

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: P1210462

Luminaire Tested: **ARCH3-130-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210462
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: ARCH3-130-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1035mA 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: 13340 lumens
Efficiency: N/A
Efficacy: 100.6 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

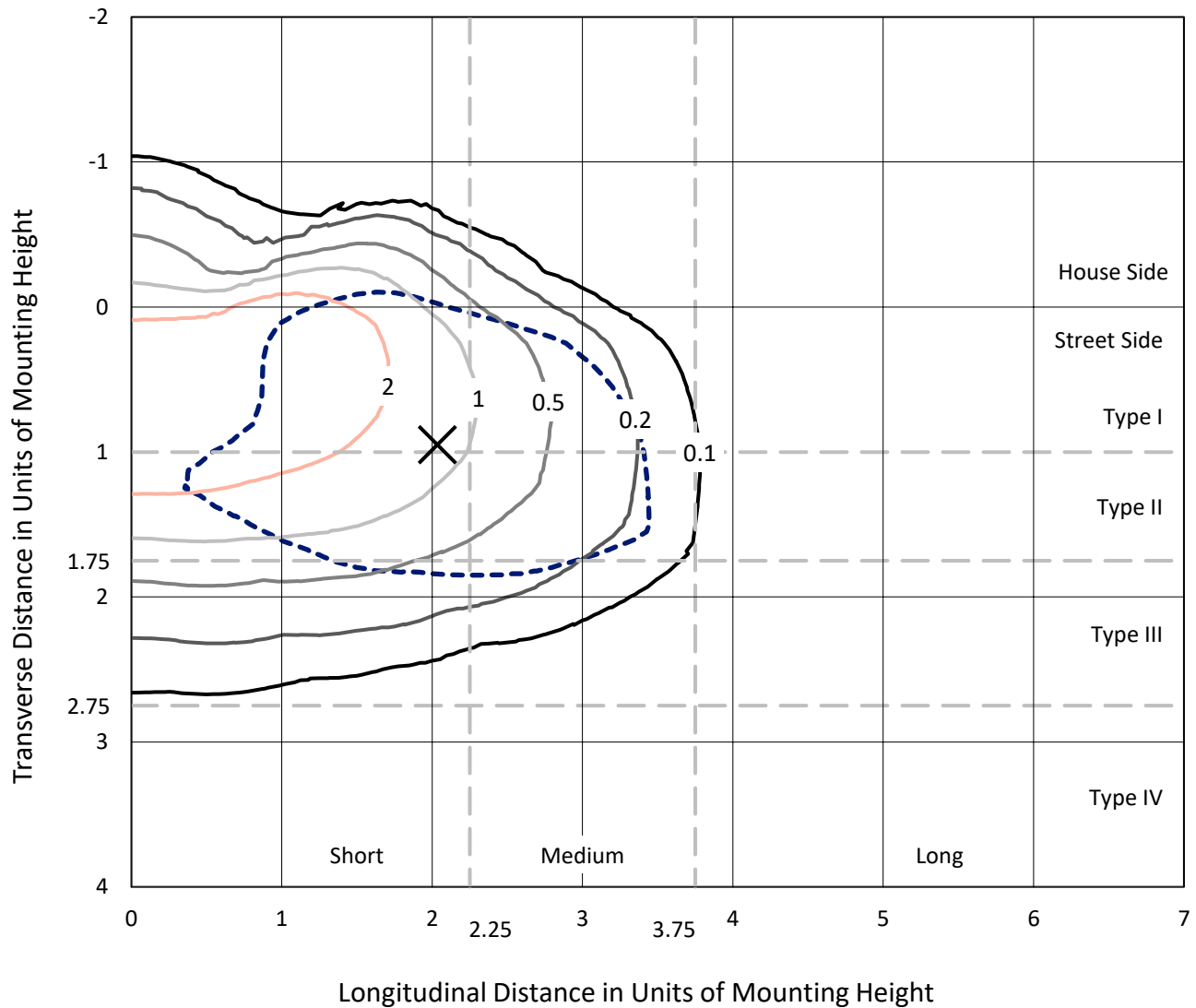
Input Watts (W): 132.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

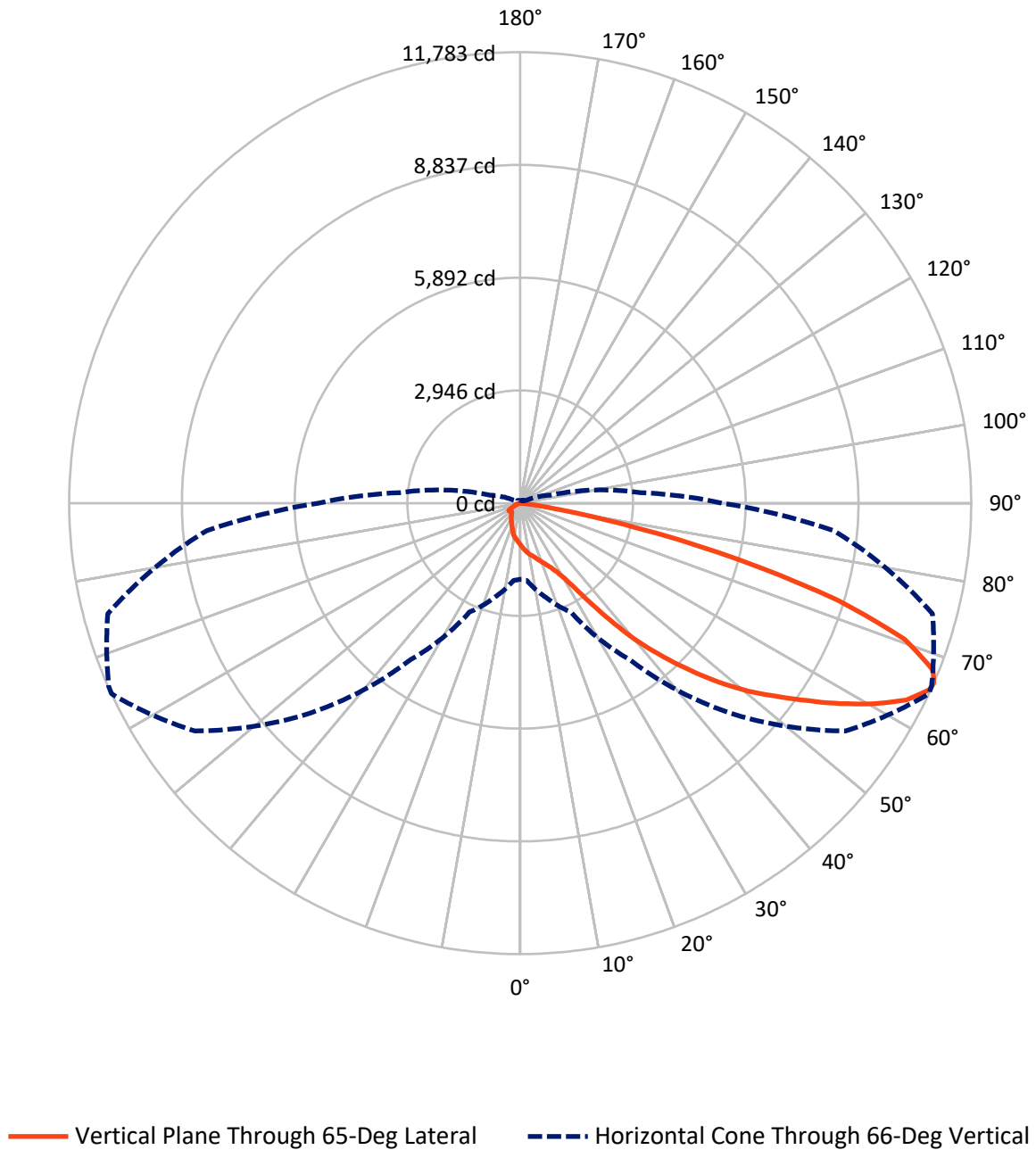
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	1574.4	0.0	1574.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	11765.6	0.0	11765.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	13340.0	0.0	13340.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	0.8
10°-20°	305.0	2.3
20°-30°	558.3	4.2
30°-40°	1134.4	8.5
40°-50°	2395.5	18.0
50°-60°	3682.7	27.6
60°-70°	3706.9	27.8
70°-80°	1385.1	10.4
80°-90°	69.2	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°	13340.0	100.0
0°-180°	13340.0	100.0

Coefficient of Utilization



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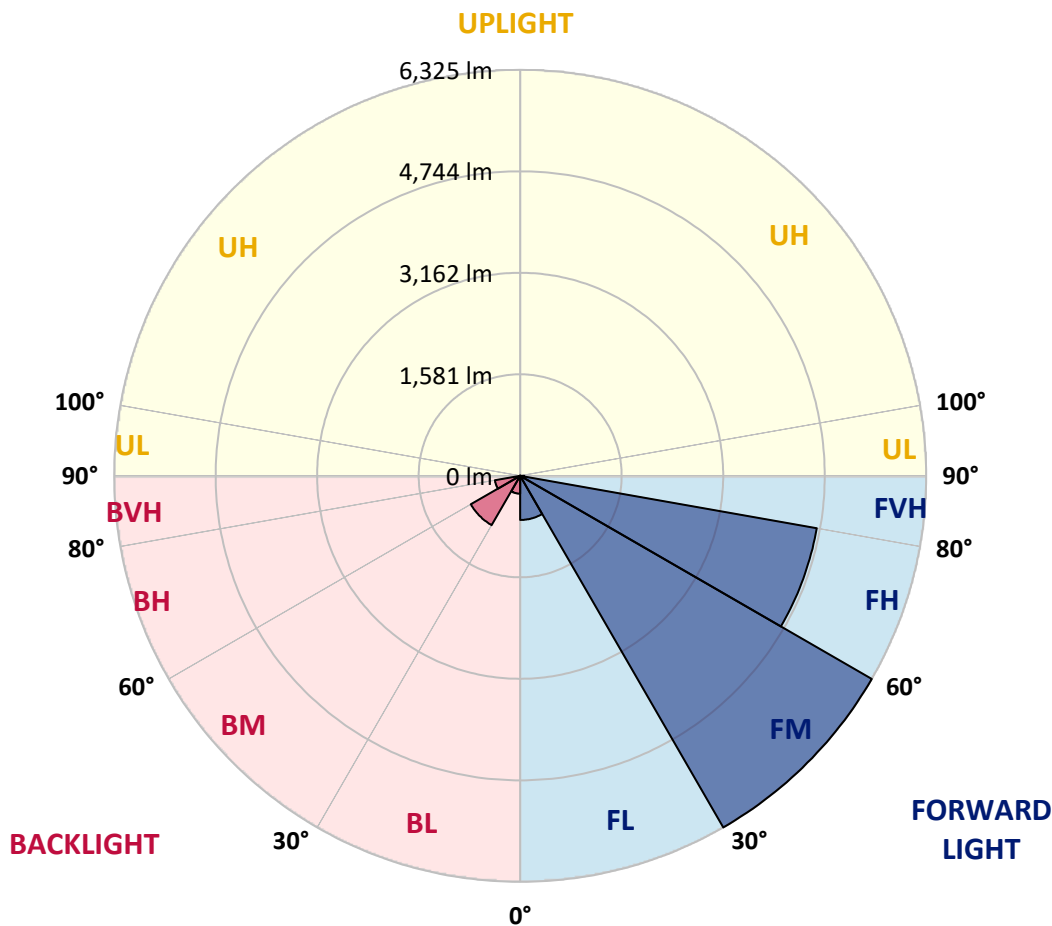
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	687.7	5.2			
FM	(30°-60°)	6324.9	47.4			
FH	(60°-80°)	4692.0	35.2			G2/5000
FVH	(80°-90°)	61.1	0.5			G1/100
BL	(0°-30°)	278.7	2.1	B1/500		
