

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: P1210526

Luminaire Tested: **ARCH3-150-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210526
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: ARCH3-150-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1170mA 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: 14671 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 150.7
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

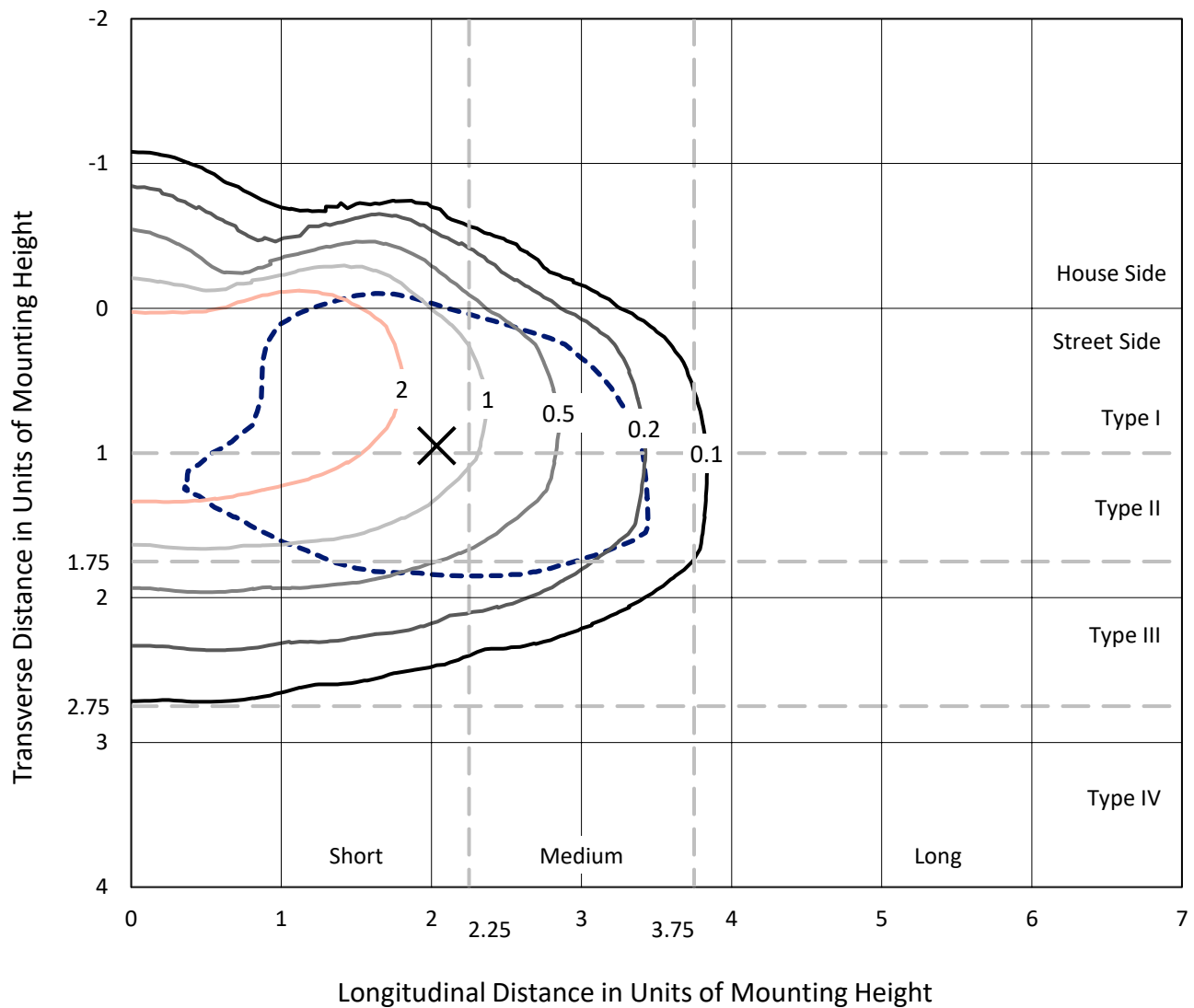


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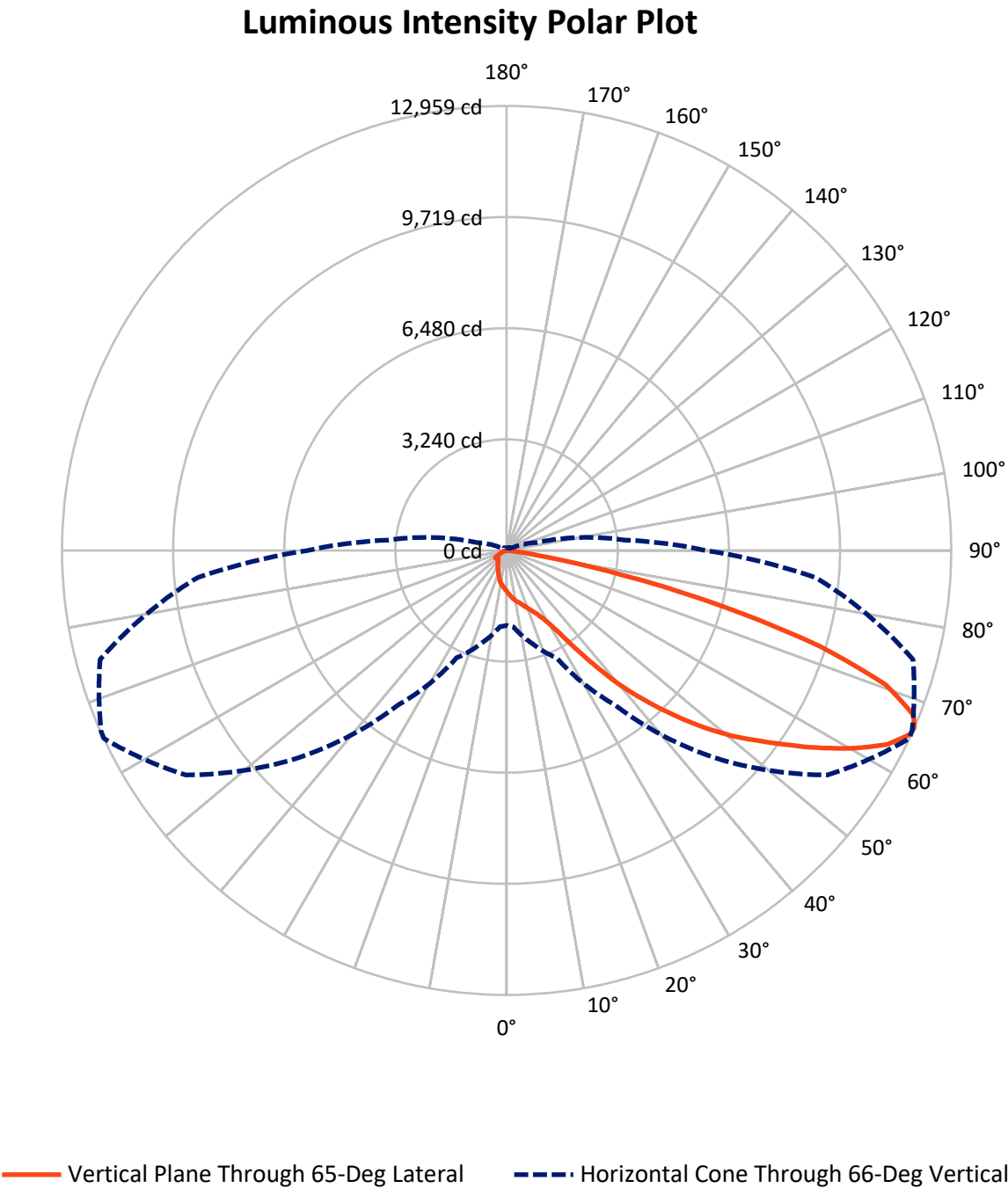
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1731.5	0.0	1731.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	12939.5	0.0	12939.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	14671.0	0.0	14671.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	0.8
10°-20°	335.4	2.3
20°-30°	614.0	4.2
30°-40°	1247.6	8.5
40°-50°	2634.5	18.0
50°-60°	4050.1	27.6
60°-70°	4076.7	27.8
70°-80°	1523.3	10.4
80°-90°	76.1	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°	14671.0	100.0
0°-180°	14671.0	100.0

Coefficient of Utilization



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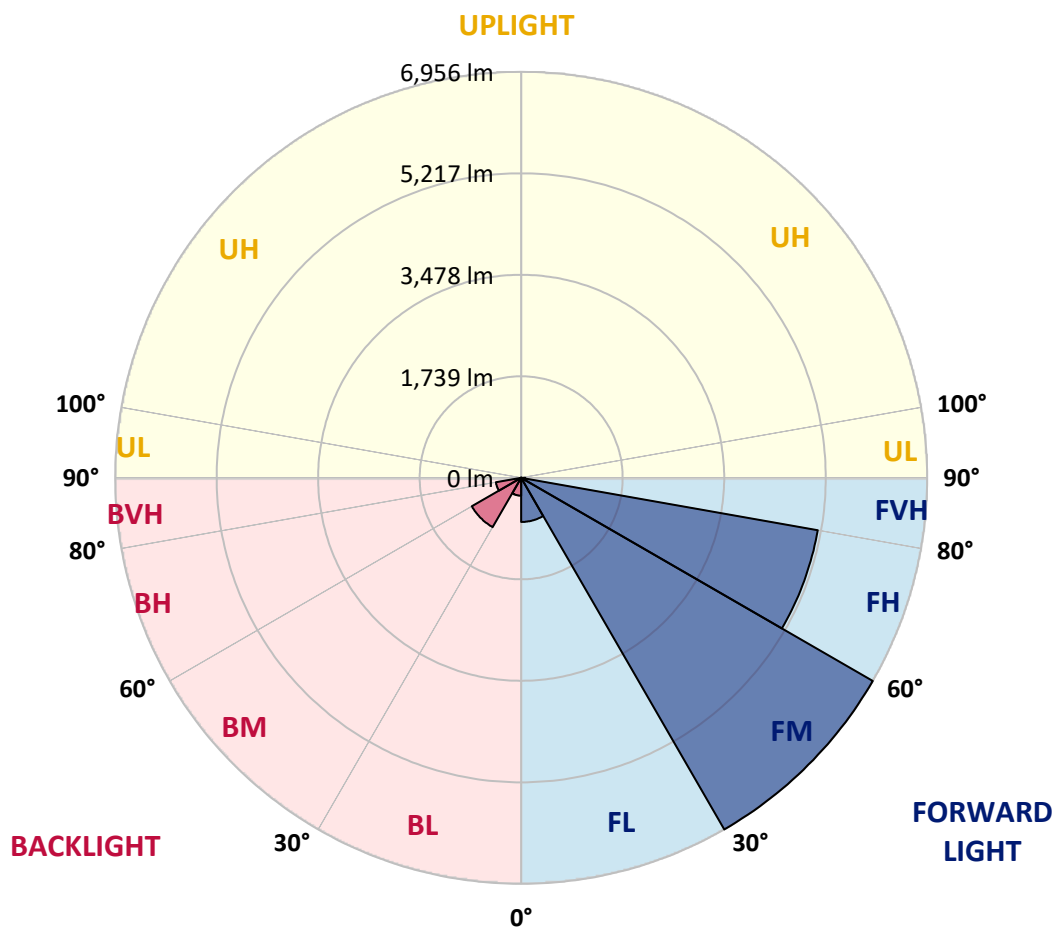
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	756.3	5.2			
FM	(30°-60°)	6956.0	47.4			
FH	(60°-80°)	5160.1	35.2			G3/7500
FVH	(80°-90°)	67.1	0.5			G1/100
BL	(0°-30°)	306.5	2.1	B1/500		
BM	(30°-60°)	976.2	6.7	B1/1000		
