

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: P193530

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193530
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: GLEON-AF-02-LED-E1-RW-8030-600
Description: GALLEON AREA AND ROADWAY 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: 6693 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' 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

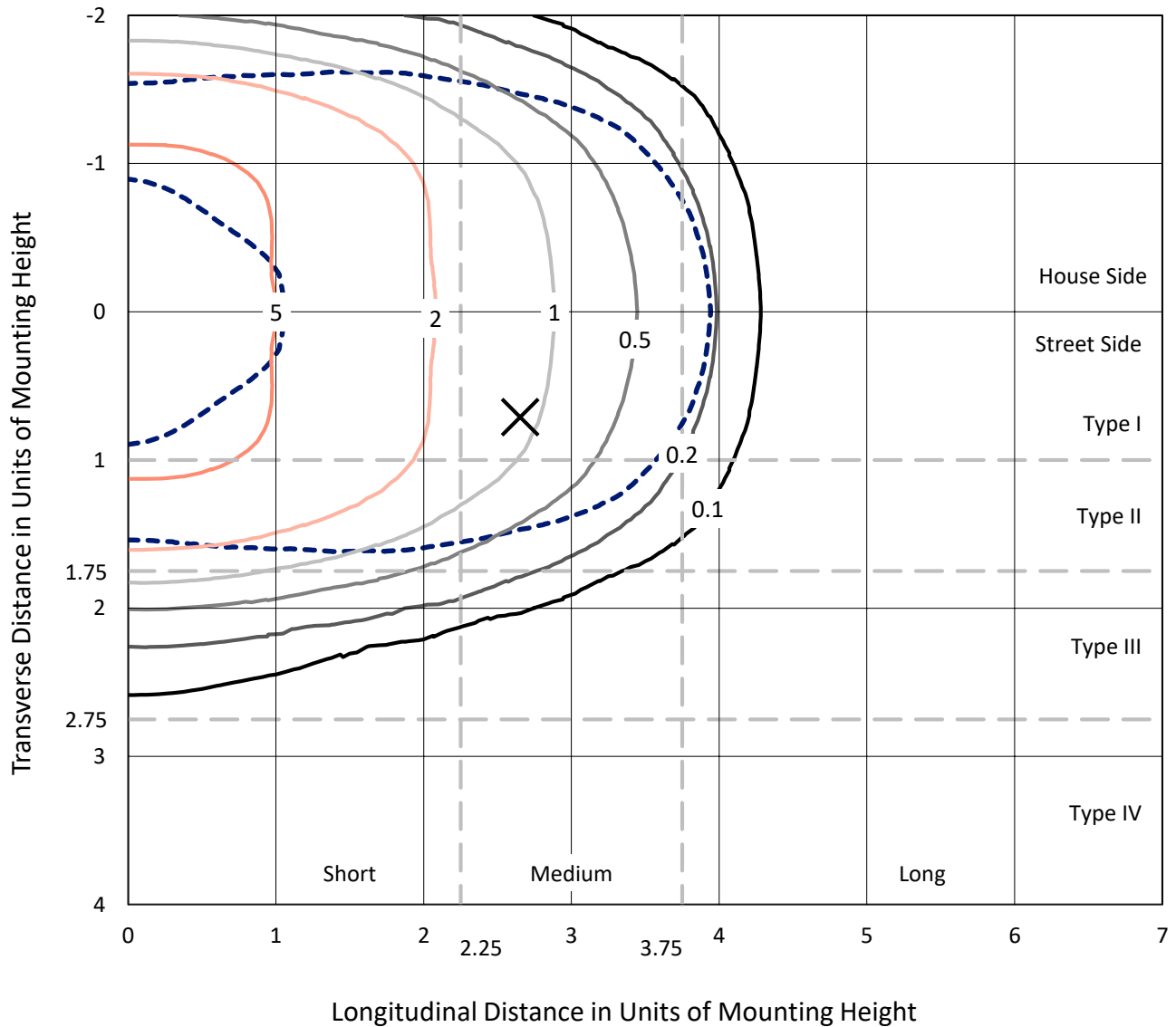


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Iso-Footcandle Lines of Horizontal Illumination

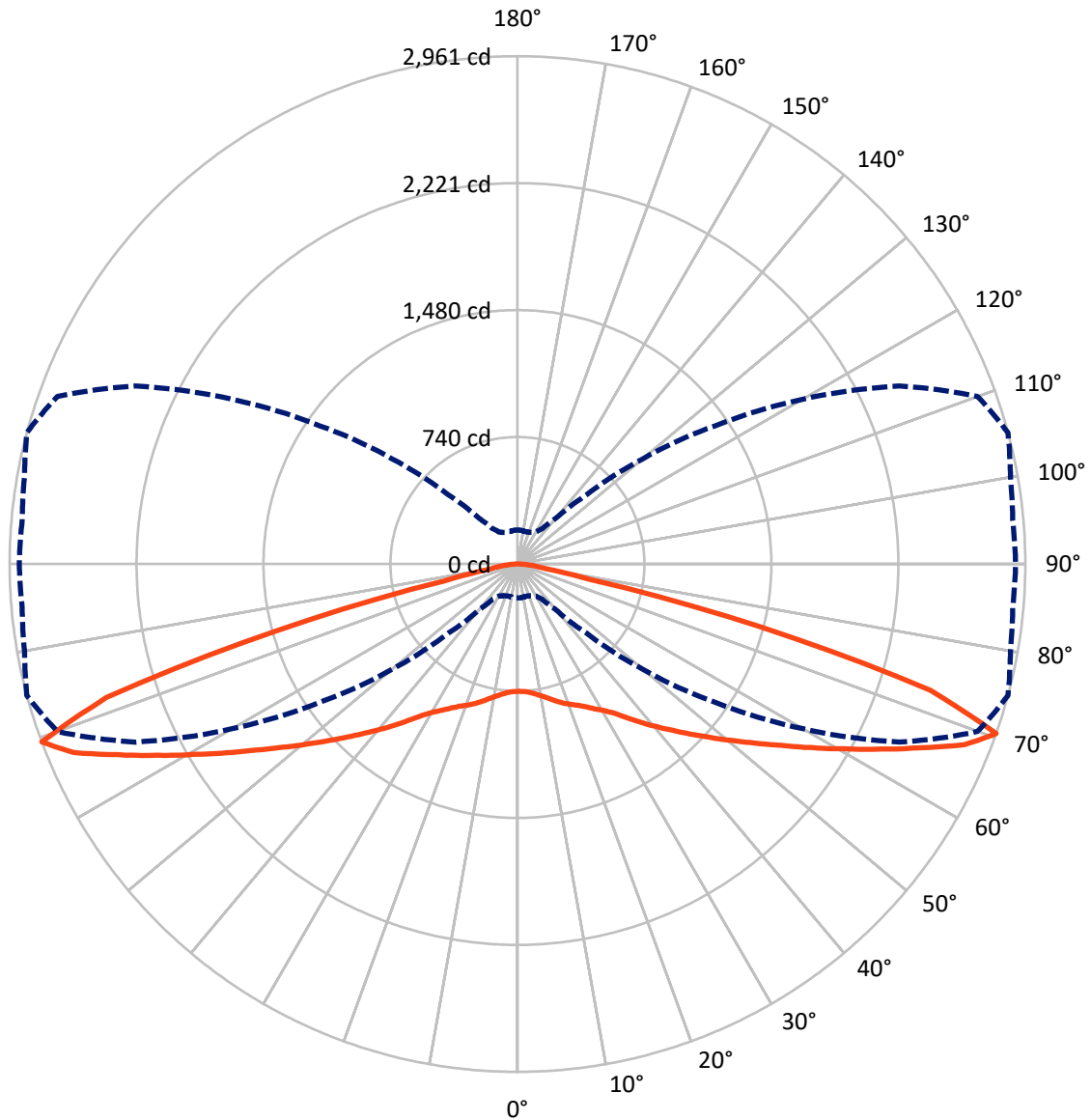
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3346.5	0.0	3346.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3346.5	0.0	3346.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6693.0	0.0	6693.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.1
10°-20°	221.2	3.3
20°-30°	416.4	6.2
30°-40°	737.4	11.0
40°-50°	1233.1	18.4
50°-60°	1718.4	25.7
60°-70°	1593.5	23.8
70°-80°	635.1	9.5
80°-90°	66.8	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°	6693.0	100.0
0°-180°	6693.0	100.0



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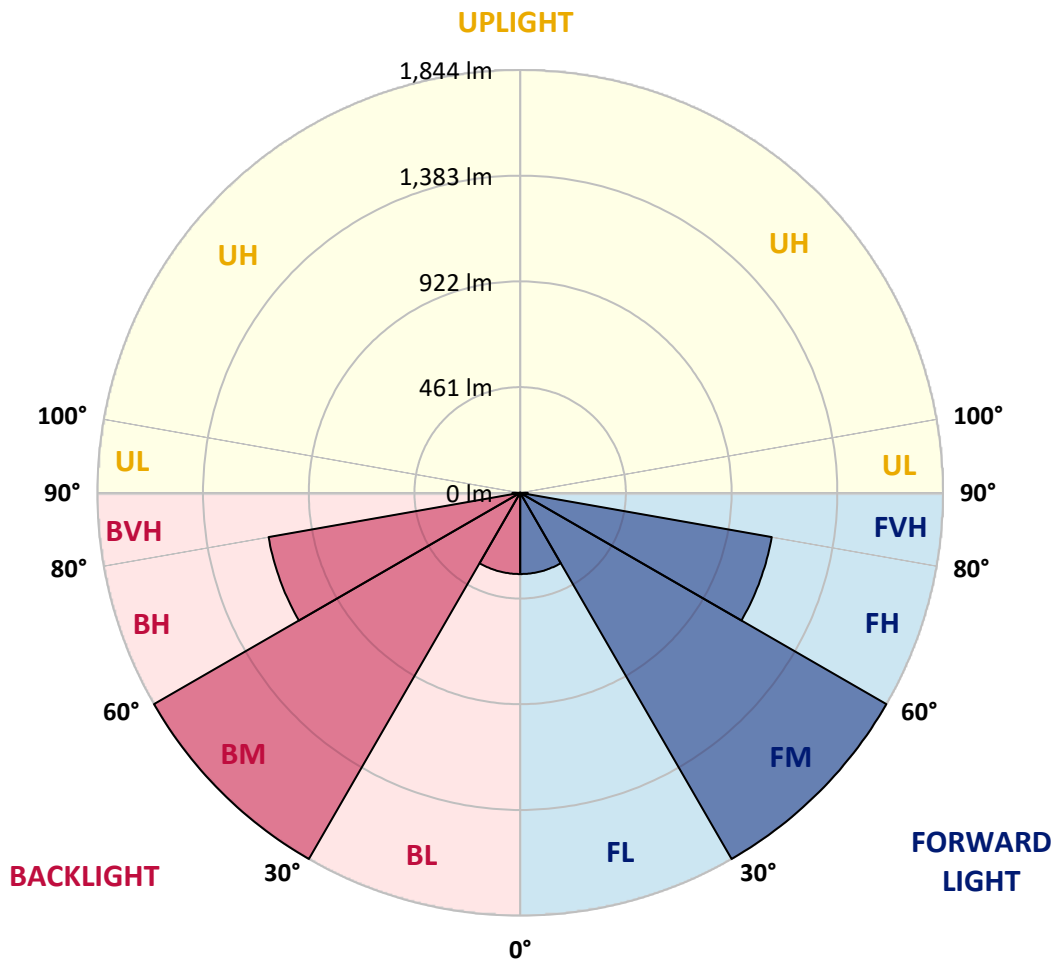
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.4	5.3			
