

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: P400685

Luminaire Tested: **TT-D6-835-U-MQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-16)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D6-835-U-MQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
3500K, 80 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11800 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 105.2
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: 28.75 FT

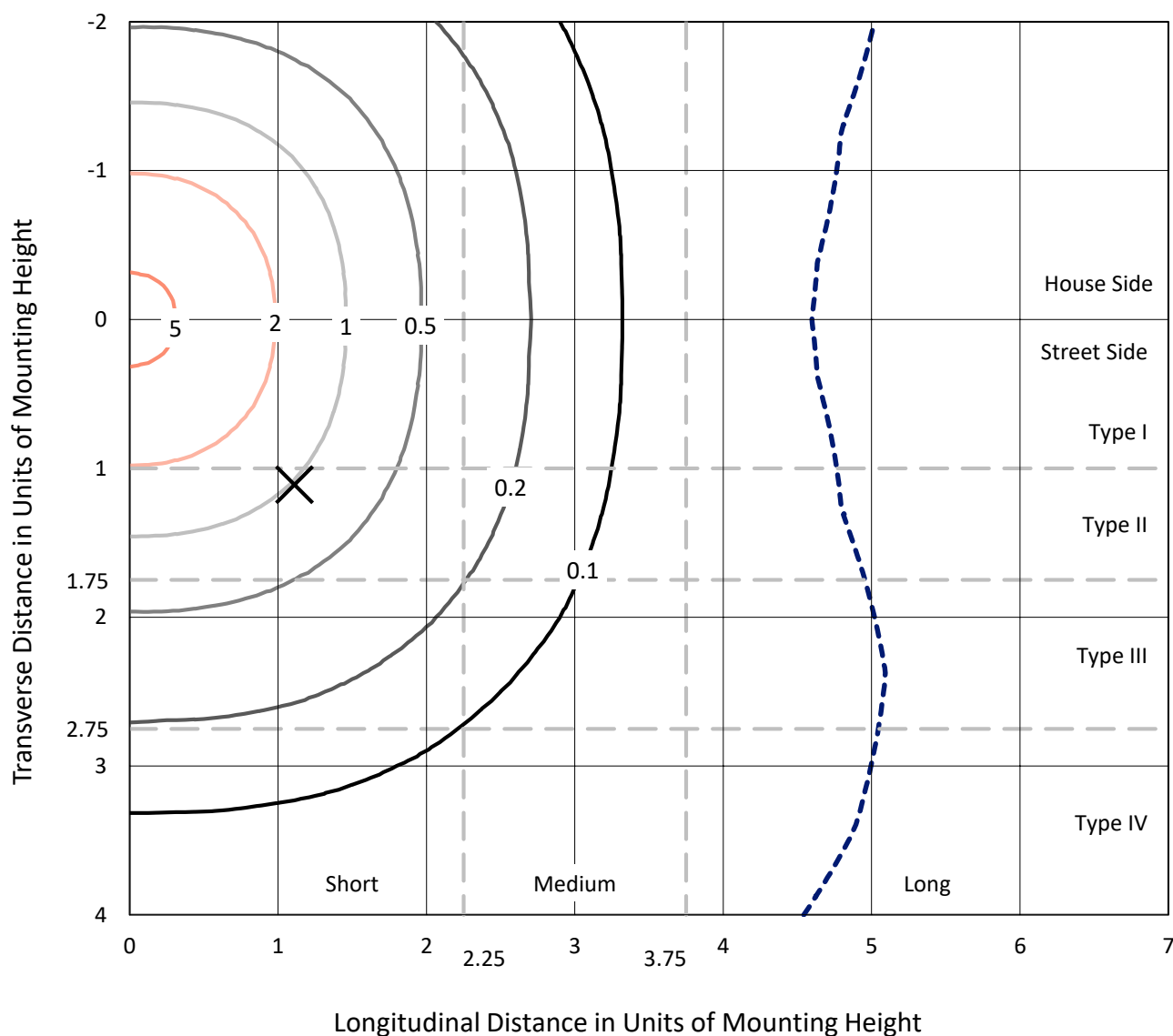


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

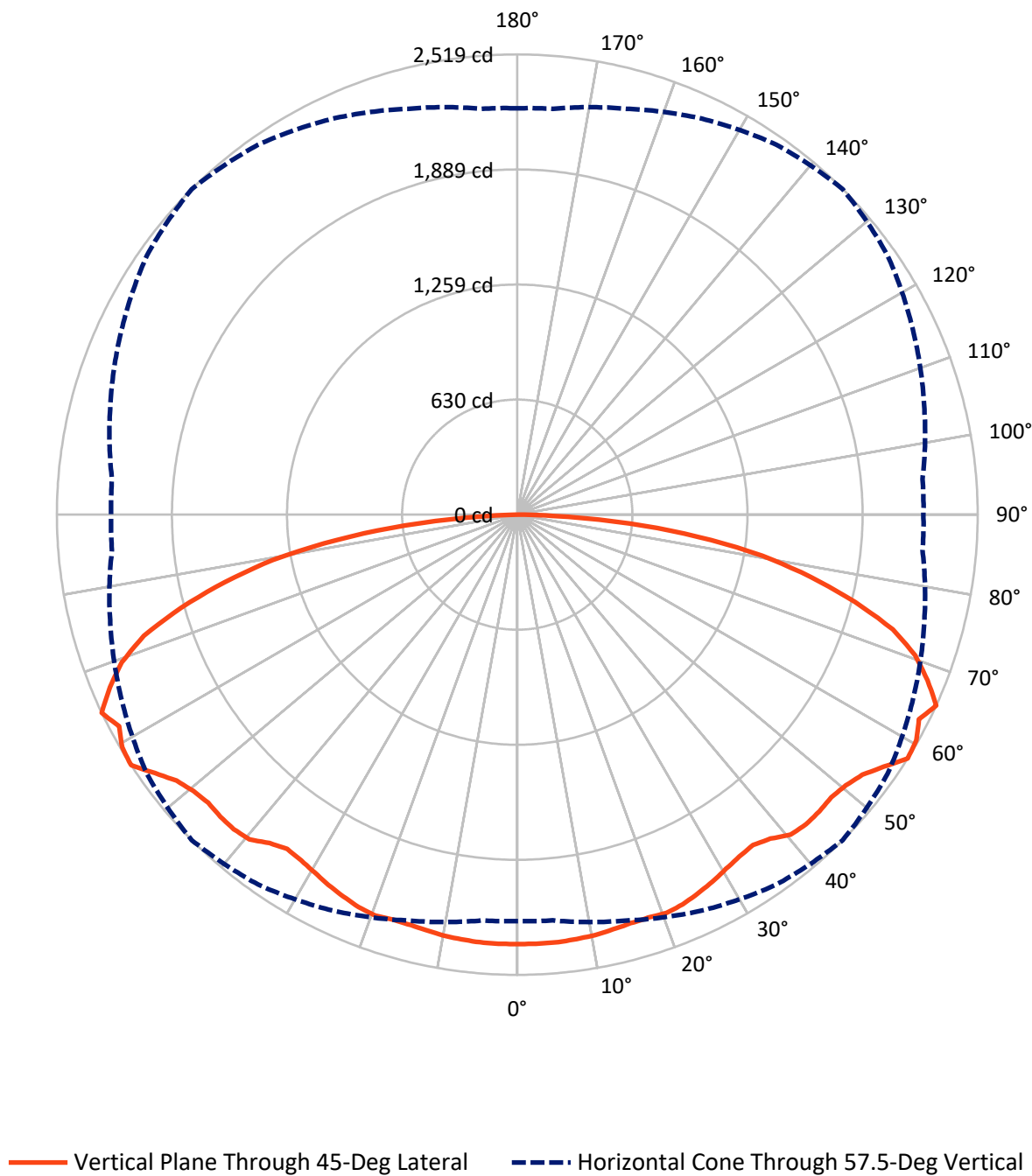


Based on 20 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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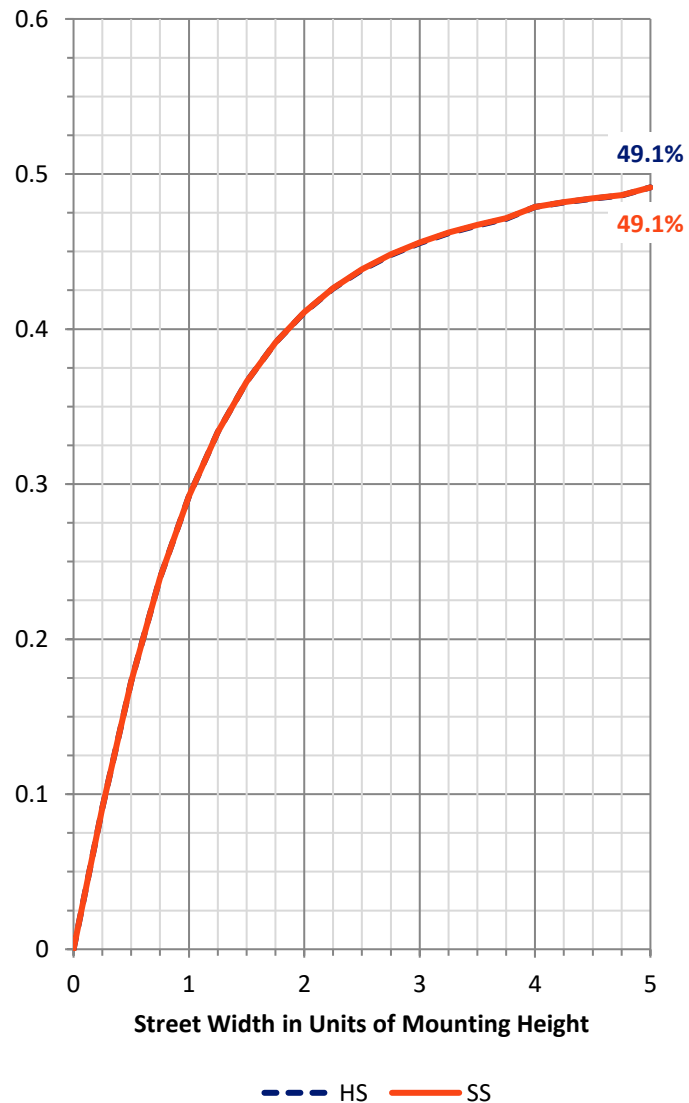
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5900.0	0.0	5900.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5900.0	0.0	5900.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11800.0	0.0	11800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.0	1.9
