

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: P1210044

Luminaire Tested: **ARCH1-60-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210044
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: ARCH1-60-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5174 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 60
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

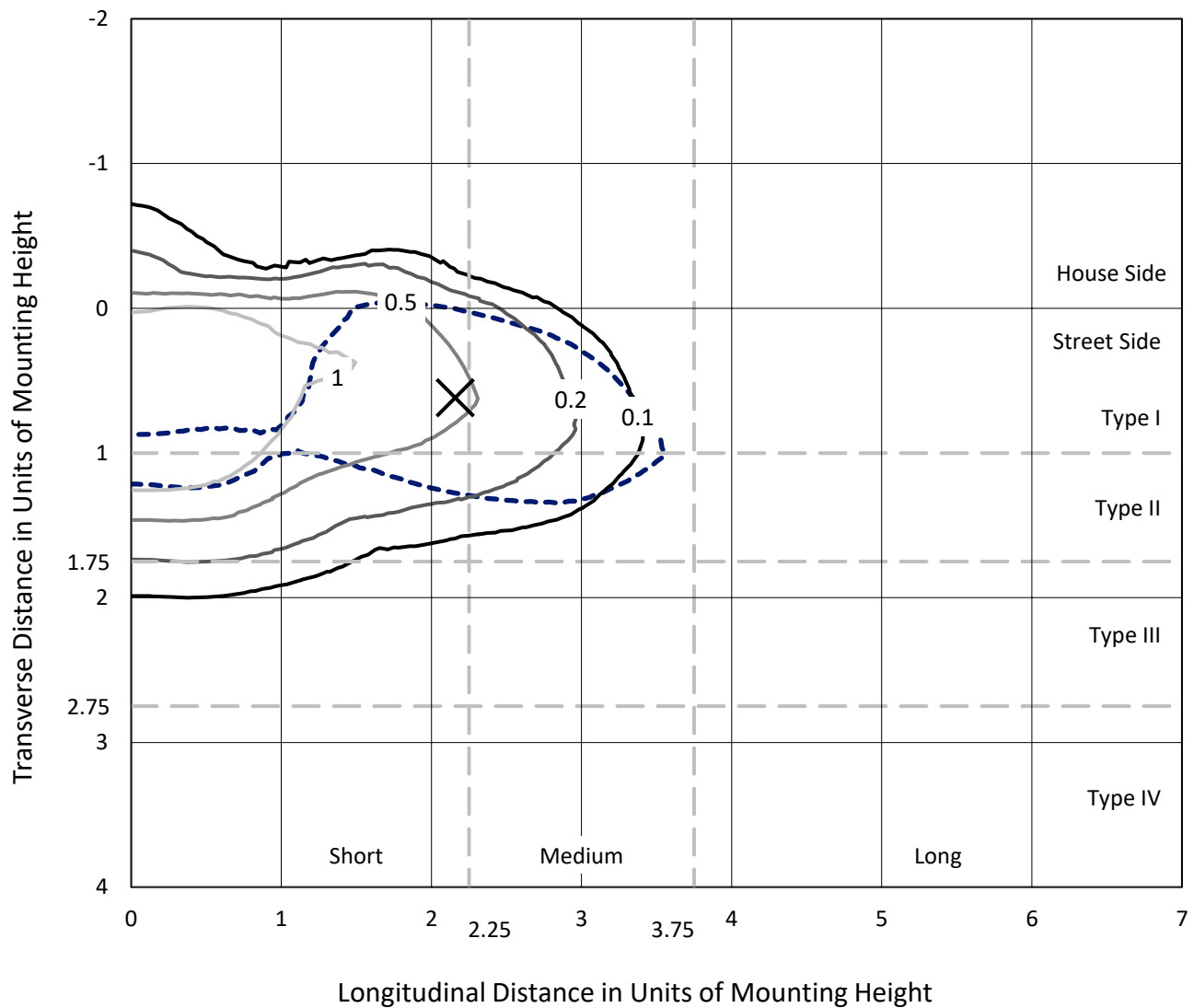


REPORT NUMBER: P1210044

CATALOG NUMBER: ARCH1-60-730-U-T2RE-HSS

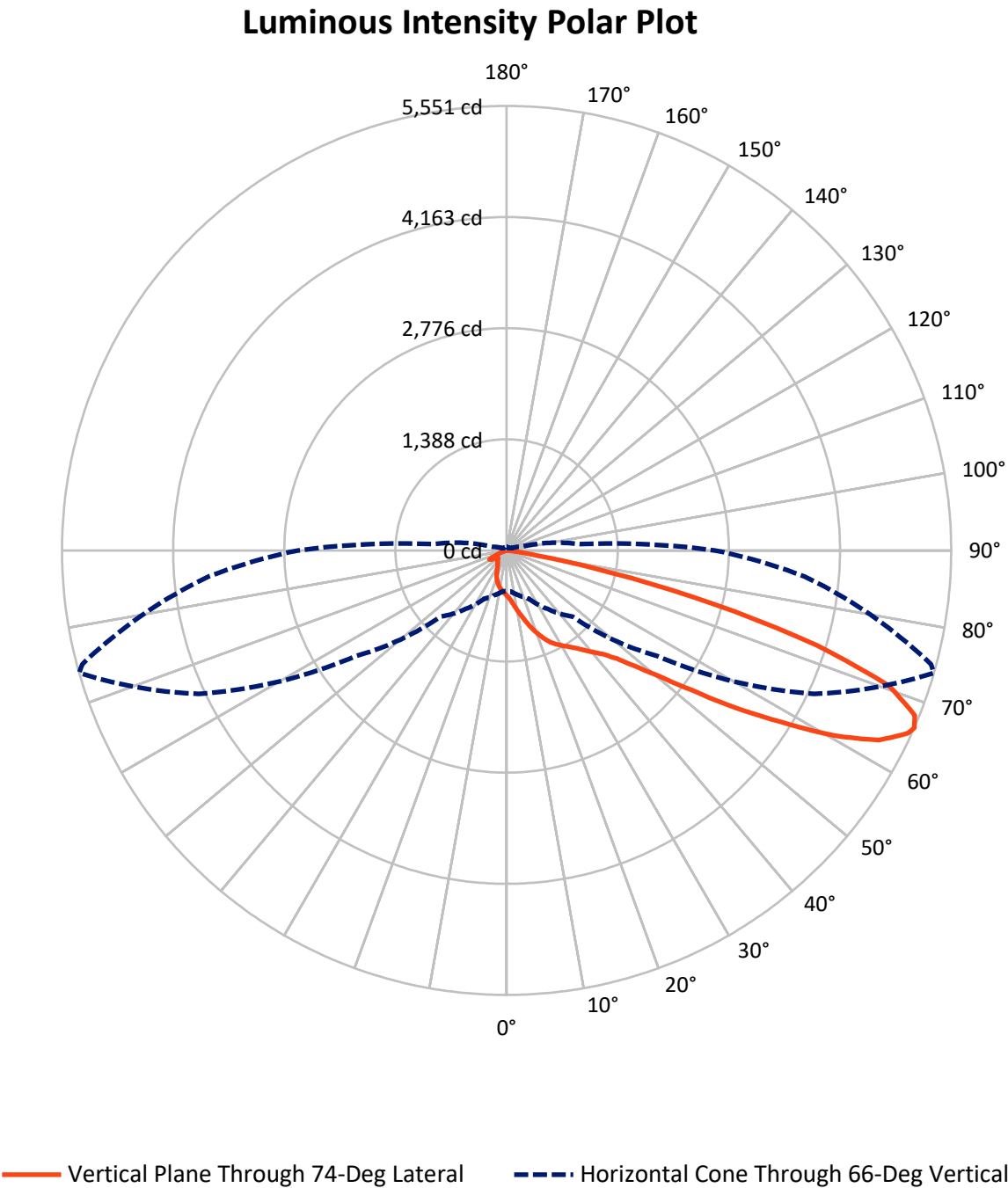
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type II - Short - N/A

REPORT NUMBER: P1210044
CATALOG NUMBER: ARCH1-60-730-U-T2RE-HSS



REPORT NUMBER: P1210044

CATALOG NUMBER: ARCH1-60-730-U-T2RE-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	507.2	0.0	507.2
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	4666.8	0.0	4666.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	5174.0	0.0	5174.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	1.1
10°-20°	176.7	3.4
20°-30°	337.3	6.5
30°-40°	591.2	11.4
40°-50°	1013.7	19.6
50°-60°	1318.4	25.5
60°-70°	1193.5	23.1
70°-80°	460.5	8.9
80°-90°	27.7	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°	5174.0	100.0
0°-180°	5174.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210044

