

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: P1210102

Luminaire Tested: **ARCH2-110-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210102
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: ARCH2-110-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8240 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 109.5
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



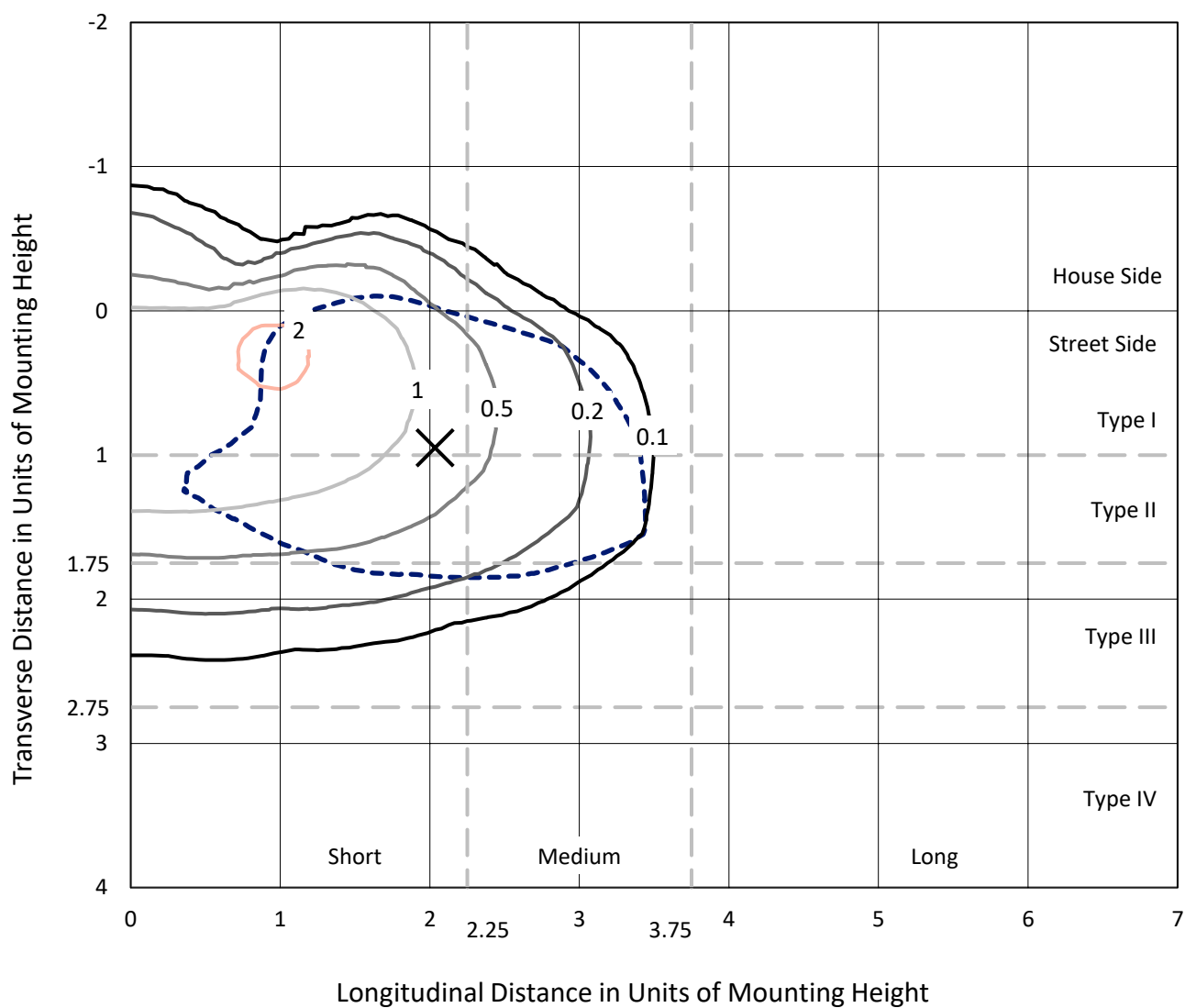
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

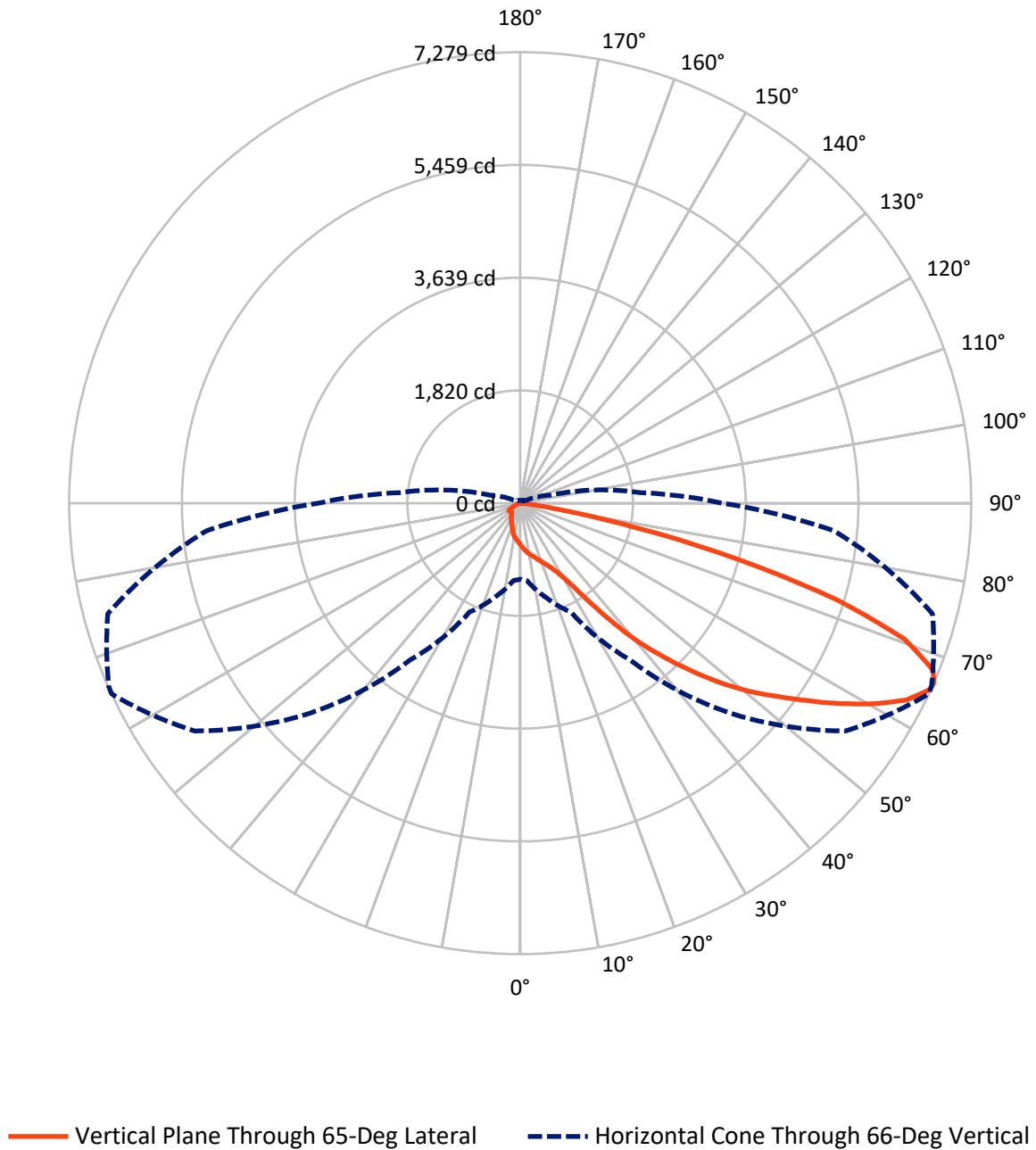
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	972.5	0.0	972.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	7267.5	0.0	7267.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	8240.0	0.0	8240.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	0.8
10°-20°	188.4	2.3
20°-30°	344.8	4.2
30°-40°	700.7	8.5
40°-50°	1479.7	18.0
50°-60°	2274.8	27.6
60°-70°	2289.7	27.8
70°-80°	855.5	10.4
80°-90°	42.7	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°	8240.0	100.0
0°-180°	8240.0	100.0

Coefficient of Utilization



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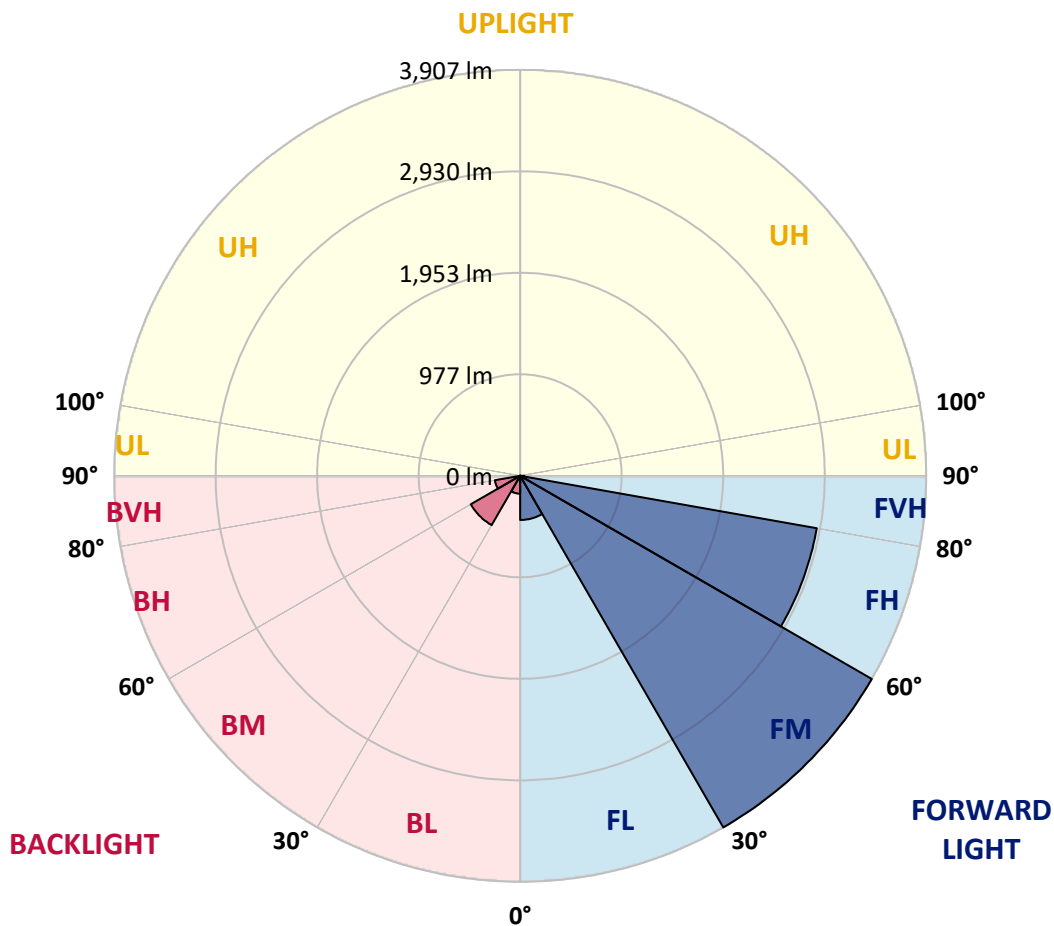
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	424.8	5.2			
FM	(30°-60°)	3906.8	47.4			
FH	(60°-80°)	2898.2	35.2			G2/5000
FVH	(80°-90°)	37.7	0.5			G1/100
BL	(0°-30°)	172.1	2.1	B1/500		