BH	(60°-80°)	439.9	3.0	B1/500		G1/500
BVH	(80°-90°)	8.9	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1195.3	1195.3	1195.3	1195.3	1195.3	1195.3	1195.3	1195.3	1195.3	1195.3	1195.3
2.5°	1363.0	1365.6	1360.3	1349.7	1339.0	1325.7	1304.4	1269.8	1264.5	1240.5	1213.9
5°	1456.2	1461.5	1453.5	1450.8	1445.5	1426.9	1397.6	1347.0	1341.7	1293.8	1232.5
7.5°	1488.1	1496.1	1490.8	1490.8	1490.8	1482.8	1469.5	1424.2	1416.2	1355.0	1261.8
10°	1512.1	1517.4	1514.7	1525.4	1533.4	1528.0	1520.0	1493.4	1485.4	1424.2	1301.8
12.5°	1549.3	1552.0	1554.7	1560.0	1573.3	1578.6	1576.0	1552.0	1546.7	1504.1	1352.3
15°	1583.9	1583.9	1586.6	1610.6	1629.2	1639.8	1642.5	1623.9	1618.5	1583.9	1416.2
17.5°	1615.9	1618.5	1626.5	1653.2	1685.1	1706.4	1719.7	1711.7	1703.7	1677.1	1490.8
20°	1663.8	1669.1	1677.1	1714.4	1746.3	1780.9	1807.6	1804.9	1802.2	1783.6	1578.6
22.5°	1746.3	1751.6	1765.0	1799.6	1831.5	1874.1	1919.4	1916.7	1908.7	1895.4	1682.4
25°	1871.4	1871.4	1879.4	1908.7	1948.6	1999.2	2041.8	2049.8	2041.8	2033.8	1812.9
27.5°	2028.5	2031.2	2031.2	2063.1	2100.4	2164.3	2217.5	2225.5	2225.5	2217.5	1988.6
30°	2246.8	2238.8	2233.5	2260.1	2300.0	2393.2	2486.4	2502.4	2494.4	2507.7	2236.1
32.5°	2622.1	2608.8	2563.6	2568.9	2592.9	2720.6	2877.7	2933.6	2930.9	2954.9	2635.5
35°	3141.3	3114.6	3048.1	2992.2	2989.5	3127.9	3367.5	3577.8	3575.2	3657.7	3242.4
37.5°	3726.9	3761.5	3636.4	3540.6	3511.3	3620.4	3929.2	4384.4	4408.4	4552.2	4038.4
