

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: P200560

Luminaire Tested: **GPC-AF-02-LED-E1-5WQ-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200560  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24143)  
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-E1-5WQ-8030  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10677 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B4 - U0 - G2

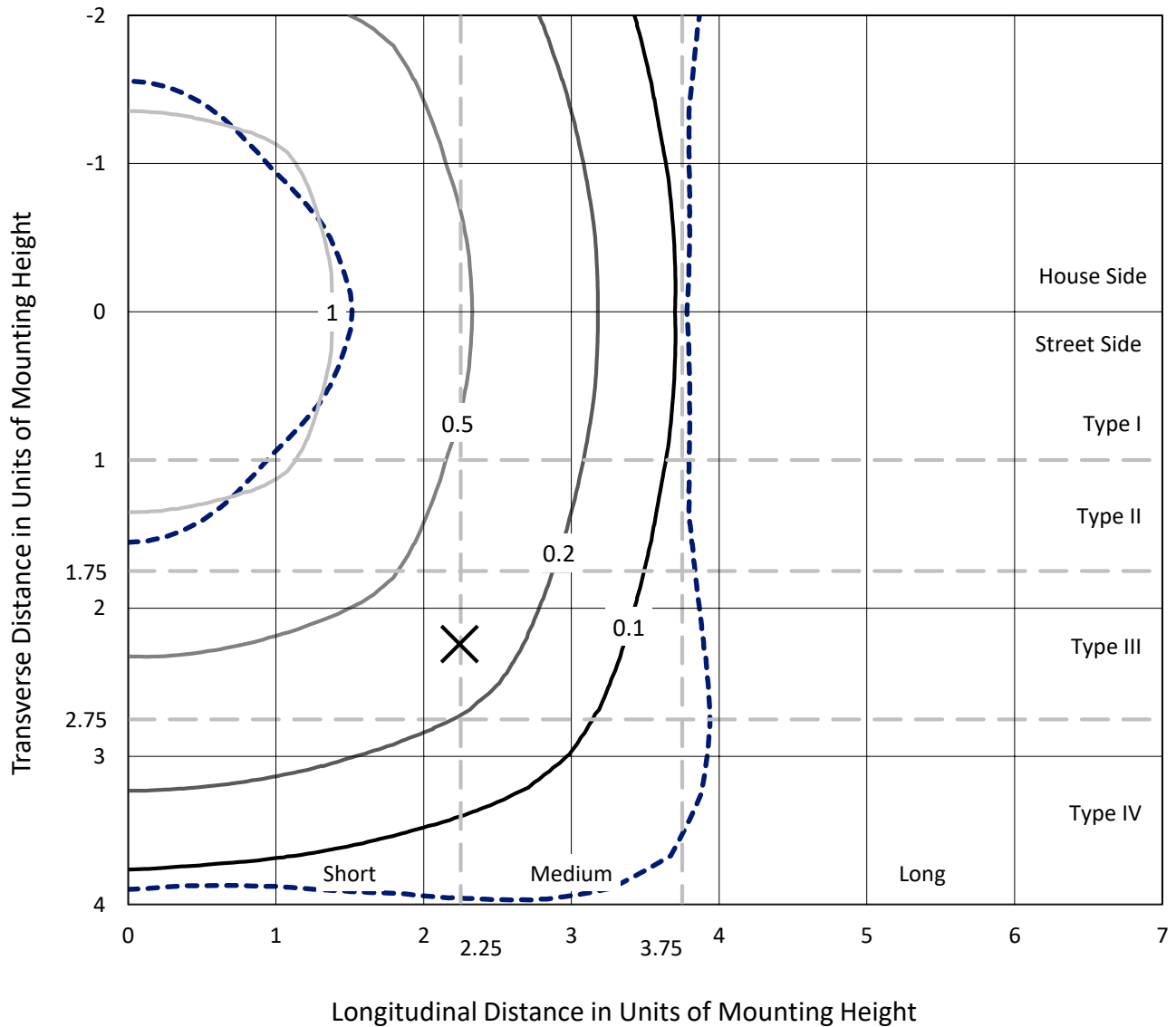
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

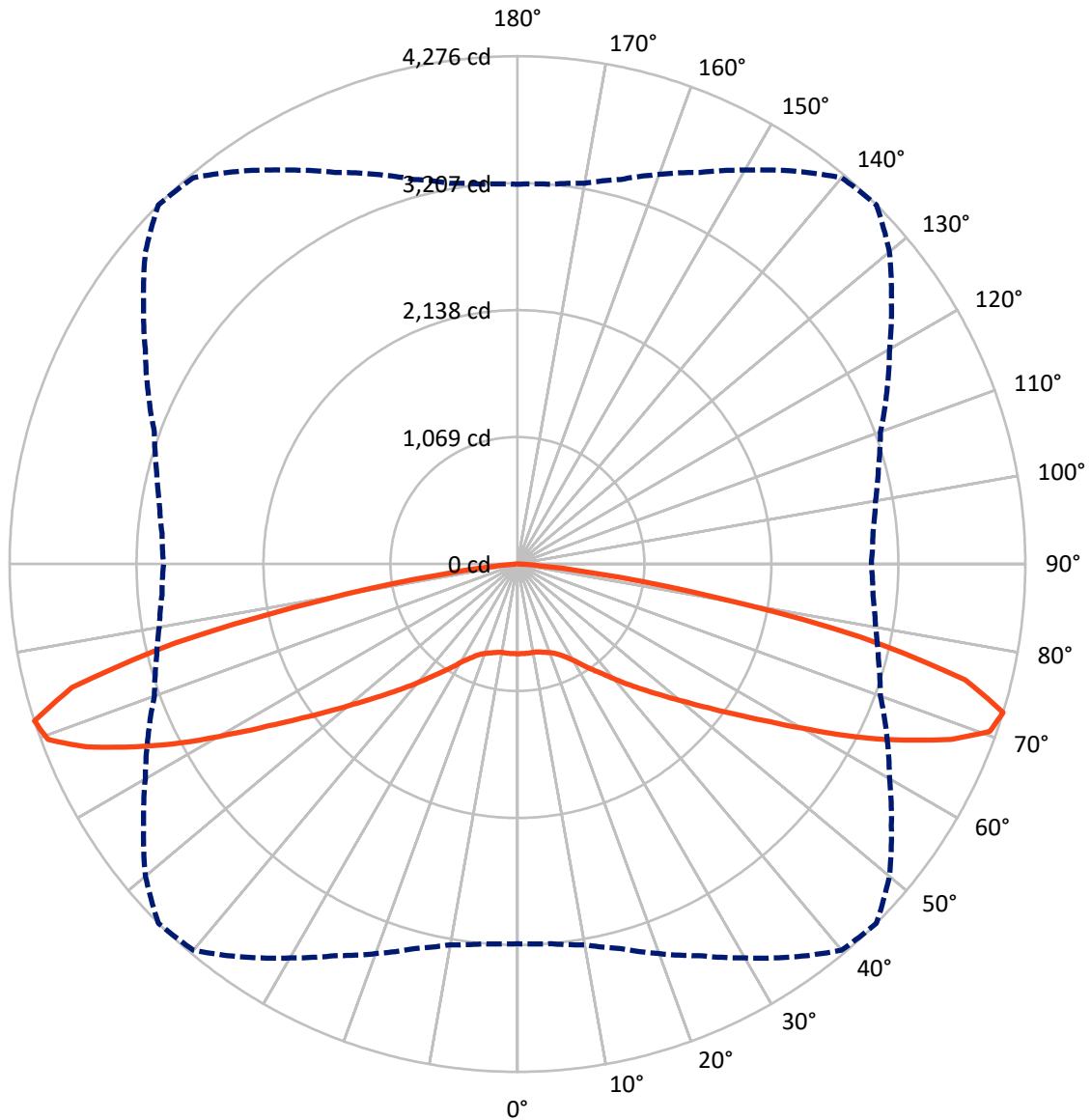
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.9 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5338.5	0.0	5338.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5338.5	0.0	5338.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10677.0	0.0	10677.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.2	0.7
10°-20°	219.3	2.1
20°-30°	400.7	3.8
30°-40°	690.9	6.5
40°-50°	1181.1	11.1
50°-60°	1914.4	17.9
60°-70°	3175.8	29.7
70°-80°	2797.2	26.2
80°-90°	225.5	2.1
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°	10677.0	100.0
0°-180°	10677.0	100.0



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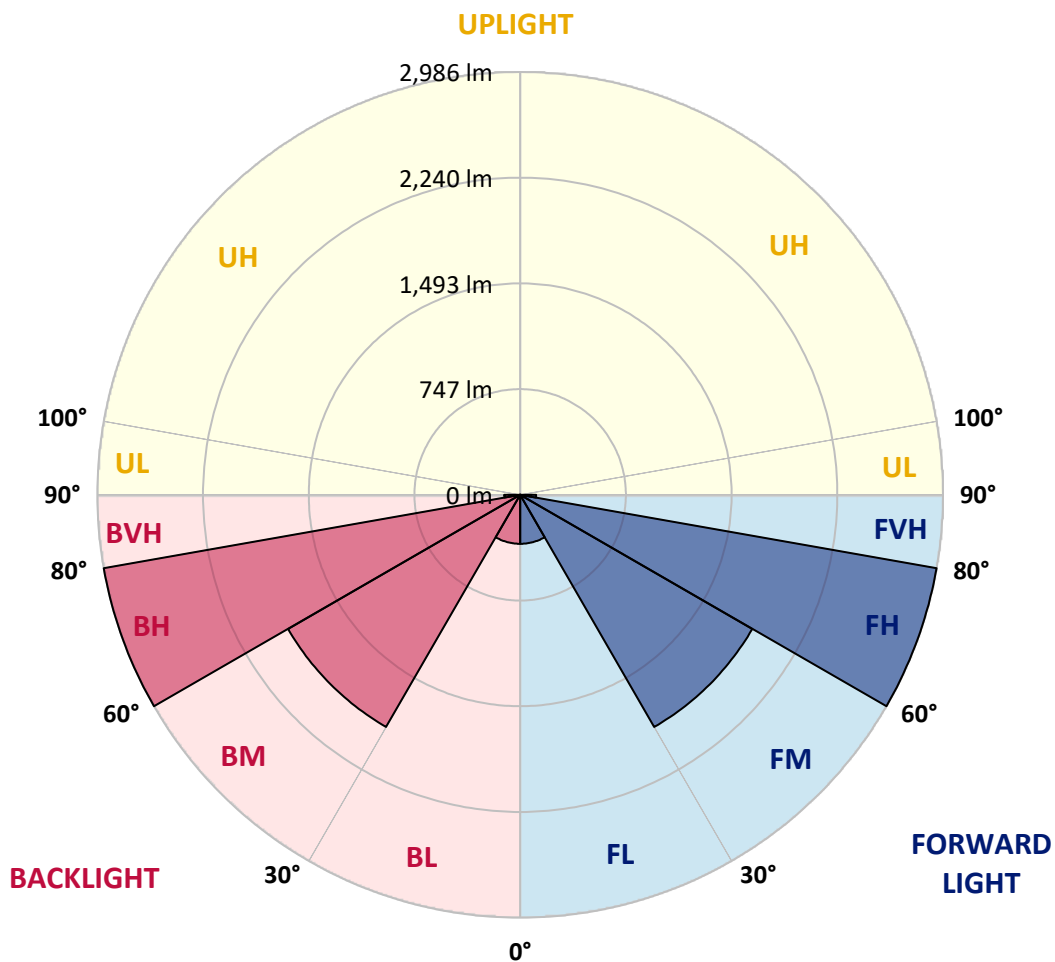
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.1	3.2			