BM	(30°-60°)	548.3	6.7	B1/1000		
BH	(60°-80°)	247.0	3.0	B1/500		G1/500
BVH	(80°-90°)	5.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3
2.5°	765.5	767.0	764.0	758.0	752.1	744.6	732.6	713.2	710.2	696.7	681.8
5°	817.9	820.8	816.4	814.9	811.9	801.4	785.0	756.6	753.6	726.6	692.3
7.5°	835.8	840.3	837.3	837.3	837.3	832.8	825.3	799.9	795.4	761.0	708.7
10°	849.3	852.2	850.7	856.7	861.2	858.2	853.7	838.8	834.3	799.9	731.1
12.5°	870.2	871.7	873.2	876.2	883.6	886.6	885.1	871.7	868.7	844.8	759.5
15°	889.6	889.6	891.1	904.6	915.0	921.0	922.5	912.0	909.1	889.6	795.4
17.5°	907.6	909.1	913.5	928.5	946.4	958.4	965.9	961.4	956.9	942.0	837.3
20°	934.5	937.5	942.0	962.9	980.8	1000.3	1015.2	1013.7	1012.2	1001.8	886.6
22.5°	980.8	983.8	991.3	1010.7	1028.7	1052.6	1078.0	1076.5	1072.0	1064.6	944.9
25°	1051.1	1051.1	1055.6	1072.0	1094.5	1122.9	1146.8	1151.3	1146.8	1142.3	1018.2
27.5°	1139.3	1140.8	1140.8	1158.8	1179.7	1215.6	1245.5	1250.0	1250.0	1245.5	1116.9
30°	1261.9	1257.4	1254.4	1269.4	1291.8	1344.2	1396.5	1405.5	1401.0	1408.4	1255.9
32.5°	1472.7	1465.3	1439.8	1442.8	1456.3	1528.1	1616.3	1647.7	1646.2	1659.6	1480.2
35°	1764.3	1749.3	1712.0	1680.6	1679.1	1756.8	1891.4	2009.5	2008.0	2054.4	1821.1
37.5°	2093.2	2112.7	2042.4	1988.6	1972.1	2033.4	2206.9	2462.5	2476.0	2556.7	2268.2
40°	2532.8	2544.8	2455.1	2378.8	2301.1	2323.5	2552.2	2950.0	2973.9	3063.6	2715.2