BM	(30°-60°)	887.7	6.7	B1/1000		
BH	(60°-80°)	399.9	3.0	B1/500		G1/500
BVH	(80°-90°)	8.1	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°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8
2.5°	1239.3	1241.8	1236.9	1227.2	1217.5	1205.4	1186.1	1154.6	1149.8	1128.0	1103.8
5°	1324.1	1328.9	1321.6	1319.2	1314.4	1297.4	1270.8	1224.8	1220.0	1176.4	1120.7
7.5°	1353.1	1360.4	1355.5	1355.5	1355.5	1348.3	1336.2	1295.0	1287.7	1232.1	1147.3
10°	1374.9	1379.7	1377.3	1387.0	1394.2	1389.4	1382.1	1357.9	1350.7	1295.0	1183.7
12.5°	1408.8	1411.2	1413.6	1418.5	1430.6	1435.4	1433.0	1411.2	1406.3	1367.6	1229.6
15°	1440.2	1440.2	1442.7	1464.4	1481.4	1491.1	1493.5	1476.5	1471.7	1440.2	1287.7
17.5°	1469.3	1471.7	1479.0	1503.2	1532.2	1551.6	1563.7	1556.4	1549.2	1525.0	1355.5
20°	1512.9	1517.7	1525.0	1558.8	1587.9	1619.4	1643.6	1641.1	1638.7	1621.8	1435.4
22.5°	1587.9	1592.7	1604.8	1636.3	1665.4	1704.1	1745.2	1742.8	1735.5	1723.4	1529.8
25°	1701.7	1701.7	1708.9	1735.5	1771.9	1817.8	1856.6	1863.8	1856.6	1849.3	1648.4
27.5°	1844.5	1846.9	1846.9	1875.9	1909.8	1967.9	2016.3	2023.6	2023.6	2016.3	1808.2
30°	2043.0	2035.7	2030.9	2055.1	2091.4	2176.1	2260.8	2275.3	2268.1	2280.2	2033.3
32.5°	2384.3	2372.2	2331.0	2335.8	2357.6	2473.8	2616.6	2667.5	2665.0	2686.8	2396.4
35°	2856.3	2832.1	2771.5	2720.7	2718.3	2844.2	3062.0	3253.2	3250.8	3325.9	2948.3
37.5°	3388.8	3420.3	3306.5	3219.4	3192.7	3292.0	3572.8	3986.7	4008.5	4139.2	3672.0
