

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: P1210236

Luminaire Tested: **ARCH2-60-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210236
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: ARCH2-60-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6505 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

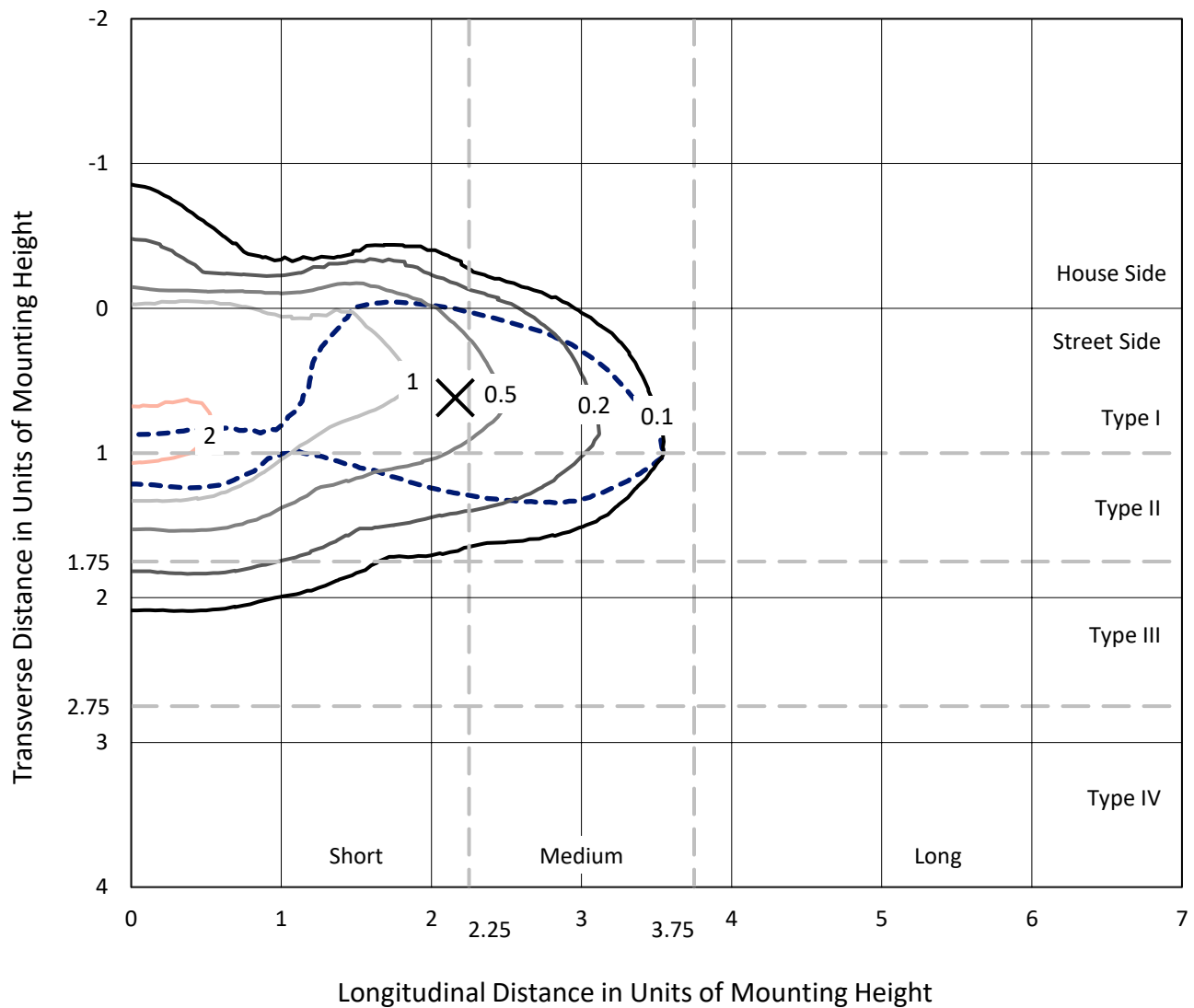
Input Watts (W): 63.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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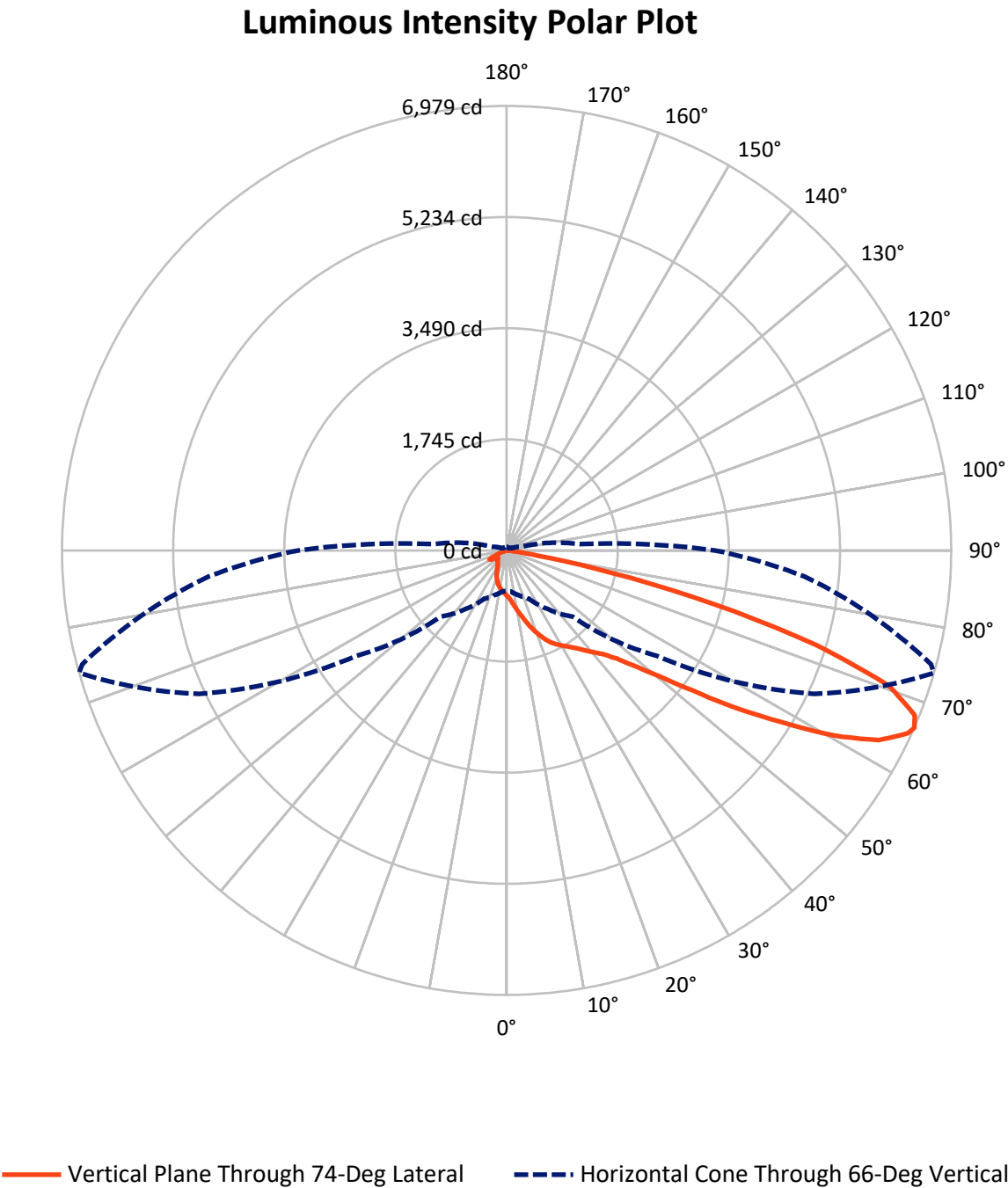
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	637.7	0.0	637.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5867.3	0.0	5867.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	6505.0	0.0	6505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	1.1
10°-20°	222.2	3.4
20°-30°	424.0	6.5
30°-40°	743.2	11.4
40°-50°	1274.4	19.6
50°-60°	1657.5	25.5
60°-70°	1500.5	23.1
70°-80°	579.0	8.9
80°-90°	34.8	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°	6505.0	100.0
0°-180°	6505.0	100.0

Coefficient of Utilization



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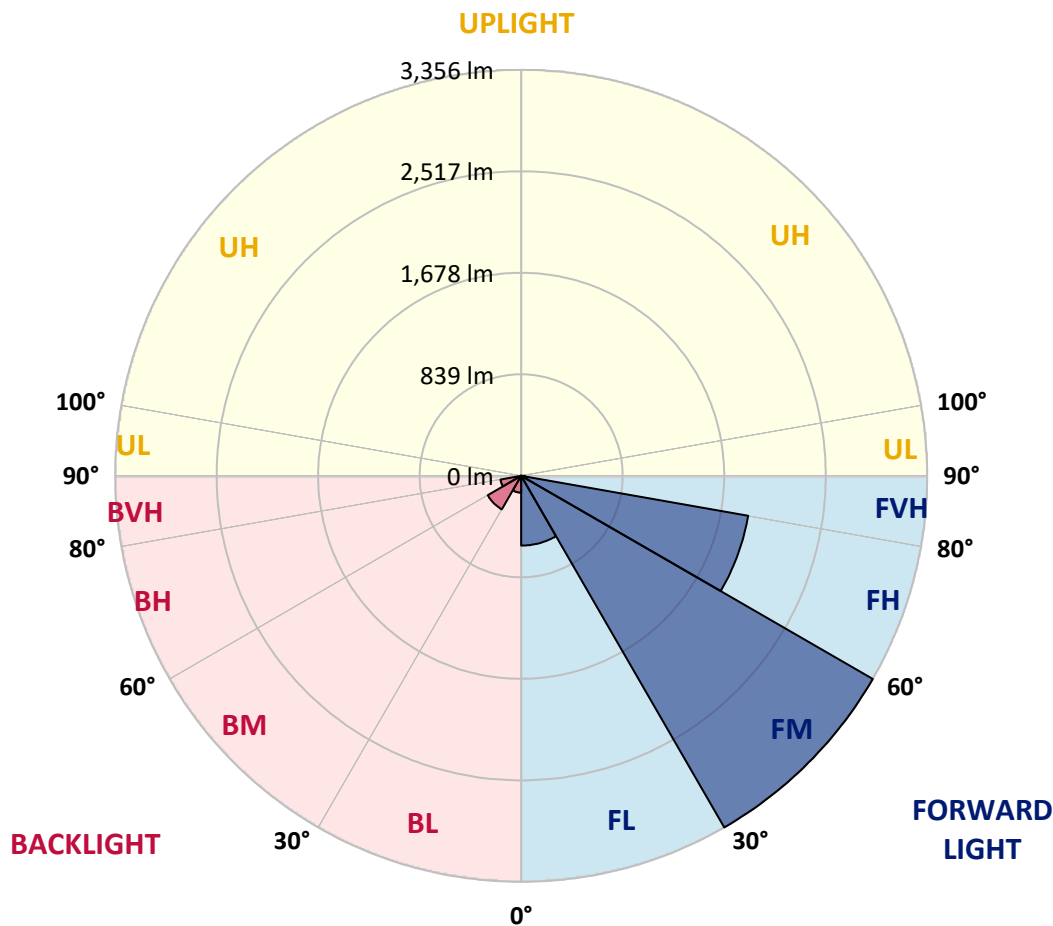
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	576.4	8.9			
FM	(30°-60°)	3355.6	51.6			
FH	(60°-80°)	1905.1	29.3			G2/5000
FVH	(80°-90°)	30.2	0.5			G1/100
BL	(0°-30°)	139.1	2.1	B1/500		
BM	(30°-60°)	319.6	4.9	B1/1000		