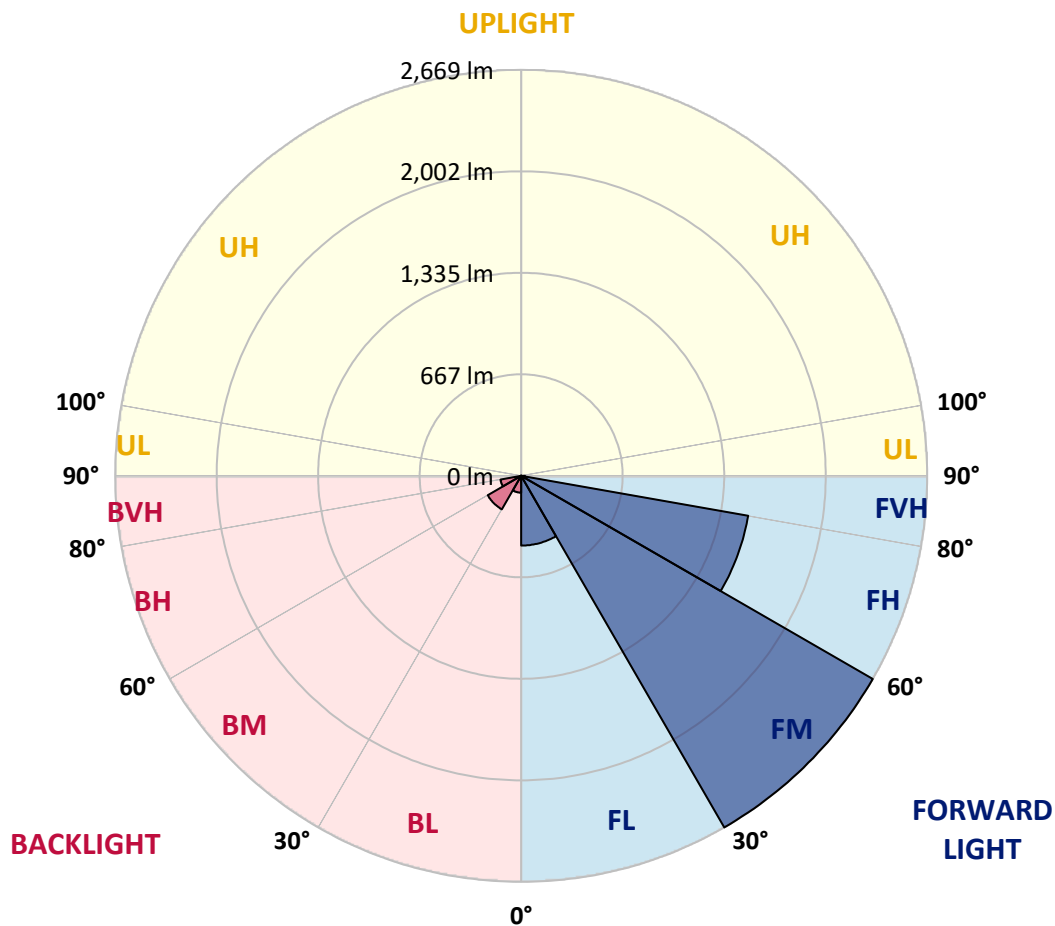
CATALOG NUMBER: ARCH1-60-730-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	458.5	8.9			
FM	(30°-60°)	2669.0	51.6			
FH	(60°-80°)	1515.3	29.3			G1/1800
FVH	(80°-90°)	24.0	0.5			G1/100
BL	(0°-30°)	110.6	2.1	B1/500		
BM	(30°-60°)	254.2	4.9	B1/1000		
BH	(60°-80°)	138.7	2.7	B1/500		G1/500
BVH	(80°-90°)	3.7	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-G1

