

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: P1210760

Luminaire Tested: **ARCH3-60-750-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-60-750-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7607 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.2
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: 24 FT



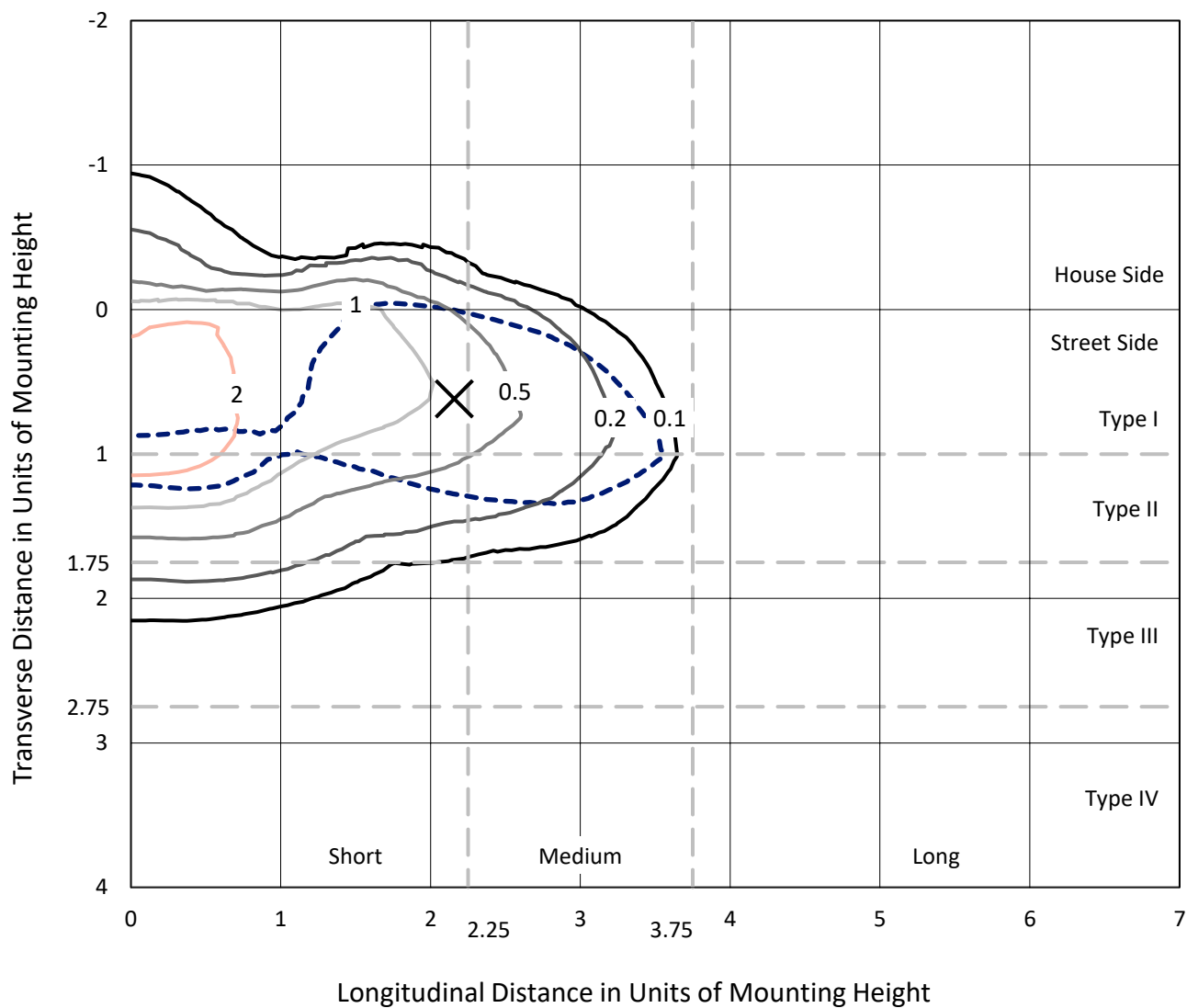
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

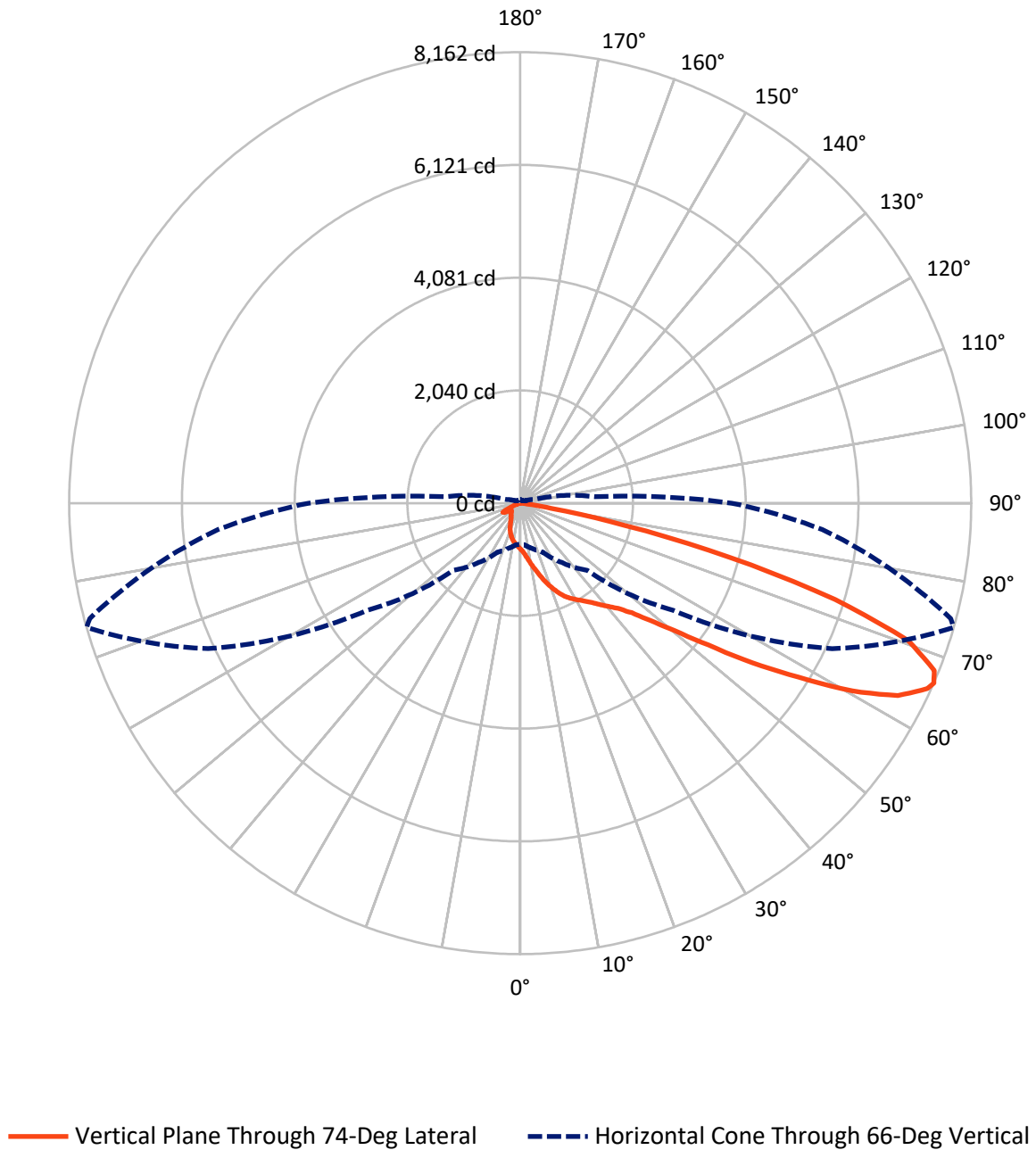
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	745.7	0.0	745.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6861.3	0.0	6861.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	7607.0	0.0	7607.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	1.1
10°-20°	259.8	3.4
20°-30°	495.9	6.5
30°-40°	869.1	11.4
40°-50°	1490.3	19.6
50°-60°	1938.3	25.5
60°-70°	1754.7	23.1
70°-80°	677.0	8.9
80°-90°	40.7	0.5
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°	7607.0	100.0
0°-180°	7607.0	100.0

Coefficient of Utilization



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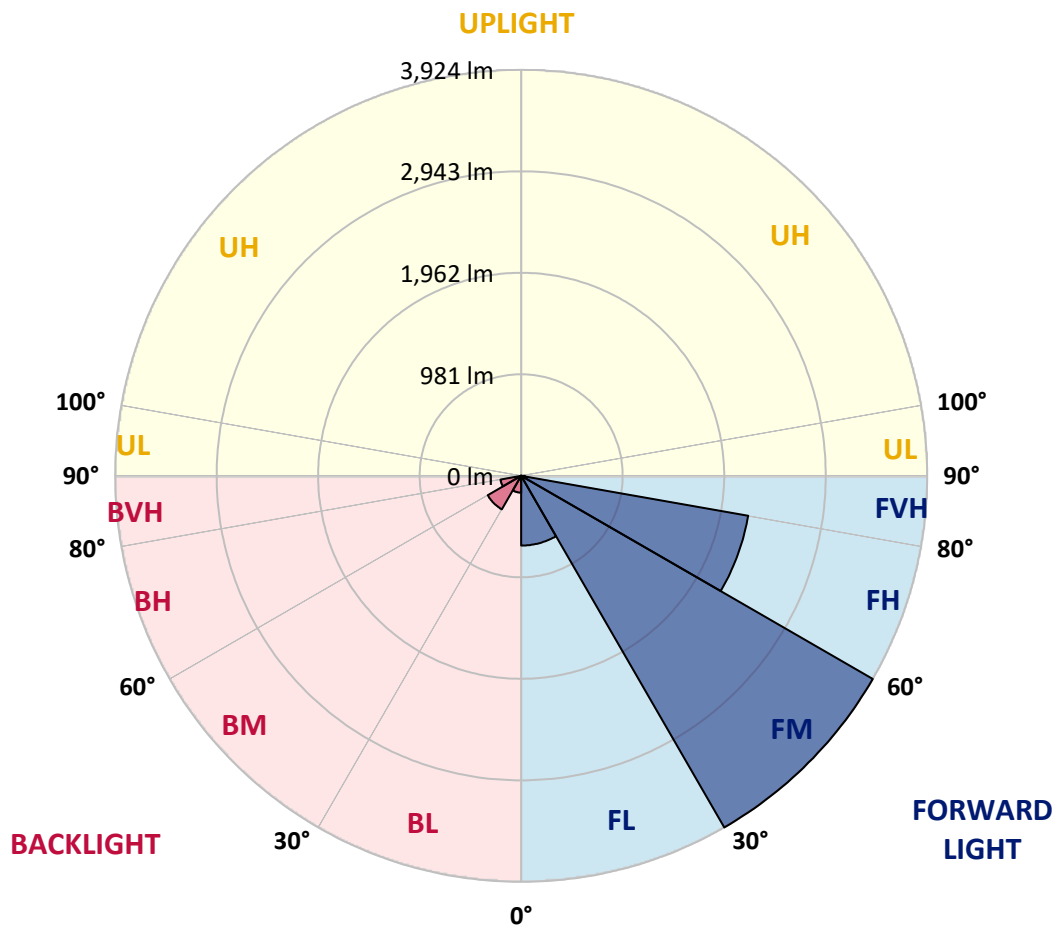
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	674.1	8.9			
FM	(30°-60°)	3924.1	51.6			
FH	(60°-80°)	2227.8	29.3			G2/5000
FVH	(80°-90°)	35.3	0.5			G1/100
BL	(0°-30°)	162.7	2.1	B1/500		
BM	(30°-60°)	373.7	4.9	B1/1000		
BH	(60°-80°)	203.9	2.7	B1/500		G1/500
