

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: P197578

Luminaire Tested: **TT-C6-LED-E1-CQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-CQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12461.6 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

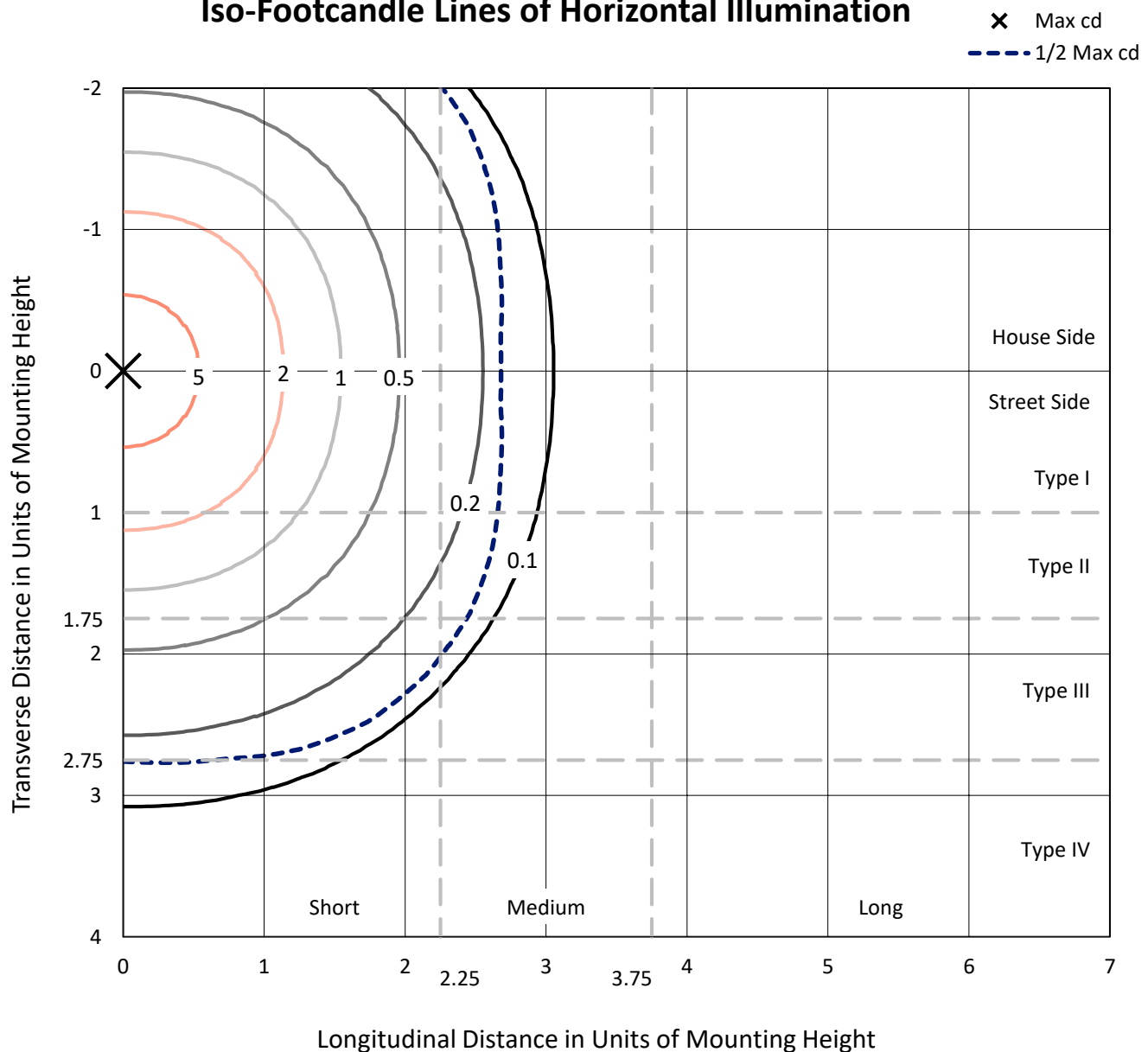
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

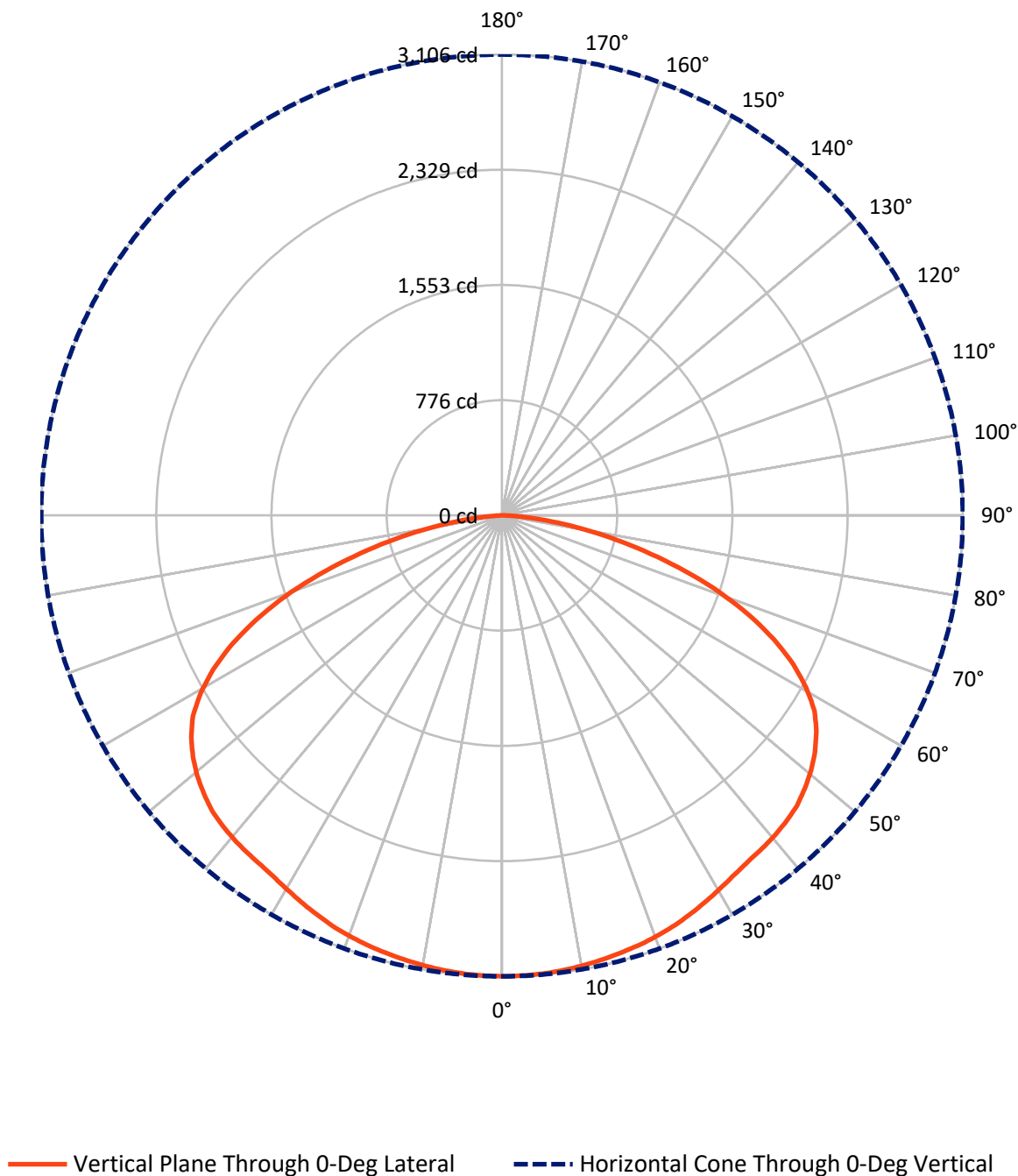


Based on 20 foot mounting height. Maximum calculated value = 7.8 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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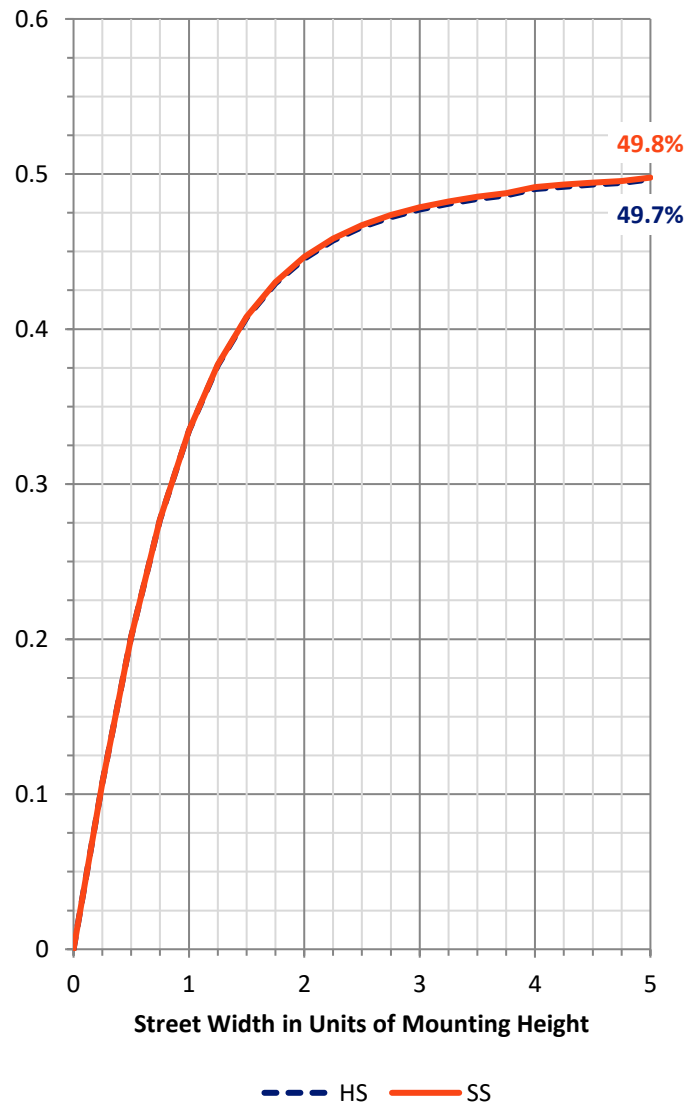
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6230.8	0.0	6230.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6230.8	0.0	6230.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	12461.6	0.0	12461.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.2	2.4
10°-20°	864.3	6.9
