

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: STREETWORKS

Report Number: P841000

Luminaire Tested: **ARCH4-120-722-U-5WQ**

Issue Date: 5/27/2024

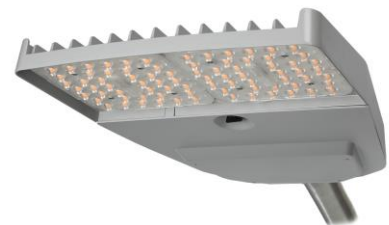
Test Information

Test Method: LM-79-08
Report Number: P841000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-120-722-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1000mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

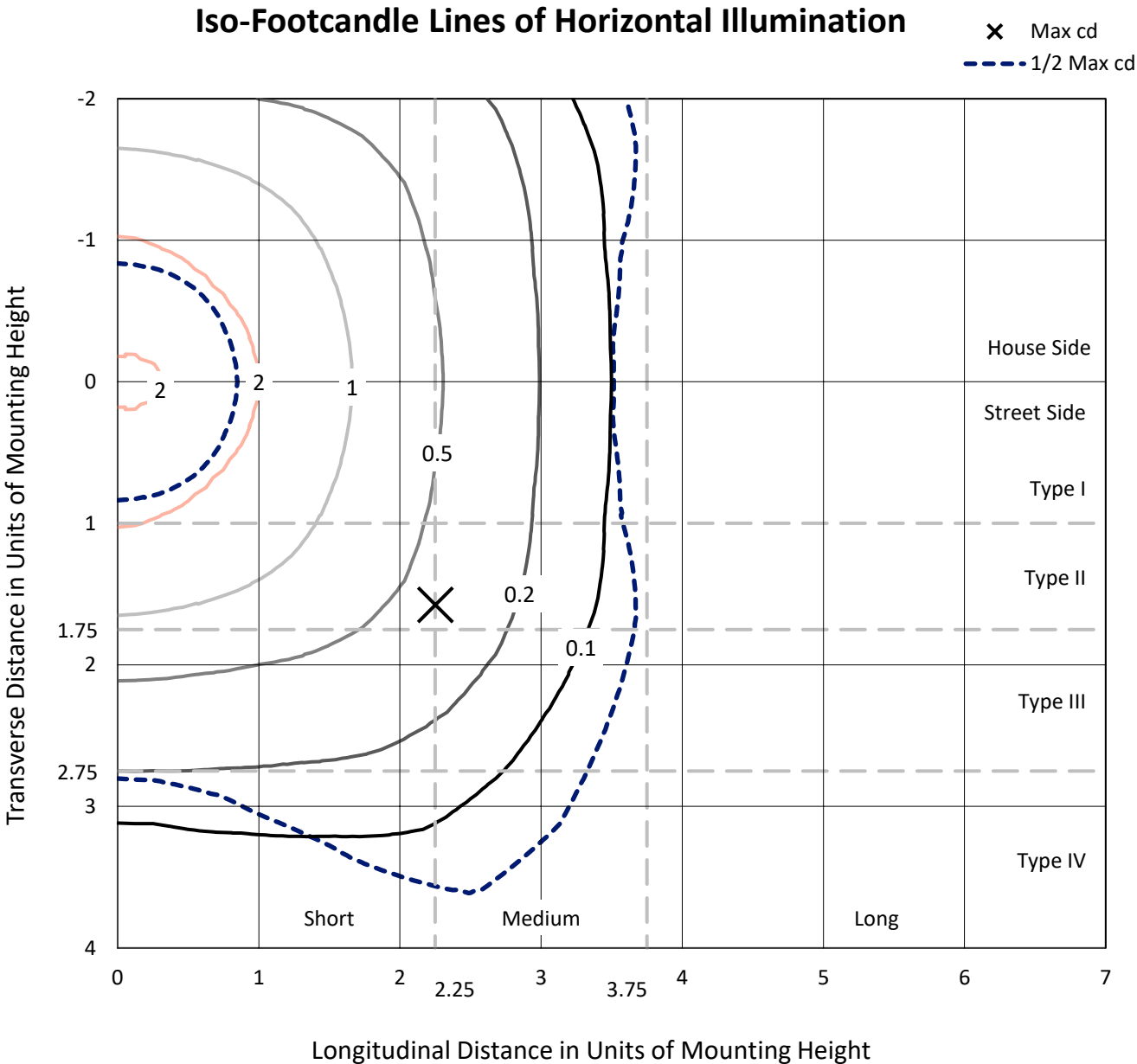
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17641 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B4 - U0 - G2