BVH	(80°-90°)	5.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	830.4	830.4	830.4	830.4	830.4	830.4	830.4	830.4	830.4	830.4	830.4
2.5°	997.0	988.8	973.8	972.4	960.1	945.1	919.1	891.8	872.7	870.0	846.8
5°	1193.7	1189.6	1174.5	1165.0	1141.8	1106.2	1046.2	986.1	935.5	930.1	878.2
7.5°	1245.6	1248.3	1251.0	1260.6	1252.4	1236.0	1190.9	1106.2	1027.0	1014.7	924.6
10°	1253.7	1251.0	1251.0	1263.3	1286.5	1309.7	1304.3	1231.9	1129.5	1114.4	988.8
12.5°	1342.5	1346.6	1337.1	1331.6	1327.5	1339.8	1380.8	1349.4	1237.4	1225.1	1066.6
15°	1457.2	1455.9	1442.2	1442.2	1429.9	1409.4	1435.4	1458.6	1367.1	1352.1	1155.4
17.5°	1540.6	1546.0	1544.7	1552.8	1548.7	1521.4	1507.8	1555.6	1500.9	1481.8	1256.5
20°	1607.5	1622.5	1628.0	1653.9	1666.2	1647.1	1611.6	1641.6	1629.3	1611.6	1358.9
22.5°	1678.5	1690.8	1700.3	1745.4	1779.6	1775.5	1730.4	1723.6	1753.6	1737.2	1460.0
25°	1749.5	1755.0	1783.7	1838.3	1892.9	1906.6	1860.1	1806.9	1865.6	1850.6	1550.1
27.5°	1827.4	1830.1	1864.2	1931.2	2007.6	2036.3	1999.4	1901.1	1951.6	1951.6	1632.1
30°	1969.4	1996.7	2010.4	2070.5	2137.4	2177.0	2133.3	2000.8	2028.1	2040.4	1718.1
32.5°	2275.3	2279.4	2275.3	2301.3	2314.9	2338.1	2287.6	2112.8	2106.0	2119.6	1802.8
35°	2742.4	2726.0	2682.3	2644.1	2564.9	2521.2	2455.6	2256.2	2201.6	2220.7	1886.1
37.5°	3309.2	3286.0	3186.3	3068.8	2899.5	2724.7	2642.7	2431.0	2323.1	2347.7	1976.2
40°	3850.0	3835.0	3716.2	3571.4	3281.9	2982.8	2809.3	2578.5	2458.3	2467.9	2067.7