40°	4509.6	4530.9	4371.1	4235.4	4096.9	4136.9	4544.2	5252.3	5294.9	5454.6	4834.3
42.5°	5191.1	5212.4	5119.2	4954.1	4778.4	4703.9	5164.4	6040.3	6074.9	6295.8	5654.3
45°	5654.3	5670.2	5702.2	5718.1	5518.5	5364.1	5923.1	6849.5	6892.1	7147.7	6455.5
47.5°	6016.3	6029.6	6093.5	6253.2	6213.3	6090.8	6695.1	7690.7	7701.4	7986.2	7235.5
50°	6184.0	6216.0	6373.0	6617.9	6793.6	6828.2	7533.7	8486.7	8516.0	8787.5	7972.9
52.5°	5997.7	6008.3	6405.0	6865.5	7219.6	7571.0	8374.9	9224.1	9309.3	9511.6	8635.8
55°	5369.4	5446.6	6048.2	6857.5	7555.0	8276.4	9274.7	10020.1	10097.3	10225.0	9218.8
57.5°	4640.0	4725.2	5457.3	6514.1	7698.7	8928.6	10107.9	10866.6	10919.9	10954.5	9753.9
60°	4009.1	4089.0	4842.3	5856.6	7555.0	9389.2	10882.6	11707.8	11753.1	11659.9	10022.7
62.5°	3234.4	3314.3	4073.0	4986.1	6990.6	9482.3	11457.6	12455.9	12474.5	12221.6	9857.7
65°	2438.5	2491.7	3125.3	3907.9	6003.0	8987.2	11588.0	12921.7	12903.1	12384.0	9362.5
66°	2185.6	2230.8	2789.9	3455.4	5489.2	8534.6	11412.3	12959.0	12940.4	12264.2	9037.8
67.5°	1884.8	1898.1	2358.6	2827.1	4592.1	7573.6	10877.3	12788.6	12804.6	11934.1	8444.1
70°	1472.1	1469.5	1735.7	1967.3	3135.9	5388.0	9072.4	11715.8	11793.0	10688.2	7200.9
72.5°	942.4	910.4	1064.8	1203.3	1826.2	3127.9	6615.3	9548.9	9679.3	8396.2	5364.1
75°	561.7	529.8	567.0	601.6	875.8	1504.1	3889.3	6498.1	6623.3	5382.7	3191.8
77.5°	420.6	407.3	410.0	380.7	388.7	564.4	1775.6	3434.1	3524.6	2204.2	1211.2
80°	322.1	287.5	268.9	282.2	255.6	223.6	660.2	1182.0	1237.9	521.8	252.9