Input Watts (W): 122
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: 24 FT



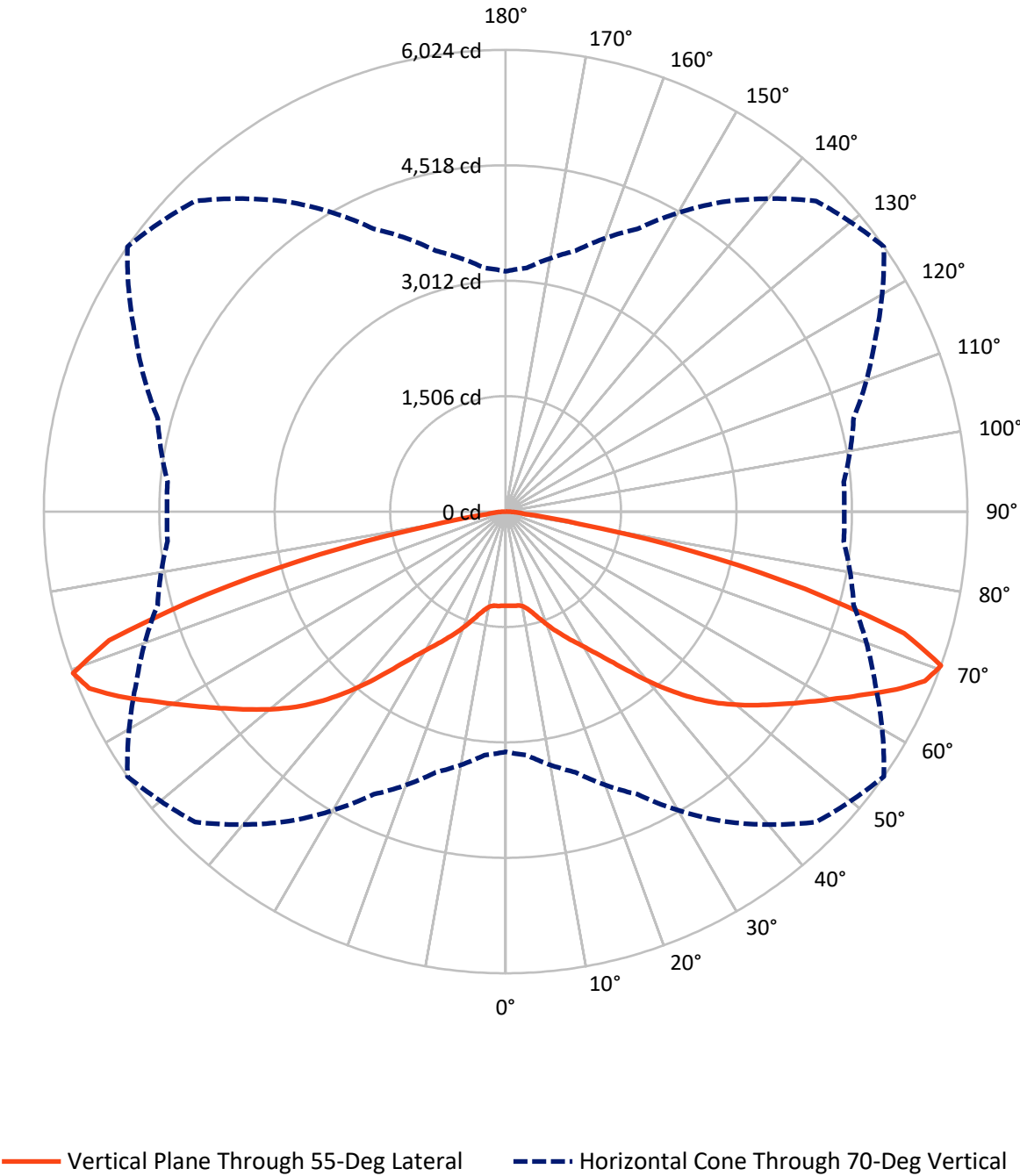
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CATALOG NUMBER: ARCH4-120-722-U-5WQ