20°-30°	1374.9	11.0
30°-40°	1818.3	14.6
40°-50°	2218.8	17.8
50°-60°	2396.3	19.2
60°-70°	2075.2	16.7
70°-80°	1176.6	9.4
80°-90°	242.0	1.9
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°	12461.6	100.0
0°-180°	12461.6	100.0

Coefficient of Utilization



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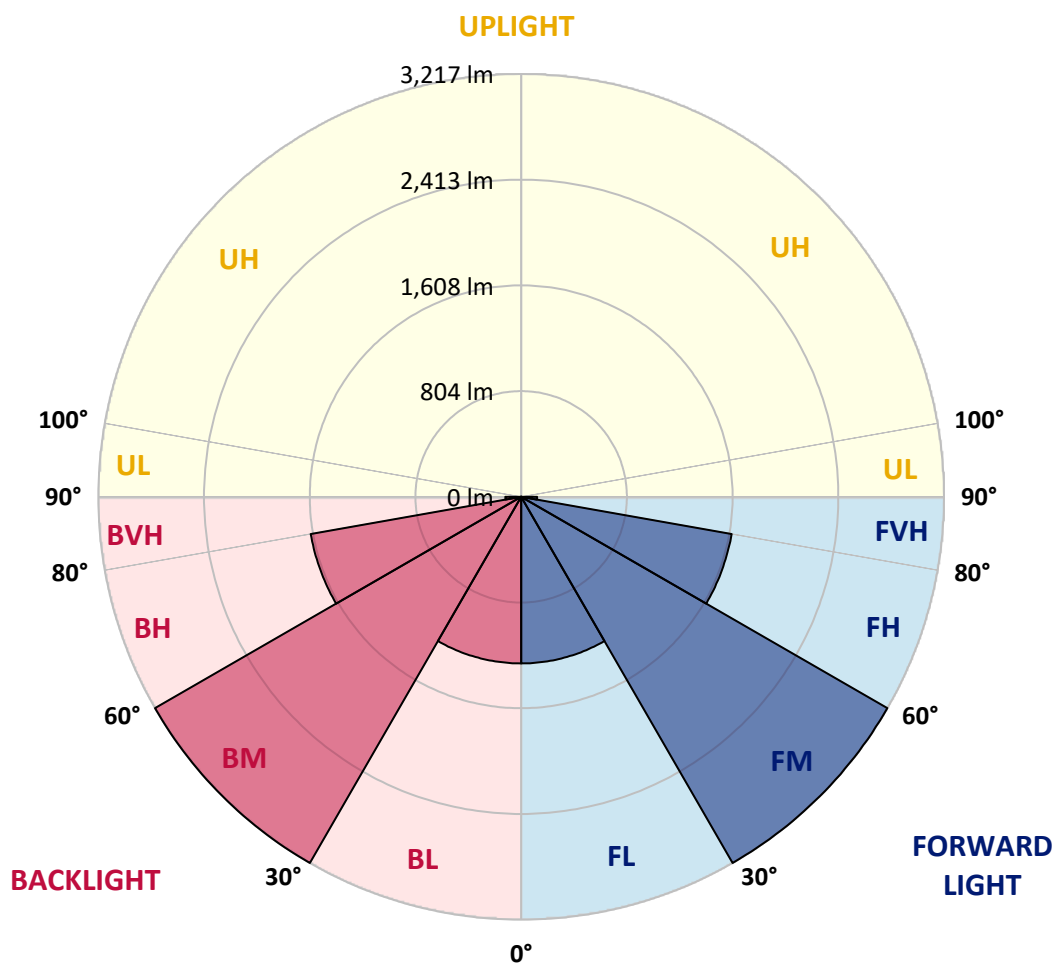
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1267.2	10.2			
FM	(30°-60°)	3216.7	25.8			
FH	(60°-80°)	1625.9	13.0			G1/1800
FVH	(80°-90°)	121.0	1.0			G2/225
BL	(0°-30°)	1267.2	10.2	B3/2500		
BM	(30°-60°)	3216.7	25.8	B3/5000		
BH	(60°-80°)	1625.9	13.0	B3/2500		G1/1800
BVH	(80°-90°)	121.0	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3105.6	3105.6	3105.6	3105.6	3105.6	3105.6	3105.6	3105.6	3105.6	3105.6	3105.6
2.5°	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4
5°	3099.2	3099.2	3099.2	3099.2	3099.2	3099.2	3099.2	3099.2	3099.2	3099.2	3099.2