FM	(30°-60°)	1844.4	27.6			
FH	(60°-80°)	1114.3	16.6			G1/1800
FVH	(80°-90°)	33.4	0.5			G1/100
BL	(0°-30°)	354.4	5.3	B1/500		
BM	(30°-60°)	1844.4	27.6	B2/2500		
BH	(60°-80°)	1114.3	16.6	B3/2500		G3/2500
BVH	(80°-90°)	33.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4
2.5°	741.1	740.5	741.1	740.8	741.5	741.5	742.1	743.4	743.4	744.3	744.0
5°	733.9	733.6	734.5	735.5	736.4	738.3	740.2	743.0	745.3	746.8	748.4
7.5°	719.6	719.6	720.9	723.1	725.3	729.4	733.9	739.6	745.3	750.0	754.1
10°	707.9	708.6	710.1	713.9	717.7	724.1	730.1	738.3	746.2	754.1	760.4
12.5°	701.0	701.9	704.8	710.5	716.8	725.3	734.5	744.9	753.8	763.3	769.6
15°	703.2	703.8	707.9	714.9	723.1	733.9	746.2	758.5	769.0	779.1	787.6
17.5°	715.5	716.5	721.2	729.1	737.7	750.3	763.6	777.5	790.5	801.9	812.3
20°	737.7	738.6	744.6	753.2	763.3	776.3	789.5	804.1	818.6	830.7	842.4
22.5°	769.0	770.6	776.3	784.8	796.2	810.1	825.9	841.4	855.3	866.4	876.8
25°	810.1	813.6	819.0	828.4	840.5	853.1	870.2	886.0	899.3	909.7	917.3
27.5°	868.3	873.1	877.2	886.3	898.0	910.1	927.1	941.1	953.7	963.8	969.5
30°	945.5	950.2	954.3	963.2	974.0	985.3	1001.5	1013.8	1021.7	1029.6	1029.3
32.5°	1039.1	1044.2	1045.8	1055.3	1066.3	1078.7	1093.2	1100.2	1106.5	1107.4	1101.8
