

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: P885300

Luminaire Tested: **NVN-SB6C-735-U-T4FT-HSS**

Issue Date: 10/7/2024

Test Information

Test Method: LM-79-08
Report Number: P885300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6C-735-U-T4FT-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34417 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

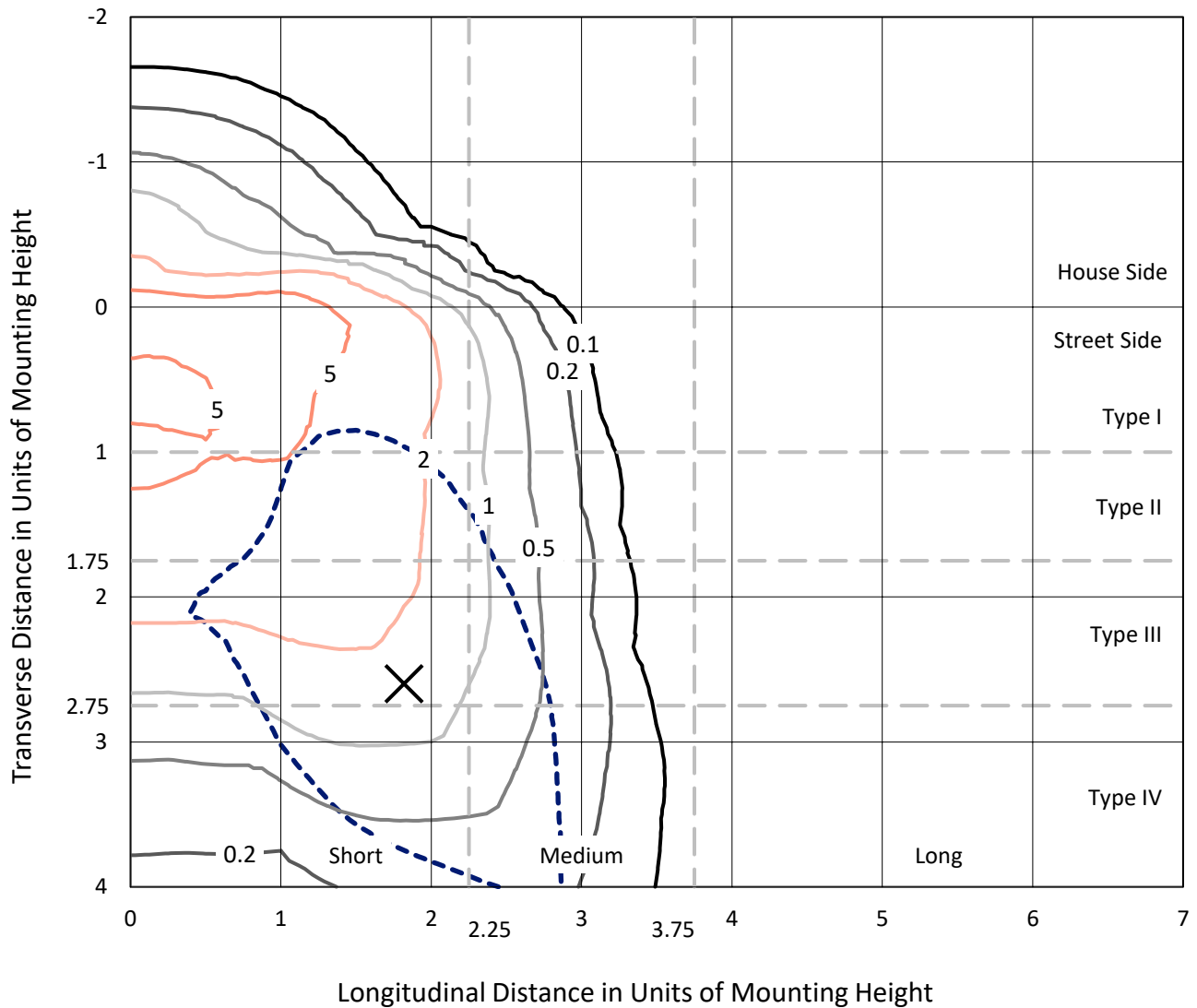
Input Watts (W): 300.9
Input Voltage (V): 120.0
Input Current (Ain): 2.518
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 6.297
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