BH	(60°-80°)	174.3	2.7	B1/500		G1/500
BVH	(80°-90°)	4.7	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°	710.1	710.1	710.1	710.1	710.1	710.1	710.1	710.1	710.1	710.1	710.1
2.5°	852.6	845.6	832.7	831.5	821.0	808.2	786.0	762.6	746.3	743.9	724.1
5°	1020.7	1017.2	1004.4	996.2	976.4	946.0	894.6	843.2	800.0	795.3	751.0
7.5°	1065.1	1067.5	1069.8	1078.0	1071.0	1056.9	1018.4	946.0	878.3	867.7	790.7
10°	1072.1	1069.8	1069.8	1080.3	1100.2	1120.0	1115.3	1053.4	965.8	953.0	845.6
12.5°	1148.0	1151.5	1143.4	1138.7	1135.2	1145.7	1180.7	1153.9	1058.1	1047.6	912.1
15°	1246.1	1245.0	1233.3	1233.3	1222.8	1205.3	1227.5	1247.3	1169.1	1156.2	988.0
17.5°	1317.4	1322.1	1320.9	1327.9	1324.4	1301.0	1289.4	1330.2	1283.5	1267.2	1074.5
20°	1374.6	1387.5	1392.1	1414.3	1424.8	1408.5	1378.1	1403.8	1393.3	1378.1	1162.1
22.5°	1435.3	1445.8	1454.0	1492.6	1521.8	1518.3	1479.7	1473.9	1499.6	1485.6	1248.5
25°	1496.1	1500.7	1525.3	1572.0	1618.7	1630.4	1590.7	1545.1	1595.3	1582.5	1325.6
27.5°	1562.6	1565.0	1594.2	1651.4	1716.8	1741.3	1709.8	1625.7	1668.9	1668.9	1395.6
30°	1684.1	1707.5	1719.1	1770.5	1827.7	1861.6	1824.2	1711.0	1734.3	1744.8	1469.2
32.5°	1945.7	1949.2	1945.7	1967.9	1979.6	1999.4	1956.2	1806.7	1800.9	1812.6	1541.6
35°	2345.1	2331.1	2293.7	2261.0	2193.3	2155.9	2099.9	1929.4	1882.6	1899.0	1612.9
37.5°	2829.8	2809.9	2724.7	2624.2	2479.4	2329.9	2259.9	2078.8	1986.6	2007.6	1689.9
