

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: P367818

Luminaire Tested: **PMM-SA3B-730-U-SL4**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-20)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3B-730-U-SL4
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13041 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

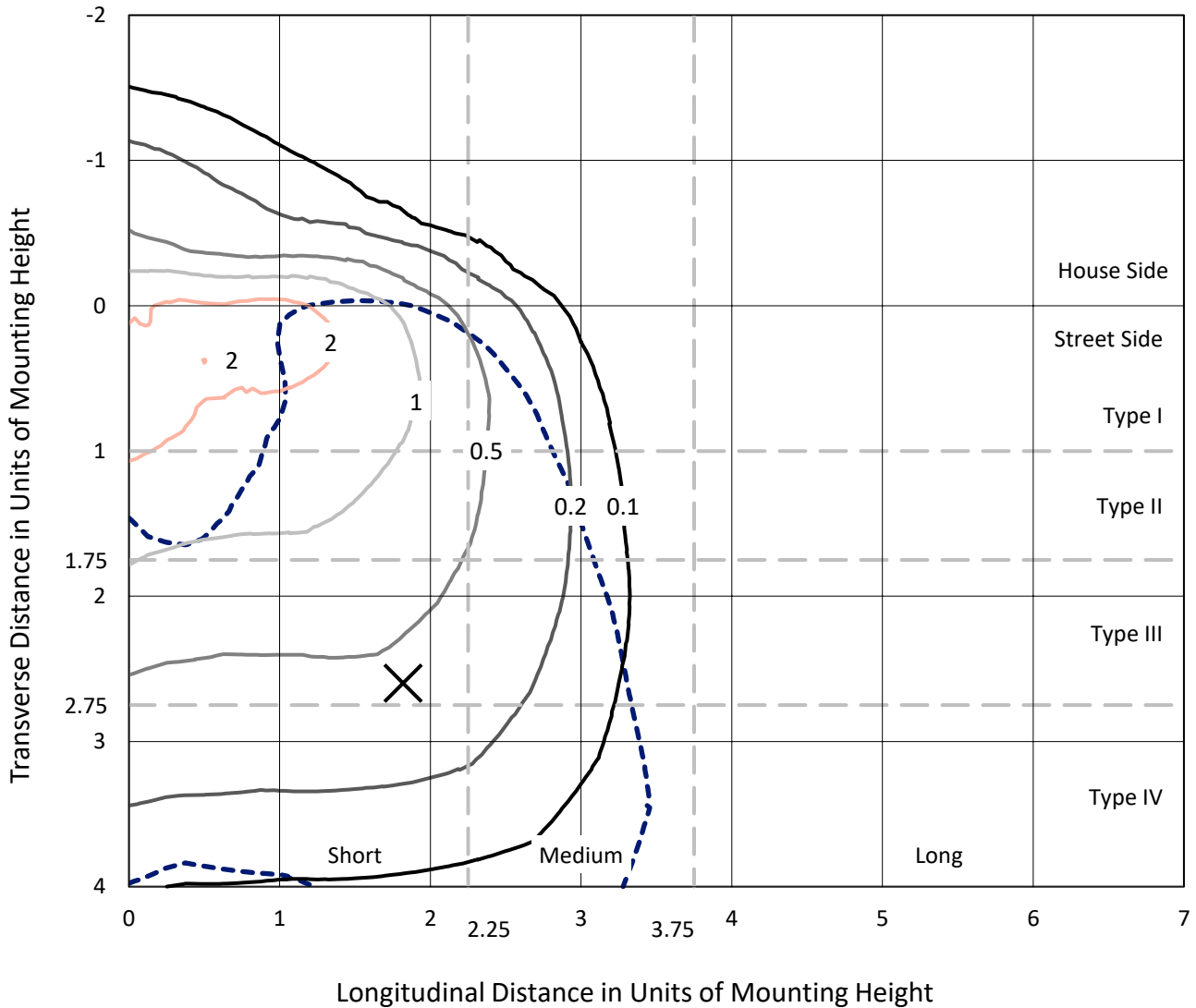
Input Watts (W): 126
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

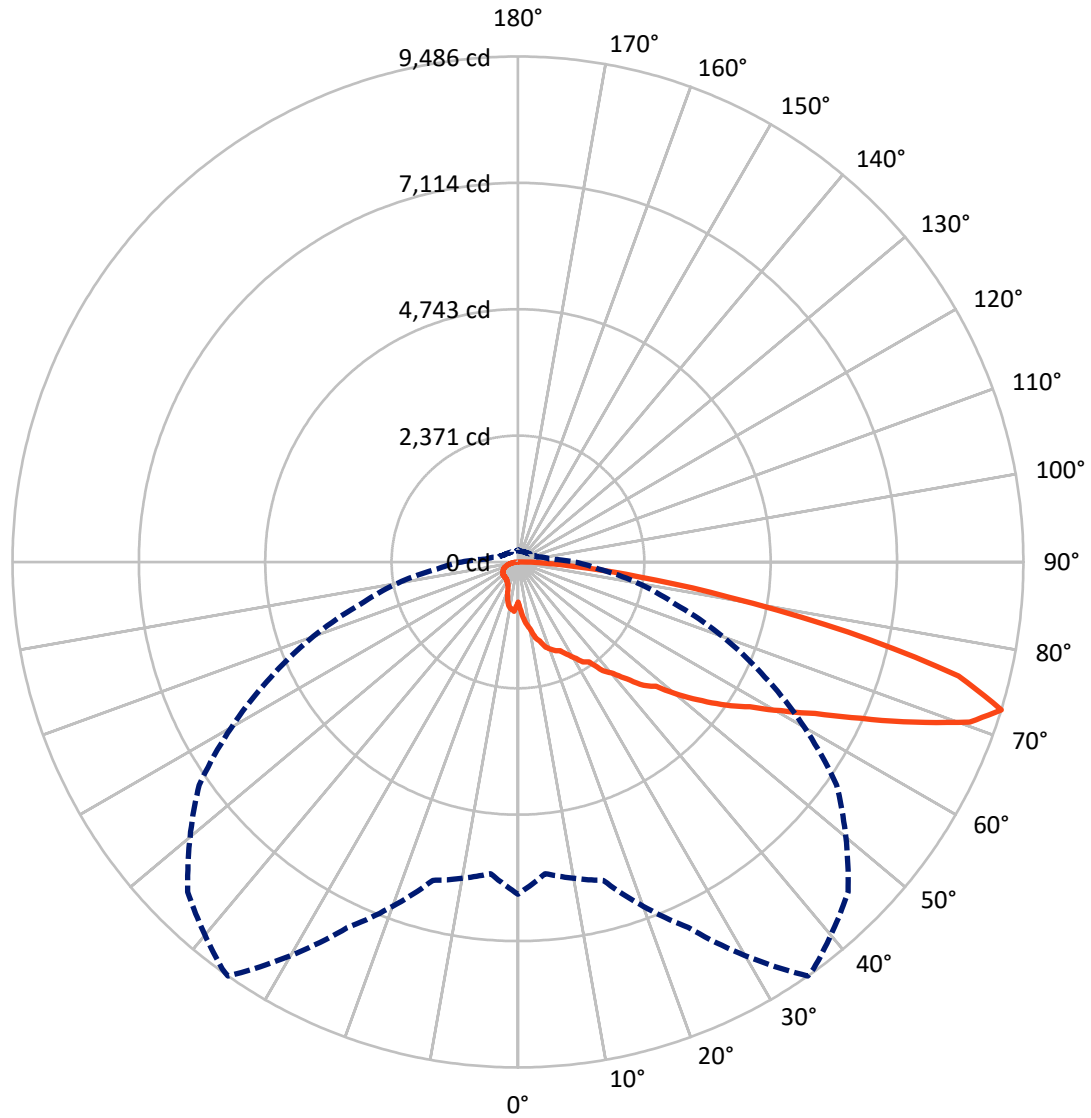
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1750.1	0.0	1750.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	11290.9	0.0	11290.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	13041.0	0.0	13041.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	0.8
10°-20°	352.8	2.7
20°-30°	613.1	4.7
30°-40°	1024.6	7.9
40°-50°	1778.4	13.6
50°-60°	2688.4	20.6
60°-70°	3482.8	26.7
70°-80°	2570.0	19.7
80°-90°	430.7	3.3
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°	13041.0	100.0
0°-180°	13041.0	100.0

Coefficient of Utilization



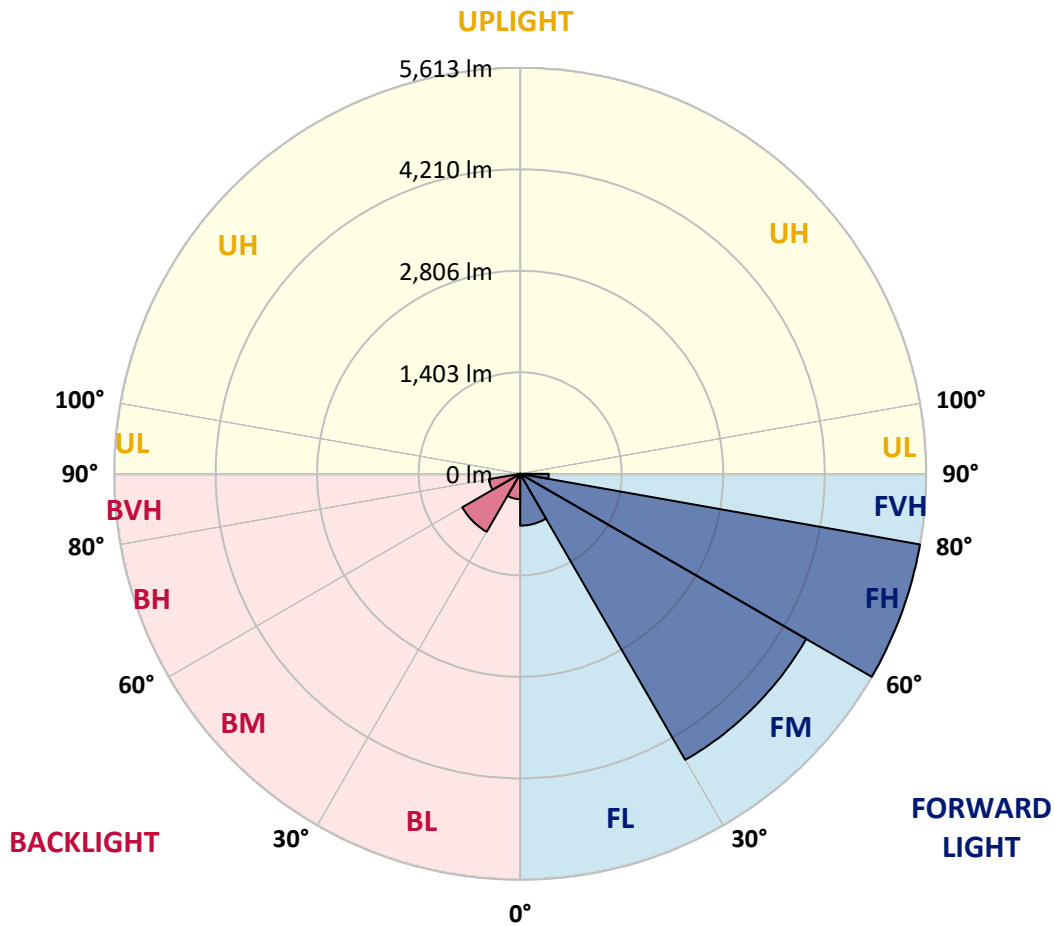
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	716.2	5.5			
FM (30°-60°)	4566.5	35.0			
FH (60°-80°)	5612.7	43.0			G3/7500
FVH (80°-90°)	395.5	3.0			G3/500
BL (0°-30°)	349.8	2.7	B1/500		
BM (30°-60°)	924.9	7.1	B1/1000		
BH (60°-80°)	440.1	3.4	B1/500		G1/500
