

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: P1210742

Luminaire Tested: **ARCH3-60-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210742
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: ARCH3-60-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6270 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - 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

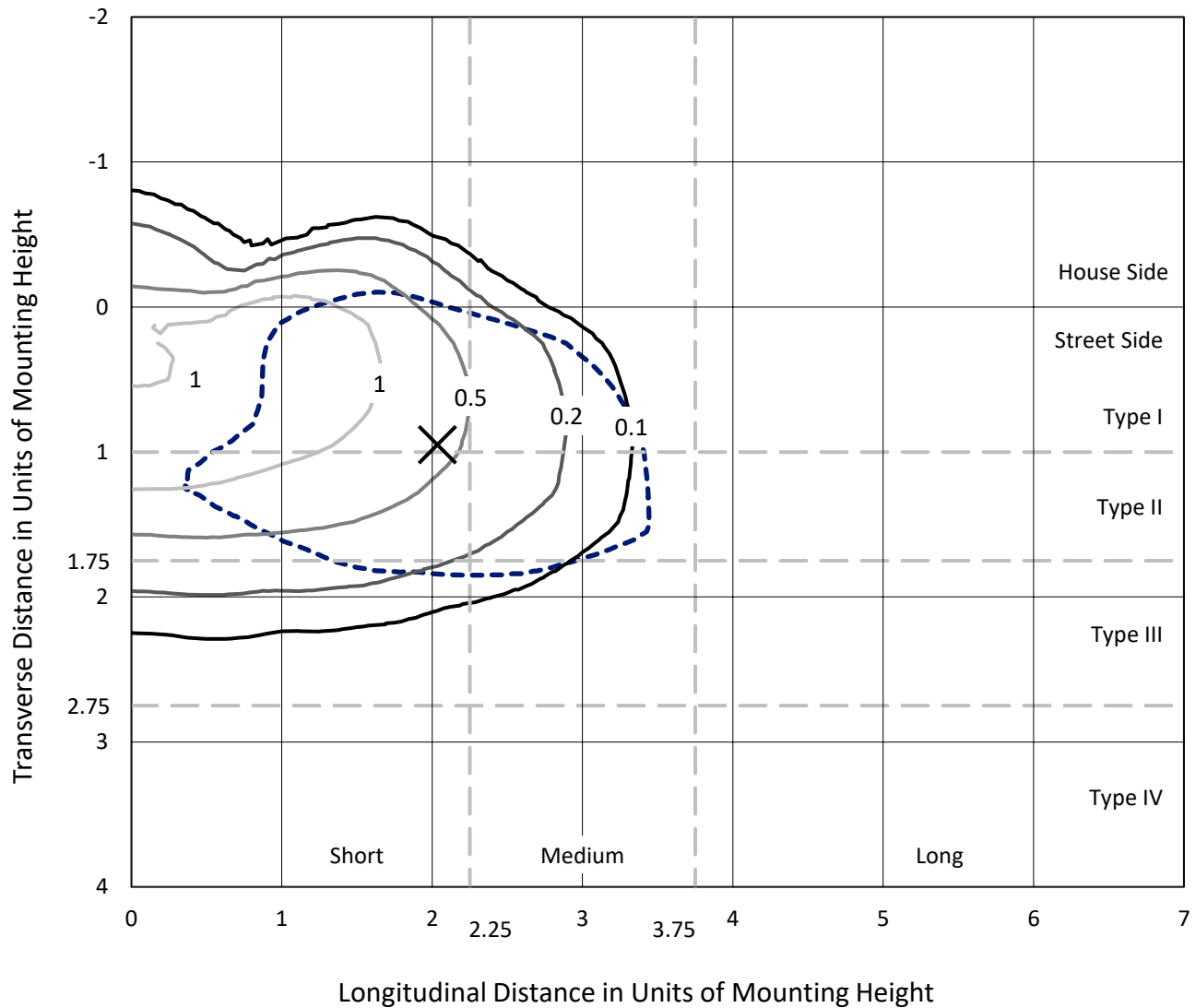


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Iso-Footcandle Lines of Horizontal Illumination

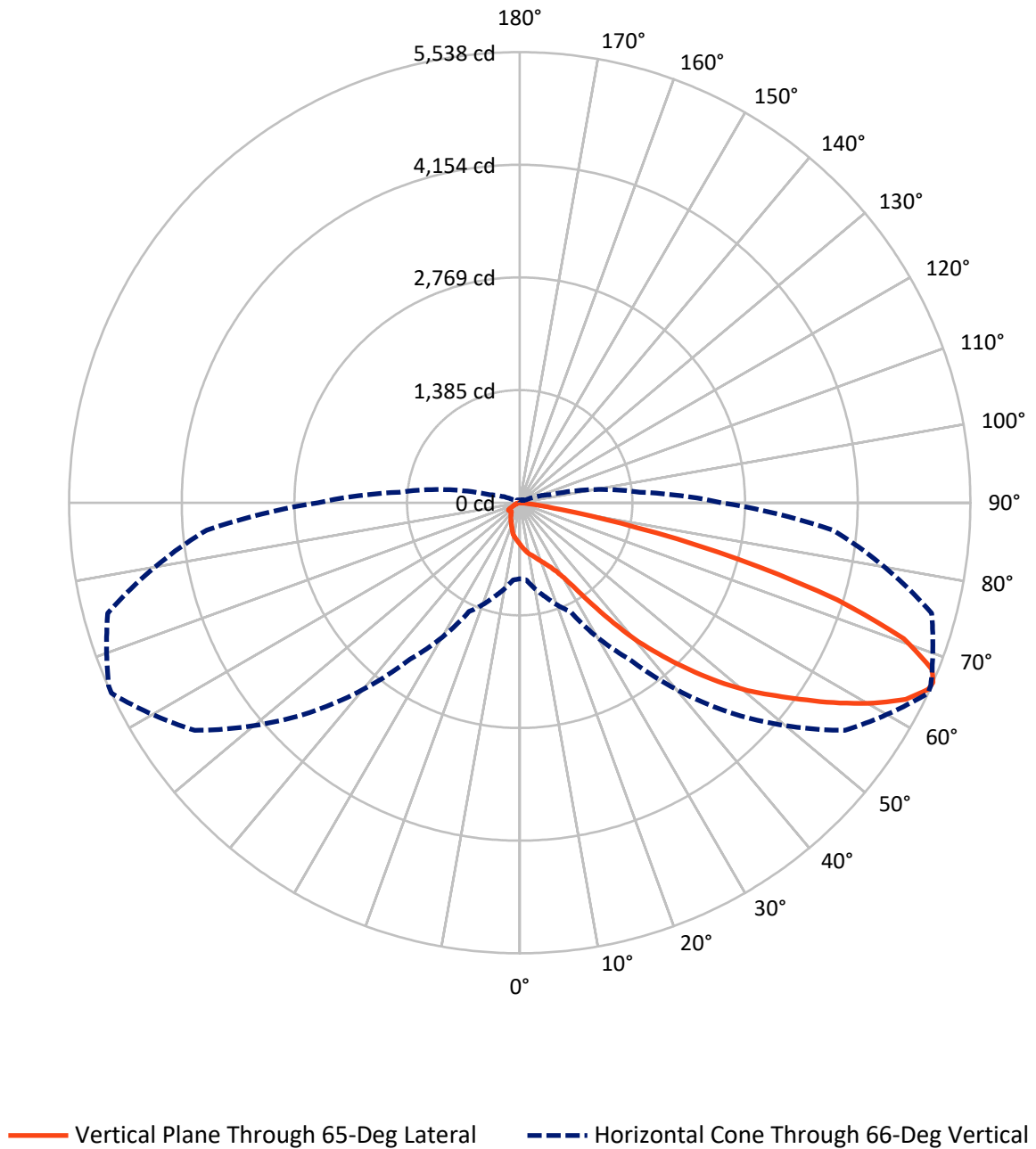
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	740.0	0.0	740.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5530.0	0.0	5530.0
	% Fixture	88.2	0.0	88.2
Total	Lumens	6270.0	0.0	6270.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	0.8
10°-20°	143.4	2.3
20°-30°	262.4	4.2
30°-40°	533.2	8.5
40°-50°	1125.9	18.0
50°-60°	1730.9	27.6
60°-70°	1742.3	27.8
70°-80°	651.0	10.4
80°-90°	32.5	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°	6270.0	100.0
0°-180°	6270.0	100.0

Coefficient of Utilization



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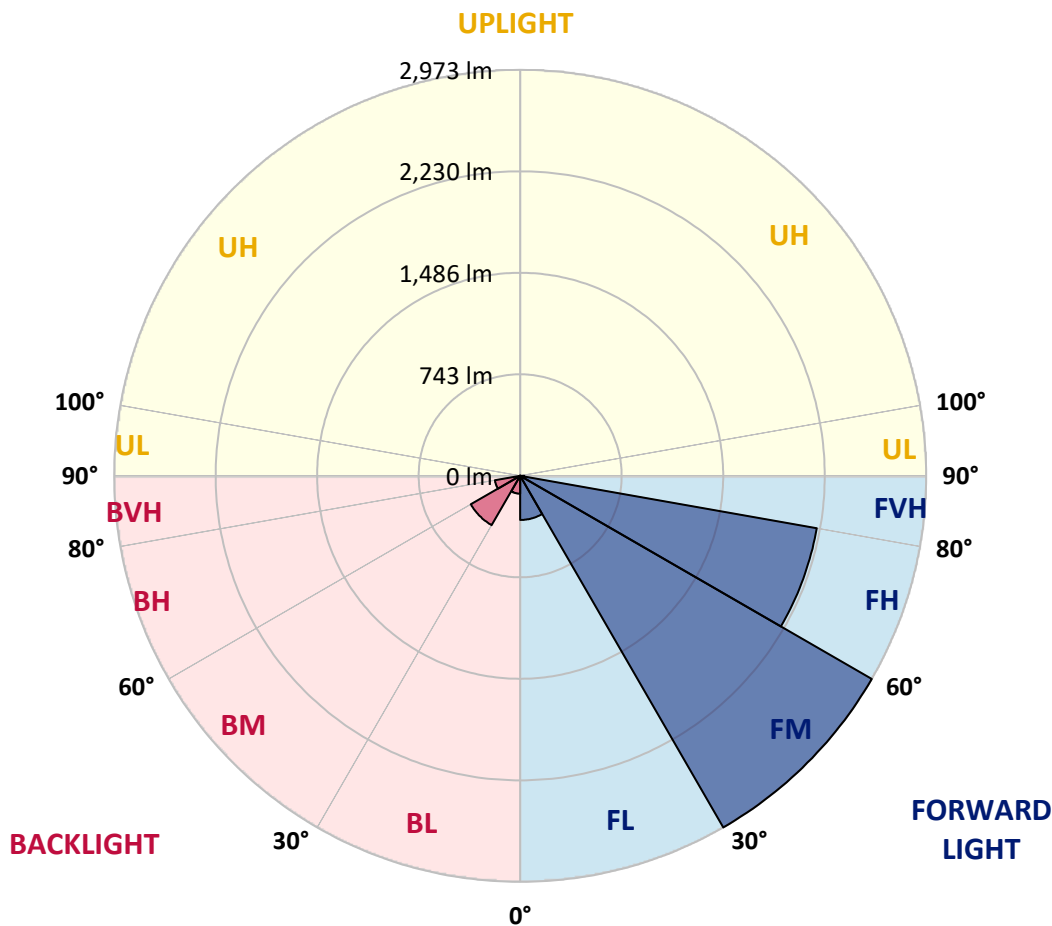
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.2	5.2			
FM	(30°-60°)	2972.8	47.4			
FH	(60°-80°)	2205.3	35.2			G2/5000
FVH	(80°-90°)	28.7	0.5			G1/100
BL	(0°-30°)	131.0	2.1	B1/500		
