

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: P400681

Luminaire Tested: **TT-D6-827-U-MQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400681
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-D6-827-U-MQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
2700K, 80 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11074 lumens
Efficiency: N/A
Efficacy: 105.3 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

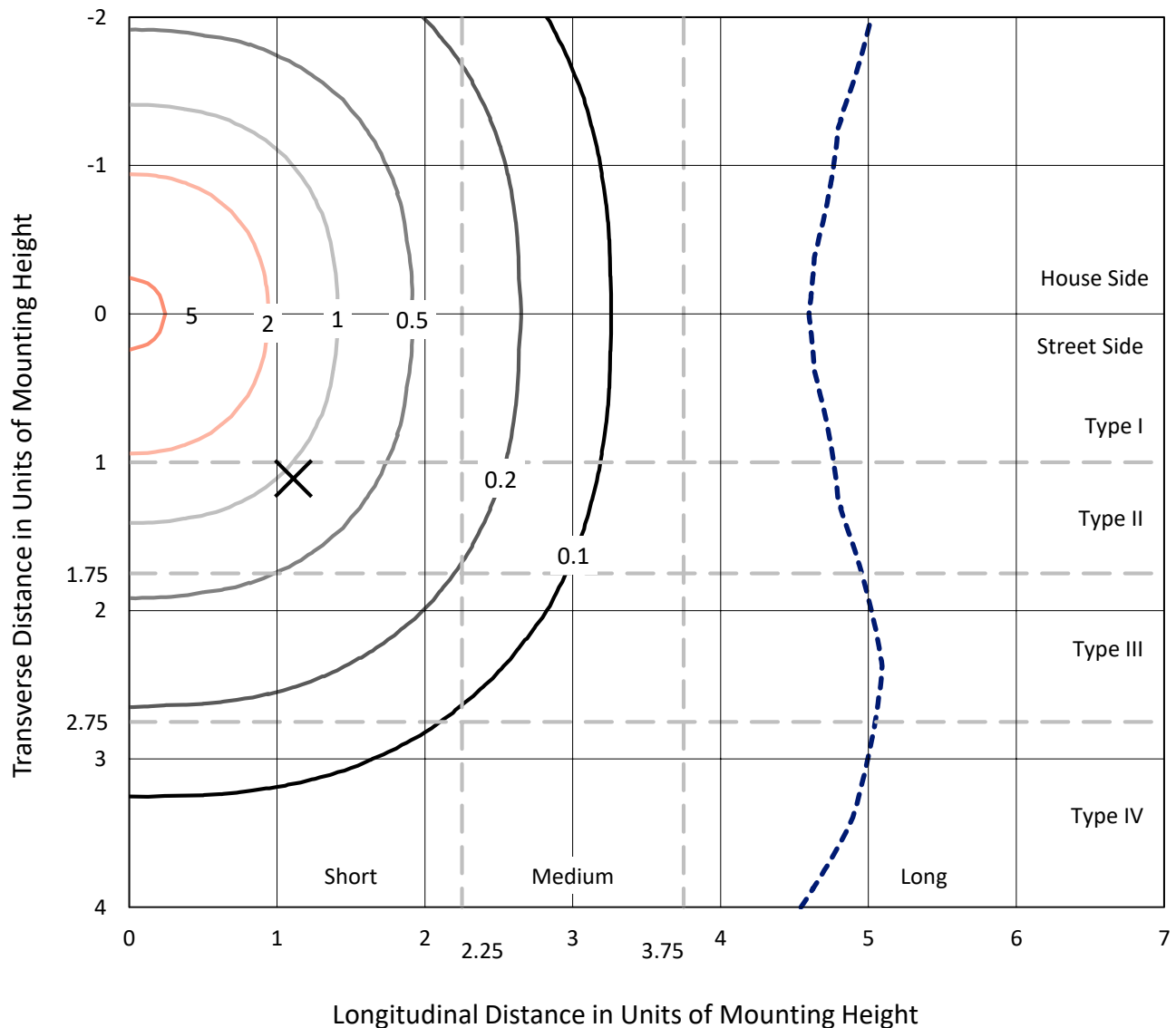


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

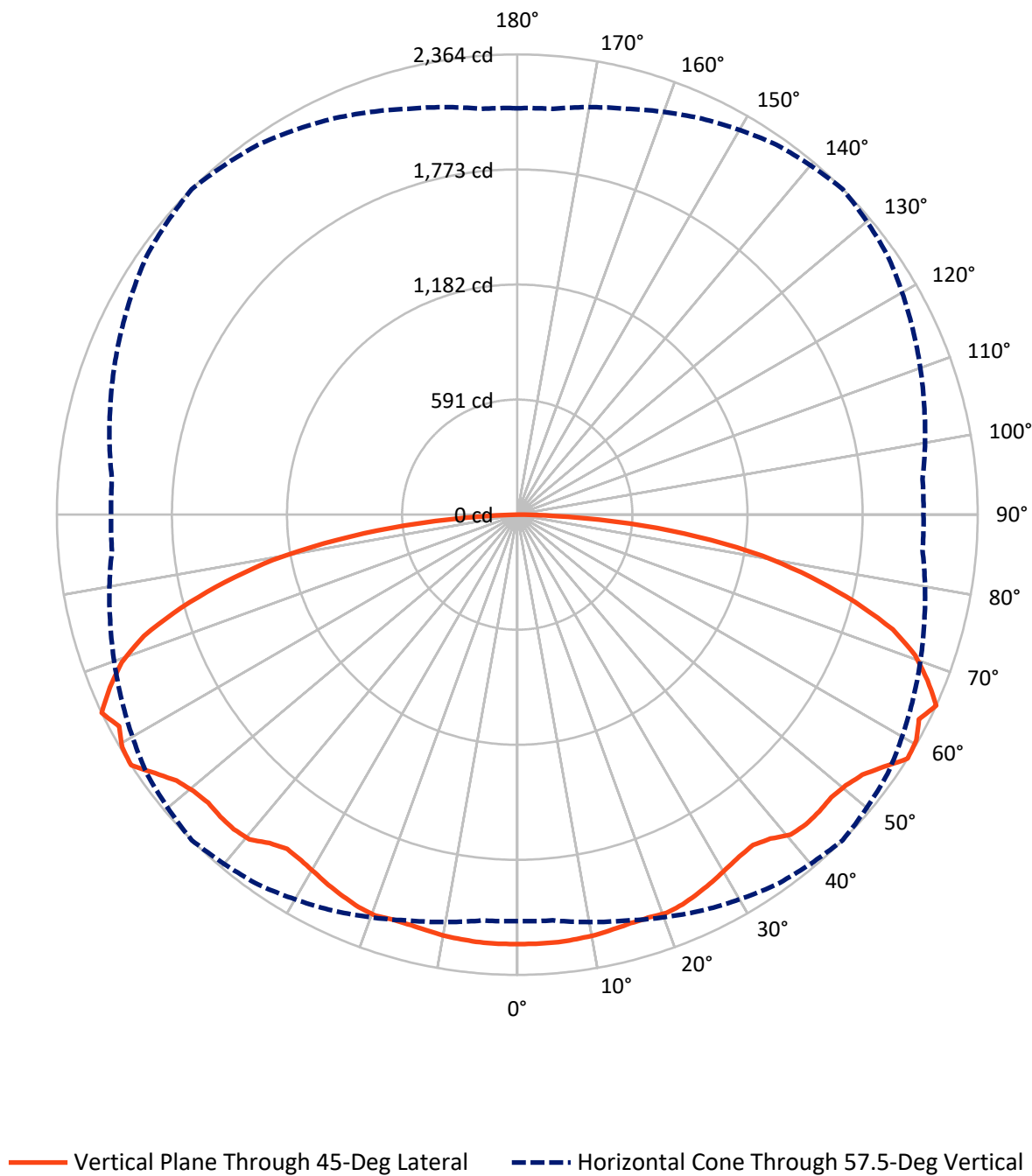


Based on 20 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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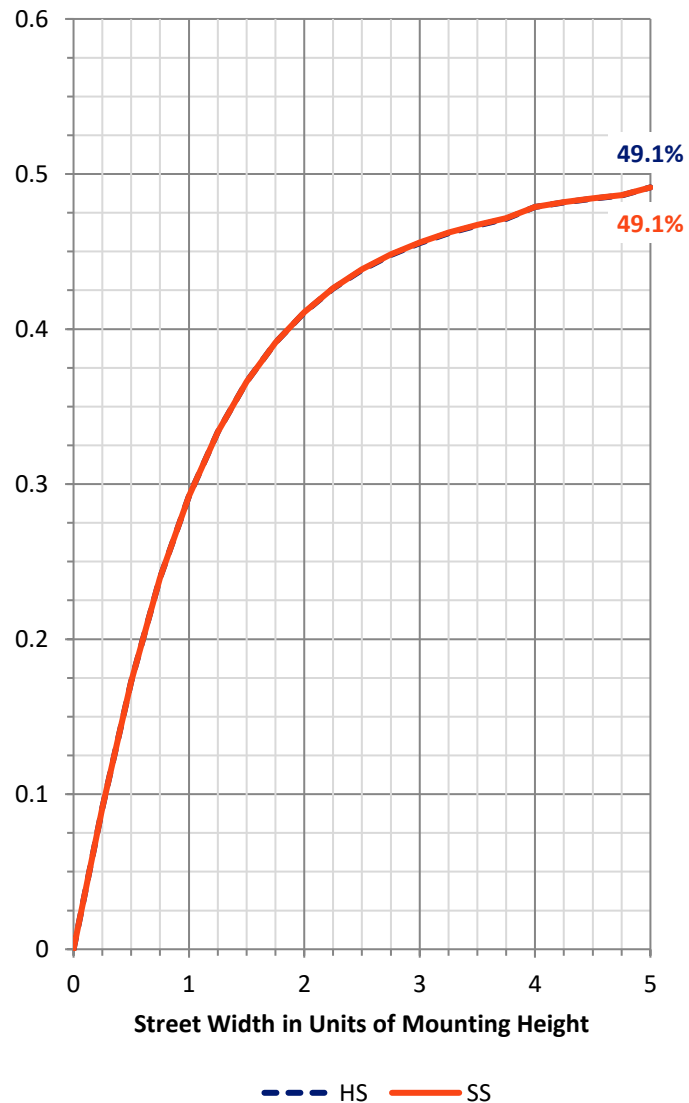
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5537.0	0.0	5537.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5537.0	0.0	5537.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11074.0	0.0	11074.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.2	1.9