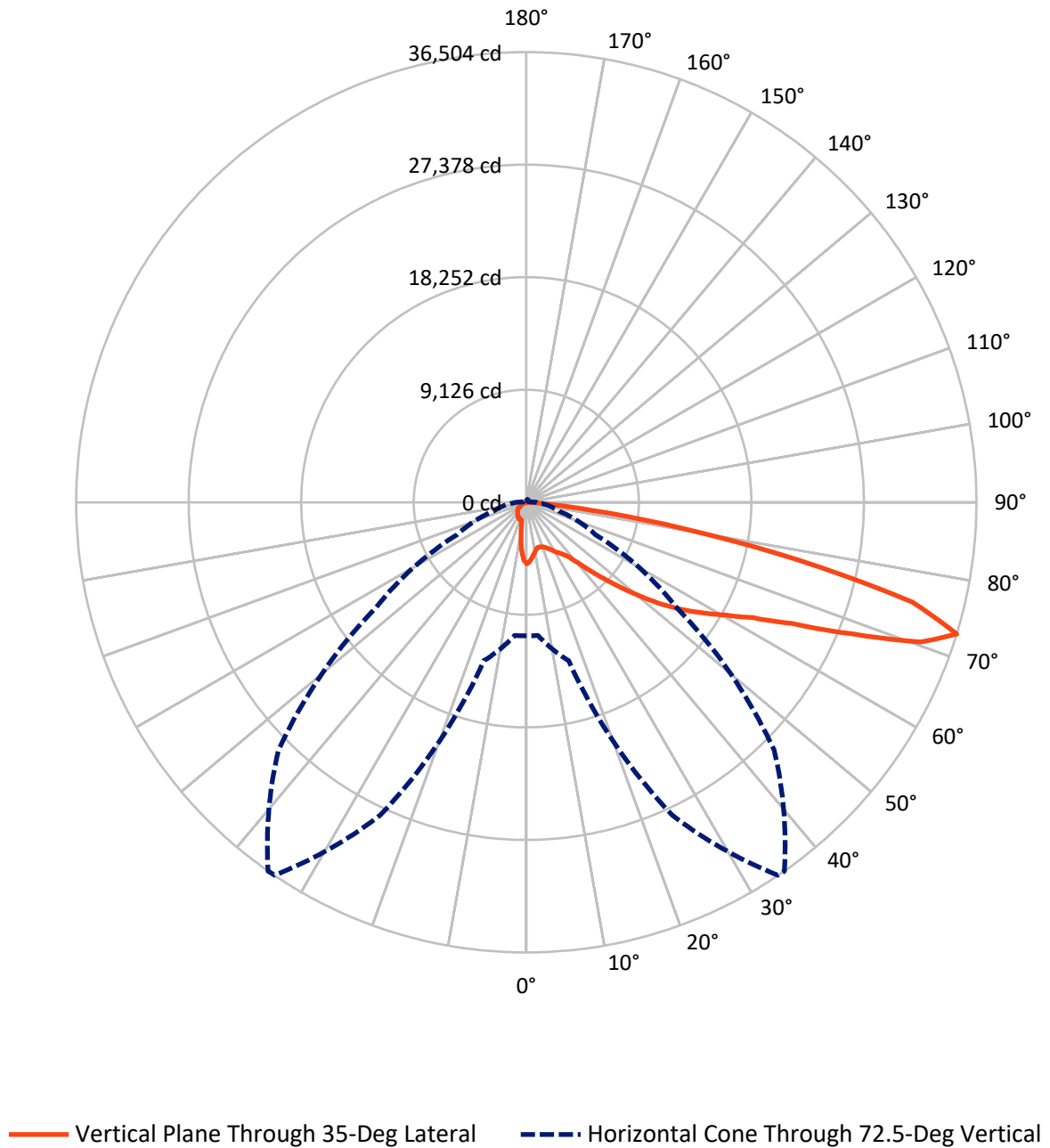
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3873.5	0.0	3873.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	30543.5	0.0	30543.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	34417.0	0.0	34417.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.9	1.2
10°-20°	958.9	2.8
20°-30°	1557.7	4.5
30°-40°	2599.0	7.6
40°-50°	4917.4	14.3
50°-60°	7813.8	22.7
60°-70°	9666.2	28.1
70°-80°	6008.5	17.5
80°-90°	485.6	1.4
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°	34417.0	100.0
0°-180°	34417.0	100.0