35°	1143.8	1146.4	1152.7	1165.3	1178.0	1188.1	1202.0	1205.5	1205.5	1200.8	1188.1
37.5°	1258.6	1260.2	1269.1	1283.3	1296.3	1306.7	1316.2	1323.2	1319.7	1309.6	1288.4
40°	1384.5	1387.4	1400.0	1412.7	1427.2	1437.1	1447.2	1448.4	1445.0	1430.1	1401.3
42.5°	1504.7	1507.3	1519.9	1539.9	1558.8	1572.4	1581.9	1583.8	1572.8	1559.2	1523.4
45°	1608.2	1614.8	1631.3	1654.7	1682.2	1701.5	1714.5	1719.8	1710.0	1692.3	1650.9
47.5°	1690.1	1696.8	1720.2	1748.0	1782.2	1813.5	1835.0	1846.4	1843.8	1830.6	1785.3
50°	1750.2	1756.5	1781.8	1816.0	1855.9	1894.8	1931.5	1958.7	1968.2	1962.2	1920.7
52.5°	1757.2	1767.6	1797.3	1843.2	1895.1	1948.2	2000.4	2046.6	2077.9	2082.7	2052.0
55°	1660.1	1670.5	1711.6	1779.6	1856.8	1943.5	2027.0	2104.8	2166.5	2198.1	2182.0
57.5°	1431.0	1449.7	1493.0	1572.8	1686.3	1816.0	1949.2	2087.4	2213.0	2296.8	2313.0
60°	1096.7	1118.8	1162.5	1247.3	1373.8	1528.5	1706.2	1910.6	2132.3	2320.9	2433.5
62.5°	703.5	724.4	770.2	843.9	947.1	1114.7	1305.5	1548.1	1846.1	2143.7	2412.0
65°	361.6	372.9	397.0	441.6	521.9	647.2	818.3	1060.3	1401.0	1768.2	2156.1
67.5°	229.0	231.2	236.6	242.9	263.5	306.8	386.5	537.4	817.7	1200.8	1654.7
70°	198.0	198.0	195.5	194.5	197.1	203.1	215.4	250.5	345.1	570.0	954.3
72.5°	181.3	179.4	174.9	171.4	170.8	170.8	173.3	178.7	193.9	232.2	373.6