BVH (80°-90°)	35.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	753.6	753.6	753.6	753.6	753.6	753.6	753.6	753.6	753.6	753.6	753.6
2.5°	940.1	895.0	856.1	854.4	890.6	904.5	898.9	886.7	872.2	841.6	908.4
5°	1177.8	1113.2	1101.0	1086.5	1053.7	1062.6	1009.1	1049.8	1062.6	1092.1	1136.6
7.5°	1318.0	1280.2	1250.7	1238.4	1181.7	1175.0	1135.5	1193.4	1217.9	1214.0	1280.2
10°	1373.1	1338.6	1340.9	1300.8	1282.4	1290.2	1294.7	1295.8	1310.8	1323.1	1289.7
12.5°	1401.5	1414.9	1463.9	1436.6	1460.0	1469.4	1516.2	1468.3	1470.0	1407.1	1441.6
15°	1544.6	1578.0	1549.6	1548.5	1541.2	1556.8	1596.9	1564.6	1589.7	1569.6	1525.1
17.5°	1717.1	1727.1	1672.6	1650.3	1679.3	1674.3	1664.3	1669.3	1606.9	1722.7	1668.1
20°	1770.0	1809.5	1737.7	1650.3	1746.1	1758.9	1756.6	1734.9	1628.1	1795.1	1742.2
22.5°	1923.6	1870.2	1813.4	1757.8	1806.7	1814.0	1801.7	1750.0	1714.3	1777.8	1819.5
25°	1993.2	1980.4	1908.0	1901.4	1847.4	1821.8	1842.9	1827.9	1792.8	1905.8	1859.6
27.5°	2152.4	2137.4	1970.9	2039.4	1960.9	1954.2	1842.4	1892.5	1927.5	1919.2	1988.2
30°	2332.7	2350.0	2106.8	2175.2	2084.5	2072.2	1959.8	2023.3	2047.2	2055.0	2141.3
32.5°	2533.1	2580.4	2338.9	2282.6	2234.2	2242.6	2147.4	2031.6	2124.6	2306.6	2343.9
35°	2750.2	2769.7	2516.4	2431.8	2305.5	2296.6	2298.2	2312.7	2406.8	2614.4	2643.3
37.5°	3151.5	3061.3	2839.2	2625.0	2582.7	2499.7	2555.9	2600.5	2694.5	3012.9	3134.3
40°	3398.6	3331.8	2993.4	2869.3	2752.4	2760.2	2865.4	2864.9	3086.9	3415.3	3600.7