Type II Short



REPORT NUMBER: P1210044

CATALOG NUMBER: ARCH1-60-730-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	564.8	564.8	564.8	564.8	564.8	564.8	564.8	564.8	564.8	564.8	564.8
2.5°	678.1	672.5	662.3	661.4	653.0	642.8	625.2	606.6	593.6	591.7	575.9
5°	811.9	809.1	798.9	792.4	776.6	752.4	711.6	670.7	636.3	632.6	597.3
7.5°	847.2	849.0	850.9	857.4	851.8	840.7	810.0	752.4	698.6	690.2	628.9
10°	852.8	850.9	850.9	859.3	875.0	890.8	887.1	837.9	768.2	758.0	672.5
12.5°	913.1	915.9	909.4	905.7	902.9	911.3	939.1	917.8	841.6	833.2	725.5
15°	991.2	990.2	980.9	980.9	972.6	958.7	976.3	992.1	929.9	919.6	785.9
17.5°	1047.8	1051.5	1050.6	1056.2	1053.4	1034.8	1025.5	1058.0	1020.9	1007.9	854.6
20°	1093.3	1103.6	1107.3	1124.9	1133.3	1120.3	1096.1	1116.6	1108.2	1096.1	924.3
22.5°	1141.6	1150.0	1156.5	1187.2	1210.4	1207.6	1176.9	1172.3	1192.7	1181.6	993.0
25°	1190.0	1193.7	1213.2	1250.3	1287.5	1296.8	1265.2	1229.0	1268.9	1258.7	1054.3
27.5°	1242.9	1244.8	1268.0	1313.5	1365.5	1385.0	1359.9	1293.1	1327.4	1327.4	1110.1
30°	1339.5	1358.1	1367.4	1408.3	1453.8	1480.7	1451.0	1360.9	1379.5	1387.8	1168.6
32.5°	1547.6	1550.4	1547.6	1565.2	1574.5	1590.3	1556.0	1437.0	1432.4	1441.7	1226.2
35°	1865.3	1854.1	1824.4	1798.4	1744.5	1714.8	1670.2	1534.6	1497.4	1510.4	1282.8
37.5°	2250.8	2235.0	2167.2	2087.3	1972.1	1853.2	1797.5	1653.5	1580.1	1596.8	1344.2
40°	2618.6	2608.4	2527.6	2429.1	2232.2	2028.8	1910.8	1753.8	1672.1	1678.6	1406.4
42.5°	2921.5	2919.6	2851.8	2748.7	2496.0	2218.3	2044.6	1852.3	1768.7	1778.9	1471.4
45°	3150.9	3133.3	3083.1	3008.8	2751.5	2415.2	2206.2	2001.8	1923.8	1935.9	1569.0
47.5°	3150.9	3153.7	3186.2	3178.8	2929.8	2600.1	2382.7	2190.4	2153.2	2164.4	1729.7
50°	2894.5	2920.5	3065.5	3187.1	3022.7	2744.0	2573.1	2426.4	2464.4	2481.2	2010.2
52.5°	2387.3	2431.0	2682.7	2960.5	2954.0	2816.5	2770.1	2726.4	2897.3	2927.0	2424.5
55°	1814.2	1843.0	2170.9	2536.0	2654.9	2757.1	2941.9	3107.3	3470.5	3464.0	2845.3
57.5°	1355.3	1382.2	1664.6	2069.6	2226.6	2499.7	3030.2	3542.9	4039.0	4064.0	3240.1
60°	996.7	1017.2	1257.8	1590.3	1817.0	2105.9	2994.9	3972.1	4693.9	4665.1	3588.4
62.5°	737.6	748.7	922.4	1138.9	1439.8	1715.7	2772.8	4265.6	5216.8	5158.3	3782.6
65°	570.4	574.1	664.2	779.4	1046.9	1333.9	2442.1	4310.2	5505.7	5443.5	3778.9
66°	508.1	510.9	576.9	666.0	890.8	1167.7	2297.2	4238.7	5551.3	5485.3	3732.4
67.5°	426.4	424.5	463.5	522.1	668.8	901.1	2039.9	4029.7	5497.4	5463.9	3583.8
70°	315.8	316.8	336.3	350.2	391.1	498.8	1473.3	3495.5	5066.4	5064.5	3176.0
72.5°	234.1	236.9	251.7	254.5	244.3	270.3	849.0	2780.3	4052.9	4053.8	2374.3
75°	175.6	180.2	184.9	186.7	177.4	170.9	383.6	1870.9	2666.0	2646.5	1344.2
77.5°	133.8	135.6	139.3	136.6	134.7	118.0	159.8	912.2	1316.3	1199.2	435.7
80°	97.5	97.5	101.3	97.5	96.6	84.5	87.3	292.6	386.4	321.4	93.8
82.5°	61.3	60.4	63.2	62.2	60.4	53.9	51.1	81.7	89.2	79.9	45.5
85°	34.4	33.4	32.5	31.6	28.8	24.2	27.9	30.7	40.9	41.8	32.5
87.5°	12.1	12.1	11.1	10.2	8.4	8.4	10.2	10.2	14.9	14.9	16.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1210044