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type V - Medium - N/A

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Luminous Intensity Polar Plot



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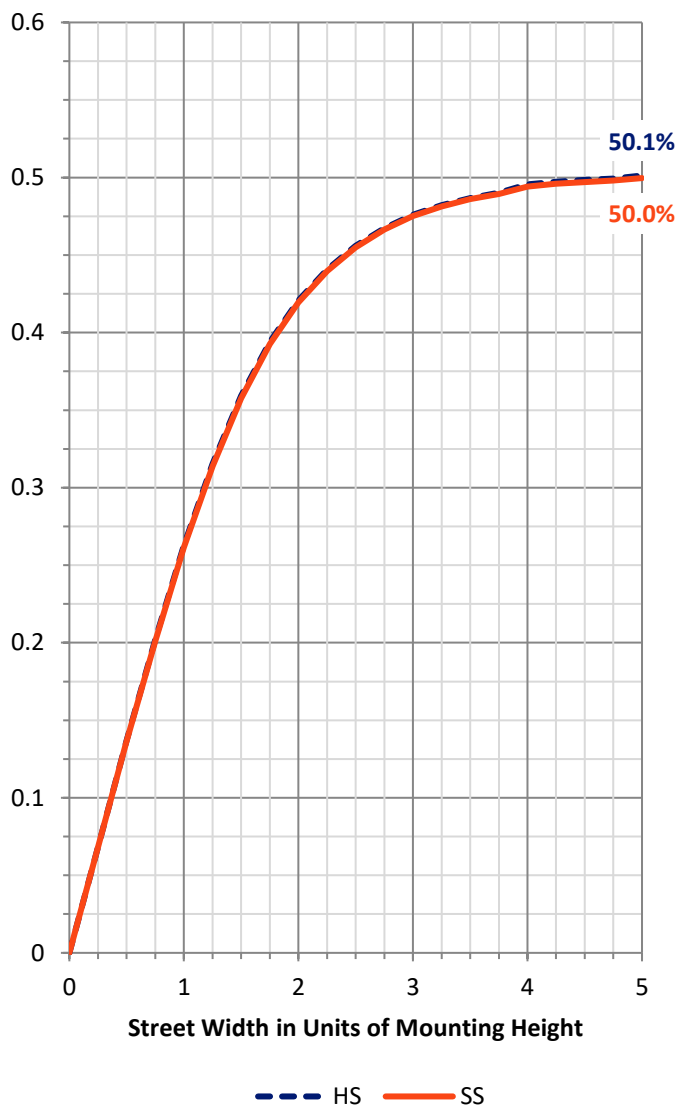
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8820.5	0.0	8820.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8820.5	0.0	8820.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17641.0	0.0	17641.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.7	0.7
10°-20°	404.1	2.3
20°-30°	839.6	4.8
30°-40°	1550.6	8.8
40°-50°	2724.1	15.4
50°-60°	3928.8	22.3
60°-70°	4808.4	27.3
70°-80°	3059.7	17.3
80°-90°	207.0	1.2
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°	17641.0	100.0
0°-180°	17641.0	100.0

