

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: P192729

Luminaire Tested: **GLEON-AF-01-LED-E1-RW-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192729
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-01-LED-E1-RW-7030-600
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4059 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 34
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



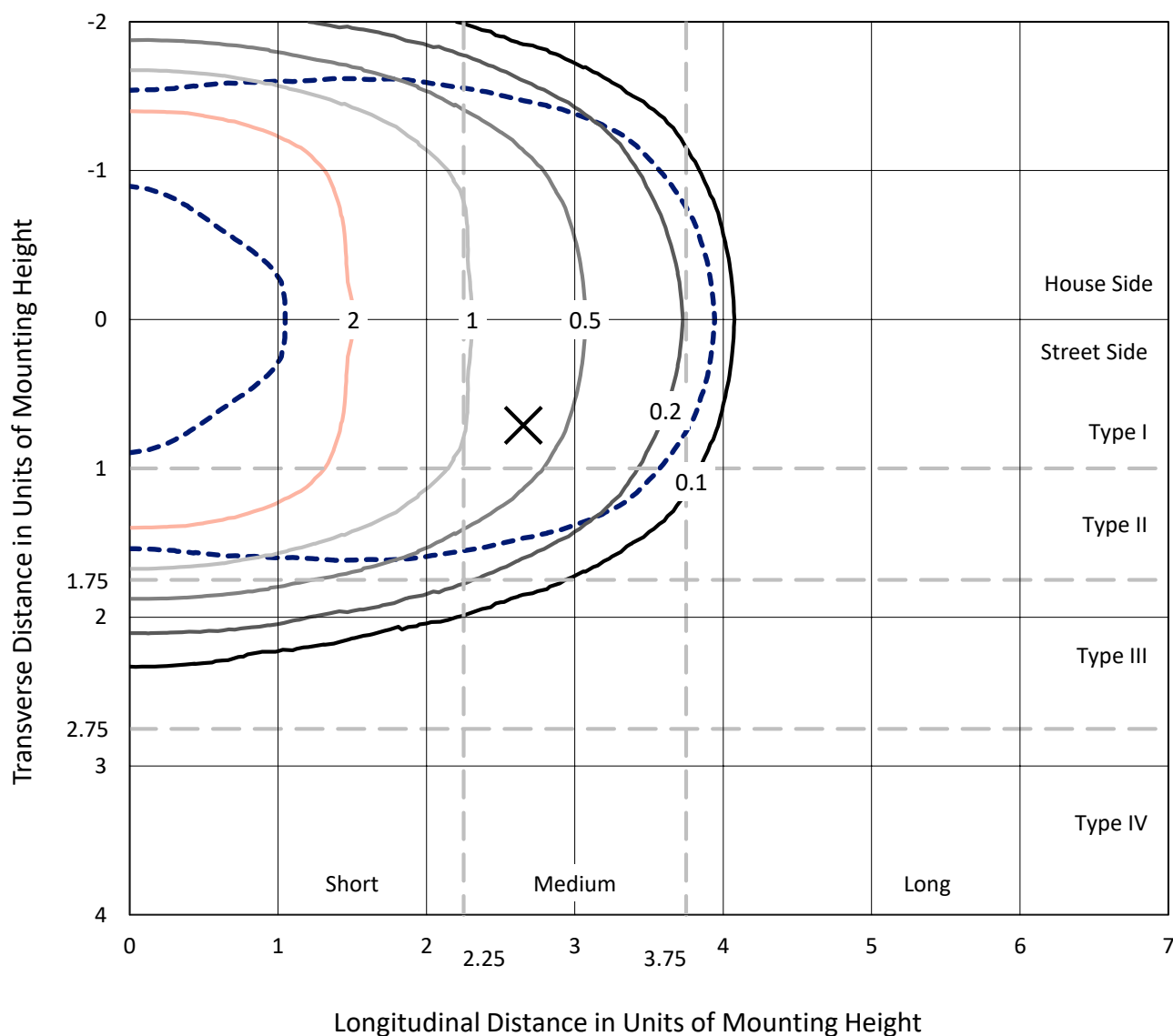
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

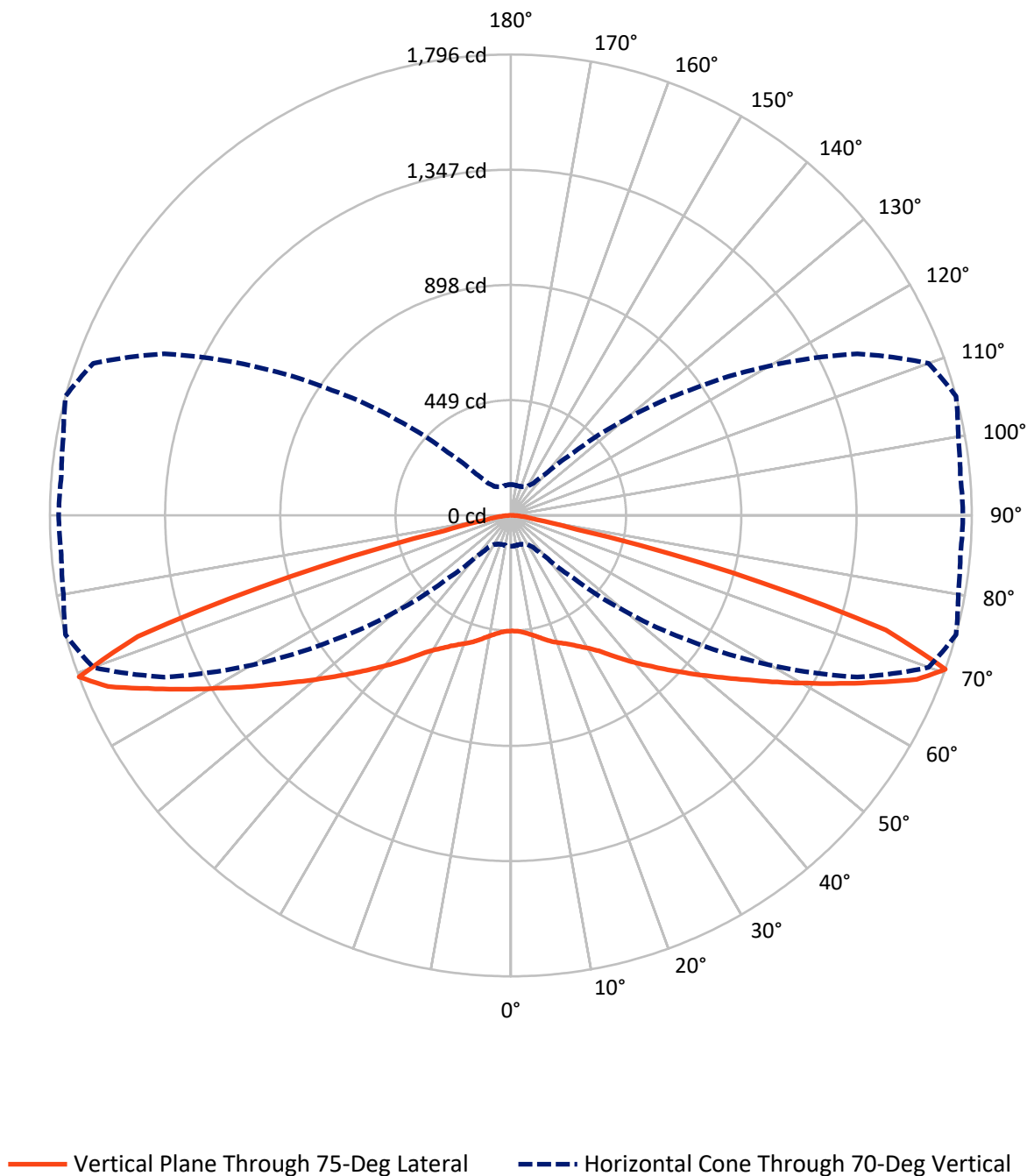


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2029.5	0.0	2029.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2029.5	0.0	2029.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4059.0	0.0	4059.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	1.1
10°-20°	134.2	3.3
20°-30°	252.5	6.2
30°-40°	447.2	11.0
40°-50°	747.8	18.4
50°-60°	1042.1	25.7
60°-70°	966.4	23.8
70°-80°	385.1	9.5
80°-90°	40.5	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°	4059.0	100.0
0°-180°	4059.0	100.0

Coefficient of Utilization



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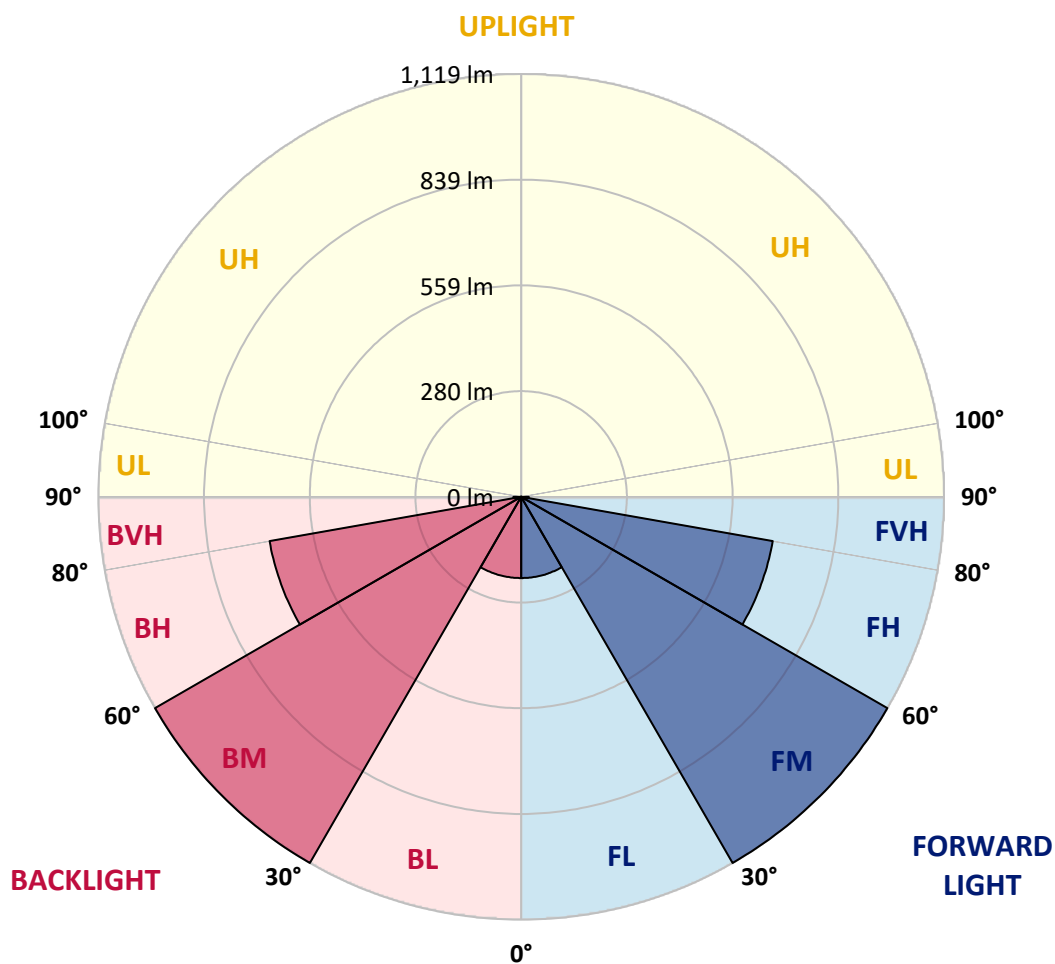
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	214.9	5.3			
