

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: P842584

Luminaire Tested: **ARCH4-70-722-U-5WQ**

Issue Date: 5/27/2024

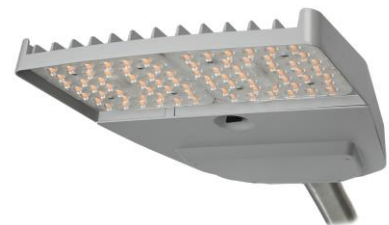
Test Information

Test Method: LM-79-08
Report Number: P842584
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: ARCH4-70-722-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 605mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

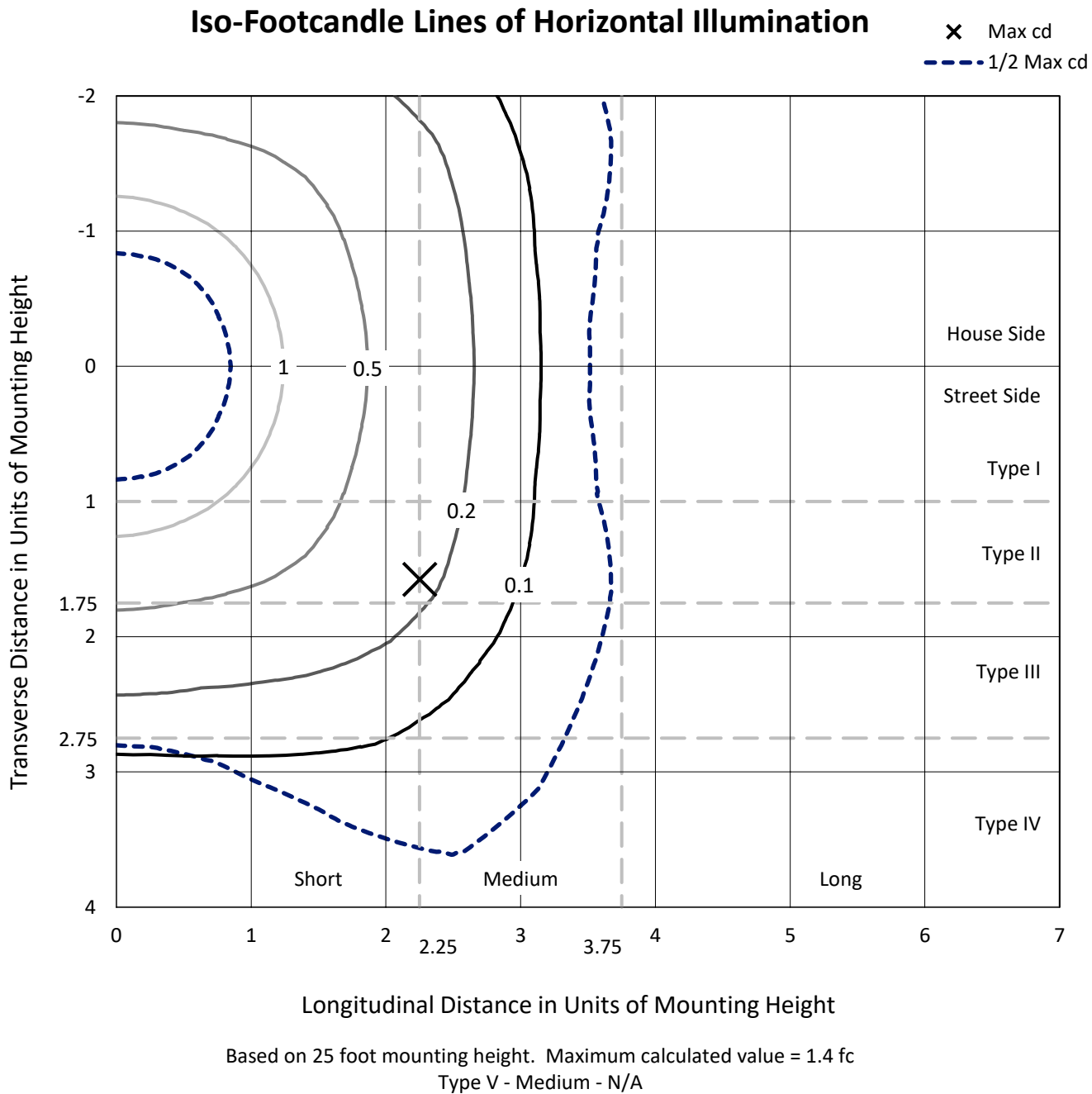
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11038 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G2