Coefficient of Utilization



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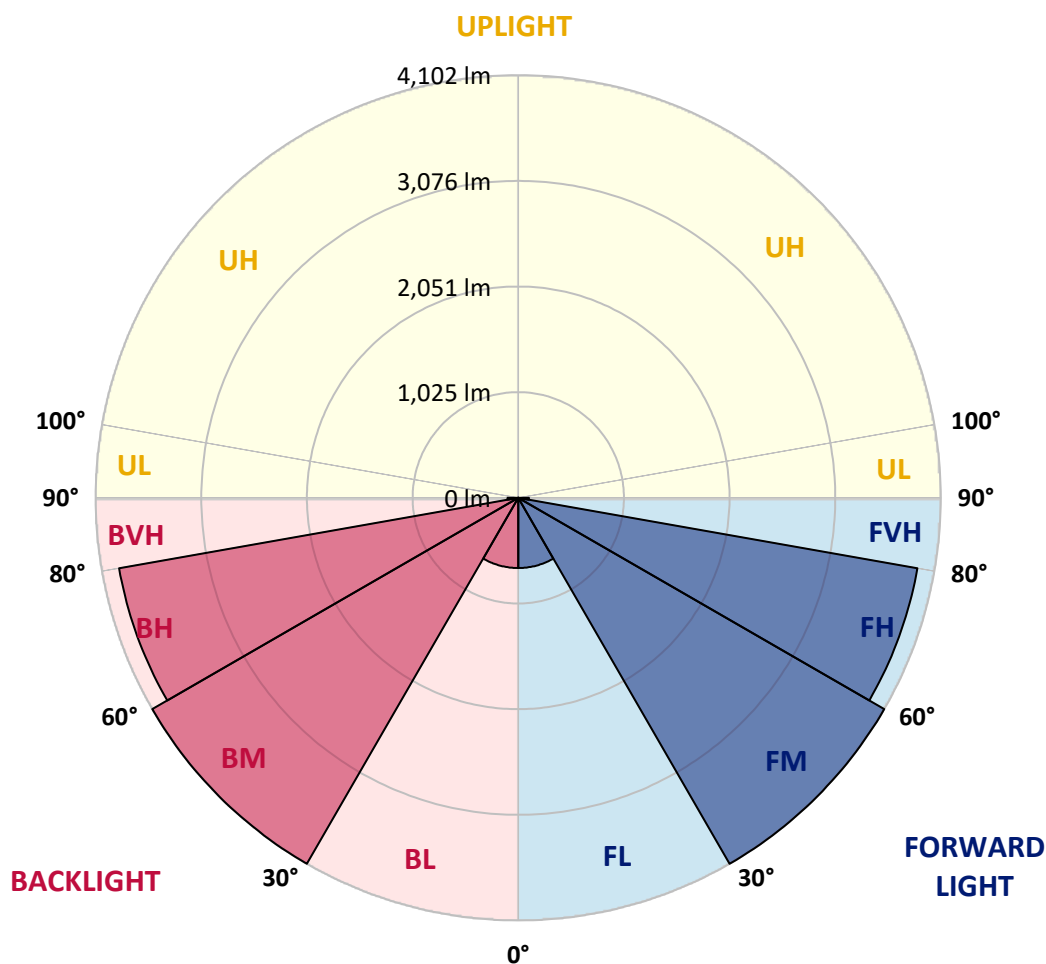
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	681.2	3.9			
FM	(30°-60°)	4101.8	23.3			
FH	(60°-80°)	3934.1	22.3			G2/5000
FVH	(80°-90°)	103.5	0.6			G2/225
BL	(0°-30°)	681.2	3.9	B2/1000		
BM	(30°-60°)	4101.8	23.3	B3/5000		
BH	(60°-80°)	3934.1	22.3	B4/5000		G2/5000
BVH	(80°-90°)	103.5	0.6			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7
2.5°	1246.1	1246.1	1242.9	1242.9	1236.3	1233.0	1229.7	1229.7	1226.5	1226.5	1223.2
5°	1252.7	1252.7	1252.7	1249.4	1246.1	1242.9	1236.3	1229.7	1226.5	1223.2	1219.9
7.5°	1256.0	1256.0	1252.7	1252.7	1249.4	1246.1	1236.3	1226.5	1223.2	1219.9	1219.9
10°	1282.2	1278.9	1275.7	1269.1	1269.1	1269.1	1256.0	1246.1	1242.9	1242.9	1242.9
12.5°	1344.5	1341.2	1334.7	1324.8	1324.8	1328.1	1308.4	1295.3	1295.3	1292.1	1292.1
15°	1436.3	1433.1	1426.5	1410.1	1406.8	1413.4	1383.9	1370.8	1370.8	1370.8	1367.5
17.5°	1538.0	1531.4	1521.6	1508.5	1508.5	1508.5	1479.0	1462.6	1452.7	1452.7	1449.5
20°	1623.3	1620.0	1620.0	1616.7	1626.5	1626.5	1587.2	1561.0	1538.0	1524.9	1521.6
22.5°	1698.7	1695.4	1702.0	1715.1	1734.8	1741.3	1695.4	1656.1	1620.0	1593.7	1587.2
25°	1800.3	1797.1	1793.8	1813.5	1846.3	1856.1	1806.9	1757.7	1721.6	1708.5	1702.0
27.5°	1908.6	1911.8	1915.1	1934.8	1961.0	1977.4	1928.2	1882.3	1852.8	1833.1	1826.6
30°	2029.9	2036.5	2046.3	2075.8	2095.5	2102.0	2059.4	2026.6	2000.4	1984.0	1974.1
32.5°	2184.0	2197.1	2210.3	2236.5	2246.3	2239.8	2220.1	2197.1	2177.5	2154.5	2151.2
35°	2413.6	2426.7	2423.4	2433.3	2436.5	2430.0	2420.1	2407.0	2397.2	2367.7	2364.4
37.5°	2702.2	2715.3	2695.6	2685.8	2662.8	2666.1	2662.8	2672.6	2675.9	2646.4	2643.1
