

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: P323161

Luminaire Tested: **GAN-SA7B-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7B-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30490 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

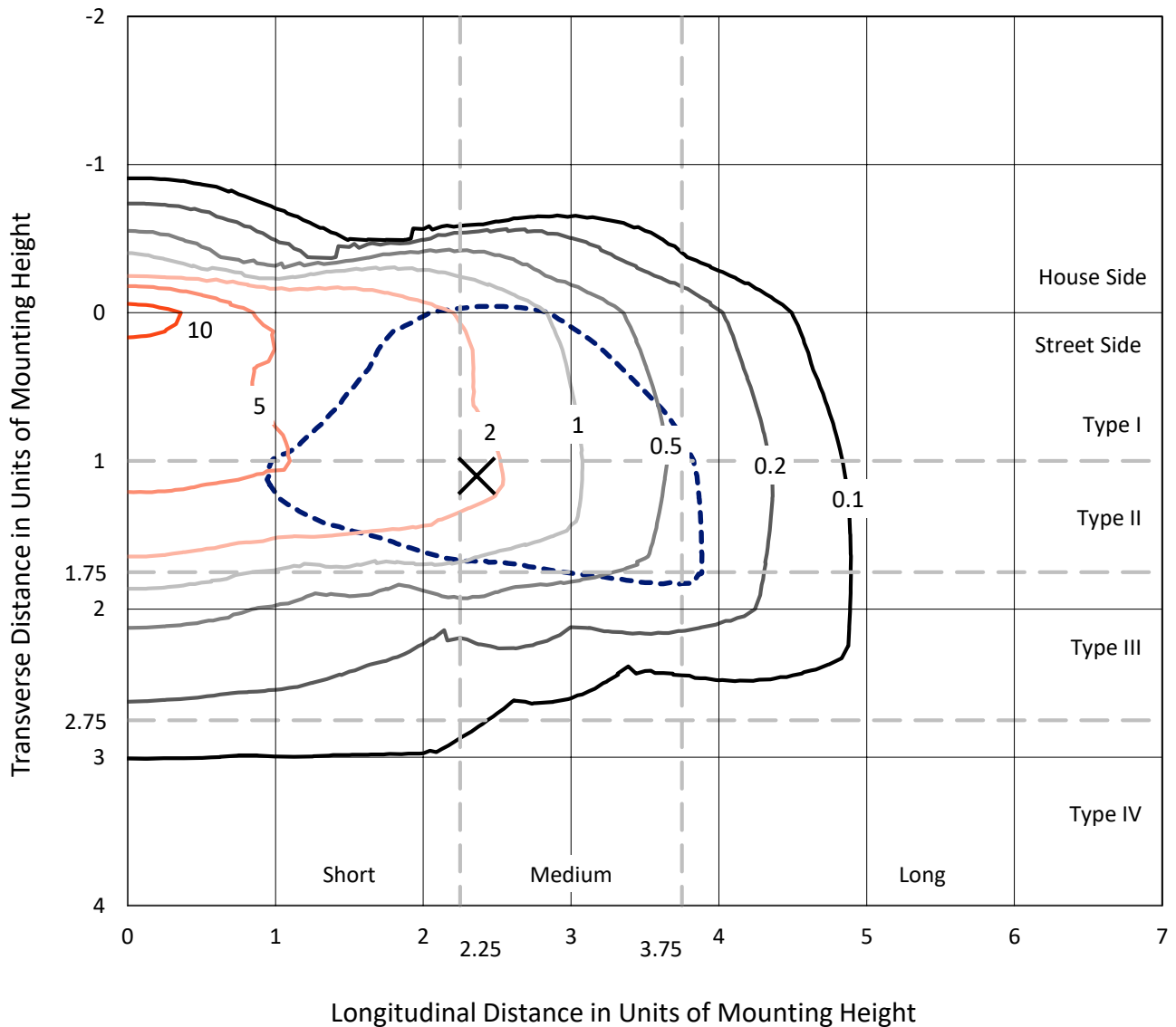
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

