

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: P1211622

Luminaire Tested: **ARCH4-60-740-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-60-740-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7995 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

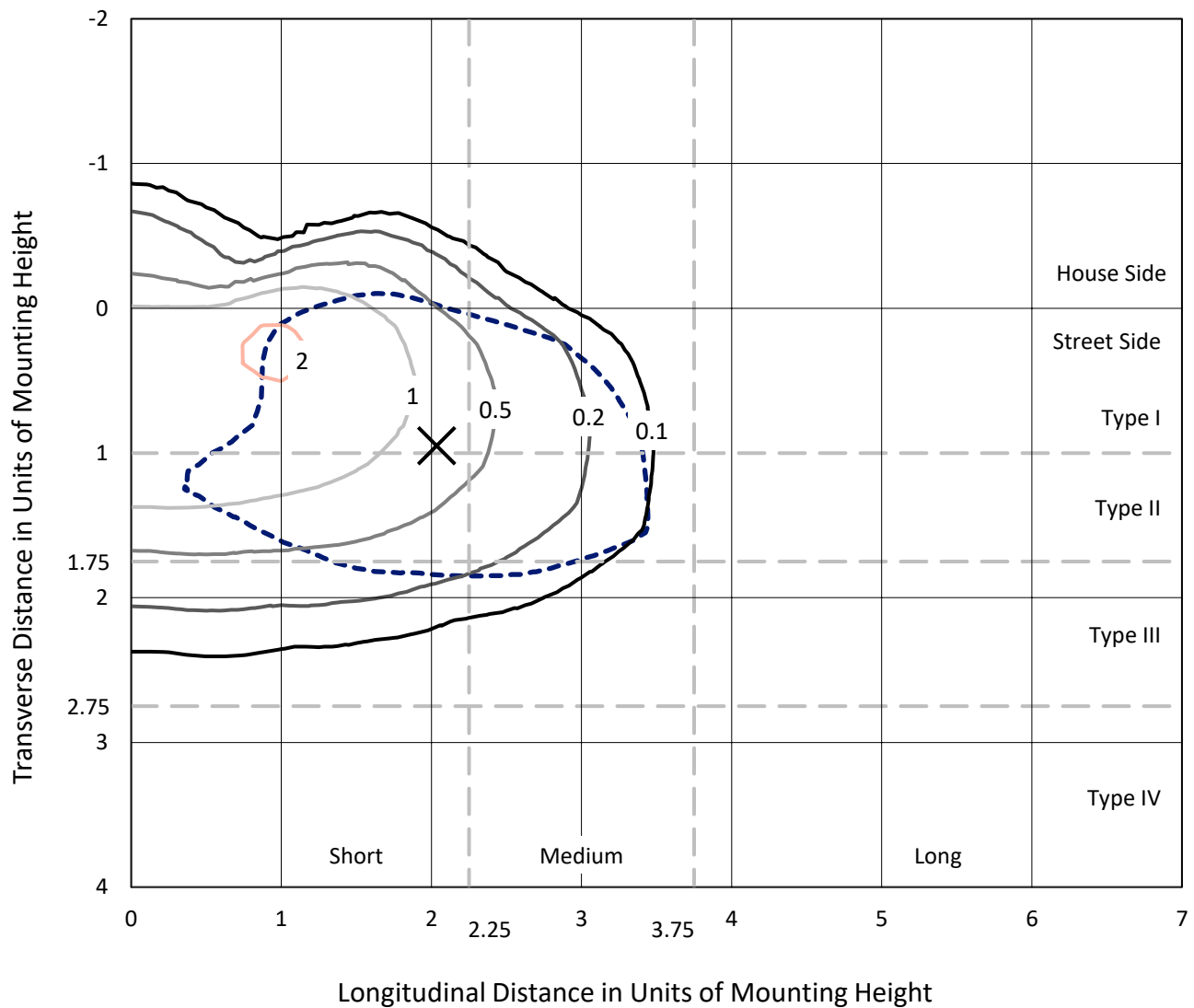
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P1211622
 CATALOG NUMBER: ARCH4-60-740-U-T3RE-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