10°-20°	618.2	5.6
20°-30°	993.3	9.0
30°-40°	1311.4	11.8
40°-50°	1640.7	14.8
50°-60°	1951.4	17.6
60°-70°	2116.5	19.1
70°-80°	1684.7	15.2
80°-90°	547.6	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°	11074.0	100.0
0°-180°	11074.0	100.0

Coefficient of Utilization



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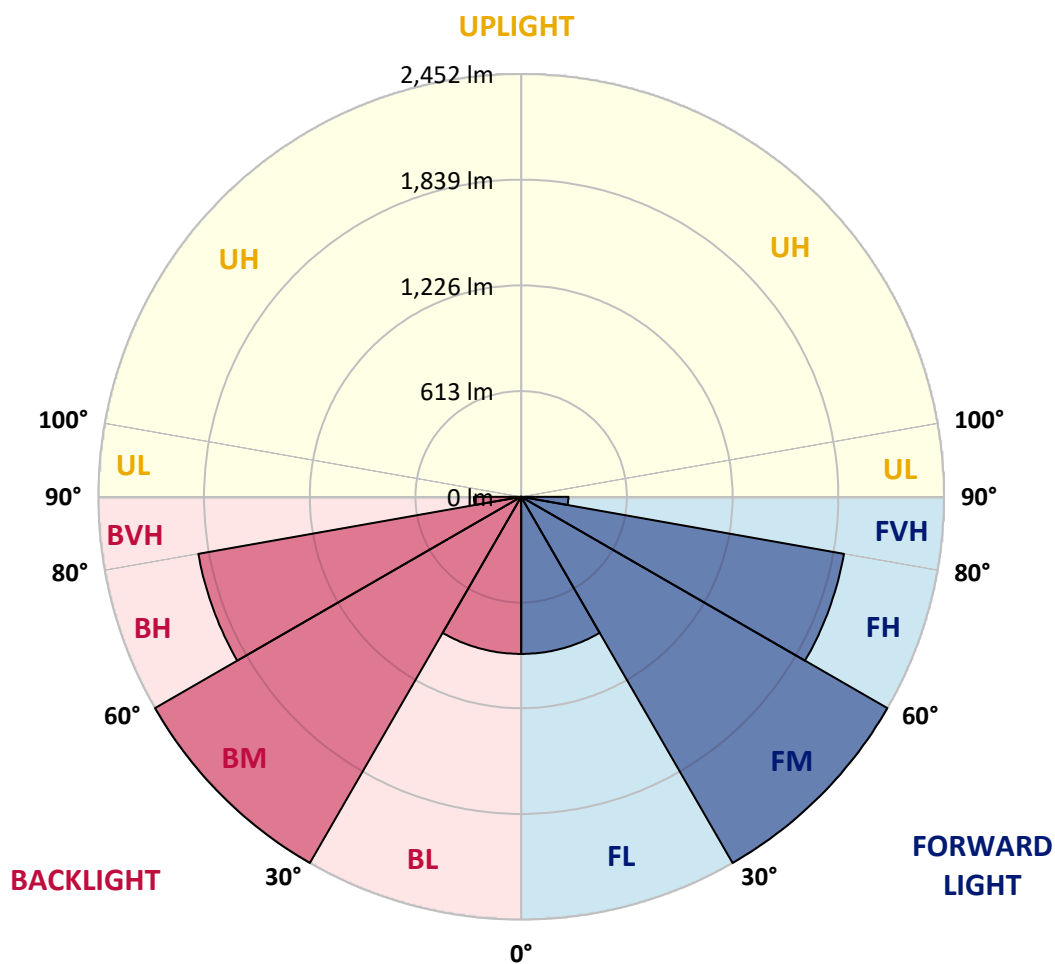
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	910.8	8.2			
FM	(30°-60°)	2451.7	22.1			
FH	(60°-80°)	1900.6	17.2			G2/5000
FVH	(80°-90°)	273.8	2.5			G3/500
BL	(0°-30°)	910.8	8.2	B2/1000		
BM	(30°-60°)	2451.7	22.1	B2/2500		
BH	(60°-80°)	1900.6	17.2	B3/2500		G2/5000
BVH	(80°-90°)	273.8	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°	2205.6	2205.6	2205.6	2205.6	2205.6	2205.6	2205.6	2205.6	2205.6	2205.6	2205.6
2.5°	2208.9	2207.2	2208.9	2207.2	2207.2	2205.6	2207.2	2207.2	2207.2	2207.2	2207.2