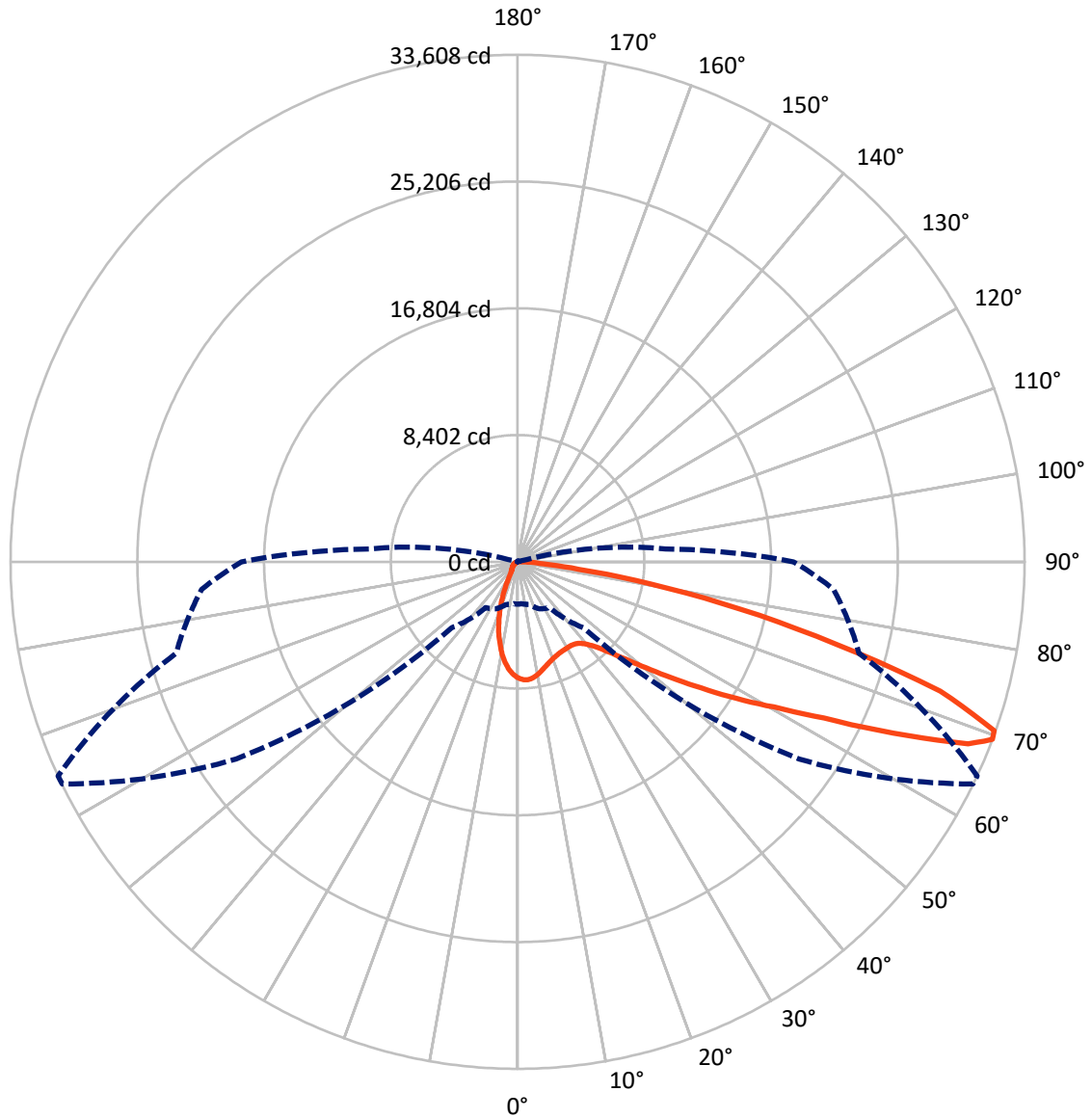
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3594.0	0.0	3594.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	26896.0	0.0	26896.0
	% Fixture	88.2	0.0	88.2
Total	Lumens	30490.0	0.0	30490.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.3	2.1
10°-20°	1410.4	4.6
20°-30°	1953.4	6.4
30°-40°	2723.7	8.9
40°-50°	4233.5	13.9
50°-60°	6796.4	22.3
60°-70°	7687.9	25.2
70°-80°	4515.2	14.8
80°-90°	525.2	1.7
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°	30490.0	100.0
0°-180°	30490.0	100.0