75°	167.0	161.6	155.6	151.5	149.9	148.4	148.0	149.0	152.2	158.2	178.4
77.5°	149.6	142.7	135.7	131.6	129.7	127.5	125.6	123.4	121.8	123.7	132.5
80°	128.7	120.8	115.5	112.9	111.0	107.9	103.8	100.0	96.5	95.8	101.2
82.5°	103.8	94.6	94.9	95.8	92.4	87.9	83.5	79.4	73.4	70.2	73.4
85°	83.8	79.1	76.9	82.9	77.8	71.2	64.2	56.9	47.4	39.9	43.3
87.5°	32.6	32.6	48.7	75.0	67.4	55.0	47.1	40.2	25.0	19.3	19.6
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°	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4
2.5°	743.7	744.3	744.0	743.7	743.7	743.4	743.7	743.7
5°	749.4	751.0	751.0	751.6	751.6	751.9	752.2	751.9
7.5°	757.9	760.8	762.7	764.9	765.2	765.5	766.1	765.5
10°	766.5	772.1	776.3	780.4	782.3	782.9	783.5	783.5
12.5°	777.2	785.1	792.4	799.7	803.1	805.0	805.0	806.3
15°	794.9	802.8	811.4	821.2	827.2	830.3	831.3	831.3
17.5°	819.9	826.9	834.1	843.6	851.2	855.3	856.3	856.0
20°	849.0	855.7	859.8	865.8	872.4	877.2	878.4	878.4
22.5°	882.2	886.0	886.7	888.6	893.9	900.3	903.1	903.7
25°	918.9	919.9	917.3	917.3	920.8	926.8	929.7	930.0
27.5°	966.4	961.6	955.3	953.1	955.3	962.3	965.7	967.0
30°	1025.5	1014.1	999.6	991.7	990.4	999.6	1005.9	1006.9
32.5°	1093.2	1076.8	1057.5	1041.3	1037.2	1042.9	1050.5	1050.2
35°	1173.6	1153.9	1130.5	1110.0	1100.5	1106.2	1116.9	1118.2