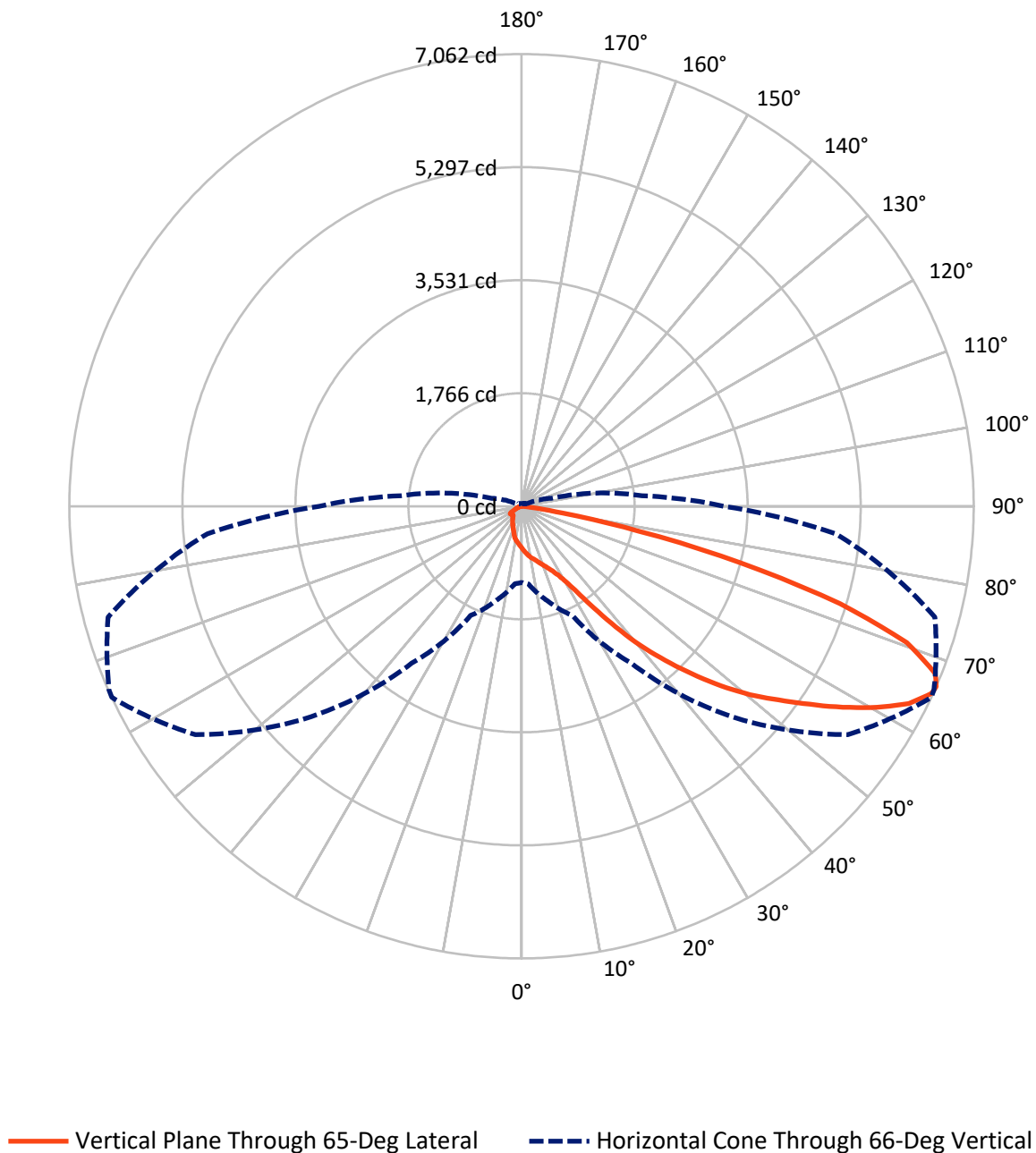


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - N/A

REPORT NUMBER: P1211622

CATALOG NUMBER: ARCH4-60-740-U-T3RE-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1211622

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	943.6	0.0	943.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	7051.4	0.0	7051.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	7995.0	0.0	7995.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	0.8
10°-20°	182.8	2.3
20°-30°	334.6	4.2
30°-40°	679.9	8.5
40°-50°	1435.7	18.0
50°-60°	2207.1	27.6
60°-70°	2221.6	27.8
70°-80°	830.1	10.4
80°-90°	41.5	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°	7995.0	100.0
0°-180°	7995.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211622