FM	(30°-60°)	1118.6	27.6			
FH	(60°-80°)	675.8	16.6			G1/1800
FVH	(80°-90°)	20.2	0.5			G1/100
BL	(0°-30°)	214.9	5.3	B1/500		
BM	(30°-60°)	1118.6	27.6	B2/2500		
BH	(60°-80°)	675.8	16.6	B2/1000		G2/1000
BVH	(80°-90°)	20.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2
2.5°	449.5	449.0	449.5	449.3	449.7	449.7	450.0	450.8	450.8	451.4	451.2
5°	445.0	444.9	445.4	446.0	446.6	447.8	448.9	450.5	452.0	452.9	453.9
7.5°	436.4	436.4	437.1	438.5	439.9	442.4	445.0	448.5	452.0	454.8	457.4
10°	429.3	429.7	430.7	433.0	435.3	439.1	442.7	447.8	452.6	457.4	461.2
12.5°	425.1	425.7	427.4	430.8	434.8	439.9	445.4	451.8	457.1	462.9	466.7
15°	426.4	426.8	429.3	433.5	438.5	445.0	452.6	460.0	466.3	472.4	477.7
17.5°	434.0	434.6	437.4	442.2	447.3	455.1	463.0	471.6	479.4	486.3	492.6
20°	447.3	448.0	451.6	456.7	462.9	470.8	478.8	487.7	496.5	503.8	510.9
22.5°	466.3	467.3	470.8	476.0	482.8	491.3	500.9	510.2	518.8	525.4	531.8
25°	491.3	493.5	496.7	502.4	509.7	517.4	527.7	537.3	545.4	551.8	556.3
27.5°	526.6	529.5	532.0	537.5	544.6	551.9	562.2	570.7	578.4	584.5	588.0
30°	573.4	576.3	578.7	584.1	590.6	597.5	607.4	614.8	619.6	624.4	624.2
32.5°	630.2	633.2	634.2	639.9	646.7	654.1	662.9	667.2	671.1	671.6	668.1