42.5°	2915.6	2927.5	2875.2	2782.5	2683.8	2642.0	2900.6	3392.5	3412.0	3536.1	3175.7
45°	3175.7	3184.7	3202.6	3211.6	3099.5	3012.8	3326.7	3847.1	3871.0	4014.5	3625.8
47.5°	3379.1	3386.5	3422.4	3512.1	3489.7	3420.9	3760.3	4319.5	4325.5	4485.5	4063.9
50°	3473.3	3491.2	3579.4	3717.0	3815.7	3835.1	4231.3	4766.6	4783.0	4935.5	4478.0
52.5°	3368.6	3374.6	3597.4	3856.0	4054.9	4252.2	4703.8	5180.7	5228.6	5342.2	4850.3
55°	3015.7	3059.1	3397.0	3851.5	4243.3	4648.5	5209.1	5627.8	5671.2	5742.9	5177.7
57.5°	2606.1	2653.9	3065.1	3658.7	4324.0	5014.8	5677.1	6103.3	6133.2	6152.6	5478.3
60°	2251.7	2296.6	2719.7	3289.4	4243.3	5273.4	6112.2	6575.7	6601.1	6548.8	5629.3
62.5°	1816.6	1861.5	2287.6	2800.4	3926.3	5325.8	6435.2	6995.9	7006.3	6864.3	5536.6
65°	1369.6	1399.5	1755.3	2194.9	3371.6	5047.7	6508.4	7257.5	7247.1	6955.5	5258.5
66°	1227.5	1252.9	1566.9	1940.7	3083.0	4793.5	6409.8	7278.5	7268.0	6888.2	5076.1
67.5°	1058.6	1066.1	1324.7	1587.9	2579.2	4253.7	6109.2	7182.8	7191.7	6702.8	4742.7
70°	826.8	825.3	974.8	1104.9	1761.3	3026.2	5095.5	6580.2	6623.6	6003.1	4044.4
72.5°	529.3	511.3	598.1	675.8	1025.7	1756.8	3715.5	5363.1	5436.4	4715.7	3012.8
75°	315.5	297.5	318.5	337.9	491.9	844.8	2184.4	3649.7	3720.0	3023.2	1792.7
77.5°	236.2	228.8	230.3	213.8	218.3	317.0	997.3	1928.8	1979.6	1238.0	680.3
80°	180.9	161.5	151.0	158.5	143.5	125.6	370.8	663.9	695.3	293.1	142.0