40°	3292.3	3279.4	3177.8	3054.0	2806.4	2550.7	2402.3	2205.0	2102.2	2110.4	1768.2
42.5°	3673.0	3670.7	3585.4	3455.8	3138.1	2788.9	2570.5	2328.8	2223.7	2236.5	1849.9
45°	3961.5	3939.3	3876.2	3782.8	3459.3	3036.5	2773.7	2516.8	2418.7	2433.9	1972.6
47.5°	3961.5	3965.0	4005.9	3996.5	3683.5	3268.9	2995.6	2753.9	2707.2	2721.2	2174.6
50°	3639.1	3671.8	3854.0	4007.0	3800.3	3449.9	3235.1	3050.5	3098.4	3119.4	2527.3
52.5°	3001.5	3056.4	3372.9	3722.1	3713.9	3541.0	3482.6	3427.8	3642.6	3680.0	3048.2
55°	2280.9	2317.1	2729.4	3188.3	3337.8	3466.3	3698.7	3906.6	4363.2	4355.1	3577.2
57.5°	1704.0	1737.8	2092.9	2602.1	2799.4	3142.8	3809.7	4454.3	5078.0	5109.5	4073.6
60°	1253.1	1278.8	1581.3	1999.4	2284.4	2647.6	3765.3	4993.9	5901.3	5865.1	4511.6
62.5°	927.3	941.3	1159.7	1431.8	1810.2	2157.1	3486.2	5362.9	6558.9	6485.3	4755.6
65°	717.1	721.8	835.0	979.9	1316.2	1677.1	3070.4	5419.0	6922.1	6843.8	4751.0
66°	638.8	642.3	725.3	837.4	1120.0	1468.0	2888.2	5329.1	6979.3	6896.4	4692.6
67.5°	536.1	533.7	582.8	656.4	840.9	1132.9	2564.7	5066.3	6911.6	6869.5	4505.7
70°	397.1	398.3	422.8	440.3	491.7	627.2	1852.3	4394.8	6369.7	6367.3	3993.0
72.5°	294.3	297.8	316.5	320.0	307.2	339.9	1067.5	3495.5	5095.5	5096.7	2985.1
75°	220.7	226.6	232.4	234.7	223.1	214.9	482.3	2352.1	3351.8	3327.3	1689.9
77.5°	168.2	170.5	175.2	171.7	169.3	148.3	200.9	1146.9	1654.9	1507.7	547.7
80°	122.6	122.6	127.3	122.6	121.5	106.3	109.8	367.9	485.8	404.1	118.0
