

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: P200669

Luminaire Tested: **GPC-AF-01-LED-E1-T3-8030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24140)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-01-LED-E1-T3-8030-800
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4193 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

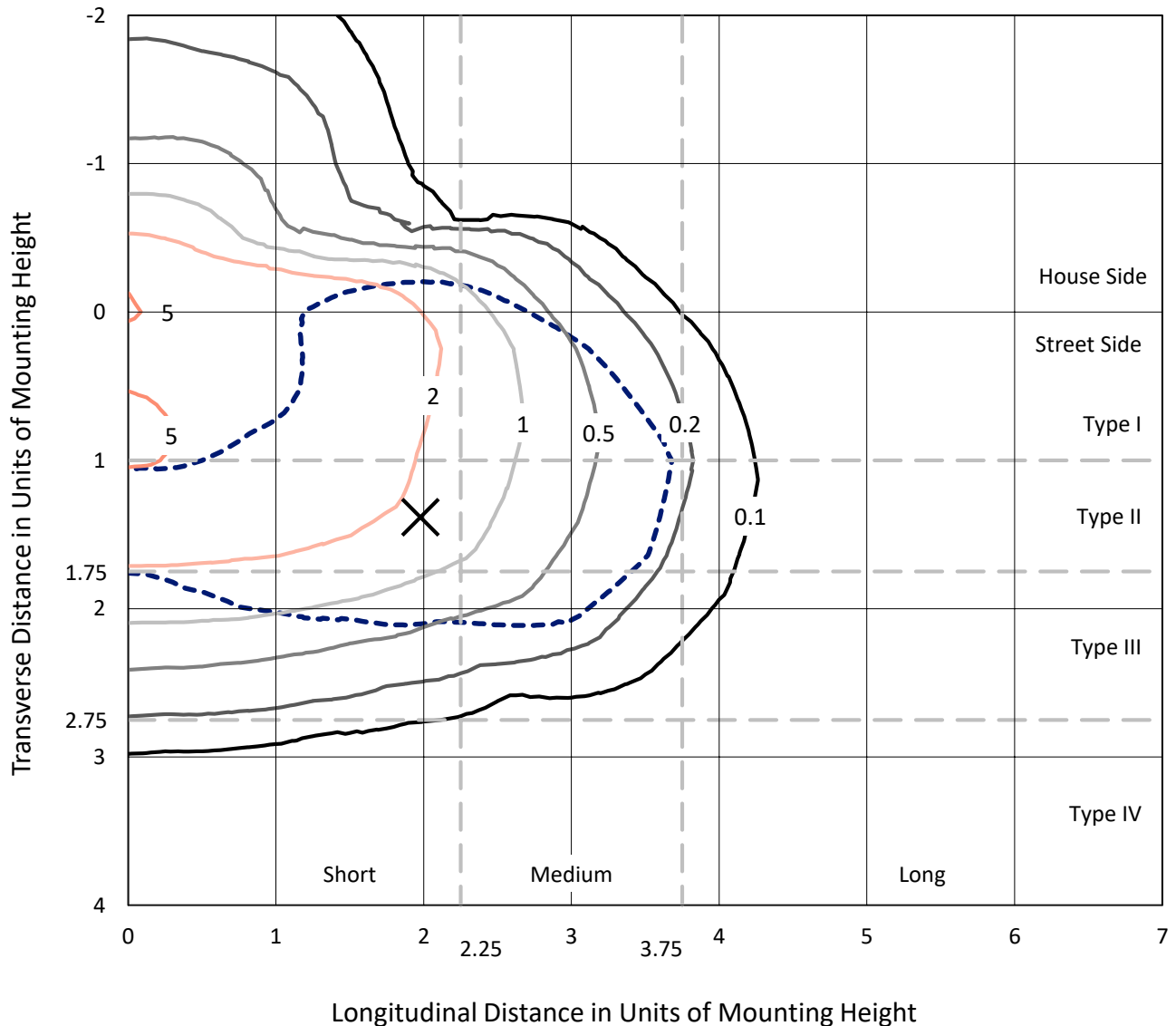
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

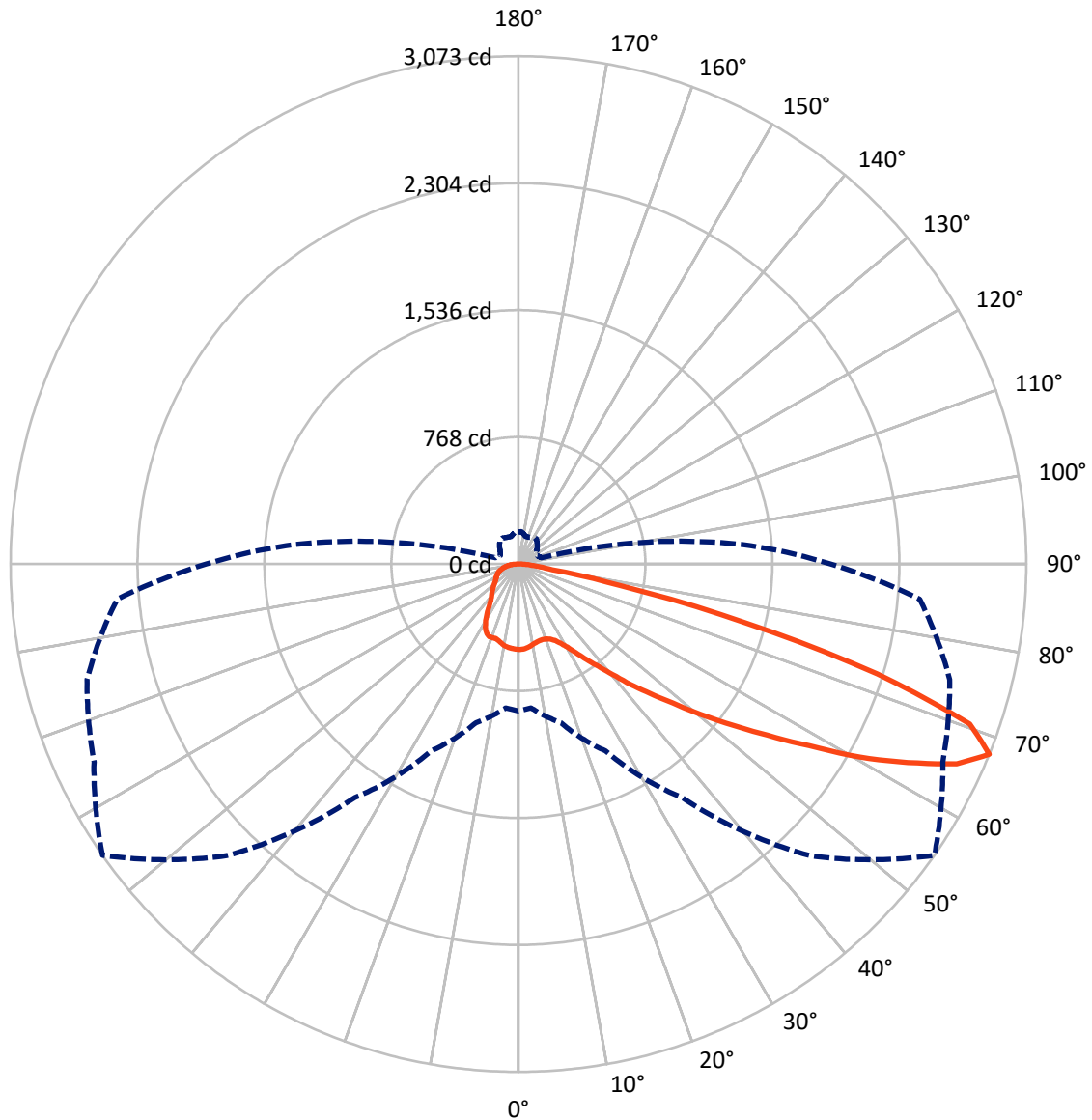
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	905.8	0.0	905.8
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	3287.2	0.0	3287.2
	% Fixture	78.4	0.0	78.4
Total	Lumens	4193.0	0.0	4193.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	1.2
10°-20°	136.7	3.3
20°-30°	229.0	5.5
30°-40°	376.5	9.0
40°-50°	633.8	15.1
50°-60°	997.5	23.8
60°-70°	1190.4	28.4
70°-80°	511.2	12.2
80°-90°	69.7	1.7
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°	4193.0	100.0
0°-180°	4193.0	100.0



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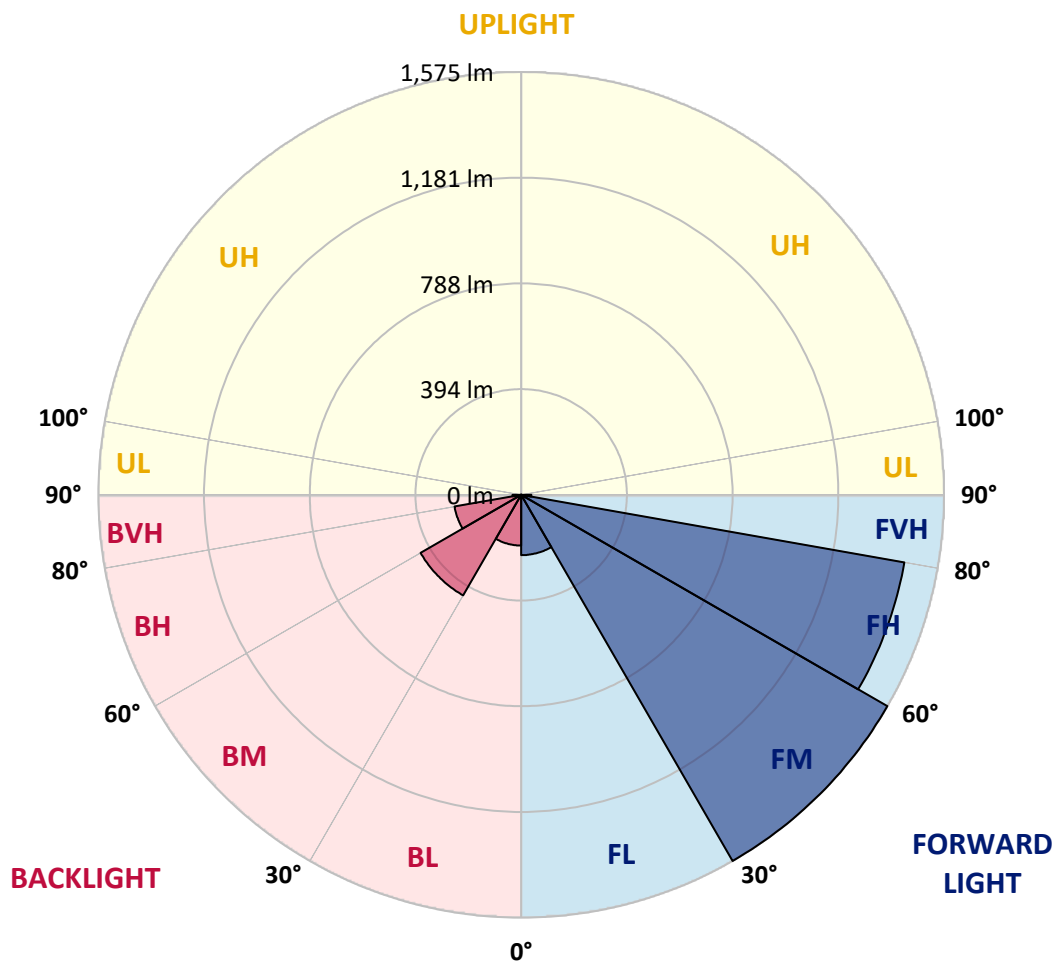
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.8	5.4			
FM (30°-60°)	1575.2	37.6			
FH (60°-80°)	1449.5	34.6			G1/1800
FVH (80°-90°)	37.7	0.9			G1/100
BL (0°-30°)	189.1	4.5	B1/500		
