

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: P1210260

Luminaire Tested: **ARCH2-70-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210260
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: ARCH2-70-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 555mA 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: 6376 lumens
Efficiency: N/A
Efficacy: 86.6 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): 73.6
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



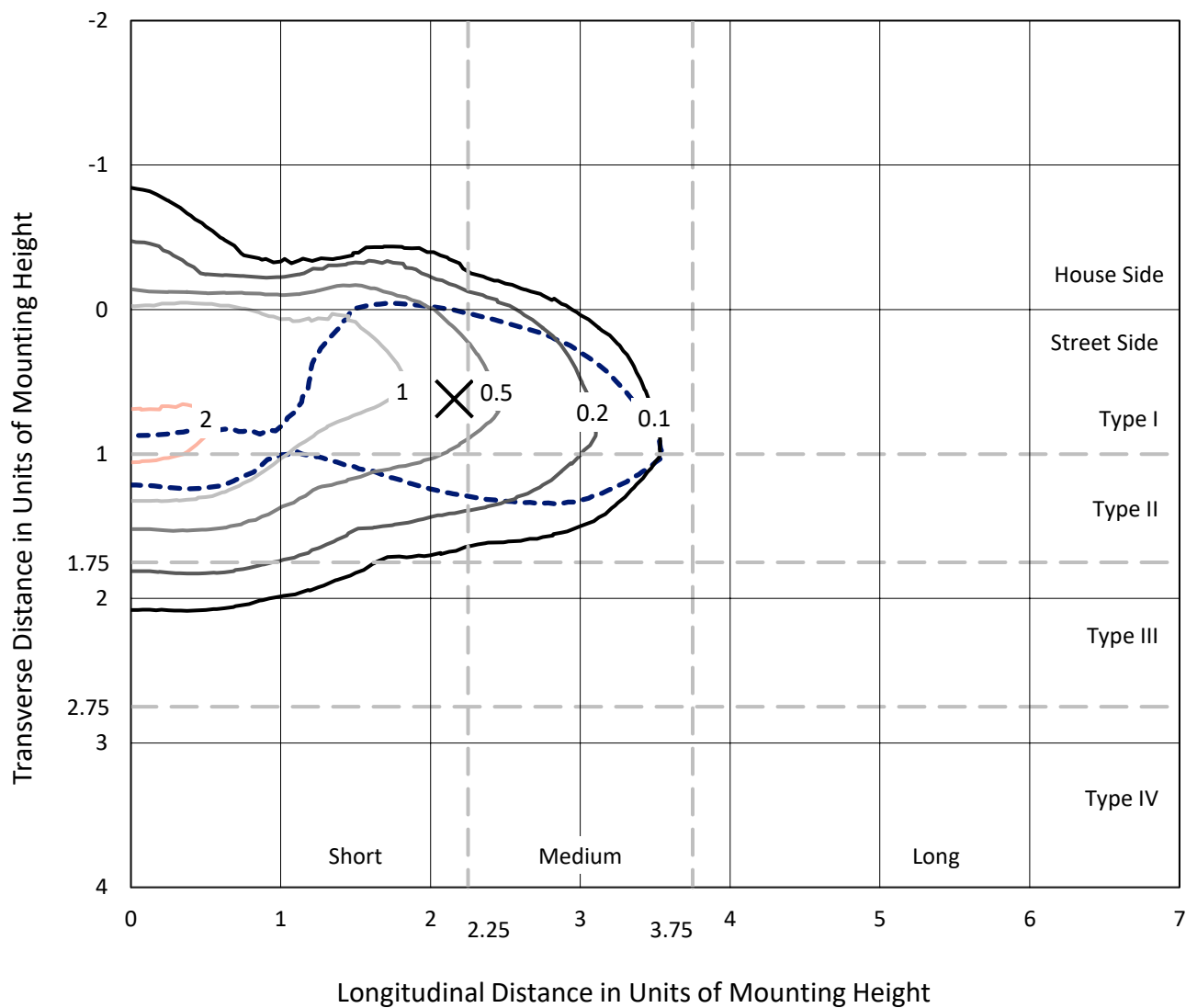
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

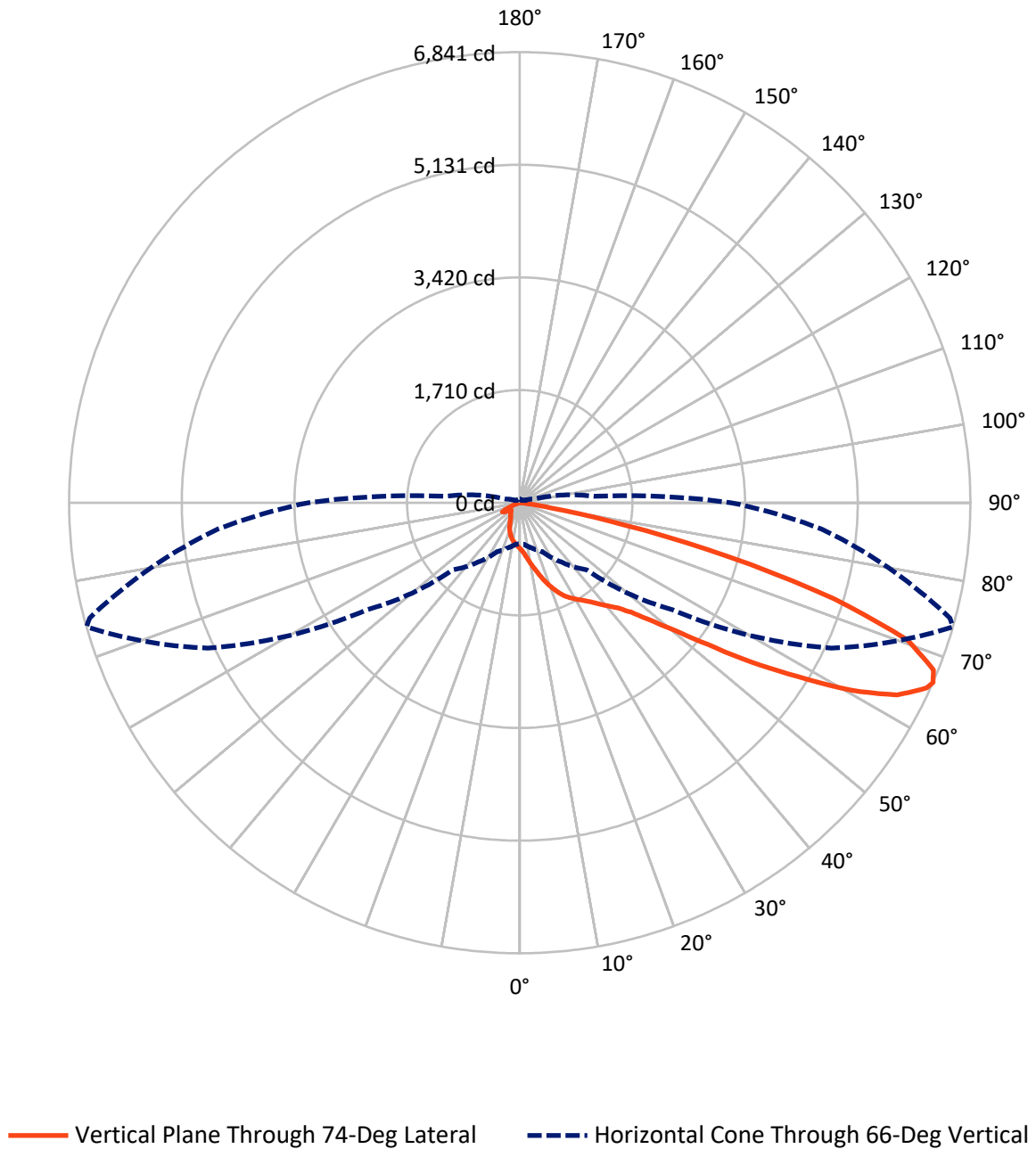


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	625.0	0.0	625.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5751.0	0.0	5751.0
	% Fixture	90.2	0.0	90.2
Total	Lumens	6376.0	0.0	6376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	1.1
10°-20°	217.8	3.4
20°-30°	415.6	6.5
30°-40°	728.5	11.4
40°-50°	1249.2	19.6
50°-60°	1624.7	25.5
60°-70°	1470.7	23.1
70°-80°	567.5	8.9
80°-90°	34.1	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°	6376.0	100.0
0°-180°	6376.0	100.0

Coefficient of Utilization



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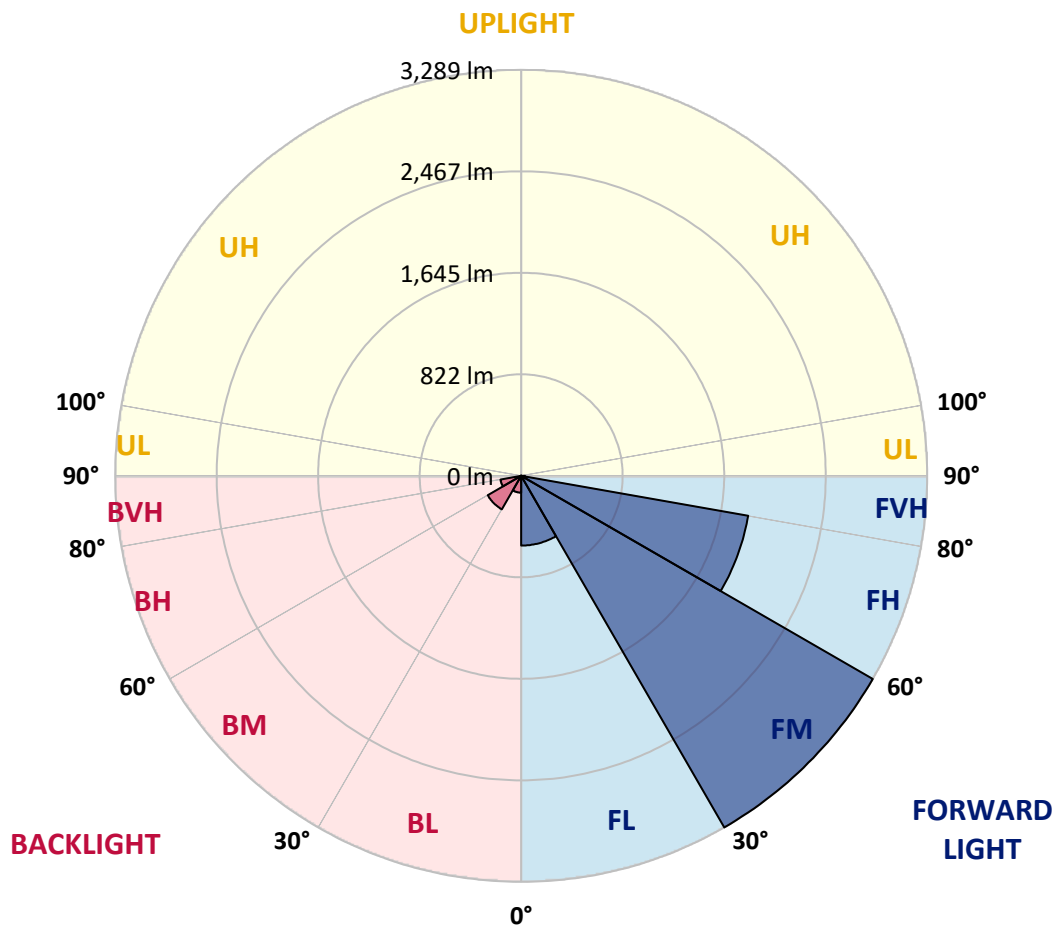
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	565.0	8.9			
FM	(30°-60°)	3289.1	51.6			
FH	(60°-80°)	1867.3	29.3			G2/5000
FVH	(80°-90°)	29.6	0.5			G1/100