Coefficient of Utilization



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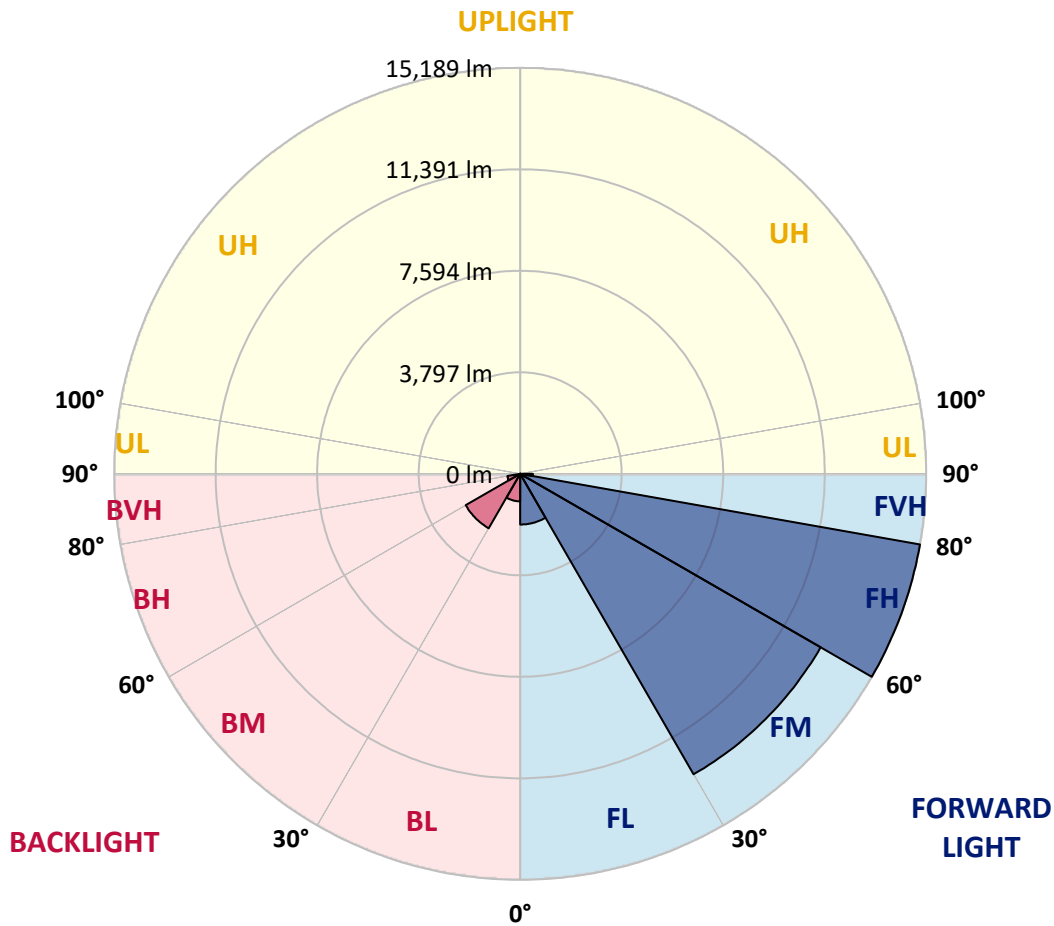
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1897.3	5.5			
FM (30°-60°)	12978.7	37.7			
FH (60°-80°)	15188.6	44.1			G5
FVH (80°-90°)	479.0	1.4			G3/500
BL (0°-30°)	1029.3	3.0	B3/2500		
BM (30°-60°)	2351.5	6.8	B2/2500		
BH (60°-80°)	486.1	1.4	B1/500		G1/500
BVH (80°-90°)	6.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4988.2	4988.2	4988.2	4988.2	4988.2	4988.2	4988.2	4988.2	4988.2	4988.2	4988.2
2.5°	4766.3	4806.6	4814.2	4826.8	4826.8	4841.9	4867.1	4902.4	4960.4	4990.7	5010.9
5°	4393.0	4423.3	4461.1	4491.4	4549.4	4556.9	4655.3	4751.1	4884.8	4985.7	5056.3
7.5°	4017.3	4052.6	4103.0	4176.1	4251.8	4274.5	4423.3	4584.7	4796.5	4985.7	5104.2
10°	3752.5	3755.0	3800.4	3873.5	3994.6	4022.3	4203.9	4433.4	4698.2	4955.4	5149.6
12.5°	3603.7	3621.3	3641.5	3697.0	3813.0	3830.7	4024.8	4294.7	4599.8	4937.7	5202.5
15°	3603.7	3616.3	3628.9	3656.7	3750.0	3765.1	3936.6	4206.4	4549.4	4945.3	5288.3
17.5°	3641.5	3661.7	3651.6	3684.4	3782.7	3792.8	3944.1	4181.2	4546.9	4993.2	5419.4
20°	3732.3	3747.4	3727.3	3747.4	3845.8	3866.0	4022.3	4229.1	4589.7	5076.4	5583.3
22.5°	3876.1	3883.6	3835.7	3850.8	3951.7	3976.9	4158.5	4365.3	4693.1	5210.1	5802.7
25°	4057.6	4072.8	3999.6	4017.3	4113.1	4143.4	4352.7	4569.6	4857.0	5394.2	6082.7
27.5°	4266.9	4274.5	4211.5	4208.9	4332.5	4375.4	4587.2	4821.7	5076.4	5626.2	6435.7
30°	4506.5	4529.2	4468.7	4458.6	4614.9	4650.3	4859.6	5131.9	5399.2	5974.2	6937.6
32.5°	4695.6	4713.3	4678.0	4703.2	4862.1	4889.8	5189.9	5570.7	5906.1	6468.5	7621.0
35°	4968.0	4978.1	4897.4	4942.8	5124.4	5195.0	5641.3	6186.0	6544.1	7088.9	8513.7
37.5°	5954.0	5954.0	5611.1	5386.6	5560.6	5623.7	6259.2	6960.2	7331.0	7921.1	9638.4
40°	7318.3	7295.7	6793.8	6334.8	6312.1	6435.7	7139.3	7936.2	8347.3	8919.7	10904.4
42.5°	8773.4	8738.1	8054.7	7600.8	7525.1	7568.0	8155.6	9139.1	9557.7	10137.8	12266.2
45°	10064.6	10054.5	9429.1	8818.8	8682.7	8818.8	9424.1	10546.3	10846.4	11456.7	13625.4
47.5°	11146.5	11146.5	10690.0	10291.6	10221.0	10301.7	11141.4	12107.3	12079.6	12861.3	14949.4