BM (30°-60°)	432.6	10.3	B1/1000		
BH (60°-80°)	252.1	6.0	B1/500		G1/500
BVH (80°-90°)	32.0	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0
2.5°	512.6	512.8	513.2	514.8	516.2	515.8	516.0	515.2	515.0	513.8	515.0
5°	506.1	506.7	506.9	509.5	511.2	511.6	511.0	510.0	508.7	507.5	508.1
7.5°	491.3	492.9	493.1	496.8	499.4	502.9	503.1	503.3	502.7	501.9	503.1
10°	482.0	482.4	482.2	484.8	486.9	490.7	492.9	496.8	498.4	498.8	499.6
12.5°	481.4	481.0	480.4	480.4	479.8	481.4	485.4	490.9	494.8	496.0	497.0
15°	487.9	487.7	485.7	482.6	478.8	477.6	481.0	487.1	492.1	494.8	495.8
17.5°	502.5	501.2	498.0	491.1	482.8	479.6	480.0	485.0	490.9	494.4	495.4
20°	529.2	529.2	522.3	509.3	494.6	486.9	483.2	486.3	491.9	496.6	498.0
22.5°	575.4	575.8	564.2	543.0	518.1	501.7	492.5	491.9	498.6	503.9	505.5
25°	640.8	639.2	623.0	592.6	554.7	527.6	511.8	508.1	513.8	519.7	521.7
27.5°	716.9	711.1	691.8	655.2	606.2	566.5	542.2	536.3	541.8	548.4	550.5
30°	792.3	786.2	763.3	723.2	668.7	618.5	583.7	574.2	581.9	591.4	592.6
32.5°	867.6	867.6	842.1	795.3	736.0	680.7	639.0	627.6	640.4	651.9	654.6
35°	957.7	958.1	933.4	877.1	813.3	754.8	708.8	700.5	719.8	727.9	734.1
37.5°	1068.5	1070.7	1038.9	970.9	901.0	839.5	784.8	773.4	792.7	814.8	835.0
40°	1188.2	1191.0	1156.0	1072.2	1002.3	937.9	878.7	858.3	890.3	932.4	958.5