82.5°	215.6	186.3	173.0	189.0	162.4	125.1	159.7	228.9	223.6	141.1	98.5
85°	111.8	95.8	95.8	95.8	82.5	61.2	69.2	93.2	93.2	74.5	58.6
87.5°	31.9	29.3	34.6	31.9	24.0	24.0	26.6	31.9	31.9	29.3	26.6
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°	1195.3	1195.3	1195.3	1195.3	1195.3	1195.3	1195.3	1195.3	1195.3	1195.3	1195.3
2.5°	1192.6	1182.0	1152.7	1131.4	1110.1	1091.5	1070.2	1064.8	1054.2	1056.8	1051.5
5°	1200.6	1171.3	1120.7	1072.8	1035.5	1003.6	963.7	947.7	926.4	918.4	913.1
7.5°	1211.2	1168.7	1094.1	1027.6	963.7	899.8	835.9	798.6	774.7	764.0	756.0
10°	1235.2	1179.3	1080.8	977.0	867.8	777.3	713.4	686.8	670.8	668.2	665.5
12.5°	1267.1	1195.3	1067.5	913.1	769.3	684.2	644.2	636.2	633.6	633.6	630.9
15°	1315.1	1221.9	1046.2	838.6	692.1	633.6	614.9	601.6	596.3	596.3	596.3
17.5°	1363.0	1253.8	1014.3	761.4	638.9	601.6	583.0	575.0	569.7	572.3	569.7
20°	1424.2	1291.1	971.7	694.8	604.3	575.0	556.4	548.4	545.7	545.7	545.7
22.5°	1493.4	1333.7	918.4	644.2	575.0	548.4	529.8	521.8	516.4	519.1	519.1
25°	1586.6	1386.9	862.5	593.6	545.7	521.8	500.5	489.8	489.8	492.5	495.1
27.5°	1706.4	1450.8	806.6	561.7	519.1	495.1	471.2	460.5	463.2	468.5	468.5
30°	1882.1	1538.7	750.7	527.1	489.8	463.2	441.9	431.3	436.6	447.2	447.2
32.5°	2132.3	1682.4	702.8	487.2	447.2	417.9	396.6	388.7	402.0	423.3	423.3
35°	2579.6	1946.0	673.5	447.2	402.0	367.4	340.7	332.8	351.4	378.0	378.0
37.5°	3178.5	2369.3	684.2	412.6	364.7	324.8	295.5	284.8	298.2	322.1	330.1