BM	(30°-60°)	417.2	6.7	B1/1000		
BH	(60°-80°)	188.0	3.0	B1/500		G1/500
BVH	(80°-90°)	3.8	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°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	582.5	583.6	581.4	576.8	572.3	566.6	557.5	542.7	540.4	530.2	518.8
5°	622.3	624.6	621.2	620.0	617.8	609.8	597.3	575.7	573.4	552.9	526.8
7.5°	636.0	639.4	637.1	637.1	637.1	633.7	628.0	608.7	605.3	579.1	539.3
10°	646.2	648.5	647.4	651.9	655.3	653.0	649.6	638.3	634.8	608.7	556.3
12.5°	662.1	663.3	664.4	666.7	672.4	674.7	673.5	663.3	661.0	642.8	578.0
15°	676.9	676.9	678.1	688.3	696.3	700.8	702.0	694.0	691.7	676.9	605.3
17.5°	690.6	691.7	695.1	706.5	720.2	729.3	735.0	731.5	728.1	716.8	637.1
20°	711.1	713.3	716.8	732.7	746.3	761.1	772.5	771.4	770.2	762.3	674.7
22.5°	746.3	748.6	754.3	769.1	782.7	800.9	820.3	819.1	815.7	810.0	719.0
25°	799.8	799.8	803.2	815.7	832.8	854.4	872.6	876.0	872.6	869.2	774.8
27.5°	866.9	868.1	868.1	881.7	897.6	925.0	947.7	951.1	951.1	947.7	849.9
30°	960.2	956.8	954.5	965.9	983.0	1022.8	1062.6	1069.4	1066.0	1071.7	955.7
32.5°	1120.6	1114.9	1095.6	1097.9	1108.1	1162.7	1229.9	1253.7	1252.6	1262.9	1126.3
35°	1342.5	1331.1	1302.7	1278.8	1277.6	1336.8	1439.2	1529.1	1527.9	1563.2	1385.7
37.5°	1592.8	1607.6	1554.1	1513.1	1500.6	1547.3	1679.2	1873.8	1884.0	1945.5	1725.9
40°	1927.3	1936.4	1868.1	1810.1	1750.9	1768.0	1942.1	2244.7	2262.9	2331.2	2066.1