50°	12392.3	12382.2	11948.4	11776.9	11850.1	11963.6	13118.6	13751.5	13355.6	14240.8	16132.1
52.5°	13264.8	13325.3	13176.6	13148.8	13522.0	13718.7	15125.9	15360.5	14498.0	15549.6	17017.3
55°	13955.8	14026.4	14197.9	14392.1	15110.8	15368.0	17070.3	16886.2	15453.8	16684.4	17526.7
57.5°	14934.3	14833.4	15098.2	15481.5	16644.1	16954.3	18954.1	18326.1	16222.9	17604.9	17582.2
60°	16122.1	16137.2	16182.6	16666.8	18174.8	18573.3	20810.1	19687.9	16717.2	18169.8	16966.9
62.5°	17549.4	17572.1	17665.4	18409.3	20230.1	20605.9	22787.2	20802.6	16944.2	18010.9	15378.1
65°	17451.1	17546.9	18588.4	21132.9	23354.7	23725.4	25094.7	21584.3	16601.2	16558.3	12520.9
67.5°	15897.6	16054.0	17796.5	24386.1	28065.4	28479.0	27883.9	21738.2	15120.9	12876.5	8168.2
70°	13860.0	13915.5	16011.1	27311.4	33520.1	33938.8	30380.5	20046.0	11474.3	7182.2	3659.2
72.5°	10823.7	10836.3	13295.1	27989.8	36480.8	36503.5	28421.0	14881.3	6170.9	2758.9	1271.0
75°	7731.9	7656.3	8904.6	22699.0	32095.3	32352.5	21306.9	6980.4	2357.9	1303.8	633.0
77.5°	4145.9	4229.1	5038.6	13461.5	22171.9	22610.7	11625.6	2012.4	1200.4	887.7	418.6
80°	1281.1	1351.7	2065.4	6163.3	12558.7	12823.5	4309.8	895.2	837.2	633.0	274.9
82.5°	403.5	418.6	963.3	2589.9	5212.6	5333.7	1248.3	506.9	572.5	418.6	161.4
85°	116.0	118.5	428.7	965.9	1288.7	1313.9	350.5	196.7	327.8	259.7	83.2
87.5°	12.6	40.3	161.4	161.4	113.5	111.0	37.8	42.9	93.3	32.8	15.1
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°	4988.2	4988.2	4988.2	4988.2	4988.2	4988.2	4988.2	4988.2	4988.2	4988.2	4988.2
2.5°	4998.3	5000.8	4968.0	4912.5	4852.0	4801.6	4738.5	4688.1	4652.8	4642.7	4660.3
5°	5033.6	5015.9	4922.6	4753.6	4551.9	4377.9	4183.7	4029.9	3929.0	3886.1	3901.3
7.5°	5086.5	5036.1	4831.8	4498.9	4113.1	3770.1	3422.1	3152.3	2980.8	2895.1	2907.7
10°	5131.9	5031.0	4680.5	4130.8	3540.6	3021.2	2552.1	2226.8	2045.2	1959.5	1962.0
12.5°	5174.8	5028.5	4483.8	3694.5	2895.1	2259.6	1823.3	1661.9	1611.4	1593.8	1588.8
15°	5255.5	5036.1	4236.7	3195.2	2252.0	1707.3	1548.4	1545.9	1556.0	1550.9	1548.4
17.5°	5366.5	5043.7	3956.7	2665.6	1737.5	1505.5	1498.0	1520.7	1535.8	1528.2	1525.7