5°	2207.2	2205.6	2205.6	2207.2	2205.6	2205.6	2205.6	2205.6	2205.6	2205.6	2205.6
7.5°	2200.7	2200.7	2202.3	2200.7	2200.7	2200.7	2200.7	2200.7	2200.7	2202.3	2202.3
10°	2195.7	2194.1	2195.7	2195.7	2194.1	2195.7	2194.1	2195.7	2195.7	2195.7	2195.7
12.5°	2189.1	2187.5	2189.1	2189.1	2187.5	2185.8	2187.5	2187.5	2189.1	2189.1	2189.1
15°	2177.6	2177.6	2180.9	2179.2	2179.2	2177.6	2180.9	2179.2	2177.6	2179.2	2179.2
17.5°	2169.4	2169.4	2172.7	2175.9	2175.9	2175.9	2175.9	2174.3	2171.0	2172.7	2169.4
20°	2171.0	2172.7	2174.3	2179.2	2182.5	2184.2	2184.2	2179.2	2174.3	2175.9	2174.3
22.5°	2166.1	2164.4	2166.1	2169.4	2174.3	2174.3	2174.3	2167.7	2166.1	2164.4	2164.4
25°	2146.3	2146.3	2149.6	2152.9	2156.2	2154.5	2156.2	2152.9	2149.6	2146.3	2146.3
27.5°	2123.2	2123.2	2128.2	2131.5	2134.8	2134.8	2133.1	2129.8	2128.2	2124.9	2123.2
30°	2100.2	2100.2	2105.1	2108.4	2113.4	2111.7	2111.7	2106.8	2101.8	2098.5	2098.5