40°	2994.0	3007.1	2980.9	2954.7	2931.7	2921.9	2938.3	2971.1	2971.1	2951.4	2951.4
42.5°	3305.6	3315.4	3272.8	3240.0	3210.5	3203.9	3213.7	3253.1	3262.9	3259.6	3259.6
45°	3617.1	3610.5	3554.8	3522.0	3495.8	3479.4	3482.6	3512.1	3531.8	3541.7	3541.7
47.5°	3856.5	3846.6	3800.7	3774.5	3758.1	3735.1	3735.1	3751.5	3761.4	3764.7	3764.7
50°	4046.7	4036.8	3990.9	3987.7	3987.7	3977.8	3968.0	3964.7	3958.1	3961.4	3961.4
52.5°	4210.6	4197.5	4164.7	4171.3	4200.8	4207.4	4194.2	4168.0	4141.8	4131.9	4135.2
55°	4387.7	4368.1	4341.8	4361.5	4420.5	4446.8	4427.1	4374.6	4328.7	4299.2	4299.2
57.5°	4528.7	4505.8	4505.8	4561.5	4669.7	4722.2	4679.6	4581.2	4502.5	4469.7	4473.0
60°	4430.4	4410.7	4489.4	4735.3	4938.7	5027.2	4955.0	4781.2	4653.4	4614.0	4620.6
62.5°	4236.9	4223.8	4322.1	4702.5	5181.3	5365.0	5256.7	5007.5	4817.3	4771.4	4771.4
65°	3951.6	3948.3	4086.0	4555.0	5237.1	5689.6	5597.8	5253.5	5007.5	4945.2	4958.3
67.5°	3656.4	3656.4	3781.1	4302.5	5171.5	5827.3	5899.5	5476.5	5099.3	4945.2	4948.5
70°	3135.0	3190.8	3522.0	4069.6	4932.1	5729.0	6024.1	5319.1	4699.3	4427.1	4417.2
72.5°	2066.0	2138.1	2797.3	3663.0	4696.0	5371.5	5437.1	4673.0	3902.4	3584.3	3567.9
75°	1246.1	1308.4	1813.5	2859.6	4128.7	4325.4	4036.8	3663.0	2915.3	2666.1	2666.1
77.5°	367.3	409.9	836.2	1813.5	2856.3	2843.2	2489.0	2157.8	1724.9	1465.9	1485.5
80°	216.4	223.0	272.2	826.4	1183.8	1246.1	960.8	600.1	600.1	446.0	432.9
82.5°	167.2	167.2	173.8	206.6	285.3	318.1	242.7	206.6	236.1	200.0	190.2
85°	118.1	118.1	118.1	121.3	124.6	127.9	134.5	137.7	150.8	124.6	118.1
87.5°	36.1	39.4	42.6	49.2	59.0	62.3	65.6	59.0	59.0	55.7	52.5
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)