42.5°	1302.4	1317.0	1283.2	1196.9	1121.8	1055.1	995.2	965.4	1005.5	1069.1	1091.8
45°	1467.5	1478.0	1419.1	1340.9	1270.2	1195.7	1116.3	1084.9	1141.0	1221.2	1225.9
47.5°	1577.5	1569.6	1539.6	1491.0	1446.2	1376.6	1257.1	1222.6	1297.2	1391.5	1365.4
50°	1636.0	1638.4	1634.4	1637.2	1638.8	1595.1	1429.6	1382.4	1471.3	1585.4	1525.2
52.5°	1690.7	1674.5	1687.8	1754.3	1834.5	1818.3	1617.4	1568.1	1658.1	1800.4	1694.1
55°	1689.5	1664.7	1708.3	1825.5	1999.5	2018.1	1828.2	1771.5	1855.5	2031.1	1873.1
57.5°	1629.7	1630.9	1698.0	1851.5	2114.5	2206.1	2072.8	1987.8	2064.9	2264.8	2036.6
60°	1547.5	1558.6	1655.2	1847.2	2206.7	2360.2	2373.0	2220.9	2270.1	2477.3	2171.9
62.5°	1414.8	1426.6	1559.8	1803.1	2192.7	2508.7	2644.4	2485.4	2484.6	2606.1	2211.6
65°	1205.6	1202.2	1342.1	1638.0	2075.5	2618.4	2913.9	2714.0	2646.2	2608.1	2131.8
67.5°	889.1	873.7	993.8	1247.5	1725.1	2495.5	3072.5	2833.1	2701.3	2436.6	1887.9
70°	461.3	446.0	543.2	728.5	1134.5	1947.7	2896.9	2771.5	2579.5	2042.5	1479.0
72.5°	197.3	194.6	234.1	319.6	548.8	1123.4	2271.5	2398.9	2213.4	1521.8	1016.9
75°	132.7	131.8	146.6	174.2	246.9	455.9	1421.5	1702.8	1619.4	943.6	571.9
77.5°	104.1	103.1	111.8	125.2	160.0	179.8	630.9	914.2	846.1	410.7	250.3
80°	81.4	80.6	86.1	93.4	115.0	113.4	207.6	363.7	281.5	157.4	121.7
