

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: P1210246

Luminaire Tested: **ARCH2-60-740-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210246
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: ARCH2-60-740-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 485mA 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: 6713 lumens
Efficiency: N/A
Efficacy: 105.2 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): 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

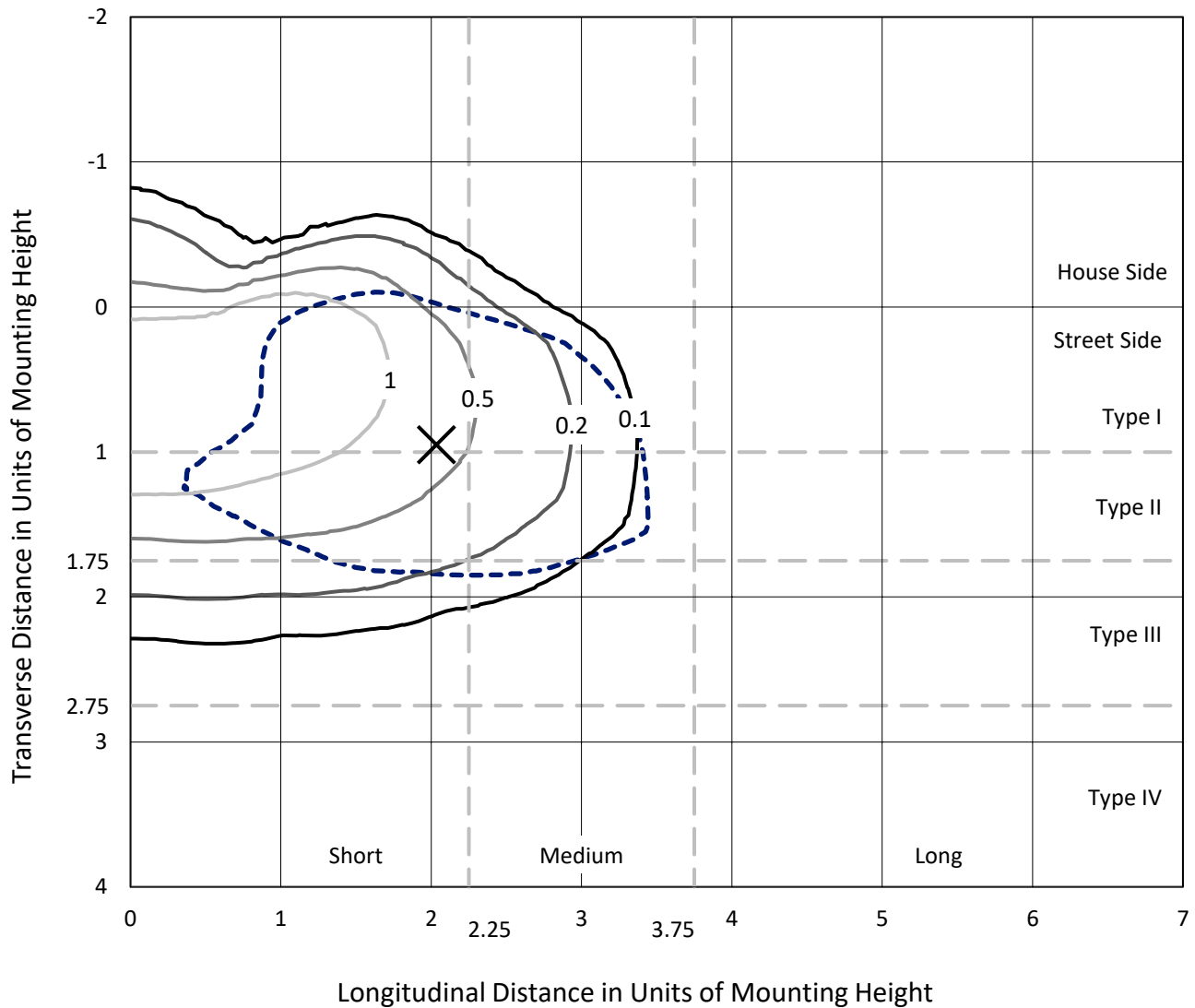


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

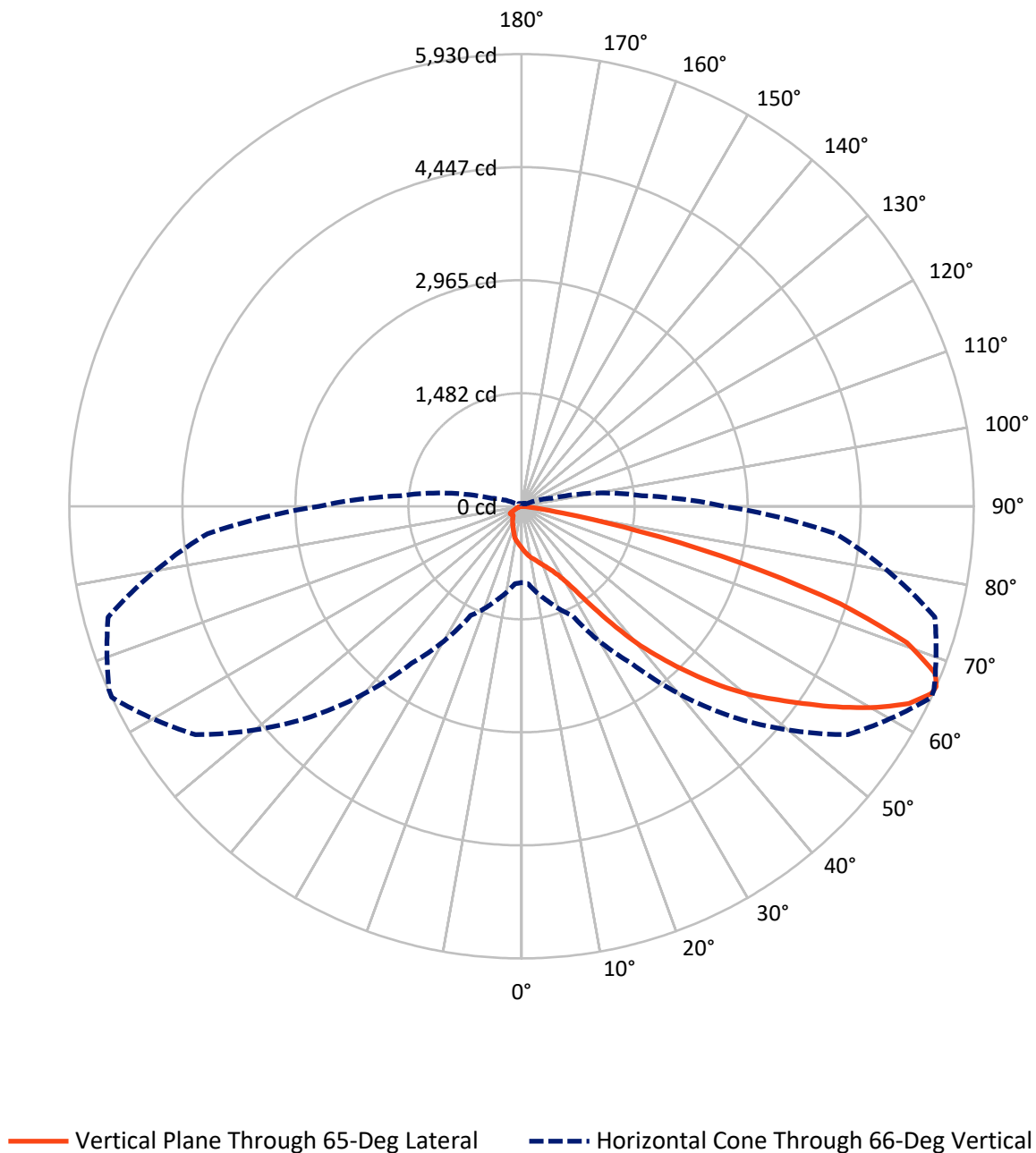


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	792.3	0.0	792.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5920.7	0.0	5920.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	6713.0	0.0	6713.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	0.8
10°-20°	153.5	2.3
20°-30°	280.9	4.2
30°-40°	570.8	8.5
40°-50°	1205.5	18.0
50°-60°	1853.2	27.6
60°-70°	1865.4	27.8
70°-80°	697.0	10.4
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°	6713.0	100.0
0°-180°	6713.0	100.0

Coefficient of Utilization



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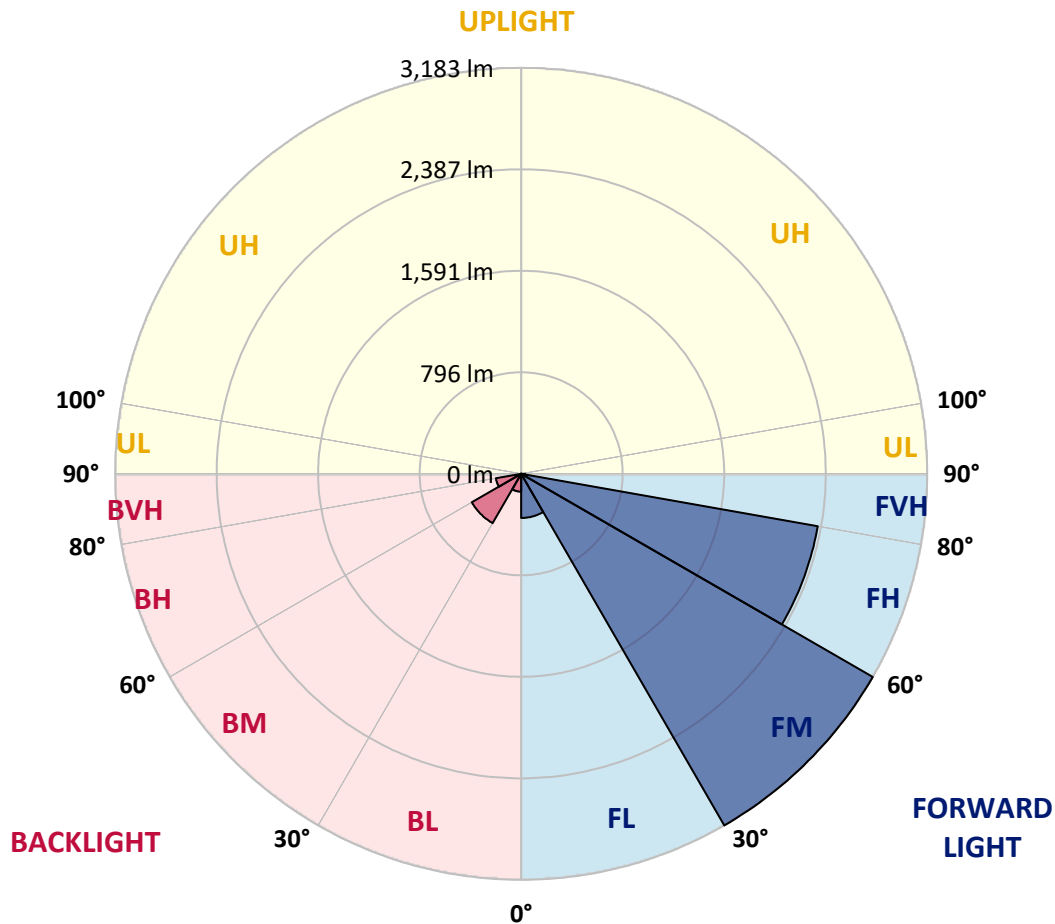
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.0	5.2			
FM	(30°-60°)	3182.8	47.4			
FH	(60°-80°)	2361.1	35.2			G2/5000