BL	(0°-30°)	136.3	2.1	B1/500		
BM	(30°-60°)	313.3	4.9	B1/1000		
BH	(60°-80°)	170.9	2.7	B1/500		G1/500
BVH	(80°-90°)	4.6	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°	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0
2.5°	835.7	828.8	816.2	815.0	804.7	792.2	770.4	747.5	731.5	729.2	709.7
5°	1000.5	997.1	984.5	976.5	957.0	927.2	876.9	826.5	784.1	779.6	736.1
7.5°	1044.0	1046.3	1048.6	1056.6	1049.7	1036.0	998.2	927.2	860.8	850.5	775.0
10°	1050.9	1048.6	1048.6	1058.9	1078.3	1097.8	1093.2	1032.5	946.7	934.1	828.8
12.5°	1125.3	1128.7	1120.7	1116.1	1112.7	1123.0	1157.3	1131.0	1037.1	1026.8	894.0
15°	1221.4	1220.3	1208.8	1208.8	1198.5	1181.4	1203.1	1222.6	1145.9	1133.3	968.4
17.5°	1291.3	1295.8	1294.7	1301.6	1298.1	1275.2	1263.8	1303.8	1258.1	1242.0	1053.2
20°	1347.3	1359.9	1364.5	1386.3	1396.6	1380.5	1350.8	1376.0	1365.7	1350.8	1139.0
22.5°	1406.9	1417.2	1425.2	1463.0	1491.6	1488.1	1450.4	1444.6	1469.8	1456.1	1223.7
25°	1466.4	1471.0	1495.0	1540.8	1586.6	1598.0	1559.1	1514.5	1563.7	1551.1	1299.3
27.5°	1531.6	1533.9	1562.6	1618.6	1682.8	1706.8	1675.9	1593.5	1635.8	1635.8	1368.0
30°	1650.7	1673.6	1685.0	1735.4	1791.5	1824.7	1788.1	1677.0	1699.9	1710.2	1440.1
32.5°	1907.1	1910.6	1907.1	1928.9	1940.3	1959.8	1917.4	1770.9	1765.2	1776.6	1511.0
35°	2298.6	2284.9	2248.2	2216.2	2149.8	2113.2	2058.2	1891.1	1845.3	1861.3	1580.9
37.5°	2773.7	2754.2	2670.7	2572.2	2430.3	2283.7	2215.1	2037.6	1947.2	1967.8	1656.4