10°-20°	658.7	5.6
20°-30°	1058.4	9.0
30°-40°	1397.3	11.8
40°-50°	1748.2	14.8
50°-60°	2079.4	17.6
60°-70°	2255.3	19.1
70°-80°	1795.1	15.2
80°-90°	583.5	4.9
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°	11800.0	100.0
0°-180°	11800.0	100.0

Coefficient of Utilization



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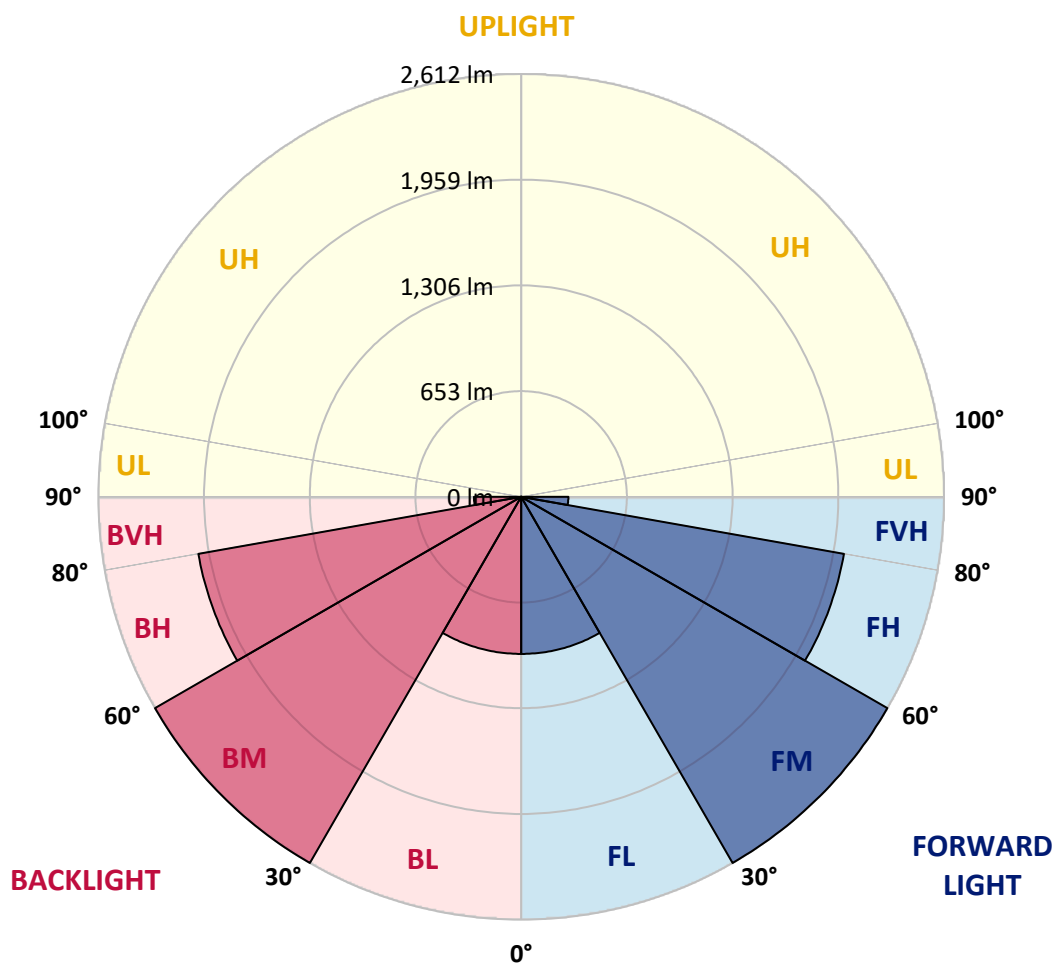
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	970.6	8.2			
FM	(30°-60°)	2612.5	22.1			
FH	(60°-80°)	2025.2	17.2			G2/5000
FVH	(80°-90°)	291.8	2.5			G3/500
BL	(0°-30°)	970.6	8.2	B2/1000		
BM	(30°-60°)	2612.5	22.1	B3/5000		
BH	(60°-80°)	2025.2	17.2	B3/2500		G2/5000
BVH	(80°-90°)	291.8	2.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2350.2	2350.2	2350.2	2350.2	2350.2	2350.2	2350.2	2350.2	2350.2	2350.2	2350.2
2.5°	2353.7	2352.0	2353.7	2352.0	2352.0	2350.2	2352.0	2352.0	2352.0	2352.0	2352.0