FVH	(80°-90°)	30.7	0.5			G1/100
BL	(0°-30°)	140.2	2.1	B1/500		
BM	(30°-60°)	446.7	6.7	B1/1000		
BH	(60°-80°)	201.3	3.0	B1/500		G1/500
BVH	(80°-90°)	4.1	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°	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9
2.5°	623.7	624.9	622.4	617.6	612.7	606.6	596.9	581.0	578.6	567.6	555.4
5°	666.3	668.7	665.1	663.9	661.4	652.9	639.5	616.4	613.9	592.0	564.0
7.5°	680.9	684.6	682.1	682.1	682.1	678.5	672.4	651.7	648.0	620.0	577.4
10°	691.9	694.3	693.1	698.0	701.6	699.2	695.5	683.3	679.7	651.7	595.6
12.5°	708.9	710.1	711.4	713.8	719.9	722.3	721.1	710.1	707.7	688.2	618.8
15°	724.8	724.8	726.0	736.9	745.5	750.3	751.6	743.0	740.6	724.8	648.0
17.5°	739.4	740.6	744.3	756.4	771.0	780.8	786.9	783.2	779.6	767.4	682.1
20°	761.3	763.7	767.4	784.4	799.1	814.9	827.1	825.9	824.6	816.1	722.3
22.5°	799.1	801.5	807.6	823.4	838.0	857.5	878.2	877.0	873.4	867.3	769.8
25°	856.3	856.3	860.0	873.4	891.6	914.8	934.3	937.9	934.3	930.6	829.5
27.5°	928.2	929.4	929.4	944.0	961.1	990.3	1014.7	1018.3	1018.3	1014.7	909.9
30°	1028.1	1024.4	1022.0	1034.2	1052.4	1095.1	1137.7	1145.0	1141.3	1147.4	1023.2
32.5°	1199.8	1193.7	1173.0	1175.5	1186.4	1244.9	1316.8	1342.3	1341.1	1352.1	1205.9
35°	1437.3	1425.2	1394.7	1369.1	1367.9	1431.3	1540.9	1637.1	1635.9	1673.7	1483.6
37.5°	1705.3	1721.2	1663.9	1620.1	1606.7	1656.6	1797.9	2006.2	2017.2	2082.9	1847.8