42.5°	4295.3	4292.5	4192.8	4041.2	3669.7	3261.4	3006.0	2723.3	2600.4	2615.4	2163.3
45°	4632.6	4606.6	4532.9	4423.6	4045.3	3550.9	3243.6	2943.2	2828.4	2846.2	2306.7
47.5°	4632.6	4636.7	4684.5	4673.6	4307.5	3822.7	3503.1	3220.4	3165.8	3182.2	2543.0
50°	4255.6	4293.9	4506.9	4685.9	4444.1	4034.4	3783.1	3567.3	3623.3	3647.9	2955.5
52.5°	3510.0	3574.1	3944.3	4352.6	4343.1	4140.9	4072.6	4008.4	4259.7	4303.4	3564.6
55°	2667.3	2709.6	3191.7	3728.5	3903.3	4053.5	4325.3	4568.4	5102.4	5092.8	4183.3
57.5°	1992.6	2032.2	2447.4	3042.9	3273.7	3675.2	4455.0	5208.9	5938.2	5975.1	4763.7
60°	1465.4	1495.5	1849.2	2338.1	2671.4	3096.1	4403.1	5839.9	6901.1	6858.7	5275.9
62.5°	1084.4	1100.8	1356.2	1674.4	2116.9	2522.5	4076.7	6271.5	7670.0	7584.0	5561.3
65°	838.6	844.0	976.5	1145.9	1539.2	1961.2	3590.5	6337.0	8094.7	8003.2	5555.8
66°	747.1	751.2	848.1	979.2	1309.7	1716.7	3377.5	6231.9	8161.7	8064.7	5487.5
67.5°	626.9	624.1	681.5	767.5	983.3	1324.8	2999.2	5924.6	8082.4	8033.3	5269.0
70°	464.4	465.7	494.4	514.9	575.0	733.4	2166.1	5139.3	7448.7	7446.0	4669.5
72.5°	344.2	348.3	370.1	374.2	359.2	397.4	1248.3	4087.7	5958.7	5960.1	3490.8
75°	258.1	265.0	271.8	274.5	260.9	251.3	564.1	2750.6	3919.7	3891.0	1976.2
77.5°	196.7	199.4	204.9	200.8	198.0	173.4	234.9	1341.2	1935.3	1763.2	640.5
80°	143.4	143.4	148.9	143.4	142.0	124.3	128.4	430.2	568.1	472.5	137.9