42.5°	2218.5	2227.6	2187.8	2117.3	2042.2	2010.3	2207.1	2581.4	2596.2	2690.7	2416.5
45°	2416.5	2423.3	2437.0	2443.8	2358.5	2292.5	2531.4	2927.3	2945.5	3054.7	2758.9
47.5°	2571.2	2576.9	2604.2	2672.5	2655.4	2603.1	2861.3	3286.8	3291.4	3413.1	3092.3
50°	2642.9	2656.5	2723.7	2828.3	2903.4	2918.2	3219.7	3627.0	3639.5	3755.6	3407.4
52.5°	2563.2	2567.8	2737.3	2934.1	3085.5	3235.6	3579.2	3942.1	3978.5	4065.0	3690.7
55°	2294.7	2327.7	2584.9	2930.7	3228.8	3537.1	3963.8	4282.3	4315.3	4369.9	3939.9
57.5°	1983.0	2019.4	2332.3	2784.0	3290.2	3815.9	4319.9	4644.1	4666.9	4681.6	4168.5
60°	1713.4	1747.5	2069.5	2502.9	3228.8	4012.7	4650.9	5003.6	5023.0	4983.1	4283.5
62.5°	1382.3	1416.4	1740.7	2130.9	2987.6	4052.5	4896.7	5323.3	5331.3	5223.2	4212.9
65°	1042.1	1064.9	1335.7	1670.1	2565.5	3840.9	4952.4	5522.4	5514.4	5292.6	4001.3
66°	934.1	953.4	1192.3	1476.7	2345.9	3647.5	4877.3	5538.3	5530.4	5241.4	3862.5
67.5°	805.5	811.2	1008.0	1208.2	1962.5	3236.8	4648.7	5465.5	5472.4	5100.3	3608.8
70°	629.1	628.0	741.8	840.8	1340.2	2302.7	3877.3	5007.0	5040.0	4567.9	3077.5
72.5°	402.7	389.1	455.1	514.2	780.5	1336.8	2827.2	4080.9	4136.7	3588.3	2292.5
75°	240.1	226.4	242.3	257.1	374.3	642.8	1662.2	2777.1	2830.6	2300.4	1364.1
77.5°	179.8	174.1	175.2	162.7	166.1	241.2	758.8	1467.6	1506.3	942.0	517.7
80°	137.7	122.9	114.9	120.6	109.2	95.6	282.2	505.1	529.0	223.0	108.1