82.5°	121.1	104.7	97.2	106.2	91.2	70.3	89.7	128.6	125.6	79.2	55.3
85°	62.8	53.8	53.8	53.8	46.4	34.4	38.9	52.3	52.3	41.9	32.9
87.5°	17.9	16.4	19.4	17.9	13.5	13.5	15.0	17.9	17.9	16.4	15.0
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°	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3
2.5°	669.8	663.9	647.4	635.4	623.5	613.0	601.1	598.1	592.1	593.6	590.6
5°	674.3	657.9	629.5	602.6	581.6	563.7	541.2	532.3	520.3	515.8	512.8
7.5°	680.3	656.4	614.5	577.1	541.2	505.4	469.5	448.5	435.1	429.1	424.6
10°	693.8	662.4	607.0	548.7	487.4	436.6	400.7	385.8	376.8	375.3	373.8
12.5°	711.7	671.3	599.6	512.8	432.1	384.3	361.8	357.3	355.8	355.8	354.4
15°	738.6	686.3	587.6	471.0	388.7	355.8	345.4	337.9	334.9	334.9	334.9
17.5°	765.5	704.2	569.7	427.6	358.8	337.9	327.4	323.0	320.0	321.5	320.0
20°	799.9	725.2	545.7	390.2	339.4	323.0	312.5	308.0	306.5	306.5	306.5
22.5°	838.8	749.1	515.8	361.8	323.0	308.0	297.5	293.1	290.1	291.6	291.6
25°	891.1	779.0	484.4	333.4	306.5	293.1	281.1	275.1	275.1	276.6	278.1
27.5°	958.4	814.9	453.0	315.5	291.6	278.1	264.6	258.7	260.2	263.1	263.1
30°	1057.1	864.2	421.6	296.0	275.1	260.2	248.2	242.2	245.2	251.2	251.2
32.5°	1197.6	944.9	394.7	273.6	251.2	234.7	222.8	218.3	225.8	237.7	237.7
35°	1448.8	1093.0	378.3	251.2	225.8	206.3	191.4	186.9	197.4	212.3	212.3
37.5°	1785.2	1330.7	384.3	231.8	204.8	182.4	166.0	160.0	167.5	180.9	185.4