5°	2352.0	2350.2	2350.2	2352.0	2350.2	2350.2	2350.2	2350.2	2350.2	2350.2	2350.2
7.5°	2344.9	2344.9	2346.7	2344.9	2344.9	2344.9	2344.9	2344.9	2344.9	2346.7	2346.7
10°	2339.7	2337.9	2339.7	2339.7	2337.9	2337.9	2337.9	2339.7	2339.7	2339.7	2339.7
12.5°	2332.6	2330.9	2332.6	2332.6	2330.9	2329.1	2330.9	2330.9	2332.6	2332.6	2332.6
15°	2320.4	2320.4	2323.9	2322.1	2322.1	2320.4	2323.9	2322.1	2320.4	2322.1	2322.1
17.5°	2311.6	2311.6	2315.1	2318.6	2318.6	2318.6	2318.6	2316.8	2313.3	2315.1	2311.6
20°	2313.3	2315.1	2316.8	2322.1	2325.6	2327.4	2327.4	2322.1	2316.8	2318.6	2316.8
22.5°	2308.1	2306.3	2308.1	2311.6	2316.8	2316.8	2316.8	2309.8	2308.1	2306.3	2306.3
25°	2287.0	2287.0	2290.5	2294.0	2297.5	2295.8	2297.5	2294.0	2290.5	2287.0	2287.0
27.5°	2262.4	2262.4	2267.7	2271.2	2274.7	2274.7	2273.0	2269.5	2267.7	2264.2	2262.4
30°	2237.9	2237.9	2243.1	2246.6	2251.9	2250.1	2250.1	2244.9	2239.6	2236.1	2236.1