FM	(30°-60°)	1893.2	17.7			
FH	(60°-80°)	2986.5	28.0			G2/5000
FVH	(80°-90°)	112.8	1.1			G2/225
BL	(0°-30°)	346.1	3.2	B1/500		
BM	(30°-60°)	1893.2	17.7	B2/2500		
BH	(60°-80°)	2986.5	28.0	B4/5000		G2/5000
BVH	(80°-90°)	112.8	1.1			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	756.1	756.1	756.1	756.1	756.1	756.1	756.1	756.1	756.1	756.1	756.1
2.5°	756.1	756.6	757.1	756.6	756.6	756.1	755.6	756.1	755.6	754.6	755.1
5°	758.5	759.5	759.5	758.5	759.0	758.5	757.6	758.1	757.1	755.6	755.6
7.5°	761.5	762.0	762.0	761.0	761.5	760.5	759.5	759.0	758.1	756.1	754.6
10°	765.9	766.4	765.9	764.9	764.9	763.4	761.0	760.0	758.1	755.1	753.6
12.5°	770.8	771.3	770.8	769.8	769.3	766.9	764.9	763.4	762.0	759.5	757.1
15°	777.6	778.6	777.6	775.7	774.2	772.3	771.3	771.8	772.3	770.3	767.9
17.5°	790.4	790.9	789.4	785.0	783.0	781.1	781.1	782.1	783.5	782.5	780.1
20°	813.9	812.4	809.0	803.6	801.1	797.7	797.2	797.7	797.7	797.2	795.3
22.5°	843.3	842.3	837.9	831.0	827.6	825.6	822.7	820.2	819.8	818.3	816.3
25°	878.5	878.0	872.6	866.8	864.3	861.9	859.4	856.0	853.1	849.6	847.7
27.5°	923.6	921.6	913.8	910.8	907.4	905.9	902.5	898.6	896.2	891.7	889.3
30°	973.0	973.0	966.7	965.7	965.7	962.3	958.3	951.5	947.1	942.7	941.2
32.5°	1022.5	1023.0	1016.6	1018.6	1020.0	1022.5	1023.5	1021.0	1018.1	1017.6	1014.7