Input Watts (W): 73.8
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

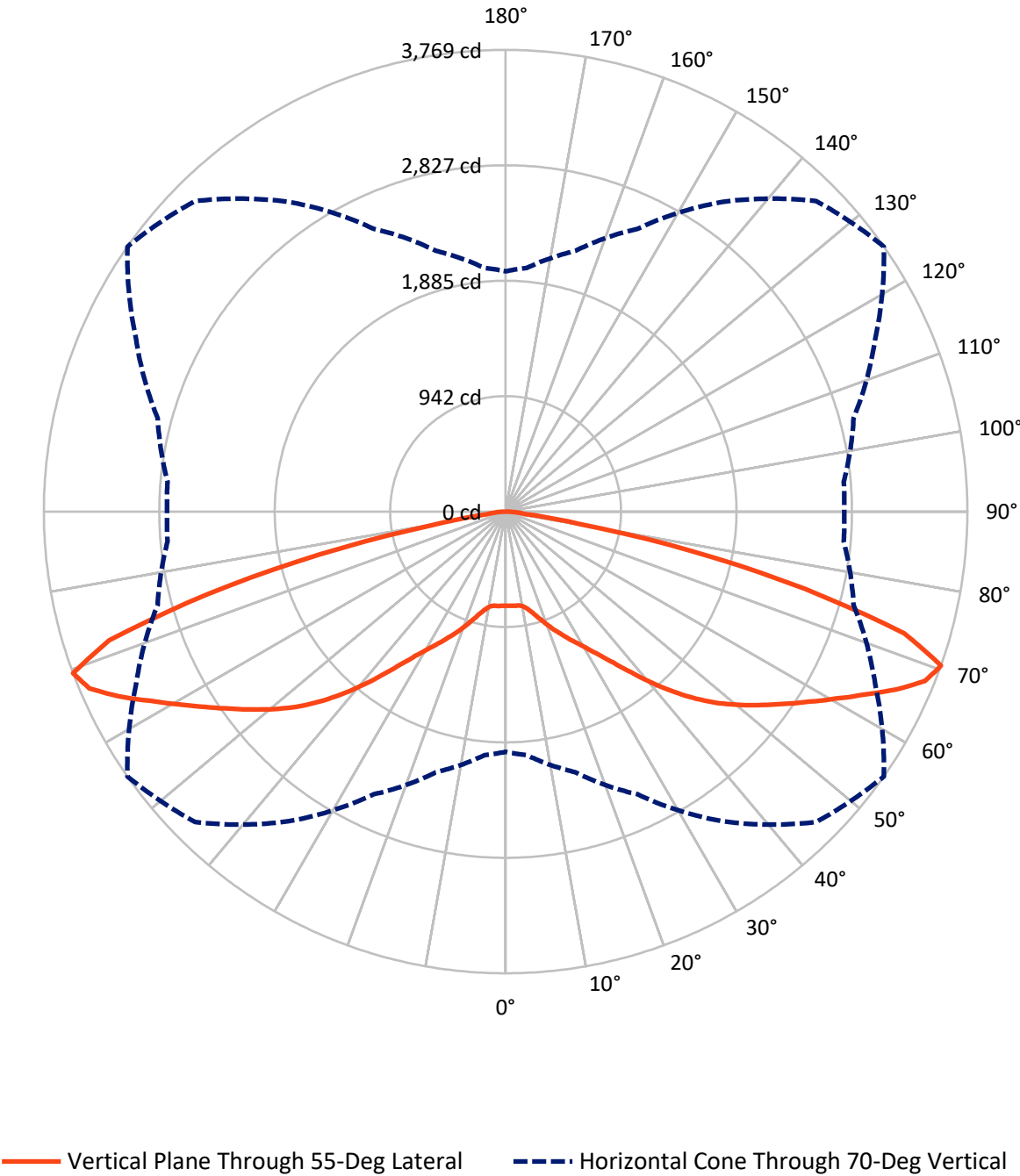


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Luminous Intensity Polar Plot