40°	2160.5	1617.8	436.6	215.3	185.4	163.0	146.5	140.5	145.0	151.0	152.5
42.5°	2535.8	1922.8	535.3	203.3	170.4	146.5	131.6	127.1	130.1	131.6	133.1
45°	2909.6	2224.8	659.4	195.9	157.0	133.1	118.1	118.1	119.6	119.6	119.6
47.5°	3263.9	2519.3	789.4	194.4	145.0	119.6	107.7	109.1	109.1	110.6	110.6
50°	3598.9	2782.5	921.0	198.9	134.6	107.7	98.7	98.7	98.7	100.2	98.7
52.5°	3878.5	3012.8	1058.6	206.3	124.1	98.7	89.7	89.7	89.7	91.2	89.7
55°	4143.1	3222.1	1199.1	216.8	115.1	91.2	82.2	79.2	79.2	80.7	79.2
57.5°	4358.4	3361.1	1332.2	218.3	107.7	83.7	76.3	71.8	71.8	71.8	71.8
60°	4367.4	3280.4	1371.1	191.4	98.7	76.3	68.8	62.8	64.3	64.3	64.3
62.5°	4081.8	2855.8	1101.9	143.5	88.2	68.8	62.8	56.8	56.8	56.8	56.8
65°	3521.1	2221.8	645.9	113.6	76.3	61.3	55.3	50.8	50.8	50.8	49.3
66°	3258.0	1948.2	494.9	103.2	71.8	59.8	53.8	49.3	47.8	46.4	46.4
67.5°	2828.8	1540.0	309.5	91.2	65.8	55.3	49.3	44.9	43.4	41.9	41.9
70°	2130.6	977.8	151.0	70.3	56.8	47.8	43.4	38.9	37.4	35.9	34.4
72.5°	1495.2	572.6	79.2	53.8	46.4	41.9	37.4	32.9	31.4	29.9	29.9
75°	844.8	276.6	52.3	38.9	37.4	34.4	31.4	26.9	25.4	25.4	25.4
77.5°	320.0	95.7	35.9	28.4	29.9	26.9	22.4	22.4	20.9	22.4	20.9
80°	83.7	41.9	22.4	20.9	22.4	19.4	16.4	17.9	17.9	17.9	17.9
82.5°	44.9	23.9	13.5	15.0	13.5	13.5	10.5	12.0	13.5	12.0	13.5
85°	31.4	12.0	7.5	7.5	6.0	6.0	4.5	6.0	7.5	6.0	6.0
87.5°	16.4	4.5	4.5	4.5	4.5	3.0	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)