40°	3227.0	3214.4	3114.8	2993.5	2750.8	2500.1	2354.7	2161.2	2060.5	2068.5	1733.1
42.5°	3600.2	3597.9	3514.3	3387.3	3075.9	2733.6	2519.5	2282.6	2179.6	2192.2	1813.3
45°	3882.9	3861.2	3799.4	3707.8	3390.7	2976.3	2718.7	2466.9	2370.7	2385.6	1933.4
47.5°	3882.9	3886.4	3926.4	3917.3	3610.5	3204.1	2936.2	2699.3	2653.5	2667.2	2131.5
50°	3567.0	3599.0	3777.6	3927.6	3724.9	3381.5	3170.9	2990.0	3037.0	3057.6	2477.2
52.5°	2942.0	2995.8	3306.0	3648.3	3640.2	3470.8	3413.6	3359.8	3570.4	3607.0	2987.7
55°	2235.7	2271.1	2675.2	3125.1	3271.6	3397.6	3625.4	3829.1	4276.7	4268.7	3506.3
57.5°	1670.2	1703.4	2051.4	2550.5	2743.9	3080.5	3734.1	4366.0	4977.3	5008.2	3992.8
60°	1228.3	1253.5	1550.0	1959.8	2239.1	2595.1	3690.6	4894.9	5784.3	5748.8	4422.1
62.5°	908.9	922.7	1136.7	1403.4	1774.3	2114.3	3417.0	5256.6	6428.8	6356.7	4661.3
65°	702.9	707.4	818.5	960.4	1290.1	1643.8	3009.5	5311.5	6784.8	6708.1	4656.8
66°	626.2	629.6	710.9	820.8	1097.8	1438.9	2830.9	5223.4	6840.9	6759.6	4599.5
67.5°	525.4	523.1	571.2	643.3	824.2	1110.4	2513.8	4965.8	6774.5	6733.3	4416.4
70°	389.2	390.4	414.4	431.6	481.9	614.7	1815.5	4307.6	6243.4	6241.1	3913.8
72.5°	288.5	291.9	310.2	313.7	301.1	333.1	1046.3	3426.2	4994.5	4995.6	2925.9
75°	216.4	222.1	227.8	230.1	218.6	210.6	472.8	2305.5	3285.4	3261.3	1656.4
77.5°	164.8	167.1	171.7	168.3	166.0	145.4	196.9	1124.1	1622.1	1477.8	536.9