40°	4100.4	4119.8	3974.6	3851.1	3725.3	3761.6	4131.9	4775.8	4814.5	4959.7	4395.8
42.5°	4720.1	4739.5	4654.8	4504.7	4344.9	4277.1	4695.9	5492.3	5523.7	5724.6	5141.3
45°	5141.3	5155.8	5184.9	5199.4	5017.8	4877.4	5385.8	6228.1	6266.8	6499.2	5869.9
47.5°	5470.5	5482.6	5540.7	5685.9	5649.6	5538.3	6087.7	6993.0	7002.7	7261.7	6579.1
50°	5623.0	5652.0	5794.8	6017.5	6177.3	6208.8	6850.2	7716.8	7743.4	7990.3	7249.6
52.5°	5453.5	5463.2	5823.9	6242.6	6564.6	6884.1	7615.1	8387.3	8464.7	8648.7	7852.3
55°	4882.3	4952.5	5499.5	6235.4	6869.6	7525.5	8433.3	9111.0	9181.2	9297.4	8382.4
57.5°	4219.0	4296.5	4962.2	5923.1	7000.3	8118.6	9190.9	9880.8	9929.2	9960.6	8869.0
60°	3645.4	3718.0	4403.0	5325.2	6869.6	8537.3	9895.3	10645.7	10686.8	10602.1	9113.4
62.5°	2941.0	3013.6	3703.5	4533.7	6356.4	8622.1	10418.1	11325.8	11342.8	11112.8	8963.4
65°	2217.2	2265.7	2841.7	3553.4	5458.4	8171.8	10536.7	11749.4	11732.5	11260.5	8513.1
66°	1987.3	2028.4	2536.8	3141.9	4991.2	7760.3	10377.0	11783.3	11766.4	11151.6	8217.8
67.5°	1713.8	1725.9	2144.6	2570.6	4175.5	6886.5	9890.4	11628.4	11642.9	10851.4	7678.0
70°	1338.6	1336.2	1578.2	1788.8	2851.4	4899.2	8249.3	10652.9	10723.1	9718.6	6547.6
72.5°	856.9	827.8	968.2	1094.1	1660.5	2844.2	6015.1	8682.6	8801.2	7634.5	4877.4
75°	510.7	481.7	515.6	547.0	796.4	1367.6	3536.4	5908.6	6022.4	4894.4	2902.3
77.5°	382.4	370.3	372.8	346.1	353.4	513.2	1614.5	3122.5	3204.8	2004.2	1101.4
80°	292.9	261.4	244.5	256.6	232.4	203.3	600.3	1074.7	1125.6	474.4	230.0