82.5°	77.1	75.9	79.4	78.2	75.9	67.7	64.2	102.8	112.1	100.4	57.2
85°	43.2	42.0	40.9	39.7	36.2	30.4	35.0	38.5	51.4	52.6	40.9
87.5°	15.2	15.2	14.0	12.8	10.5	10.5	12.8	12.8	18.7	18.7	21.0
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°	710.1	710.1	710.1	710.1	710.1	710.1	710.1	710.1	710.1	710.1	710.1
2.5°	714.7	701.9	683.2	658.7	641.2	623.7	605.0	594.5	579.3	575.8	580.4
5°	727.6	704.2	657.5	606.1	561.8	522.0	484.7	462.5	440.3	432.1	435.6
7.5°	754.5	714.7	635.3	552.4	478.8	419.3	374.9	349.2	329.3	321.2	323.5
10°	794.2	733.4	614.3	491.7	397.1	334.0	296.6	280.3	268.6	263.9	265.1
12.5°	842.0	760.3	587.4	431.0	327.0	272.1	254.6	251.1	248.8	246.4	247.6
15°	895.8	783.7	555.9	371.4	272.1	241.8	235.9	234.7	233.6	233.6	233.6
17.5°	951.8	804.7	520.9	315.3	237.1	223.1	219.6	219.6	219.6	220.7	220.7
20°	1004.4	821.0	480.0	265.1	217.2	205.5	203.2	203.2	204.4	205.5	205.5
22.5°	1055.8	828.0	432.1	230.1	200.9	190.4	186.9	186.9	186.9	188.0	188.0
25°	1100.2	828.0	384.2	207.9	186.9	176.4	171.7	170.5	171.7	171.7	171.7
27.5°	1137.5	824.5	337.5	192.7	172.8	162.3	157.7	156.5	158.8	160.0	160.0
30°	1177.2	819.9	300.1	178.7	161.2	150.7	146.0	146.0	149.5	154.2	154.2
32.5°	1215.8	823.4	271.0	167.0	149.5	141.3	136.6	137.8	144.8	151.8	151.8
35°	1256.6	830.4	253.4	158.8	141.3	133.1	129.6	133.1	140.1	147.2	147.2
37.5°	1297.5	838.5	242.9	151.8	134.3	126.1	123.8	128.5	136.6	143.7	144.8