35°	693.7	695.2	699.0	706.7	714.4	720.6	729.0	731.1	731.1	728.2	720.6
37.5°	763.2	764.3	769.6	778.3	786.1	792.4	798.2	802.4	800.4	794.2	781.3
40°	839.6	841.4	849.1	856.7	865.6	871.5	877.7	878.5	876.3	867.3	849.8
42.5°	912.6	914.1	921.7	933.8	945.3	953.7	959.4	960.5	953.9	945.5	923.9
45°	975.2	979.3	989.4	1003.4	1020.2	1031.9	1039.7	1043.0	1037.1	1026.3	1001.2
47.5°	1025.0	1029.0	1043.2	1060.1	1080.8	1099.8	1112.8	1119.7	1118.2	1110.2	1082.8
50°	1061.5	1065.3	1080.6	1101.4	1125.5	1149.1	1171.4	1187.8	1193.5	1190.0	1164.8
52.5°	1065.6	1072.0	1090.0	1117.8	1149.3	1181.5	1213.3	1241.1	1260.2	1263.0	1244.5
55°	1006.8	1013.1	1038.0	1079.3	1126.0	1178.6	1229.2	1276.4	1313.9	1333.1	1323.2
57.5°	867.8	879.2	905.4	953.9	1022.6	1101.4	1182.0	1265.9	1342.0	1392.9	1402.7
60°	665.1	678.5	704.9	756.4	833.1	926.9	1034.8	1158.7	1293.2	1407.5	1475.8
62.5°	426.6	439.3	467.1	511.8	574.3	676.0	791.7	938.9	1119.6	1300.0	1462.8
65°	219.3	226.1	240.7	267.8	316.6	392.5	496.2	643.0	849.6	1072.4	1307.5
67.5°	138.9	140.2	143.4	147.3	159.8	186.1	234.5	325.9	495.9	728.2	1003.4
70°	120.0	120.0	118.5	118.0	119.5	123.1	130.7	152.0	209.3	345.7	578.7
72.5°	110.0	108.8	106.1	104.1	103.6	103.6	105.1	108.3	117.6	140.8	226.6