7.5°	3090.6	3090.6	3090.6	3090.6	3090.6	3092.7	3090.6	3090.6	3090.6	3090.6	3092.7
10°	3079.9	3079.9	3082.0	3082.0	3079.9	3079.9	3079.9	3079.9	3079.9	3079.9	3079.9
12.5°	3067.0	3067.0	3067.0	3067.0	3067.0	3067.0	3067.0	3067.0	3064.8	3064.8	3064.8
15°	3052.0	3052.0	3052.0	3054.1	3054.1	3054.1	3054.1	3052.0	3049.8	3047.7	3049.8
17.5°	3037.0	3037.0	3039.1	3041.2	3041.2	3041.2	3041.2	3037.0	3034.8	3032.7	3032.7
20°	3017.7	3019.8	3019.8	3021.9	3024.1	3024.1	3024.1	3021.9	3017.7	3013.4	3013.4
22.5°	2996.2	2998.4	3000.5	3002.6	3004.8	3002.6	3002.6	3000.5	2996.2	2994.1	2991.9
25°	2968.3	2968.3	2972.6	2976.9	2979.1	2979.1	2979.1	2974.8	2970.5	2968.3	2966.2
27.5°	2940.4	2940.4	2944.7	2951.2	2953.3	2955.5	2951.2	2949.0	2942.6	2938.3	2938.3
30°	2910.4	2910.4	2916.9	2925.4	2931.9	2934.0	2931.9	2923.3	2914.7	2910.4	2910.4
32.5°	2882.5	2884.7	2891.1	2904.0	2914.7	2919.0	2916.9	2906.1	2895.4	2886.8	2884.7