82.5°	196.1	169.4	157.3	171.9	147.7	113.8	145.2	208.2	203.3	128.3	89.6
85°	101.7	87.1	87.1	87.1	75.0	55.7	62.9	84.7	84.7	67.8	53.3
87.5°	29.0	26.6	31.5	29.0	21.8	21.8	24.2	29.0	29.0	26.6	24.2
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°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8
2.5°	1084.4	1074.7	1048.1	1028.7	1009.4	992.4	973.1	968.2	958.5	961.0	956.1
5°	1091.7	1065.0	1019.1	975.5	941.6	912.6	876.2	861.7	842.4	835.1	830.3
7.5°	1101.4	1062.6	994.9	934.3	876.2	818.2	760.1	726.2	704.4	694.7	687.4
10°	1123.1	1072.3	982.8	888.3	789.1	706.8	648.7	624.5	610.0	607.6	605.1
12.5°	1152.2	1086.8	970.6	830.3	699.5	622.1	585.8	578.5	576.1	576.1	573.7
15°	1195.8	1111.0	951.3	762.5	629.3	576.1	559.2	547.0	542.2	542.2	542.2
17.5°	1239.3	1140.1	922.2	692.3	580.9	547.0	530.1	522.8	518.0	520.4	518.0
20°	1295.0	1174.0	883.5	631.8	549.5	522.8	505.9	498.6	496.2	496.2	496.2
22.5°	1357.9	1212.7	835.1	585.8	522.8	498.6	481.7	474.4	469.6	472.0	472.0
25°	1442.7	1261.1	784.3	539.8	496.2	474.4	455.1	445.4	445.4	447.8	450.2
27.5°	1551.6	1319.2	733.4	510.7	472.0	450.2	428.4	418.8	421.2	426.0	426.0
30°	1711.3	1399.1	682.6	479.3	445.4	421.2	401.8	392.1	397.0	406.7	406.7
32.5°	1938.9	1529.8	639.0	443.0	406.7	380.0	360.7	353.4	365.5	384.9	384.9
35°	2345.5	1769.4	612.4	406.7	365.5	334.0	309.8	302.6	319.5	343.7	343.7
37.5°	2890.2	2154.3	622.1	375.2	331.6	295.3	268.7	259.0	271.1	292.9	300.2