37.5°	1266.2	1240.6	1213.7	1187.8	1172.9	1174.5	1185.9	1189.7
40°	1369.7	1336.5	1302.6	1267.8	1246.6	1242.5	1256.4	1258.6
42.5°	1480.4	1437.7	1395.0	1352.0	1324.8	1318.4	1334.6	1333.6
45°	1598.4	1544.0	1494.0	1446.5	1414.3	1404.8	1418.1	1418.1
47.5°	1725.2	1658.2	1598.7	1544.9	1509.8	1496.2	1508.9	1509.8
50°	1859.7	1788.5	1718.6	1658.8	1616.7	1599.3	1615.8	1618.3
52.5°	1993.5	1924.2	1853.7	1785.3	1734.4	1713.2	1732.2	1740.4
55°	2129.2	2061.2	1993.8	1927.0	1866.6	1841.6	1861.9	1872.3
57.5°	2272.5	2209.5	2145.3	2077.9	2019.7	1980.8	2002.3	2016.2
60°	2440.4	2386.7	2319.9	2245.6	2186.7	2147.2	2159.5	2171.9
62.5°	2573.3	2594.2	2537.5	2451.5	2375.9	2325.3	2337.3	2350.3
65°	2509.1	2723.2	2773.5	2686.5	2581.8	2503.1	2498.0	2504.6
67.5°	2097.2	2513.2	2816.5	2899.4	2811.8	2702.3	2682.1	2691.9
70°	1402.9	1921.0	2456.2	2854.8	2960.8	2918.4	2898.5	2904.5
72.5°	673.8	1118.8	1666.4	2196.2	2518.9	2666.9	2714.4	2737.5
75°	246.4	444.1	803.1	1210.3	1461.1	1691.4	1841.6	1903.0
77.5°	148.7	179.4	256.5	386.2	437.5	489.7	469.4	479.5
80°	110.1	124.3	140.8	158.2	163.9	163.9	157.5	152.5
82.5°	77.2	86.4	94.3	103.8	106.3	101.5	83.5	66.4
85°	49.7	53.8	57.3	63.3	61.7	58.8	39.5	35.1
87.5°	22.8	25.9	27.2	30.1	28.8	27.5	19.6	16.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)