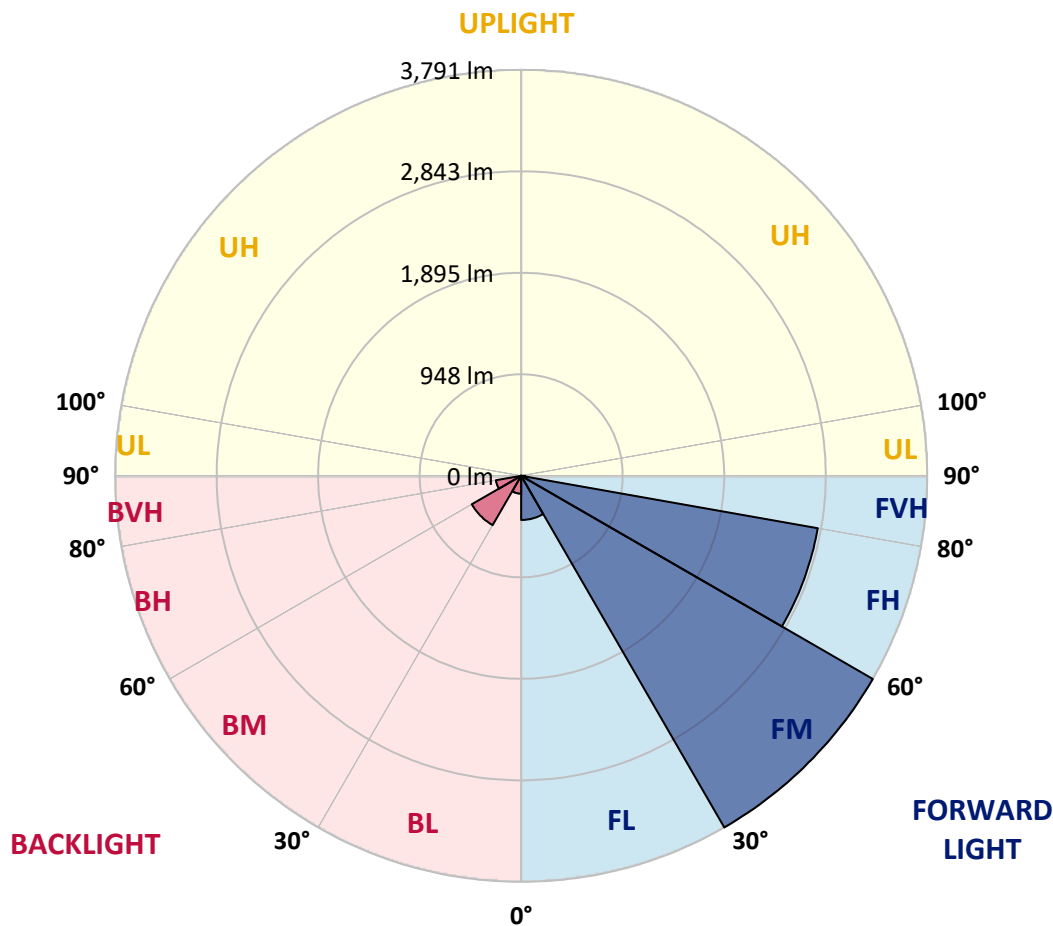
CATALOG NUMBER: ARCH4-60-740-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	412.1	5.2			
FM	(30°-60°)	3790.7	47.4			
FH	(60°-80°)	2812.0	35.2			G2/5000
FVH	(80°-90°)	36.6	0.5			G1/100
BL	(0°-30°)	167.0	2.1	B1/500		
BM	(30°-60°)	532.0	6.7	B1/1000		
BH	(60°-80°)	239.7	3.0	B1/500		G1/500
BVH	(80°-90°)	4.9	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 III Short