40°	3846.7	2880.4	777.3	383.3	330.1	290.2	260.9	250.2	258.2	268.9	271.5
42.5°	4514.9	3423.4	953.0	362.0	303.5	260.9	234.3	226.3	231.6	234.3	236.9
45°	5180.4	3961.2	1174.0	348.7	279.5	236.9	210.3	210.3	213.0	213.0	213.0
47.5°	5811.3	4485.6	1405.6	346.1	258.2	213.0	191.7	194.3	194.3	197.0	197.0
50°	6407.6	4954.1	1639.8	354.1	239.6	191.7	175.7	175.7	175.7	178.4	175.7
52.5°	6905.4	5364.1	1884.8	367.4	221.0	175.7	159.7	159.7	159.7	162.4	159.7
55°	7376.6	5736.8	2135.0	386.0	205.0	162.4	146.4	141.1	141.1	143.8	141.1
57.5°	7760.0	5984.4	2371.9	388.7	191.7	149.1	135.8	127.8	127.8	127.8	127.8
60°	7775.9	5840.6	2441.1	340.7	175.7	135.8	122.5	111.8	114.5	114.5	114.5
62.5°	7267.5	5084.6	1962.0	255.6	157.1	122.5	111.8	101.2	101.2	101.2	101.2
65°	6269.2	3955.9	1150.0	202.3	135.8	109.1	98.5	90.5	90.5	90.5	87.8
66°	5800.7	3468.7	881.1	183.7	127.8	106.5	95.8	87.8	85.2	82.5	82.5
67.5°	5036.7	2741.9	551.1	162.4	117.1	98.5	87.8	79.9	77.2	74.5	74.5
70°	3793.5	1741.0	268.9	125.1	101.2	85.2	77.2	69.2	66.6	63.9	61.2
72.5°	2662.1	1019.6	141.1	95.8	82.5	74.5	66.6	58.6	55.9	53.2	53.2
75°	1504.1	492.5	93.2	69.2	66.6	61.2	55.9	47.9	45.3	45.3	45.3
77.5°	569.7	170.4	63.9	50.6	53.2	47.9	39.9	39.9	37.3	39.9	37.3
80°	149.1	74.5	39.9	37.3	39.9	34.6	29.3	31.9	31.9	31.9	31.9
82.5°	79.9	42.6	24.0	26.6	24.0	24.0	18.6	21.3	24.0	21.3	24.0
85°	55.9	21.3	13.3	13.3	10.6	10.6	8.0	10.6	13.3	10.6	10.6
87.5°	29.3	8.0	8.0	8.0	8.0	5.3	2.7	0.0	2.7	2.7	2.7
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)