20°	5510.2	5073.9	3659.2	2141.0	1492.9	1455.1	1472.7	1492.9	1505.5	1492.9	1490.4
22.5°	5711.9	5126.9	3333.9	1719.9	1414.7	1424.8	1440.0	1462.7	1475.3	1457.6	1455.1
25°	5959.1	5210.1	3013.6	1495.4	1376.9	1389.5	1412.2	1437.4	1452.6	1434.9	1432.4
27.5°	6279.4	5343.8	2718.5	1445.0	1339.1	1346.7	1379.4	1417.3	1437.4	1414.7	1414.7
30°	6743.4	5563.2	2463.8	1467.7	1316.4	1298.7	1344.1	1397.1	1419.8	1399.6	1397.1
32.5°	7358.7	5873.3	2307.5	1503.0	1306.3	1243.3	1286.1	1354.2	1392.0	1379.4	1379.4
35°	8165.7	6344.9	2246.9	1543.4	1298.7	1185.3	1215.5	1288.7	1354.2	1366.8	1366.8
37.5°	9144.2	7000.6	2264.6	1561.0	1276.0	1137.3	1152.5	1215.5	1301.3	1341.6	1351.7
40°	10256.3	7764.7	2365.5	1543.4	1250.8	1097.0	1099.5	1147.4	1223.1	1283.6	1303.8
42.5°	11403.7	8657.4	2552.1	1477.8	1228.1	1061.7	1054.1	1086.9	1137.3	1180.2	1197.9
45°	12495.7	9575.4	2736.2	1387.0	1200.4	1026.4	1008.7	1021.3	1031.4	1049.1	1059.2
47.5°	13448.9	10221.0	2683.2	1303.8	1162.6	986.0	955.8	950.7	920.5	917.9	915.4
50°	14107.1	10362.2	2383.1	1220.6	1107.1	940.6	892.7	862.5	809.5	784.3	786.8
52.5°	14316.4	9804.9	1946.9	1137.3	1016.3	880.1	812.0	764.1	698.5	675.9	673.3
55°	14039.0	8712.9	1556.0	1036.5	890.2	799.4	723.8	660.7	607.8	580.0	580.0
57.5°	13360.6	7323.4	1230.7	917.9	756.5	708.6	633.0	569.9	524.5	496.8	491.8
60°	12235.9	5815.3	973.4	776.7	645.6	610.3	532.1	491.8	451.4	418.6	411.1
62.5°	10528.6	4150.9	764.1	615.3	539.7	499.3	453.9	423.7	375.8	330.4	322.8
65°	8216.1	2539.5	590.1	451.4	433.8	413.6	385.8	358.1	300.1	254.7	247.1
67.5°	5182.4	1202.9	421.1	340.4	343.0	332.9	320.3	297.6	254.7	214.4	209.3
70°	2282.3	582.5	277.4	259.7	254.7	254.7	264.8	257.2	216.9	179.0	171.5
72.5°	776.7	312.7	206.8	196.7	184.1	181.6	221.9	214.4	174.0	138.7	131.1
75°	406.0	209.3	151.3	141.2	111.0	133.7	176.5	166.4	123.6	90.8	83.2
77.5°	264.8	148.8	103.4	90.8	63.0	88.3	131.1	116.0	73.1	45.4	40.3
80°	166.4	98.4	60.5	42.9	30.3	47.9	70.6	50.4	27.7	10.1	7.6
82.5°	88.3	50.4	22.7	15.1	12.6	15.1	17.7	12.6	5.0	0.0	0.0
85°	35.3	17.7	7.6	5.0	2.5	0.0	5.0	2.5	0.0	0.0	0.0
87.5°	12.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)