40°	2063.4	2073.2	2000.1	1938.0	1874.6	1892.9	2079.3	2403.3	2422.8	2495.9	2212.0
42.5°	2375.3	2385.0	2342.4	2266.9	2186.5	2152.4	2363.1	2763.8	2779.7	2880.8	2587.2
45°	2587.2	2594.5	2609.1	2616.4	2525.1	2454.4	2710.2	3134.1	3153.6	3270.6	2953.9
47.5°	2752.9	2759.0	2788.2	2861.3	2843.0	2787.0	3063.5	3519.1	3523.9	3654.3	3310.8
50°	2829.6	2844.2	2916.1	3028.2	3108.6	3124.4	3447.2	3883.3	3896.7	4020.9	3648.2
52.5°	2744.3	2749.2	2930.7	3141.4	3303.4	3464.2	3832.1	4220.7	4259.6	4352.2	3951.5
55°	2456.9	2492.2	2767.5	3137.8	3456.9	3787.0	4243.8	4584.9	4620.2	4678.7	4218.2
57.5°	2123.1	2162.1	2497.1	2980.7	3522.7	4085.5	4625.1	4972.2	4996.6	5012.4	4463.1
60°	1834.4	1871.0	2215.7	2679.8	3456.9	4296.2	4979.5	5357.1	5377.8	5335.2	4586.1
62.5°	1480.0	1516.5	1863.7	2281.5	3198.7	4338.8	5242.6	5699.4	5708.0	5592.2	4510.6
65°	1115.8	1140.1	1430.0	1788.2	2746.8	4112.3	5302.3	5912.6	5904.1	5666.5	4284.0
66°	1000.0	1020.8	1276.6	1581.1	2511.7	3905.2	5221.9	5929.6	5921.1	5611.7	4135.4
67.5°	862.4	868.5	1079.2	1293.6	2101.2	3465.5	4977.1	5851.7	5859.0	5460.7	3863.8
70°	673.6	672.4	794.2	900.2	1434.9	2465.4	4151.2	5360.8	5396.1	4890.6	3294.9
72.5°	431.2	416.6	487.2	550.6	835.6	1431.3	3026.9	4369.3	4429.0	3841.8	2454.4
75°	257.0	242.4	259.5	275.3	400.8	688.2	1779.6	2973.3	3030.6	2463.0	1460.5
77.5°	192.5	186.4	187.6	174.2	177.8	258.2	812.5	1571.3	1612.7	1008.6	554.2
80°	147.4	131.6	123.0	129.1	116.9	102.3	302.1	540.8	566.4	238.7	115.7