REPORT NUMBER: P1211622

CATALOG NUMBER: ARCH4-60-740-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	651.4	651.4	651.4	651.4	651.4	651.4	651.4	651.4	651.4	651.4	651.4
2.5°	742.8	744.2	741.3	735.5	729.7	722.5	710.8	692.0	689.1	676.0	661.5
5°	793.5	796.4	792.1	790.6	787.7	777.6	761.6	734.1	731.2	705.0	671.7
7.5°	810.9	815.3	812.4	812.4	812.4	808.0	800.8	776.1	771.8	738.4	687.6
10°	824.0	826.9	825.5	831.3	835.6	832.7	828.4	813.8	809.5	776.1	709.4
12.5°	844.3	845.8	847.2	850.1	857.4	860.3	858.8	845.8	842.9	819.6	737.0
15°	863.2	863.2	864.6	877.7	887.8	893.6	895.1	884.9	882.0	863.2	771.8
17.5°	880.6	882.0	886.4	900.9	918.3	929.9	937.2	932.8	928.5	913.9	812.4
20°	906.7	909.6	913.9	934.3	951.7	970.5	985.0	983.6	982.1	972.0	860.3
22.5°	951.7	954.6	961.8	980.7	998.1	1021.3	1046.0	1044.5	1040.2	1032.9	916.8
25°	1019.8	1019.8	1024.2	1040.2	1061.9	1089.5	1112.7	1117.0	1112.7	1108.3	987.9
27.5°	1105.4	1106.9	1106.9	1124.3	1144.6	1179.4	1208.4	1212.8	1212.8	1208.4	1083.7
30°	1224.4	1220.0	1217.1	1231.7	1253.4	1304.2	1355.0	1363.7	1359.3	1366.6	1218.6
32.5°	1428.9	1421.7	1397.0	1399.9	1413.0	1482.6	1568.2	1598.7	1597.2	1610.3	1436.2
35°	1711.8	1697.3	1661.1	1630.6	1629.1	1704.6	1835.1	1949.8	1948.3	1993.3	1767.0
37.5°	2031.0	2049.8	1981.7	1929.4	1913.5	1973.0	2141.2	2389.3	2402.4	2480.7	2200.7
40°	2457.5	2469.1	2382.1	2308.1	2232.6	2254.4	2476.4	2862.2	2885.5	2972.5	2634.5
42.5°	2828.9	2840.5	2789.7	2699.8	2604.0	2563.4	2814.4	3291.7	3310.5	3430.9	3081.3
45°	3081.3	3090.0	3107.4	3116.1	3007.3	2923.2	3227.8	3732.7	3755.9	3895.1	3518.0
47.5°	3278.6	3285.9	3320.7	3407.7	3386.0	3319.2	3648.5	4191.1	4196.9	4352.1	3943.0
50°	3370.0	3387.4	3473.0	3606.5	3702.2	3721.1	4105.5	4624.9	4640.8	4788.8	4344.9
52.5°	3268.4	3274.2	3490.4	3741.4	3934.3	4125.8	4563.9	5026.7	5073.1	5183.4	4706.1
55°	2926.1	2968.1	3296.0	3737.0	4117.1	4510.2	5054.3	5460.5	5502.5	5572.2	5023.8
57.5°	2528.6	2575.0	2973.9	3549.9	4195.4	4865.7	5508.3	5921.8	5950.8	5969.7	5315.4
60°	2184.8	2228.3	2638.8	3191.6	4117.1	5116.6	5930.5	6380.2	6404.9	6354.1	5461.9
62.5°	1762.6	1806.1	2219.6	2717.2	3809.6	5167.4	6243.8	6787.9	6798.0	6660.2	5372.0
65°	1328.8	1357.9	1703.1	2129.6	3271.3	4897.6	6314.9	7041.7	7031.6	6748.7	5102.1
66°	1191.0	1215.7	1520.3	1883.0	2991.4	4651.0	6219.2	7062.0	7051.9	6683.4	4925.2
67.5°	1027.1	1034.4	1285.3	1540.7	2502.5	4127.3	5927.6	6969.2	6977.9	6503.5	4601.6
70°	802.2	800.8	945.9	1072.1	1708.9	2936.2	4944.0	6384.6	6426.6	5824.6	3924.2
72.5°	513.6	496.1	580.3	655.7	995.2	1704.6	3605.0	5203.7	5274.8	4575.5	2923.2
75°	306.1	288.7	309.0	327.9	477.3	819.6	2119.5	3541.2	3609.4	2933.3	1739.4
77.5°	229.2	222.0	223.4	207.5	211.8	307.5	967.6	1871.4	1920.7	1201.2	660.1
80°	175.5	156.7	146.5	153.8	139.3	121.9	359.8	644.1	674.6	284.3	137.8
82.5°	117.5	101.5	94.3	103.0	88.5	68.2	87.0	124.8	121.9	76.9	53.7
85°	60.9	52.2	52.2	52.2	45.0	33.4	37.7	50.8	50.8	40.6	31.9
87.5°	17.4	16.0	18.9	17.4	13.1	13.1	14.5	17.4	17.4	16.0	14.5
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: P1211622