82.5°	64.2	64.2	68.7	68.9	81.6	77.4	108.4	160.2	140.6	91.7	74.5
85°	58.7	58.7	63.4	51.4	53.3	48.8	67.2	95.0	89.1	37.7	32.4
87.5°	29.6	28.8	53.3	45.6	29.0	25.9	32.8	46.0	49.4	20.9	16.2
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0
2.5°	514.6	514.4	514.8	515.0	516.6	518.9	519.9	521.3	522.1	521.7
5°	508.5	508.9	510.6	511.8	514.6	518.3	520.3	521.9	523.3	522.7
7.5°	503.5	504.5	506.9	507.9	509.5	510.6	510.4	511.0	512.2	510.8
10°	500.6	501.9	503.7	502.3	498.4	492.9	487.9	485.2	486.1	485.0
12.5°	497.8	499.4	498.0	491.3	480.6	473.5	469.7	470.1	471.9	472.3
15°	496.2	496.8	490.7	478.2	467.2	466.2	468.2	467.8	468.0	468.0
17.5°	496.2	494.6	483.2	470.7	466.0	464.2	457.9	450.0	446.6	445.3
20°	498.8	494.6	480.8	472.5	462.4	446.8	430.2	415.6	409.1	407.3
22.5°	506.7	499.4	487.7	473.3	444.5	418.4	392.1	374.7	362.9	360.9
25°	522.7	514.6	501.2	462.6	416.2	378.9	348.9	329.5	317.8	316.1
27.5°	550.7	545.4	508.5	438.9	378.5	338.6	310.9	295.9	287.2	286.6
30°	592.8	590.2	504.9	403.8	332.1	299.5	286.2	277.5	271.0	270.8
32.5°	660.0	638.8	492.9	361.1	289.8	271.8	266.3	261.1	256.0	256.0
35°	746.5	678.0	470.3	315.3	264.1	256.4	249.5	241.2	234.5	234.1
37.5°	848.2	702.4	429.6	278.5	251.9	246.1	235.9	223.6	211.8	209.8
40°	950.8	709.6	372.2	255.8	244.2	235.7	223.4	208.8	197.5	196.9