82.5°	92.2	79.6	74.0	80.8	69.4	53.5	68.3	97.8	95.6	60.3	42.1
85°	47.8	41.0	41.0	41.0	35.3	26.2	29.6	39.8	39.8	31.9	25.0
87.5°	13.7	12.5	14.8	13.7	10.2	10.2	11.4	13.7	13.7	12.5	11.4
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°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	509.7	505.1	492.6	483.5	474.4	466.5	457.4	455.1	450.5	451.7	449.4
5°	513.1	500.6	479.0	458.5	442.6	428.9	411.8	405.0	395.9	392.5	390.2
7.5°	517.7	499.5	467.6	439.2	411.8	384.5	357.2	341.3	331.1	326.5	323.1
10°	527.9	504.0	461.9	417.5	370.9	332.2	304.9	293.5	286.7	285.6	284.4
12.5°	541.5	510.8	456.2	390.2	328.8	292.4	275.3	271.9	270.8	270.8	269.6
15°	562.0	522.2	447.1	358.4	295.8	270.8	262.8	257.1	254.8	254.8	254.8
17.5°	582.5	535.9	433.5	325.4	273.0	257.1	249.2	245.7	243.5	244.6	243.5
20°	608.7	551.8	415.3	296.9	258.3	245.7	237.8	234.4	233.2	233.2	233.2
22.5°	638.3	570.0	392.5	275.3	245.7	234.4	226.4	223.0	220.7	221.9	221.9
25°	678.1	592.7	368.6	253.7	233.2	223.0	213.9	209.3	209.3	210.5	211.6
27.5°	729.3	620.0	344.7	240.1	221.9	211.6	201.4	196.8	198.0	200.2	200.2
30°	804.4	657.6	320.8	225.3	209.3	198.0	188.9	184.3	186.6	191.1	191.1
32.5°	911.3	719.0	300.4	208.2	191.1	178.6	169.5	166.1	171.8	180.9	180.9
35°	1102.4	831.7	287.8	191.1	171.8	157.0	145.6	142.2	150.2	161.6	161.6
37.5°	1358.4	1012.6	292.4	176.3	155.9	138.8	126.3	121.7	127.4	137.7	141.1