82.5°	90.1	88.8	92.9	91.5	88.8	79.2	75.1	120.2	131.1	117.5	66.9
85°	50.5	49.2	47.8	46.4	42.3	35.5	41.0	45.1	60.1	61.5	47.8
87.5°	17.8	17.8	16.4	15.0	12.3	12.3	15.0	15.0	21.9	21.9	24.6
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°	830.4	830.4	830.4	830.4	830.4	830.4	830.4	830.4	830.4	830.4	830.4
2.5°	835.8	820.8	799.0	770.3	749.8	729.3	707.5	695.2	677.4	673.3	678.8
5°	850.9	823.5	768.9	708.8	656.9	610.5	566.8	540.8	514.9	505.3	509.4
7.5°	882.3	835.8	743.0	646.0	560.0	490.3	438.4	408.4	385.1	375.6	378.3
10°	928.7	857.7	718.4	575.0	464.4	390.6	346.9	327.8	314.1	308.7	310.0
12.5°	984.7	889.1	687.0	504.0	382.4	318.2	297.7	293.6	290.9	288.2	289.5
15°	1047.5	916.4	650.1	434.3	318.2	282.7	275.9	274.5	273.1	273.1	273.1
17.5°	1113.1	941.0	609.1	368.7	277.2	260.9	256.8	256.8	256.8	258.1	258.1
20°	1174.5	960.1	561.3	310.0	254.0	240.4	237.6	237.6	239.0	240.4	240.4
22.5°	1234.6	968.3	505.3	269.1	234.9	222.6	218.5	218.5	218.5	219.9	219.9
25°	1286.5	968.3	449.3	243.1	218.5	206.2	200.8	199.4	200.8	200.8	200.8
27.5°	1330.2	964.2	394.7	225.3	202.1	189.8	184.4	183.0	185.7	187.1	187.1
30°	1376.7	958.7	351.0	209.0	188.5	176.2	170.7	170.7	174.8	180.3	180.3
32.5°	1421.7	962.8	316.9	195.3	174.8	165.3	159.8	161.2	169.4	177.5	177.5
35°	1469.5	971.0	296.4	185.7	165.3	155.7	151.6	155.7	163.9	172.1	172.1
37.5°	1517.3	980.6	284.1	177.5	157.1	147.5	144.8	150.2	159.8	168.0	169.4
