

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: P1210068

Luminaire Tested: **ARCH2-100-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-100-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 760mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8092 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 103.3
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

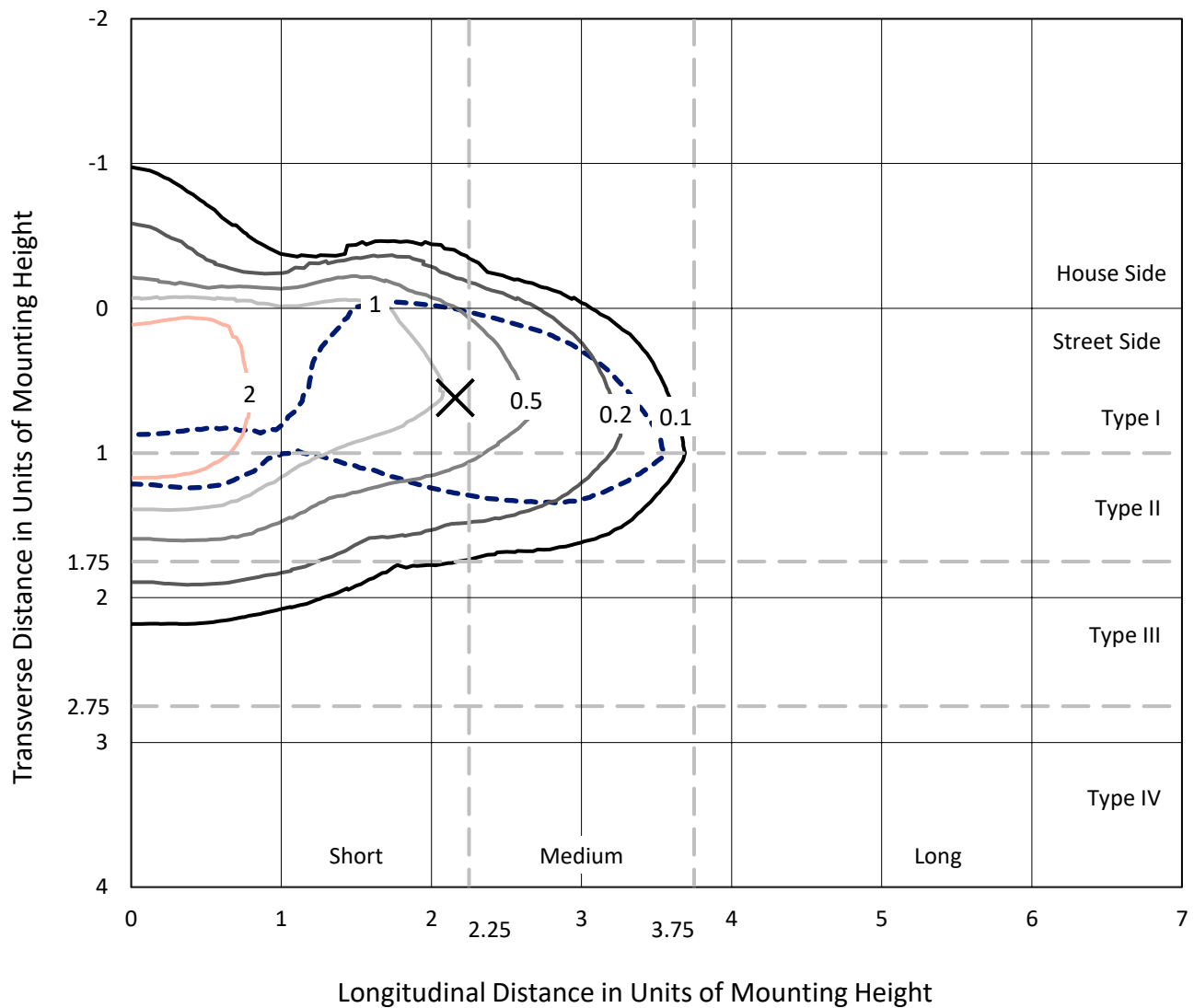


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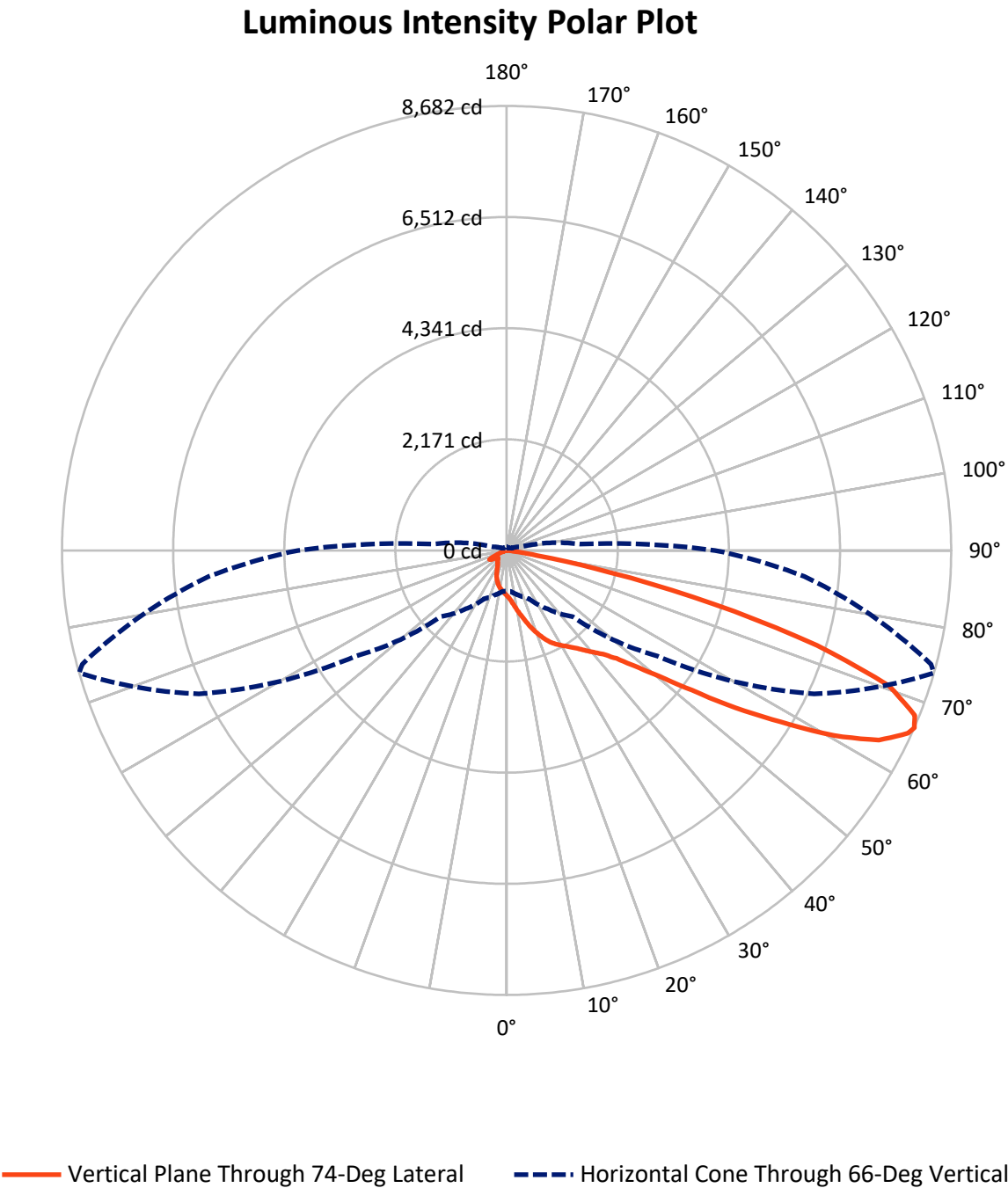
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	793.3	0.0	793.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	7298.7	0.0	7298.7
	% Fixture	90.2	0.0	90.2
Total	Lumens	8092.0	0.0	8092.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.1
10°-20°	276.4	3.4
20°-30°	527.5	6.5
30°-40°	924.6	11.4
40°-50°	1585.4	19.6
50°-60°	2061.9	25.5
60°-70°	1866.5	23.1
70°-80°	720.2	8.9
80°-90°	43.3	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°	8092.0	100.0
0°-180°	8092.0	100.0

Coefficient of Utilization



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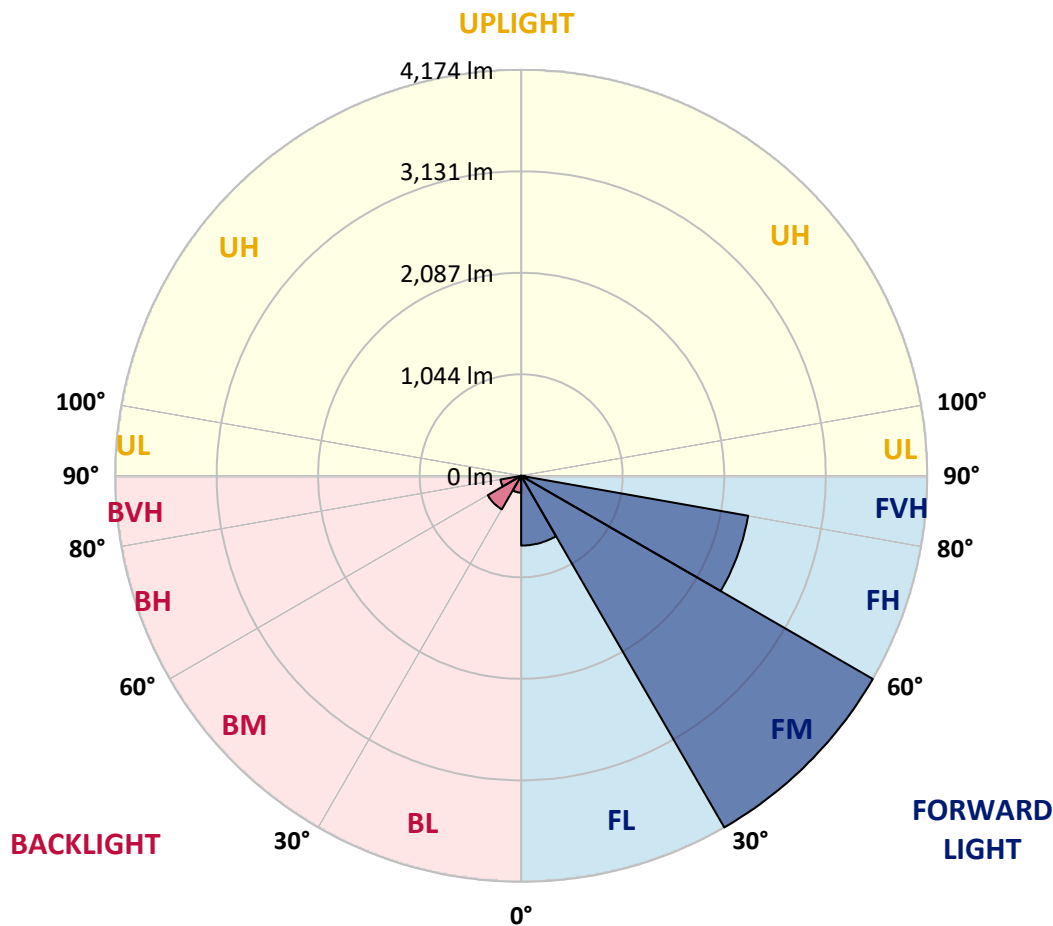
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	717.1	8.9			
FM	(30°-60°)	4174.3	51.6			
FH	(60°-80°)	2369.9	29.3			G2/5000
FVH	(80°-90°)	37.5	0.5			G1/100
BL	(0°-30°)	173.0	2.1	B1/500		
BM	(30°-60°)	397.6	4.9	B1/1000		
BH	(60°-80°)	216.9	2.7	B1/500		G1/500
