199.4	198.4	201.0	207.1	219.7	255.5	352.0	581.4	973.5
72.5°	184.9	182.9	178.4	174.9	174.2	174.2	176.8	182.3	197.8	236.8	381.1
75°	170.4	164.9	158.7	154.6	152.9	151.3	151.0	152.0	155.2	161.3	182.0
77.5°	152.6	145.5	138.4	134.2	132.3	130.0	128.1	125.8	124.2	126.2	135.2
80°	131.3	123.3	117.8	115.2	113.3	110.0	105.8	102.0	98.4	97.8	103.2
82.5°	105.8	96.5	96.8	97.8	94.2	89.7	85.2	81.0	74.9	71.6	74.9
85°	85.5	80.7	78.4	84.5	79.4	72.6	65.5	58.1	48.4	40.7	44.2
87.5°	33.2	33.2	49.7	76.5	68.7	56.1	48.1	41.0	25.5	19.7	20.0
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: P200580

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	757.3	757.3	757.3	757.3	757.3	757.3	757.3	757.3
2.5°	758.6	759.2	758.9	758.6	758.6	758.2	758.6	758.6
5°	764.4	766.0	766.0	766.6	766.6	767.0	767.3	767.0
7.5°	773.1	776.0	777.9	780.2	780.5	780.8	781.5	780.8
10°	781.8	787.6	791.8	796.0	797.9	798.6	799.2	799.2
12.5°	792.8	800.8	808.3	815.7	819.2	821.2	821.2	822.4
15°	810.8	818.9	827.6	837.6	843.7	847.0	847.9	847.9
17.5°	836.3	843.4	850.8	860.5	868.3	872.5	873.4	873.1
20°	866.0	872.8	877.0	883.1	889.9	894.7	896.0	896.0
22.5°	899.9	903.8	904.4	906.3	911.8	918.3	921.2	921.8
25°	937.3	938.3	935.7	935.7	939.3	945.4	948.3	948.6
27.5°	985.7	980.9	974.4	972.2	974.4	981.5	985.1	986.4
30°	1046.1	1034.4	1019.6	1011.5	1010.2	1019.6	1026.0	1027.0
32.5°	1115.1	1098.3	1078.6	1062.2	1058.0	1063.8	1071.5	1071.2
35°	1197.1	1177.0	1153.2	1132.2	1122.5	1128.3	1139.3	1140.6
37.5°	1291.6	1265.5	1238.0	1211.6	1196.4	1198.0	1209.6	1213.5
40°	1397.1	1363.2	1328.7	1293.2	1271.6	1267.4	1281.6	1283.8
42.5°	1510.0	1466.5	1422.9	1379.0	1351.3	1344.8	1361.3	1360.3
45°	1630.4	1574.9	1523.9	1475.5	1442.6	1432.9	1446.5	1446.5
47.5°	1759.8	1691.4	1630.7	1575.9	1540.0	1526.2	1539.1	1540.0
50°	1896.9	1824.3	1753.0	1692.0	1649.1	1631.3	1648.1	1650.7
52.5°	2033.4	1962.7	1890.8	1821.1	1769.1	1747.5	1766.9	1775.3
55°	2171.8	2102.4	2033.7	1965.6	1904.0	1878.5	1899.2	1909.8
57.5°	2318.0	2253.8	2188.3	2119.5	2060.2	2020.5	2042.4	2056.6
60°	2489.3	2434.4	2366.4	2290.5	2230.5	2190.2	2202.8	2215.4
62.5°	2624.8	2646.1	2588.3	2500.6	2423.5	2371.8	2384.1	2397.3
65°	2559.3	2777.7	2829.0	2740.3	2633.5	2553.2	2548.0	2554.8
67.5°	2139.2	2563.5	2872.9	2957.5	2868.1	2756.4	2735.8	2745.8
70°	1431.0	1959.5	2505.4	2912.0	3020.1	2976.8	2956.5	2962.6
72.5°	687.3	1141.2	1699.8	2240.2	2569.3	2720.3	2768.7	2792.3
75°	251.3	453.0	819.2	1234.5	1490.3	1725.2	1878.5	1941.1
77.5°	151.6	182.9	261.7	394.0	446.2	499.5	478.8	489.1
80°	112.3	126.8	143.6	161.3	167.1	167.1	160.7	155.5
82.5°	78.7	88.1	96.2	105.8	108.4	103.6	85.2	67.8
85°	50.7	54.9	58.4	64.5	62.9	60.0	40.3	35.8
87.5°	23.2	26.5	27.7	30.7	29.4	28.1	20.0	16.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)