35°	2861.1	2863.2	2876.1	2891.1	2908.3	2914.7	2908.3	2897.6	2880.4	2867.5	2867.5
37.5°	2848.2	2848.2	2865.4	2891.1	2910.4	2919.0	2910.4	2895.4	2871.8	2854.7	2854.7
40°	2833.2	2837.5	2858.9	2891.1	2919.0	2931.9	2921.1	2899.7	2869.7	2848.2	2846.1
42.5°	2813.9	2820.3	2843.9	2886.8	2921.1	2940.4	2929.7	2904.0	2867.5	2843.9	2841.8
45°	2788.2	2790.3	2820.3	2871.8	2916.9	2942.6	2934.0	2901.8	2861.1	2833.2	2828.9
47.5°	2747.4	2751.7	2788.2	2848.2	2904.0	2931.9	2925.4	2889.0	2837.5	2805.3	2798.9
50°	2700.2	2704.5	2747.4	2816.1	2878.2	2910.4	2899.7	2854.7	2798.9	2756.0	2751.7
52.5°	2642.3	2650.9	2698.1	2775.3	2841.8	2871.8	2854.7	2796.7	2732.4	2685.2	2680.9
55°	2571.6	2580.1	2633.7	2715.2	2781.7	2805.3	2781.7	2713.1	2644.5	2590.9	2580.1
57.5°	2483.6	2490.1	2541.5	2627.3	2691.7	2711.0	2680.9	2610.2	2528.7	2470.7	2464.3
60°	2354.9	2363.5	2423.6	2502.9	2567.3	2590.9	2560.8	2475.0	2387.1	2329.2	2327.0