BVH	(80°-90°)	5.8	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3
2.5°	1060.6	1051.8	1035.9	1034.4	1021.3	1005.3	977.7	948.7	928.3	925.4	900.7
5°	1269.8	1265.4	1249.4	1239.3	1214.6	1176.8	1112.9	1048.9	995.2	989.4	934.2
7.5°	1325.0	1327.9	1330.8	1340.9	1332.2	1314.8	1266.9	1176.8	1092.5	1079.4	983.6
10°	1333.7	1330.8	1330.8	1343.9	1368.6	1393.2	1387.4	1310.4	1201.5	1185.5	1051.8
12.5°	1428.1	1432.5	1422.3	1416.5	1412.1	1425.2	1468.8	1435.4	1316.3	1303.2	1134.6
15°	1550.2	1548.7	1534.2	1534.2	1521.1	1499.3	1526.9	1551.6	1454.3	1438.3	1229.1
17.5°	1638.8	1644.6	1643.1	1651.9	1647.5	1618.4	1603.9	1654.8	1596.6	1576.3	1336.6
20°	1710.0	1725.9	1731.8	1759.4	1772.4	1752.1	1714.3	1746.3	1733.2	1714.3	1445.6
22.5°	1785.5	1798.6	1808.8	1856.7	1893.0	1888.7	1840.7	1833.5	1865.4	1848.0	1553.1
25°	1861.1	1866.9	1897.4	1955.5	2013.6	2028.1	1978.7	1922.1	1984.5	1968.6	1648.9
27.5°	1943.9	1946.8	1983.1	2054.3	2135.6	2166.1	2126.9	2022.3	2076.1	2076.1	1736.1
30°	2095.0	2124.0	2138.5	2202.5	2273.7	2315.8	2269.3	2128.4	2157.4	2170.5	1827.6
32.5°	2420.4	2424.7	2420.4	2448.0	2462.5	2487.2	2433.5	2247.5	2240.2	2254.8	1917.7
35°	2917.3	2899.8	2853.3	2812.7	2728.4	2681.9	2612.2	2400.1	2341.9	2362.3	2006.3
37.5°	3520.2	3495.5	3389.4	3264.5	3084.3	2898.4	2811.2	2586.0	2471.2	2497.4	2102.2
40°	4095.5	4079.5	3953.1	3799.1	3491.1	3172.9	2988.4	2742.9	2615.1	2625.2	2199.6