40°	1340.7	845.6	231.2	144.8	129.6	120.3	119.1	123.8	134.3	141.3	142.5
42.5°	1394.5	859.6	217.2	139.0	125.0	113.3	114.5	118.0	128.5	139.0	140.1
45°	1499.6	903.9	203.2	133.1	119.1	109.8	107.4	109.8	121.5	133.1	135.5
47.5°	1696.9	1004.4	188.0	127.3	113.3	107.4	98.1	100.4	110.9	123.8	125.0
50°	2075.3	1218.1	179.9	121.5	108.6	99.3	88.8	88.8	96.9	108.6	108.6
52.5°	2665.1	1601.2	184.5	116.8	102.8	91.1	80.6	79.4	84.1	92.3	92.3
55°	3301.6	2021.6	202.0	112.1	95.8	86.4	74.7	68.9	72.4	77.1	77.1
57.5°	3806.2	2233.0	249.9	109.8	87.6	82.9	67.7	59.6	63.1	67.7	67.7
60°	4028.1	2109.2	303.7	112.1	81.8	77.1	60.7	52.6	58.4	63.1	64.2
62.5°	3848.2	1736.7	325.8	106.3	73.6	68.9	59.6	49.1	56.1	59.6	60.7
65°	3459.3	1319.7	254.6	92.3	67.7	59.6	53.7	46.7	52.6	56.1	56.1
66°	3274.8	1150.4	217.2	85.3	65.4	56.1	51.4	46.7	51.4	53.7	54.9
67.5°	2988.6	907.5	161.2	74.7	60.7	51.4	47.9	44.4	49.1	51.4	51.4
70°	2336.9	540.7	96.9	58.4	52.6	45.5	43.2	40.9	44.4	45.5	45.5
72.5°	1463.4	256.9	61.9	43.2	44.4	43.2	36.2	38.5	39.7	40.9	40.9
75°	708.9	101.6	42.0	31.5	36.2	40.9	29.2	33.9	35.0	37.4	36.2
77.5°	197.4	49.1	26.9	23.4	31.5	31.5	22.2	26.9	31.5	39.7	36.2
80°	57.2	31.5	17.5	17.5	22.2	22.2	15.2	18.7	21.0	23.4	24.5
82.5°	39.7	21.0	11.7	12.8	12.8	14.0	9.3	9.3	11.7	11.7	12.8
85°	31.5	9.3	7.0	8.2	5.8	7.0	4.7	4.7	5.8	4.7	4.7
87.5°	12.8	4.7	4.7	4.7	3.5	3.5	2.3	1.2	1.2	1.2	1.2
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)