CATALOG NUMBER: ARCH1-60-730-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	564.8	564.8	564.8	564.8	564.8	564.8	564.8	564.8	564.8	564.8	564.8
2.5°	568.5	558.3	543.4	523.9	510.0	496.0	481.2	472.8	460.7	458.0	461.7
5°	578.7	560.1	523.0	482.1	446.8	415.2	385.5	367.9	350.2	343.7	346.5
7.5°	600.1	568.5	505.3	439.4	380.9	333.5	298.2	277.7	262.0	255.5	257.3
10°	631.7	583.4	488.6	391.1	315.8	265.7	235.9	222.9	213.7	209.9	210.9
12.5°	669.8	604.7	467.2	342.8	260.1	216.4	202.5	199.7	197.9	196.0	196.9
15°	712.5	623.3	442.2	295.4	216.4	192.3	187.6	186.7	185.8	185.8	185.8
17.5°	757.1	640.0	414.3	250.8	188.6	177.4	174.6	174.6	174.6	175.6	175.6
20°	798.9	653.0	381.8	210.9	172.8	163.5	161.6	161.6	162.6	163.5	163.5
22.5°	839.7	658.6	343.7	183.0	159.8	151.4	148.6	148.6	148.6	149.6	149.6
25°	875.0	658.6	305.6	165.3	148.6	140.3	136.6	135.6	136.6	136.6	136.6
27.5°	904.8	655.8	268.5	153.3	137.5	129.1	125.4	124.5	126.3	127.3	127.3
30°	936.4	652.1	238.7	142.1	128.2	119.8	116.1	116.1	118.9	122.6	122.6
32.5°	967.0	654.9	215.5	132.8	118.9	112.4	108.7	109.6	115.2	120.8	120.8
35°	999.5	660.5	201.6	126.3	112.4	105.9	103.1	105.9	111.5	117.0	117.0
37.5°	1032.0	667.0	193.2	120.8	106.8	100.3	98.5	102.2	108.7	114.3	115.2
40°	1066.4	672.5	183.9	115.2	103.1	95.7	94.8	98.5	106.8	112.4	113.3
42.5°	1109.1	683.7	172.8	110.5	99.4	90.1	91.0	93.8	102.2	110.5	111.5
45°	1192.7	719.0	161.6	105.9	94.8	87.3	85.5	87.3	96.6	105.9	107.8
47.5°	1349.7	798.9	149.6	101.3	90.1	85.5	78.0	79.9	88.2	98.5	99.4
50°	1650.7	968.9	143.1	96.6	86.4	79.0	70.6	70.6	77.1	86.4	86.4
52.5°	2119.8	1273.6	146.8	92.9	81.7	72.5	64.1	63.2	66.9	73.4	73.4
55°	2626.1	1608.0	160.7	89.2	76.2	68.7	59.5	54.8	57.6	61.3	61.3
57.5°	3027.4	1776.1	198.8	87.3	69.7	66.0	53.9	47.4	50.2	53.9	53.9
60°	3203.9	1677.6	241.5	89.2	65.0	61.3	48.3	41.8	46.4	50.2	51.1
62.5°	3060.8	1381.3	259.2	84.5	58.5	54.8	47.4	39.0	44.6	47.4	48.3
65°	2751.5	1049.7	202.5	73.4	53.9	47.4	42.7	37.2	41.8	44.6	44.6
66°	2604.7	915.0	172.8	67.8	52.0	44.6	40.9	37.2	40.9	42.7	43.7
67.5°	2377.1	721.8	128.2	59.5	48.3	40.9	38.1	35.3	39.0	40.9	40.9
70°	1858.8	430.1	77.1	46.4	41.8	36.2	34.4	32.5	35.3	36.2	36.2
72.5°	1163.9	204.4	49.2	34.4	35.3	34.4	28.8	30.7	31.6	32.5	32.5
75°	563.9	80.8	33.4	25.1	28.8	32.5	23.2	26.9	27.9	29.7	28.8
77.5°	157.0	39.0	21.4	18.6	25.1	25.1	17.6	21.4	25.1	31.6	28.8
80°	45.5	25.1	13.9	13.9	17.6	17.6	12.1	14.9	16.7	18.6	19.5
82.5°	31.6	16.7	9.3	10.2	10.2	11.1	7.4	7.4	9.3	9.3	10.2
85°	25.1	7.4	5.6	6.5	4.6	5.6	3.7	3.7	4.6	3.7	3.7
87.5°	10.2	3.7	3.7	3.7	2.8	2.8	1.9	0.9	0.9	0.9	0.9
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)