42.5°	4569.1	4566.2	4460.1	4298.9	3903.7	3469.3	3197.6	2896.9	2766.2	2782.1	2301.3
45°	4927.9	4900.3	4821.9	4705.7	4303.2	3777.3	3450.4	3130.8	3008.8	3027.7	2453.8
47.5°	4927.9	4932.3	4983.2	4971.5	4582.2	4066.4	3726.5	3425.7	3367.6	3385.1	2705.1
50°	4527.0	4567.7	4794.3	4984.6	4727.5	4291.6	4024.3	3794.8	3854.3	3880.5	3143.9
52.5°	3733.7	3802.0	4195.7	4630.1	4620.0	4404.9	4332.3	4264.0	4531.3	4577.8	3791.8
55°	2837.3	2882.4	3395.2	3966.2	4152.1	4312.0	4601.1	4859.7	5427.7	5417.5	4450.0
57.5°	2119.7	2161.8	2603.4	3236.9	3482.4	3909.5	4739.1	5541.0	6316.8	6356.1	5067.4
60°	1558.9	1590.8	1967.1	2487.2	2841.7	3293.5	4683.9	6212.2	7341.1	7296.0	5612.2
62.5°	1153.5	1171.0	1442.6	1781.2	2251.9	2683.4	4336.7	6671.3	8159.0	8067.5	5915.9
65°	892.0	897.8	1038.8	1218.9	1637.3	2086.2	3819.5	6741.1	8610.8	8513.5	5910.1
66°	794.7	799.0	902.2	1041.7	1393.2	1826.2	3592.8	6629.2	8682.0	8578.9	5837.4
67.5°	666.8	663.9	725.0	816.5	1046.0	1409.2	3190.4	6302.3	8597.8	8545.5	5605.0
70°	494.0	495.4	525.9	547.7	611.6	780.2	2304.2	5466.9	7923.7	7920.7	4967.2
72.5°	366.1	370.5	393.7	398.1	382.1	422.8	1327.9	4348.3	6338.6	6340.1	3713.4
75°	274.6	281.8	289.1	292.0	277.5	267.3	600.0	2926.0	4169.6	4139.1	2102.2
77.5°	209.2	212.1	217.9	213.6	210.7	184.5	249.9	1426.7	2058.6	1875.6	681.4
80°	152.5	152.5	158.4	152.5	151.1	132.2	136.6	457.6	604.4	502.7	146.7