42.5°	3627.4	3554.5	3235.6	3110.9	3000.1	3027.4	3057.4	3110.3	3536.1	4065.5	4150.1
45°	3811.6	3651.9	3422.6	3394.7	3303.5	3267.3	3394.7	3479.3	4073.2	4591.4	4640.4
47.5°	3936.9	3805.5	3581.2	3556.7	3489.4	3577.9	3925.7	3980.3	4489.6	5119.7	5115.8
50°	4127.2	3947.5	3744.8	3732.0	3921.8	3969.2	4393.3	4387.7	4894.8	5558.3	5466.4
52.5°	4346.5	4120.0	3900.1	4037.6	4327.1	4350.4	4718.4	4868.1	5337.3	5981.3	5741.4
55°	4598.7	4345.4	4132.8	4316.5	4747.3	4678.3	5050.6	5416.3	5891.1	6427.1	5940.1
57.5°	4910.9	4603.7	4431.7	4711.1	5130.8	5192.0	5526.5	5986.9	6337.0	6704.3	6084.8
60°	5240.4	4879.8	4722.2	4988.3	5667.9	5738.1	6065.3	6461.1	6836.8	6965.4	6057.5
62.5°	5554.9	5164.8	5022.3	5350.7	6263.5	6437.2	6678.7	6930.9	7252.6	7028.8	5727.5
65°	5905.0	5514.3	5424.7	5917.3	7071.1	7243.7	7559.3	7483.6	7395.1	6804.0	5181.4
67.5°	6275.7	5878.9	5895.6	6574.6	8023.5	8053.0	8537.8	8034.6	7227.5	6208.4	4264.7
70°	6475.0	6068.7	6240.7	7275.4	8992.5	8950.2	9049.3	8182.7	6544.6	4907.6	2939.4
72.5°	6233.4	5871.1	6186.1	7570.4	9485.7	9440.0	8762.1	7303.8	5116.9	3051.9	1524.0
75°	5277.7	4928.2	5410.2	6748.3	8539.5	8581.8	7456.9	5431.4	2929.4	1227.3	632.9
77.5°	3586.2	3405.9	3818.9	5030.1	6343.1	6489.5	5532.7	3176.0	1230.1	508.2	382.9
80°	1895.2	1809.5	2114.5	2897.7	4016.5	4125.6	3253.4	1581.9	630.1	329.0	273.3
82.5°	1029.7	993.5	1157.2	1490.0	2282.1	2377.3	1687.1	1050.9	424.7	205.9	167.0
85°	691.9	677.9	786.5	800.4	1079.3	1110.4	883.9	809.3	254.9	100.7	110.2