80°	120.2	120.2	124.8	120.2	119.1	104.2	107.6	360.6	476.2	396.1	115.6
82.5°	75.6	74.4	77.8	76.7	74.4	66.4	63.0	100.7	109.9	98.4	56.1
85°	42.4	41.2	40.1	38.9	35.5	29.8	34.3	37.8	50.4	51.5	40.1
87.5°	14.9	14.9	13.7	12.6	10.3	10.3	12.6	12.6	18.3	18.3	20.6
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°	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0
2.5°	700.6	688.0	669.7	645.6	628.5	611.3	593.0	582.7	567.8	564.4	568.9
5°	713.2	690.3	644.5	594.1	550.6	511.7	475.1	453.3	431.6	423.5	427.0
7.5°	739.5	700.6	622.7	541.5	469.3	411.0	367.5	342.3	322.8	314.8	317.1
10°	778.4	718.9	602.1	481.9	389.2	327.4	290.8	274.7	263.3	258.7	259.9
12.5°	825.3	745.2	575.8	422.4	320.5	266.7	249.6	246.1	243.8	241.5	242.7
15°	878.0	768.1	544.9	364.0	266.7	237.0	231.2	230.1	228.9	228.9	228.9
17.5°	933.0	788.7	510.5	309.1	232.4	218.6	215.2	215.2	215.2	216.4	216.4
20°	984.5	804.7	470.5	259.9	212.9	201.5	199.2	199.2	200.3	201.5	201.5
22.5°	1034.8	811.6	423.5	225.5	196.9	186.6	183.2	183.2	183.2	184.3	184.3
25°	1078.3	811.6	376.6	203.8	183.2	172.9	168.3	167.1	168.3	168.3	168.3
27.5°	1115.0	808.2	330.8	188.9	169.4	159.1	154.5	153.4	155.7	156.8	156.8
30°	1153.9	803.6	294.2	175.1	158.0	147.7	143.1	143.1	146.5	151.1	151.1
32.5°	1191.7	807.0	265.6	163.7	146.5	138.5	133.9	135.1	141.9	148.8	148.8
35°	1231.7	813.9	248.4	155.7	138.5	130.5	127.1	130.5	137.4	144.2	144.2
37.5°	1271.8	821.9	238.1	148.8	131.6	123.6	121.3	125.9	133.9	140.8	141.9