82.5°	95.9	94.4	98.8	97.3	94.4	84.3	79.9	127.8	139.5	124.9	71.2
85°	53.8	52.3	50.8	49.4	45.0	37.8	43.6	47.9	63.9	65.4	50.8
87.5°	18.9	18.9	17.4	16.0	13.1	13.1	16.0	16.0	23.2	23.2	26.2
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°	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3
2.5°	889.1	873.1	849.9	819.4	797.6	775.8	752.6	739.5	720.6	716.2	722.0
5°	905.1	876.0	817.9	754.0	698.8	649.4	602.9	575.3	547.7	537.5	541.9
7.5°	938.5	889.1	790.3	687.2	595.7	521.6	466.4	434.4	409.7	399.5	402.4
10°	987.9	912.4	764.2	611.6	494.0	415.5	369.0	348.7	334.1	328.3	329.8
12.5°	1047.5	945.8	730.8	536.1	406.8	338.5	316.7	312.4	309.4	306.5	308.0
15°	1114.3	974.8	691.5	462.0	338.5	300.7	293.5	292.0	290.6	290.6	290.6
17.5°	1184.0	1001.0	648.0	392.3	294.9	277.5	273.1	273.1	273.1	274.6	274.6
20°	1249.4	1021.3	597.1	329.8	270.2	255.7	252.8	252.8	254.2	255.7	255.7
22.5°	1313.3	1030.0	537.5	286.2	249.9	236.8	232.5	232.5	232.5	233.9	233.9
25°	1368.6	1030.0	478.0	258.6	232.5	219.4	213.6	212.1	213.6	213.6	213.6
27.5°	1415.0	1025.7	419.9	239.7	215.0	201.9	196.1	194.7	197.6	199.0	199.0
30°	1464.4	1019.9	373.4	222.3	200.5	187.4	181.6	181.6	186.0	191.8	191.8
32.5°	1512.4	1024.2	337.1	207.8	186.0	175.8	170.0	171.4	180.1	188.9	188.9
35°	1563.2	1033.0	315.3	197.6	175.8	165.6	161.3	165.6	174.3	183.1	183.1
37.5°	1614.1	1043.1	302.2	188.9	167.1	156.9	154.0	159.8	170.0	178.7	180.1