CATALOG NUMBER: ARCH4-60-740-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	651.4	651.4	651.4	651.4	651.4	651.4	651.4	651.4	651.4	651.4	651.4
2.5°	649.9	644.1	628.2	616.6	604.9	594.8	583.2	580.3	574.5	575.9	573.0
5°	654.3	638.3	610.7	584.6	564.3	546.9	525.2	516.5	504.8	500.5	497.6
7.5°	660.1	636.9	596.2	560.0	525.2	490.3	455.5	435.2	422.2	416.4	412.0
10°	673.1	642.7	589.0	532.4	472.9	423.6	388.8	374.3	365.6	364.1	362.7
12.5°	690.5	651.4	581.7	497.6	419.3	372.8	351.1	346.7	345.3	345.3	343.8
15°	716.6	665.9	570.1	457.0	377.2	345.3	335.1	327.9	325.0	325.0	325.0
17.5°	742.8	683.3	552.7	414.9	348.2	327.9	317.7	313.4	310.5	311.9	310.5
20°	776.1	703.6	529.5	378.6	329.3	313.4	303.2	298.8	297.4	297.4	297.4
22.5°	813.8	726.8	500.5	351.1	313.4	298.8	288.7	284.3	281.4	282.9	282.9
25°	864.6	755.8	470.0	323.5	297.4	284.3	272.7	266.9	266.9	268.4	269.8
27.5°	929.9	790.6	439.6	306.1	282.9	269.8	256.8	251.0	252.4	255.3	255.3
30°	1025.7	838.5	409.1	287.2	266.9	252.4	240.8	235.0	237.9	243.7	243.7
32.5°	1162.0	916.8	383.0	265.5	243.7	227.8	216.2	211.8	219.1	230.7	230.7
35°	1405.7	1060.5	367.0	243.7	219.1	200.2	185.7	181.3	191.5	206.0	206.0
37.5°	1732.1	1291.1	372.8	224.9	198.7	177.0	161.0	155.2	162.5	175.5	179.9
40°	2096.3	1569.7	423.6	208.9	179.9	158.1	142.2	136.4	140.7	146.5	148.0
42.5°	2460.4	1865.6	519.4	197.3	165.4	142.2	127.7	123.3	126.2	127.7	129.1
45°	2823.1	2158.7	639.8	190.0	152.3	129.1	114.6	114.6	116.1	116.1	116.1
47.5°	3166.9	2444.4	766.0	188.6	140.7	116.1	104.5	105.9	105.9	107.4	107.4
50°	3491.9	2699.8	893.6	192.9	130.6	104.5	95.7	95.7	95.7	97.2	95.7
52.5°	3763.1	2923.2	1027.1	200.2	120.4	95.7	87.0	87.0	87.0	88.5	87.0
55°	4019.9	3126.3	1163.5	210.4	111.7	88.5	79.8	76.9	76.9	78.3	76.9
57.5°	4228.8	3261.2	1292.6	211.8	104.5	81.2	74.0	69.6	69.6	69.6	69.6
60°	4237.5	3182.9	1330.3	185.7	95.7	74.0	66.7	60.9	62.4	62.4	62.4
62.5°	3960.4	2770.9	1069.2	139.3	85.6	66.7	60.9	55.1	55.1	55.1	55.1
65°	3416.4	2155.8	626.7	110.3	74.0	59.5	53.7	49.3	49.3	49.3	47.9
66°	3161.1	1890.3	480.2	100.1	69.6	58.0	52.2	47.9	46.4	45.0	45.0
67.5°	2744.7	1494.2	300.3	88.5	63.8	53.7	47.9	43.5	42.1	40.6	40.6
70°	2067.3	948.8	146.5	68.2	55.1	46.4	42.1	37.7	36.3	34.8	33.4
72.5°	1450.7	555.6	76.9	52.2	45.0	40.6	36.3	31.9	30.5	29.0	29.0
75°	819.6	268.4	50.8	37.7	36.3	33.4	30.5	26.1	24.7	24.7	24.7
77.5°	310.5	92.8	34.8	27.6	29.0	26.1	21.8	21.8	20.3	21.8	20.3
80°	81.2	40.6	21.8	20.3	21.8	18.9	16.0	17.4	17.4	17.4	17.4
82.5°	43.5	23.2	13.1	14.5	13.1	13.1	10.2	11.6	13.1	11.6	13.1
85°	30.5	11.6	7.3	7.3	5.8	5.8	4.4	5.8	7.3	5.8	5.8
87.5°	16.0	4.4	4.4	4.4	4.4	2.9	1.5	0.0	1.5	1.5	1.5
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)