35°	1094.0	1092.0	1085.7	1087.1	1086.6	1086.2	1086.2	1091.5	1092.5	1093.5	1087.6
37.5°	1182.6	1182.6	1176.3	1176.3	1173.3	1170.4	1166.5	1169.9	1175.3	1176.8	1172.8
40°	1284.0	1287.4	1279.6	1279.1	1280.1	1270.8	1266.4	1271.8	1275.2	1281.1	1276.6
42.5°	1403.5	1401.0	1393.2	1392.2	1386.8	1383.9	1380.0	1384.4	1389.8	1393.7	1395.2
45°	1518.1	1516.1	1507.3	1507.3	1501.9	1499.5	1501.4	1508.8	1511.2	1516.6	1522.0
47.5°	1631.2	1628.7	1622.9	1625.3	1625.8	1630.2	1636.6	1643.4	1650.3	1657.6	1660.1
50°	1746.8	1747.3	1740.9	1746.8	1754.1	1766.3	1783.5	1794.8	1809.0	1818.3	1821.2
52.5°	1852.0	1854.0	1860.9	1874.6	1889.3	1913.3	1942.6	1970.1	1993.6	2009.2	2008.3
55°	1978.4	1981.3	1998.0	2021.5	2045.5	2081.7	2125.3	2173.8	2213.0	2235.5	2221.3
57.5°	2140.0	2146.4	2165.0	2196.8	2232.5	2279.6	2339.3	2412.3	2473.0	2503.3	2480.3
60°	2361.8	2365.7	2388.3	2423.5	2466.6	2524.9	2604.7	2702.7	2788.4	2828.5	2802.1
62.5°	2654.2	2661.5	2679.6	2715.4	2759.5	2825.6	2923.0	3045.4	3152.2	3208.0	3148.3
65°	3003.3	3026.8	3042.0	3078.3	3119.4	3189.4	3291.3	3422.5	3537.1	3573.8	3504.8
67.5°	3349.1	3369.6	3396.1	3437.7	3479.3	3558.2	3652.7	3780.0	3905.9	3939.2	3831.9
70°	3500.4	3512.1	3553.3	3610.1	3689.9	3782.9	3892.1	4035.1	4190.9	4218.3	4082.1
72.5°	3197.3	3209.0	3255.0	3351.5	3490.6	3638.5	3829.0	4039.0	4244.7	4275.6	4088.0