40°	1667.8	1051.8	287.7	180.1	161.3	149.6	148.2	154.0	167.1	175.8	177.2
42.5°	1734.7	1069.3	270.2	172.9	155.5	140.9	142.4	146.7	159.8	172.9	174.3
45°	1865.4	1124.5	252.8	165.6	148.2	136.6	133.7	136.6	151.1	165.6	168.5
47.5°	2110.9	1249.4	233.9	158.4	140.9	133.7	122.0	124.9	138.0	154.0	155.5
50°	2581.7	1515.3	223.7	151.1	135.1	123.5	110.4	110.4	120.6	135.1	135.1
52.5°	3315.3	1991.8	229.5	145.3	127.8	113.3	100.2	98.8	104.6	114.8	114.8
55°	4107.1	2514.8	251.3	139.5	119.1	107.5	93.0	85.7	90.1	95.9	95.9
57.5°	4734.7	2777.8	310.9	136.6	109.0	103.1	84.3	74.1	78.5	84.3	84.3
60°	5010.8	2623.8	377.7	139.5	101.7	95.9	75.5	65.4	72.6	78.5	79.9
62.5°	4787.0	2160.3	405.3	132.2	91.5	85.7	74.1	61.0	69.7	74.1	75.5
65°	4303.2	1641.7	316.7	114.8	84.3	74.1	66.8	58.1	65.4	69.7	69.7
66°	4073.7	1431.0	270.2	106.1	81.4	69.7	63.9	58.1	63.9	66.8	68.3
67.5°	3717.8	1128.8	200.5	93.0	75.5	63.9	59.6	55.2	61.0	63.9	63.9
70°	2907.1	672.7	120.6	72.6	65.4	56.7	53.8	50.8	55.2	56.7	56.7
72.5°	1820.4	319.6	77.0	53.8	55.2	53.8	45.0	47.9	49.4	50.8	50.8
75°	881.9	126.4	52.3	39.2	45.0	50.8	36.3	42.1	43.6	46.5	45.0
77.5°	245.5	61.0	33.4	29.1	39.2	39.2	27.6	33.4	39.2	49.4	45.0
80°	71.2	39.2	21.8	21.8	27.6	27.6	18.9	23.2	26.2	29.1	30.5
82.5°	49.4	26.2	14.5	16.0	16.0	17.4	11.6	11.6	14.5	14.5	16.0
85°	39.2	11.6	8.7	10.2	7.3	8.7	5.8	5.8	7.3	5.8	5.8
87.5°	16.0	5.8	5.8	5.8	4.4	4.4	2.9	1.5	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)