62.5°	2200.5	2215.5	2267.0	2352.8	2410.7	2442.9	2402.1	2314.2	2226.2	2159.8	2159.8
65°	2013.9	2024.6	2080.4	2164.0	2219.8	2247.7	2206.9	2125.4	2028.9	1971.0	1964.6
67.5°	1799.4	1808.0	1857.3	1943.1	2003.2	2026.8	1981.7	1904.5	1814.5	1752.3	1745.8
70°	1561.4	1574.2	1610.7	1690.1	1743.7	1756.5	1722.2	1649.3	1567.8	1512.0	1507.8
72.5°	1301.9	1312.6	1359.8	1422.0	1464.9	1469.2	1447.7	1394.1	1310.4	1265.4	1259.0
75°	1035.9	1053.1	1093.8	1147.4	1179.6	1179.6	1166.7	1128.1	1055.2	1020.9	1020.9
77.5°	785.0	793.6	836.5	872.9	898.6	911.5	896.5	862.2	804.3	780.7	767.8
80°	546.9	555.5	574.8	602.7	628.4	637.0	619.8	591.9	559.8	542.6	534.0
82.5°	334.6	343.2	353.9	368.9	386.1	394.6	383.9	366.8	338.9	336.7	334.6
85°	160.9	165.1	173.7	178.0	186.6	188.7	190.9	182.3	173.7	163.0	167.3
87.5°	49.3	49.3	51.5	53.6	57.9	57.9	57.9	55.8	51.5	49.3	49.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)