75°	2418.1	2399.0	2467.1	2594.9	2782.5	2988.6	3255.0	3556.2	3853.5	3892.1	3668.3
77.5°	1249.7	1247.3	1298.7	1457.3	1681.1	1915.7	2209.0	2549.4	2840.3	2957.8	2775.6
80°	352.1	356.0	380.5	459.3	590.1	759.5	988.7	1307.5	1545.5	1666.9	1565.1
82.5°	138.1	148.9	158.2	172.9	190.0	215.0	287.0	427.0	572.9	684.6	560.7
85°	49.5	52.9	74.9	88.6	90.1	95.0	108.2	126.3	152.3	181.7	149.4
87.5°	18.6	20.6	24.0	39.7	39.2	35.7	43.6	45.5	34.3	31.3	38.7
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°	756.1	756.1	756.1	756.1	756.1	756.1	756.1	756.1
2.5°	754.1	754.6	754.6	755.1	755.6	755.6	756.6	756.6
5°	754.6	754.6	753.6	754.1	753.6	753.6	754.1	754.1
7.5°	753.6	753.2	752.2	751.7	750.7	750.7	750.7	750.7
10°	752.2	751.7	750.7	750.2	749.7	749.7	749.7	749.7
12.5°	756.1	754.6	753.6	753.2	753.2	753.2	753.2	753.2
15°	766.4	763.0	760.5	760.5	761.0	762.0	762.0	763.0
17.5°	779.1	775.2	772.7	770.8	771.8	773.2	774.2	775.2
20°	794.3	792.3	788.9	786.9	786.9	788.9	789.9	790.4
22.5°	815.4	813.9	812.4	810.0	810.0	810.9	812.9	812.9
25°	846.7	845.7	844.7	842.8	842.3	842.3	843.3	844.2
27.5°	885.9	886.4	885.4	884.9	883.4	882.9	884.4	883.9
30°	938.3	940.7	943.2	941.2	938.8	937.3	935.8	933.9
32.5°	1009.3	1006.3	1004.4	1000.9	996.5	992.6	989.7	986.3
35°	1076.4	1071.5	1069.5	1072.4	1072.0	1069.5	1066.1	1063.1