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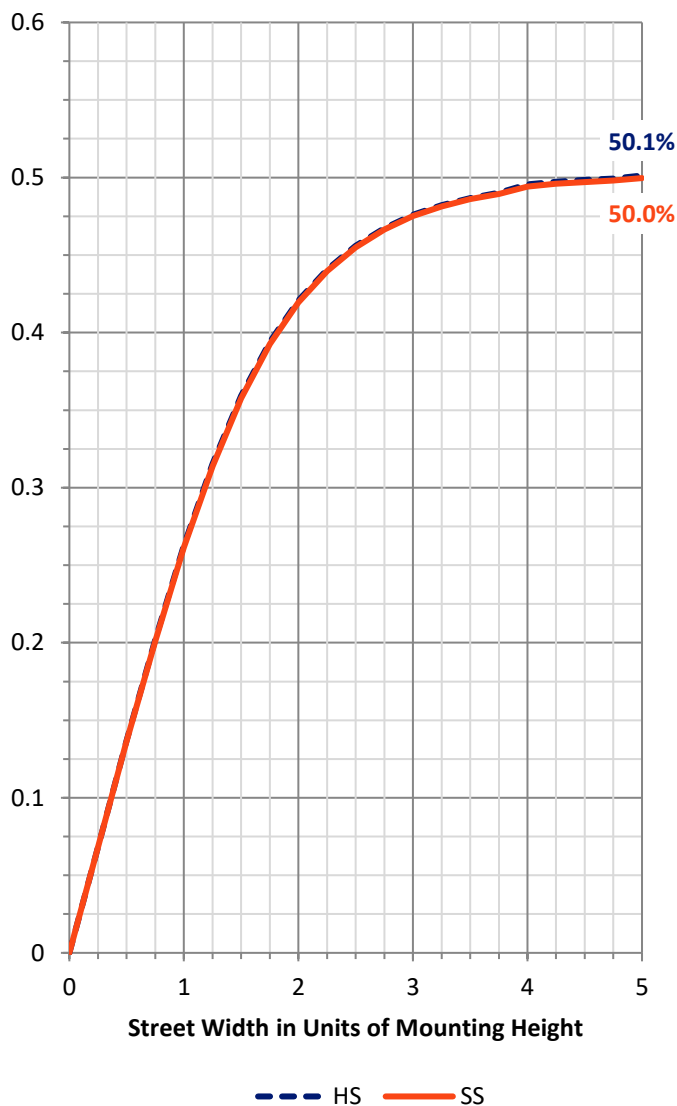
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5519.0	0.0	5519.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5519.0	0.0	5519.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11038.0	0.0	11038.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	0.7
10°-20°	252.8	2.3
20°-30°	525.3	4.8
30°-40°	970.2	8.8
40°-50°	1704.5	15.4
50°-60°	2458.3	22.3
60°-70°	3008.6	27.3
70°-80°	1914.5	17.3
80°-90°	129.5	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°	11038.0	100.0
0°-180°	11038.0	100.0