87.5°	346.2	332.3	414.1	365.7	411.9	412.4	405.2	516.5	64.6	33.4	20.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	753.6	753.6	753.6	753.6	753.6	753.6	753.6	753.6	753.6	753.6	753.6
2.5°	909.5	890.0	822.7	822.1	832.1	825.4	830.5	803.2	791.5	844.9	842.1
5°	1130.5	1072.0	1015.8	996.3	973.5	924.0	926.7	927.3	919.0	950.7	952.9
7.5°	1260.2	1190.0	1138.3	1034.7	953.5	890.0	898.4	907.8	898.4	940.7	956.2
10°	1279.1	1223.4	1161.6	1046.4	992.4	935.1	877.2	826.0	819.9	800.4	806.5
12.5°	1391.5	1345.3	1216.2	1089.8	1026.9	939.0	833.2	774.8	725.8	734.2	718.6
15°	1483.9	1451.1	1296.3	1131.0	980.7	871.6	759.2	679.1	635.1	630.1	614.5
17.5°	1609.1	1562.4	1303.6	1102.6	921.2	790.4	663.5	572.7	553.8	546.0	538.2
20°	1669.3	1585.2	1277.4	1013.6	851.6	693.5	568.9	490.9	485.4	499.3	496.5
22.5°	1721.6	1604.1	1254.0	959.6	743.1	595.6	504.3	453.1	447.0	464.8	468.1
25°	1752.2	1658.1	1228.4	904.5	675.7	522.7	455.9	426.9	428.0	451.4	448.6
27.5°	1890.2	1677.1	1163.9	839.4	598.4	468.7	432.5	417.5	411.3	443.6	446.4
30°	1977.1	1800.6	1149.4	770.3	541.0	429.1	411.3	405.2	404.1	443.1	445.8
32.5°	2138.5	1841.8	1156.1	695.2	489.3	416.9	395.7	395.2	406.3	443.6	448.1
35°	2362.2	2015.5	1123.8	652.3	460.9	398.0	383.5	388.0	406.9	447.5	453.6
37.5°	2798.6	2179.1	1133.8	612.3	451.4	391.9	380.2	382.9	413.6	457.5	474.2
40°	3144.3	2475.8	1118.2	592.2	438.6	390.7	372.9	384.1	413.0	463.1	478.1