40°	1644.0	1231.0	332.2	163.8	141.1	124.0	111.5	106.9	110.4	114.9	116.0
42.5°	1929.5	1463.1	407.3	154.7	129.7	111.5	100.1	96.7	99.0	100.1	101.3
45°	2214.0	1692.9	501.7	149.0	119.5	101.3	89.9	89.9	91.0	91.0	91.0
47.5°	2483.6	1917.0	600.7	147.9	110.4	91.0	81.9	83.1	83.1	84.2	84.2
50°	2738.5	2117.3	700.8	151.3	102.4	81.9	75.1	75.1	75.1	76.2	75.1
52.5°	2951.2	2292.5	805.5	157.0	94.4	75.1	68.3	68.3	68.3	69.4	68.3
55°	3152.6	2451.7	912.4	165.0	87.6	69.4	62.6	60.3	60.3	61.4	60.3
57.5°	3316.4	2557.6	1013.7	166.1	81.9	63.7	58.0	54.6	54.6	54.6	54.6
60°	3323.2	2496.1	1043.3	145.6	75.1	58.0	52.3	47.8	48.9	48.9	48.9
62.5°	3105.9	2173.0	838.5	109.2	67.1	52.3	47.8	43.2	43.2	43.2	43.2
65°	2679.3	1690.6	491.5	86.5	58.0	46.6	42.1	38.7	38.7	38.7	37.5
66°	2479.1	1482.4	376.6	78.5	54.6	45.5	41.0	37.5	36.4	35.3	35.3
67.5°	2152.5	1171.8	235.5	69.4	50.1	42.1	37.5	34.1	33.0	31.9	31.9
70°	1621.2	744.1	114.9	53.5	43.2	36.4	33.0	29.6	28.4	27.3	26.2
72.5°	1137.7	435.7	60.3	41.0	35.3	31.9	28.4	25.0	23.9	22.8	22.8
75°	642.8	210.5	39.8	29.6	28.4	26.2	23.9	20.5	19.3	19.3	19.3
77.5°	243.5	72.8	27.3	21.6	22.8	20.5	17.1	17.1	15.9	17.1	15.9
80°	63.7	31.9	17.1	15.9	17.1	14.8	12.5	13.7	13.7	13.7	13.7
82.5°	34.1	18.2	10.2	11.4	10.2	10.2	8.0	9.1	10.2	9.1	10.2
85°	23.9	9.1	5.7	5.7	4.6	4.6	3.4	4.6	5.7	4.6	4.6
87.5°	12.5	3.4	3.4	3.4	3.4	2.3	1.1	0.0	1.1	1.1	1.1
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)