Coefficient of Utilization



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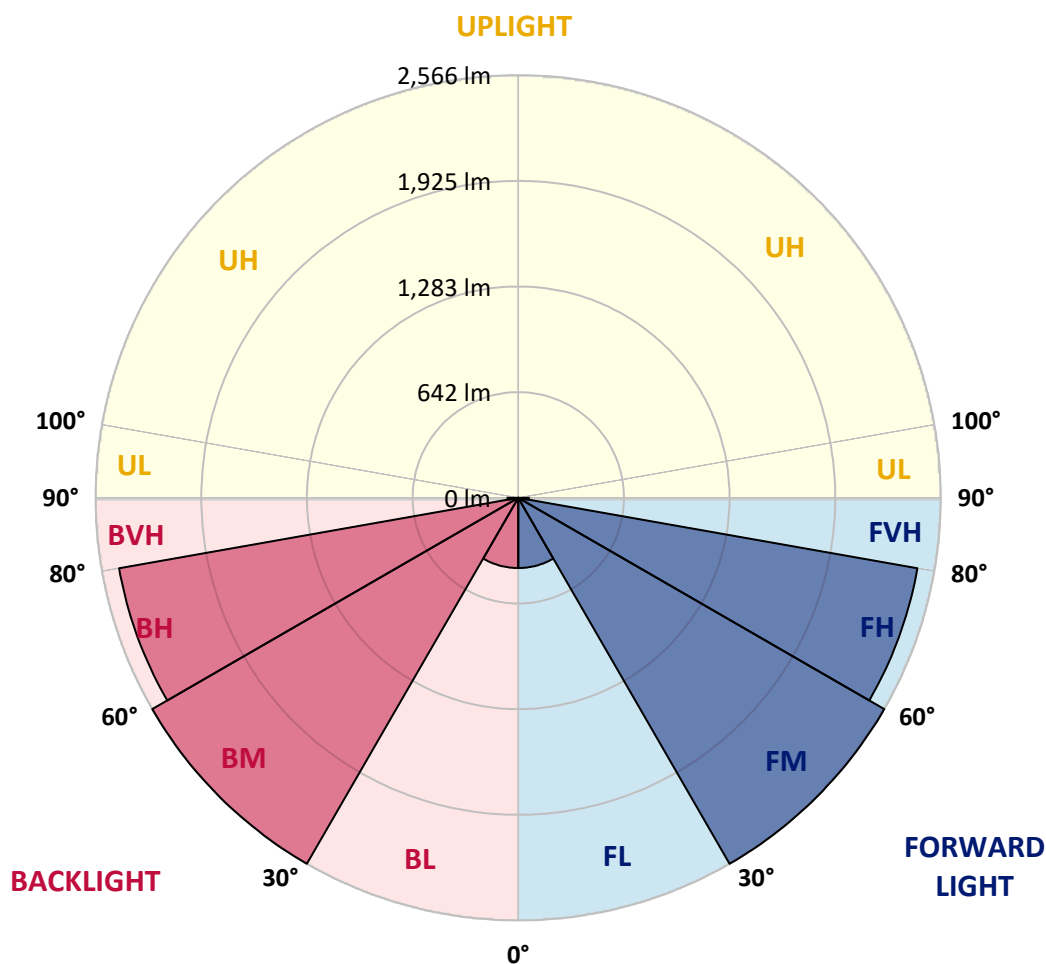
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	426.2	3.9			
FM	(30°-60°)	2566.5	23.3			
FH	(60°-80°)	2461.5	22.3			G2/5000
FVH	(80°-90°)	64.8	0.6			G1/100
BL	(0°-30°)	426.2	3.9	B1/500		
BM	(30°-60°)	2566.5	23.3	B3/5000		
BH	(60°-80°)	2461.5	22.3	B3/2500		G2/5000
BVH	(80°-90°)	64.8	0.6			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	769.5	769.5	769.5	769.5	769.5	769.5	769.5	769.5	769.5	769.5	769.5
2.5°	779.7	779.7	777.7	777.7	773.6	771.5	769.5	769.5	767.4	767.4	765.3
5°	783.8	783.8	783.8	781.8	779.7	777.7	773.6	769.5	767.4	765.3	763.3
7.5°	785.9	785.9	783.8	783.8	781.8	779.7	773.6	767.4	765.3	763.3	763.3
10°	802.3	800.2	798.2	794.1	794.1	794.1	785.9	779.7	777.7	777.7	777.7
12.5°	841.3	839.2	835.1	829.0	829.0	831.0	818.7	810.5	810.5	808.4	808.4
15°	898.7	896.7	892.6	882.3	880.3	884.4	865.9	857.7	857.7	857.7	855.6
17.5°	962.3	958.2	952.1	943.9	943.9	943.9	925.4	915.1	909.0	909.0	906.9
20°	1015.7	1013.6	1013.6	1011.6	1017.7	1017.7	993.1	976.7	962.3	954.1	952.1
22.5°	1062.9	1060.8	1064.9	1073.1	1085.4	1089.5	1060.8	1036.2	1013.6	997.2	993.1
25°	1126.5	1124.4	1122.4	1134.7	1155.2	1161.4	1130.6	1099.8	1077.2	1069.0	1064.9
27.5°	1194.2	1196.2	1198.3	1210.6	1227.0	1237.3	1206.5	1177.8	1159.3	1147.0	1142.9
30°	1270.1	1274.2	1280.4	1298.8	1311.1	1315.3	1288.6	1268.1	1251.6	1241.4	1235.2
32.5°	1366.5	1374.8	1383.0	1399.4	1405.5	1401.4	1389.1	1374.8	1362.4	1348.1	1346.0
35°	1510.2	1518.4	1516.3	1522.5	1524.5	1520.4	1514.3	1506.1	1499.9	1481.5	1479.4
37.5°	1690.7	1699.0	1686.6	1680.5	1666.1	1668.2	1666.1	1672.3	1674.3	1655.9	1653.8