37.5°	1158.6	1157.7	1158.6	1164.0	1163.0	1165.5	1158.6	1158.1
40°	1262.4	1263.4	1270.3	1276.6	1280.1	1283.5	1279.6	1275.7
42.5°	1382.9	1382.4	1384.9	1393.7	1399.6	1403.5	1395.2	1394.2
45°	1510.2	1506.8	1508.8	1516.1	1522.0	1526.4	1517.1	1517.1
47.5°	1650.3	1644.4	1638.0	1646.4	1649.8	1652.7	1645.4	1642.9
50°	1806.5	1794.3	1780.6	1784.0	1784.0	1783.0	1773.7	1773.2
52.5°	1985.7	1963.2	1938.2	1928.9	1923.5	1917.7	1901.5	1893.7
55°	2191.9	2158.1	2118.9	2094.9	2082.2	2066.0	2039.1	2031.8
57.5°	2432.8	2379.9	2312.4	2283.0	2254.6	2228.1	2198.3	2189.9
60°	2718.3	2640.5	2550.8	2496.5	2465.6	2440.2	2409.3	2407.9
62.5°	3036.6	2913.7	2812.3	2763.4	2740.9	2718.3	2688.9	2692.9
65°	3360.3	3232.0	3137.0	3097.4	3076.3	3057.7	3028.3	3032.7
67.5°	3679.6	3561.6	3457.3	3416.6	3393.1	3369.6	3343.2	3347.6
70°	3908.8	3762.4	3644.8	3554.7	3498.4	3434.8	3393.6	3383.3
72.5°	3843.2	3617.4	3430.8	3252.1	3147.3	3062.1	3004.3	2979.3
75°	3326.0	3017.5	2777.6	2558.2	2434.8	2334.4	2261.4	2215.9
77.5°	2470.0	2123.3	1839.8	1587.1	1387.3	1253.1	1158.6	1097.4
80°	1352.1	1028.4	751.7	528.4	388.3	322.7	285.0	266.9
82.5°	421.1	271.8	200.3	172.9	160.6	153.8	142.5	124.4
85°	134.2	117.5	109.2	104.3	99.4	86.7	59.7	54.4
87.5°	51.9	53.4	52.9	49.9	50.9	36.7	29.4	26.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)