40°	1567.9	988.8	270.4	169.4	151.6	140.7	139.3	144.8	157.1	165.3	166.6
42.5°	1630.7	1005.2	254.0	162.5	146.1	132.5	133.8	137.9	150.2	162.5	163.9
45°	1753.6	1057.1	237.6	155.7	139.3	128.4	125.6	128.4	142.0	155.7	158.4
47.5°	1984.4	1174.5	219.9	148.9	132.5	125.6	114.7	117.5	129.7	144.8	146.1
50°	2426.9	1424.5	210.3	142.0	127.0	116.1	103.8	103.8	113.4	127.0	127.0
52.5°	3116.6	1872.4	215.8	136.6	120.2	106.5	94.2	92.9	98.3	107.9	107.9
55°	3860.9	2364.1	236.3	131.1	112.0	101.1	87.4	80.6	84.7	90.1	90.1
57.5°	4450.9	2611.3	292.3	128.4	102.4	97.0	79.2	69.7	73.7	79.2	79.2
60°	4710.4	2466.5	355.1	131.1	95.6	90.1	71.0	61.5	68.3	73.7	75.1
62.5°	4500.1	2030.9	381.0	124.3	86.0	80.6	69.7	57.4	65.6	69.7	71.0
65°	4045.3	1543.3	297.7	107.9	79.2	69.7	62.8	54.6	61.5	65.6	65.6
66°	3829.5	1345.3	254.0	99.7	76.5	65.6	60.1	54.6	60.1	62.8	64.2
67.5°	3494.9	1061.2	188.5	87.4	71.0	60.1	56.0	51.9	57.4	60.1	60.1
70°	2732.8	632.3	113.4	68.3	61.5	53.3	50.5	47.8	51.9	53.3	53.3
72.5°	1711.3	300.5	72.4	50.5	51.9	50.5	42.3	45.1	46.4	47.8	47.8
75°	829.0	118.8	49.2	36.9	42.3	47.8	34.1	39.6	41.0	43.7	42.3
77.5°	230.8	57.4	31.4	27.3	36.9	36.9	25.9	31.4	36.9	46.4	42.3
80°	66.9	36.9	20.5	20.5	25.9	25.9	17.8	21.9	24.6	27.3	28.7
82.5°	46.4	24.6	13.7	15.0	15.0	16.4	10.9	10.9	13.7	13.7	15.0
85°	36.9	10.9	8.2	9.6	6.8	8.2	5.5	5.5	6.8	5.5	5.5
87.5°	15.0	5.5	5.5	5.5	4.1	4.1	2.7	1.4	1.4	1.4	1.4
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)