40°	1873.4	1881.6	1865.2	1848.7	1834.4	1828.2	1838.5	1859.0	1859.0	1846.7	1846.7
42.5°	2068.3	2074.4	2047.8	2027.3	2008.8	2004.7	2010.8	2035.5	2041.6	2039.6	2039.6
45°	2263.2	2259.1	2224.2	2203.7	2187.3	2177.0	2179.1	2197.6	2209.9	2216.0	2216.0
47.5°	2413.0	2406.8	2378.1	2361.7	2351.4	2337.1	2337.1	2347.3	2353.5	2355.6	2355.6
50°	2532.0	2525.9	2497.1	2495.1	2495.1	2488.9	2482.8	2480.7	2476.6	2478.7	2478.7
52.5°	2634.6	2626.4	2605.9	2610.0	2628.5	2632.6	2624.3	2607.9	2591.5	2585.4	2587.4
55°	2745.4	2733.1	2716.7	2729.0	2765.9	2782.3	2770.0	2737.2	2708.5	2690.0	2690.0
57.5°	2833.6	2819.3	2819.3	2854.2	2921.9	2954.7	2928.0	2866.5	2817.2	2796.7	2798.8
60°	2772.1	2759.8	2809.0	2962.9	3090.1	3145.5	3100.4	2991.6	2911.6	2887.0	2891.1
62.5°	2651.0	2642.8	2704.4	2942.4	3242.0	3356.9	3289.2	3133.2	3014.2	2985.5	2985.5
65°	2472.5	2470.5	2556.6	2850.1	3276.8	3560.0	3502.5	3287.1	3133.2	3094.2	3102.4
67.5°	2287.8	2287.8	2365.8	2692.1	3235.8	3646.2	3691.3	3426.6	3190.7	3094.2	3096.3
70°	1961.6	1996.5	2203.7	2546.4	3086.0	3584.6	3769.3	3328.1	2940.3	2770.0	2763.9
72.5°	1292.7	1337.8	1750.2	2291.9	2938.3	3361.0	3402.0	2923.9	2441.7	2242.7	2232.4
75°	779.7	818.7	1134.7	1789.2	2583.3	2706.4	2525.9	2291.9	1824.1	1668.2	1668.2
77.5°	229.8	256.5	523.2	1134.7	1787.2	1779.0	1557.4	1350.1	1079.3	917.2	929.5
80°	135.4	139.5	170.3	517.1	740.7	779.7	601.2	375.5	375.5	279.1	270.8
82.5°	104.6	104.6	108.7	129.3	178.5	199.0	151.8	129.3	147.7	125.2	119.0
85°	73.9	73.9	73.9	75.9	78.0	80.0	84.1	86.2	94.4	78.0	73.9
87.5°	22.6	24.6	26.7	30.8	36.9	39.0	41.0	36.9	36.9	34.9	32.8
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)