42.5°	1045.0	695.7	311.5	240.2	236.5	225.2	212.2	199.3	190.4	190.2
45°	1124.0	659.4	260.4	225.4	228.4	215.7	204.1	193.6	186.7	185.3
47.5°	1198.3	608.2	224.6	209.8	220.3	210.4	200.7	190.8	184.1	183.1
50°	1284.6	552.9	199.5	194.6	213.3	208.6	203.5	193.2	182.1	180.9
52.5°	1389.1	505.1	179.8	181.3	207.8	211.0	210.8	200.1	180.7	179.0
55°	1505.8	452.0	165.1	170.3	205.6	215.5	212.6	206.6	181.9	179.4
57.5°	1620.6	390.1	154.7	162.0	202.3	215.1	203.9	195.2	184.7	181.3
60°	1706.7	306.8	146.8	154.7	195.2	208.4	194.4	182.9	184.1	181.5
62.5°	1712.3	237.2	137.3	148.4	184.5	201.7	188.1	177.4	186.7	184.3
65°	1611.7	179.2	128.2	141.0	173.0	197.5	182.1	174.4	192.2	189.6
67.5°	1356.9	144.2	120.5	133.3	161.4	188.5	176.6	171.5	197.1	192.4
70°	979.6	122.9	113.0	123.9	151.1	178.4	171.7	166.5	183.9	176.6
72.5°	603.1	106.5	104.5	111.6	143.2	167.9	164.4	157.0	165.7	159.8
75°	301.2	92.4	95.0	99.4	132.0	155.9	152.3	144.8	146.0	144.8
77.5°	144.2	79.0	83.8	87.3	117.7	142.4	138.5	130.8	129.4	129.6
80°	91.3	66.0	70.7	73.1	105.1	126.6	122.7	115.0	131.2	121.7
82.5°	57.1	53.7	54.9	59.3	91.5	110.2	105.1	98.2	118.3	93.6
85°	31.6	37.5	39.1	42.9	70.5	92.1	87.1	78.4	70.3	69.1
87.5°	18.8	22.3	22.9	25.7	47.4	66.6	58.9	55.9	46.4	46.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)