Coefficient of Utilization

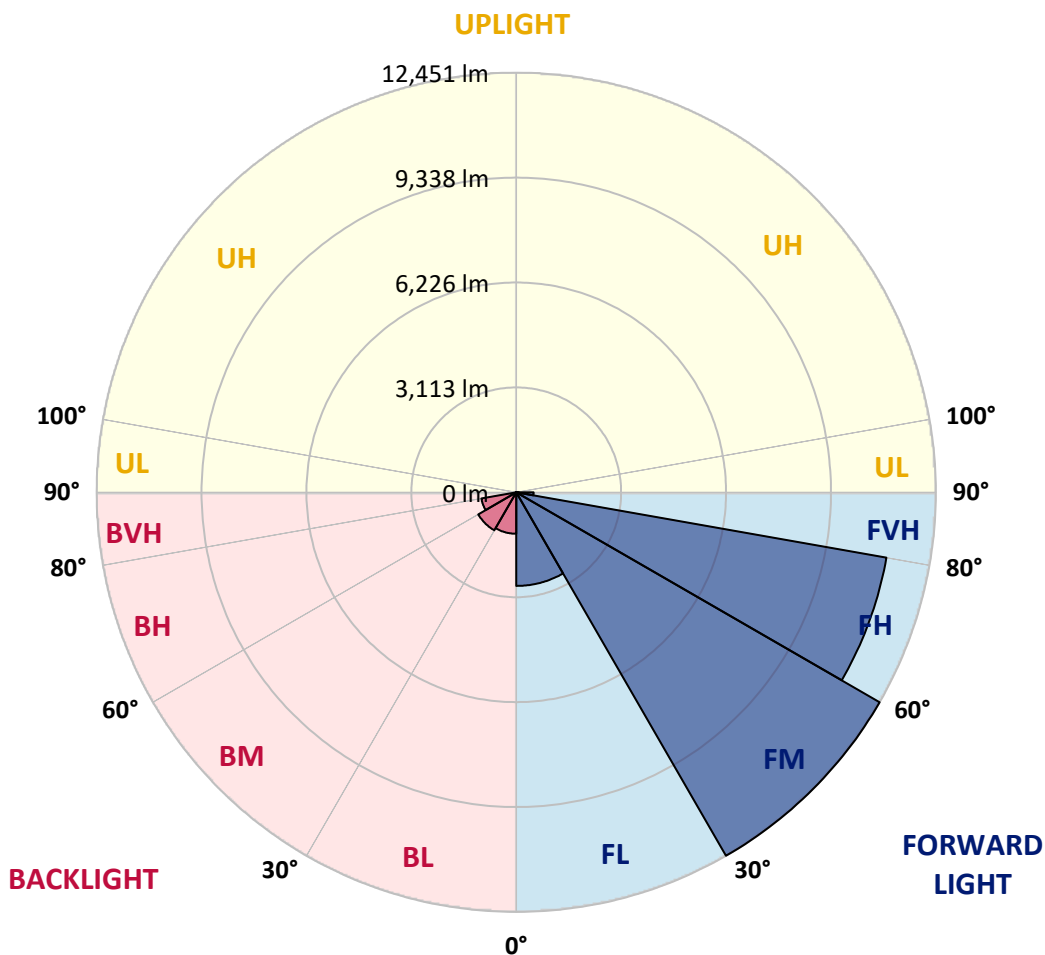


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2778.4	9.1			
FM (30°-60°)	12451.2	40.8			
FH (60°-80°)	11152.9	36.6			G4/12000
FVH (80°-90°)	513.4	1.7			G4/750
BL (0°-30°)	1229.7	4.0	B3/2500		
BM (30°-60°)	1302.4	4.3	B2/2500		
BH (60°-80°)	1050.1	3.4	B3/2500		G3/2500
BVH (80°-90°)	11.8	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9
2.5°	7773.3	7753.9	7769.4	7802.9	7819.7	7819.7	7832.6	7817.1	7822.3	7784.9	7730.7
5°	7286.9	7257.2	7299.8	7393.9	7510.1	7609.4	7756.5	7833.9	7841.6	7842.9	7779.7
7.5°	6763.1	6736.0	6799.2	6910.1	7059.8	7244.3	7501.0	7725.5	7738.4	7859.7	7813.3
10°	6337.3	6317.9	6391.5	6510.2	6685.6	6892.1	7206.9	7519.1	7556.5	7824.9	7808.1
12.5°	5999.3	5983.8	6053.5	6190.2	6369.6	6597.9	6926.9	7289.4	7339.8	7746.2	7782.3
15°	5752.9	5750.3	5808.3	5939.9	6138.6	6351.5	6688.2	7076.6	7134.6	7661.0	7778.4
17.5°	5623.8	5627.7	5670.3	5782.5	5952.8	6164.4	6487.0	6897.2	6960.5	7584.9	7797.8
20°	5610.9	5614.8	5638.0	5701.2	5839.3	6026.4	6323.1	6746.3	6812.1	7528.1	7828.7
22.5°	5724.5	5721.9	5728.3	5721.9	5799.3	5941.2	6214.7	6630.2	6706.3	7490.7	7853.2
25°	5942.5	5938.6	5936.1	5888.3	5836.7	5912.8	6169.6	6564.4	6636.6	7463.6	7867.4