40°	1314.1	828.8	226.7	141.9	127.1	117.9	116.8	121.3	131.6	138.5	139.7
42.5°	1366.8	842.5	212.9	136.2	122.5	111.0	112.2	115.6	125.9	136.2	137.4
45°	1469.8	886.0	199.2	130.5	116.8	107.6	105.3	107.6	119.1	130.5	132.8
47.5°	1663.3	984.5	184.3	124.8	111.0	105.3	96.2	98.4	108.7	121.3	122.5
50°	2034.2	1194.0	176.3	119.1	106.5	97.3	87.0	87.0	95.0	106.5	106.5
52.5°	2612.3	1569.4	180.9	114.5	100.7	89.3	79.0	77.8	82.4	90.4	90.4
55°	3236.2	1981.5	198.0	109.9	93.9	84.7	73.3	67.5	71.0	75.6	75.6
57.5°	3730.7	2188.7	245.0	107.6	85.9	81.3	66.4	58.4	61.8	66.4	66.4
60°	3948.2	2067.4	297.6	109.9	80.1	75.6	59.5	51.5	57.2	61.8	63.0
62.5°	3771.9	1702.2	319.4	104.2	72.1	67.5	58.4	48.1	54.9	58.4	59.5
65°	3390.7	1293.5	249.6	90.4	66.4	58.4	52.7	45.8	51.5	54.9	54.9
66°	3209.8	1127.6	212.9	83.6	64.1	54.9	50.4	45.8	50.4	52.7	53.8
67.5°	2929.4	889.5	158.0	73.3	59.5	50.4	46.9	43.5	48.1	50.4	50.4
70°	2290.6	530.0	95.0	57.2	51.5	44.6	42.4	40.1	43.5	44.6	44.6
72.5°	1434.3	251.8	60.7	42.4	43.5	42.4	35.5	37.8	38.9	40.1	40.1
75°	694.9	99.6	41.2	30.9	35.5	40.1	28.6	33.2	34.3	36.6	35.5
77.5°	193.5	48.1	26.3	22.9	30.9	30.9	21.7	26.3	30.9	38.9	35.5
80°	56.1	30.9	17.2	17.2	21.7	21.7	14.9	18.3	20.6	22.9	24.0
82.5°	38.9	20.6	11.4	12.6	12.6	13.7	9.2	9.2	11.4	11.4	12.6
85°	30.9	9.2	6.9	8.0	5.7	6.9	4.6	4.6	5.7	4.6	4.6
87.5°	12.6	4.6	4.6	4.6	3.4	3.4	2.3	1.1	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)