42.5°	3645.2	2712.3	1119.9	572.2	438.0	386.3	371.8	385.2	411.9	458.1	478.7
45°	4074.9	2924.4	1143.8	560.5	432.5	393.5	370.1	386.8	404.7	440.3	463.1
47.5°	4427.2	3161.0	1168.3	549.4	430.3	400.2	368.5	375.2	392.4	420.2	440.8
50°	4714.5	3327.4	1199.5	547.1	430.3	396.9	364.0	363.5	377.9	400.2	419.7
52.5°	4938.2	3444.8	1220.6	549.9	430.3	384.1	358.5	354.0	362.9	379.0	398.5
55°	5100.2	3481.0	1203.4	557.2	429.7	372.4	348.4	344.5	349.0	360.1	378.5
57.5°	5165.3	3385.8	1100.4	544.4	429.7	364.0	336.2	331.7	336.2	344.5	362.9
60°	5002.2	3079.7	951.8	511.5	421.4	352.9	322.3	319.5	326.2	333.4	351.2
62.5°	4593.1	2672.8	793.2	472.6	404.1	343.4	308.9	309.5	320.0	330.1	347.9
65°	3957.5	2180.8	661.2	433.0	382.4	328.4	295.0	298.9	313.9	327.3	345.1
67.5°	3114.2	1615.8	556.6	394.6	351.8	303.9	279.4	280.5	291.1	303.9	321.2
70°	2081.7	1028.1	457.5	349.5	311.7	272.2	255.5	251.6	248.8	259.9	275.0
72.5°	1055.9	607.3	375.7	298.9	268.3	237.7	224.9	214.9	207.1	213.7	225.4
75°	553.3	424.7	303.4	248.2	221.5	202.0	192.6	179.2	173.7	177.6	185.9
77.5°	391.3	332.3	245.5	196.5	180.3	160.3	162.0	148.1	143.6	145.8	154.7
80°	300.6	263.3	188.7	148.6	139.2	119.7	125.2	116.9	111.3	110.2	116.9
82.5°	204.8	198.2	134.1	104.1	97.4	83.5	91.3	87.9	80.7	76.3	79.6
85°	138.0	131.4	81.8	60.1	57.3	43.4	55.7	53.4	47.3	40.6	41.2
87.5°	23.9	44.0	23.4	15.0	13.9	5.0	12.8	12.2	11.1	5.6	4.5
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)