82.5°	98.7	85.3	79.2	86.5	74.3	57.3	73.1	104.8	102.3	64.6	45.1
85°	51.2	43.9	43.9	43.9	37.8	28.0	31.7	42.6	42.6	34.1	26.8
87.5°	14.6	13.4	15.8	14.6	11.0	11.0	12.2	14.6	14.6	13.4	12.2
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°	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9
2.5°	545.7	540.8	527.4	517.7	507.9	499.4	489.7	487.2	482.4	483.6	481.1
5°	549.4	536.0	512.8	490.9	473.8	459.2	440.9	433.6	423.9	420.2	417.8
7.5°	554.2	534.7	500.6	470.2	440.9	411.7	382.5	365.4	354.5	349.6	345.9
10°	565.2	539.6	494.5	447.0	397.1	355.7	326.4	314.3	307.0	305.7	304.5
12.5°	579.8	546.9	488.5	417.8	352.0	313.0	294.8	291.1	289.9	289.9	288.7
15°	601.7	559.1	478.7	383.7	316.7	289.9	281.4	275.3	272.9	272.9	272.9
17.5°	623.7	573.7	464.1	348.4	292.3	275.3	266.8	263.1	260.7	261.9	260.7
20°	651.7	590.8	444.6	317.9	276.5	263.1	254.6	250.9	249.7	249.7	249.7
22.5°	683.3	610.3	420.2	294.8	263.1	250.9	242.4	238.7	236.3	237.5	237.5
25°	726.0	634.6	394.7	271.6	249.7	238.7	229.0	224.1	224.1	225.3	226.6
27.5°	780.8	663.9	369.1	257.0	237.5	226.6	215.6	210.7	211.9	214.4	214.4
30°	861.2	704.1	343.5	241.2	224.1	211.9	202.2	197.3	199.8	204.6	204.6
32.5°	975.7	769.8	321.6	222.9	204.6	191.2	181.5	177.8	183.9	193.7	193.7
35°	1180.3	890.4	308.2	204.6	183.9	168.1	155.9	152.3	160.8	173.0	173.0
37.5°	1454.4	1084.1	313.0	188.8	166.9	148.6	135.2	130.3	136.4	147.4	151.0