75°	101.3	98.0	94.4	91.9	90.9	89.9	89.8	90.3	92.4	95.9	108.1
77.5°	90.6	86.6	82.3	79.8	78.6	77.3	76.2	74.9	73.9	75.1	80.5
80°	78.1	73.3	70.0	68.5	67.3	65.4	63.0	60.6	58.6	58.1	61.4
82.5°	63.0	57.4	57.6	58.1	56.0	53.3	50.7	48.2	44.5	42.6	44.5
85°	50.8	48.0	46.7	50.3	47.2	43.1	38.9	34.5	28.7	24.1	26.3
87.5°	19.7	19.7	29.5	45.5	40.9	33.5	28.6	24.4	15.2	11.7	11.9
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°	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2
2.5°	451.0	451.4	451.2	451.0	451.0	450.8	451.0	451.0
5°	454.4	455.4	455.4	455.8	455.8	455.9	456.1	455.9
7.5°	459.7	461.4	462.5	463.8	464.1	464.3	464.6	464.3
10°	464.8	468.2	470.8	473.2	474.4	474.8	475.2	475.2
12.5°	471.4	476.2	480.5	485.0	487.1	488.2	488.2	488.9
15°	482.1	486.9	492.1	498.0	501.6	503.5	504.1	504.1
17.5°	497.2	501.5	505.9	511.7	516.2	518.8	519.3	519.1
20°	514.8	518.9	521.3	525.1	529.1	532.0	532.7	532.7
22.5°	535.1	537.3	537.7	538.8	542.2	546.0	547.7	548.1
25°	557.3	557.9	556.3	556.3	558.5	562.0	563.8	564.0
27.5°	586.0	583.2	579.3	578.0	579.3	583.6	585.6	586.4
30°	621.9	615.0	606.2	601.4	600.6	606.2	610.0	610.6
32.5°	662.9	653.1	641.4	631.5	629.0	632.5	637.1	636.9
35°	711.8	699.8	685.6	673.1	667.3	670.9	677.4	678.2