32.5°	2211.5	2209.8	2215.0	2223.8	2230.8	2230.8	2230.8	2220.3	2213.3	2209.8	2208.0
35°	2188.7	2188.7	2195.7	2211.5	2220.3	2220.3	2216.8	2209.8	2194.0	2188.7	2188.7
37.5°	2181.7	2187.0	2206.3	2229.1	2246.6	2250.1	2244.9	2225.6	2204.5	2188.7	2183.5
40°	2204.5	2209.8	2234.4	2271.2	2297.5	2302.8	2297.5	2269.5	2232.6	2208.0	2206.3
42.5°	2208.0	2211.5	2241.4	2283.5	2308.1	2316.8	2308.1	2280.0	2239.6	2209.8	2208.0
45°	2195.7	2197.5	2232.6	2276.5	2306.3	2316.8	2306.3	2273.0	2230.8	2197.5	2195.7
47.5°	2179.9	2183.5	2222.1	2267.7	2304.6	2311.6	2302.8	2265.9	2218.6	2185.2	2179.9
50°	2167.7	2178.2	2213.3	2264.2	2308.1	2329.1	2308.1	2258.9	2211.5	2174.7	2167.7
52.5°	2174.7	2178.2	2223.8	2295.8	2355.5	2364.2	2353.7	2295.8	2220.3	2178.2	2172.9
55°	2195.7	2211.5	2260.7	2364.2	2418.6	2434.4	2411.6	2360.7	2262.4	2211.5	2195.7
57.5°	2223.8	2229.1	2299.3	2390.6	2471.3	2518.7	2473.1	2388.8	2304.6	2225.6	2222.1
60°	2201.0	2185.2	2273.0	2380.0	2488.9	2508.2	2481.8	2381.8	2269.5	2183.5	2199.2