32.5°	2075.5	2073.8	2078.8	2087.0	2093.6	2093.6	2093.6	2083.7	2077.1	2073.8	2072.2
35°	2054.1	2054.1	2060.6	2075.5	2083.7	2083.7	2080.4	2073.8	2059.0	2054.1	2054.1
37.5°	2047.5	2052.4	2070.5	2091.9	2108.4	2111.7	2106.8	2088.6	2068.9	2054.1	2049.1
40°	2068.9	2073.8	2096.9	2131.5	2156.2	2161.1	2156.2	2129.8	2095.2	2072.2	2070.5
42.5°	2072.2	2075.5	2103.5	2143.0	2166.1	2174.3	2166.1	2139.7	2101.8	2073.8	2072.2
45°	2060.6	2062.3	2095.2	2136.4	2164.4	2174.3	2164.4	2133.1	2093.6	2062.3	2060.6
47.5°	2045.8	2049.1	2085.4	2128.2	2162.8	2169.4	2161.1	2126.5	2082.1	2050.8	2045.8
50°	2034.3	2044.2	2077.1	2124.9	2166.1	2185.8	2166.1	2119.9	2075.5	2040.9	2034.3
52.5°	2040.9	2044.2	2087.0	2154.5	2210.5	2218.8	2208.9	2154.5	2083.7	2044.2	2039.2
55°	2060.6	2075.5	2121.6	2218.8	2269.8	2284.7	2263.3	2215.5	2123.2	2075.5	2060.6
57.5°	2087.0	2091.9	2157.8	2243.5	2319.3	2363.7	2320.9	2241.8	2162.8	2088.6	2085.4
60°	2065.6	2050.8	2133.1	2233.6	2335.7	2353.8	2329.1	2235.2	2129.8	2049.1	2063.9