37.5°	767.9	752.4	736.1	720.3	711.3	712.3	719.2	721.4
40°	830.6	810.4	790.0	768.8	756.1	753.6	762.0	763.2
42.5°	897.8	871.9	846.0	819.9	803.4	799.6	809.4	808.7
45°	969.3	936.4	906.1	877.3	857.6	851.9	860.0	860.0
47.5°	1046.2	1005.6	969.5	936.9	915.6	907.4	915.0	915.6
50°	1127.8	1084.6	1042.3	1006.0	980.5	969.9	979.8	981.4
52.5°	1209.0	1166.9	1124.2	1082.8	1051.8	1038.9	1050.5	1055.5
55°	1291.2	1250.0	1209.2	1168.6	1132.0	1116.8	1129.0	1135.4
57.5°	1378.1	1339.9	1301.1	1260.2	1224.9	1201.3	1214.3	1222.7
60°	1480.0	1447.3	1406.9	1361.8	1326.2	1302.2	1309.7	1317.1
62.5°	1560.5	1573.3	1538.9	1486.7	1440.9	1410.2	1417.4	1425.3
65°	1521.7	1651.5	1682.0	1629.3	1565.8	1517.9	1514.9	1518.9
67.5°	1271.9	1524.1	1708.0	1758.3	1705.2	1638.9	1626.6	1632.6
70°	850.8	1165.0	1489.6	1731.3	1795.5	1769.9	1757.8	1761.5
72.5°	408.6	678.5	1010.5	1331.9	1527.6	1617.4	1646.1	1660.0
75°	149.4	269.4	487.1	734.0	886.1	1025.7	1116.8	1154.1
77.5°	90.1	108.8	155.5	234.3	265.3	296.9	284.7	290.8
80°	66.7	75.4	85.3	95.9	99.3	99.3	95.5	92.5
82.5°	46.8	52.3	57.2	63.0	64.5	61.6	50.7	40.3
85°	30.1	32.6	34.8	38.4	37.3	35.7	23.9	21.3
87.5°	13.7	15.8	16.5	18.2	17.5	16.7	11.9	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)