40°	1760.1	1318.0	355.7	175.4	151.0	132.8	119.4	114.5	118.2	123.0	124.2
42.5°	2065.9	1566.5	436.1	165.7	138.9	119.4	107.2	103.5	106.0	107.2	108.4
45°	2370.4	1812.5	537.2	159.6	127.9	108.4	96.2	96.2	97.4	97.4	97.4
47.5°	2659.1	2052.5	643.1	158.4	118.2	97.4	87.7	88.9	88.9	90.1	90.1
50°	2931.9	2266.9	750.3	162.0	109.6	87.7	80.4	80.4	80.4	81.6	80.4
52.5°	3159.7	2454.4	862.4	168.1	101.1	80.4	73.1	73.1	73.1	74.3	73.1
55°	3375.3	2625.0	976.9	176.6	93.8	74.3	67.0	64.6	64.6	65.8	64.6
57.5°	3550.7	2738.3	1085.3	177.8	87.7	68.2	62.1	58.5	58.5	58.5	58.5
60°	3558.0	2672.5	1117.0	155.9	80.4	62.1	56.0	51.2	52.4	52.4	52.4
62.5°	3325.4	2326.5	897.7	116.9	71.9	56.0	51.2	46.3	46.3	46.3	46.3
65°	2868.6	1810.1	526.2	92.6	62.1	49.9	45.1	41.4	41.4	41.4	40.2
66°	2654.2	1587.2	403.2	84.0	58.5	48.7	43.9	40.2	39.0	37.8	37.8
67.5°	2304.6	1254.6	252.1	74.3	53.6	45.1	40.2	36.5	35.3	34.1	34.1
70°	1735.8	796.6	123.0	57.3	46.3	39.0	35.3	31.7	30.5	29.2	28.0
72.5°	1218.1	466.5	64.6	43.9	37.8	34.1	30.5	26.8	25.6	24.4	24.4
75°	688.2	225.3	42.6	31.7	30.5	28.0	25.6	21.9	20.7	20.7	20.7
77.5°	260.7	78.0	29.2	23.1	24.4	21.9	18.3	18.3	17.1	18.3	17.1
80°	68.2	34.1	18.3	17.1	18.3	15.8	13.4	14.6	14.6	14.6	14.6
82.5°	36.5	19.5	11.0	12.2	11.0	11.0	8.5	9.7	11.0	9.7	11.0
85°	25.6	9.7	6.1	6.1	4.9	4.9	3.7	4.9	6.1	4.9	4.9
87.5°	13.4	3.7	3.7	3.7	3.7	2.4	1.2	0.0	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)