40°	3497.7	2619.1	706.8	348.6	300.2	263.8	237.2	227.5	234.8	244.5	246.9
42.5°	4105.3	3112.8	866.6	329.2	275.9	237.2	213.0	205.7	210.6	213.0	215.4
45°	4710.4	3601.8	1067.5	317.1	254.2	215.4	191.2	191.2	193.6	193.6	193.6
47.5°	5284.1	4078.7	1278.1	314.7	234.8	193.6	174.3	176.7	176.7	179.1	179.1
50°	5826.3	4504.7	1491.1	321.9	217.9	174.3	159.8	159.8	159.8	162.2	159.8
52.5°	6279.0	4877.4	1713.8	334.0	200.9	159.8	145.2	145.2	145.2	147.7	145.2
55°	6707.4	5216.3	1941.3	351.0	186.4	147.7	133.1	128.3	128.3	130.7	128.3
57.5°	7056.0	5441.4	2156.7	353.4	174.3	135.6	123.4	116.2	116.2	116.2	116.2
60°	7070.5	5310.7	2219.7	309.8	159.8	123.4	111.3	101.7	104.1	104.1	104.1
62.5°	6608.1	4623.3	1784.0	232.4	142.8	111.3	101.7	92.0	92.0	92.0	92.0
65°	5700.4	3597.0	1045.7	184.0	123.4	99.2	89.6	82.3	82.3	82.3	79.9
66°	5274.4	3154.0	801.2	167.0	116.2	96.8	87.1	79.9	77.5	75.0	75.0
67.5°	4579.7	2493.2	501.1	147.7	106.5	89.6	79.9	72.6	70.2	67.8	67.8
70°	3449.3	1583.1	244.5	113.8	92.0	77.5	70.2	62.9	60.5	58.1	55.7
72.5°	2420.6	927.1	128.3	87.1	75.0	67.8	60.5	53.3	50.8	48.4	48.4
75°	1367.6	447.8	84.7	62.9	60.5	55.7	50.8	43.6	41.1	41.1	41.1
77.5°	518.0	154.9	58.1	46.0	48.4	43.6	36.3	36.3	33.9	36.3	33.9
80°	135.6	67.8	36.3	33.9	36.3	31.5	26.6	29.0	29.0	29.0	29.0
82.5°	72.6	38.7	21.8	24.2	21.8	21.8	16.9	19.4	21.8	19.4	21.8
85°	50.8	19.4	12.1	12.1	9.7	9.7	7.3	9.7	12.1	9.7	9.7
87.5°	26.6	7.3	7.3	7.3	7.3	4.8	2.4	0.0	2.4	2.4	2.4
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)