62.5°	2139.6	2150.1	2222.1	2369.5	2445.0	2466.0	2438.0	2369.5	2218.6	2158.9	2134.3
65°	2090.4	2153.6	2232.6	2337.9	2459.0	2518.7	2460.8	2334.4	2236.1	2143.1	2085.2
67.5°	2022.0	2034.3	2151.9	2281.7	2390.6	2420.4	2388.8	2283.5	2141.3	2025.5	2034.3
70°	1906.1	1888.6	2007.9	2158.9	2262.4	2309.8	2265.9	2151.9	2002.7	1885.1	1900.9
72.5°	1714.8	1725.3	1835.9	1995.6	2102.7	2148.3	2104.5	1983.4	1832.4	1735.9	1725.3
75°	1514.7	1527.0	1634.1	1779.8	1888.6	1907.9	1895.6	1771.0	1637.6	1525.3	1514.7
77.5°	1286.6	1298.8	1386.6	1546.3	1611.3	1641.1	1614.8	1555.1	1383.1	1297.1	1283.0
80°	1033.8	1030.3	1107.5	1244.4	1325.2	1358.5	1325.2	1247.9	1104.0	1037.3	1014.5
82.5°	738.9	742.4	814.4	909.2	986.4	996.9	981.1	918.0	807.4	751.2	719.6
85°	410.7	426.5	479.2	549.4	600.3	617.8	591.5	531.8	477.4	433.5	419.5
87.5°	98.3	107.1	124.6	158.0	177.3	194.8	177.3	165.0	117.6	107.1	98.3
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)