62.5°	2007.9	2017.8	2085.4	2223.7	2294.5	2314.3	2288.0	2223.7	2082.1	2026.1	2003.0
65°	1961.8	2021.1	2095.2	2194.1	2307.7	2363.7	2309.4	2190.8	2098.5	2011.2	1956.9
67.5°	1897.6	1909.1	2019.5	2141.4	2243.5	2271.5	2241.8	2143.0	2009.6	1900.9	1909.1
70°	1788.9	1772.4	1884.4	2026.1	2123.2	2167.7	2126.5	2019.5	1879.5	1769.1	1783.9
72.5°	1609.3	1619.2	1723.0	1872.9	1973.3	2016.2	1975.0	1861.3	1719.7	1629.1	1619.2
75°	1421.5	1433.1	1533.5	1670.3	1772.4	1790.5	1779.0	1662.0	1536.8	1431.4	1421.5
77.5°	1207.4	1218.9	1301.3	1451.2	1512.1	1540.1	1515.4	1459.4	1298.0	1217.3	1204.1
80°	970.2	966.9	1039.4	1167.9	1243.6	1274.9	1243.6	1171.2	1036.1	973.5	952.1
82.5°	693.5	696.8	764.3	853.2	925.7	935.6	920.8	861.5	757.7	705.0	675.4
85°	385.4	400.3	449.7	515.6	563.3	579.8	555.1	499.1	448.0	406.9	393.7
87.5°	92.2	100.5	117.0	148.2	166.4	182.8	166.4	154.8	110.4	100.5	92.2
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)