27.5°	6245.7	6243.1	6239.2	6160.5	6005.7	5958.0	6174.7	6539.9	6600.5	7441.7	7864.9
30°	6644.4	6662.4	6657.3	6547.6	6306.3	6096.0	6228.9	6527.0	6579.9	7399.1	7837.8
32.5°	7112.7	7148.8	7177.2	7059.8	6757.9	6369.6	6354.1	6541.1	6579.9	7366.9	7788.7
35°	7599.1	7645.5	7750.0	7708.7	7311.4	6781.1	6569.5	6626.3	6658.6	7384.9	7765.5
37.5°	8077.7	8133.2	8360.3	8480.3	8036.4	7325.6	6905.0	6836.6	6853.4	7494.6	7791.3
40°	8633.8	8717.7	9062.1	9255.7	8902.2	8054.5	7406.8	7197.8	7204.3	7735.8	7911.3
42.5°	9364.0	9450.5	9823.3	10126.5	9877.5	8975.7	8088.1	7750.0	7743.6	8187.4	8193.8
45°	10254.2	10344.6	10730.3	11067.1	10954.8	10067.2	8960.2	8556.4	8548.6	8899.6	8729.3
47.5°	11263.2	11352.2	11696.7	12043.7	12165.0	11341.9	10071.0	9656.9	9638.8	9889.1	9556.3
50°	12128.9	12186.9	12504.3	12971.3	13518.4	12908.1	11452.8	11054.1	11034.8	11203.8	10770.3
52.5°	12443.7	12477.2	12799.7	13453.9	14818.9	15029.2	13268.1	12754.6	12740.4	12813.9	12386.9
55°	11806.3	11867.0	12263.0	13233.2	15523.3	17426.3	15559.4	14860.1	14753.1	14594.4	14077.0
57.5°	10069.8	10166.5	10592.3	11882.4	15194.3	19328.0	18926.7	17241.8	17084.4	16114.2	15451.0
60°	7544.9	7663.6	8017.1	9409.2	13438.4	20005.3	22606.3	19895.7	19540.9	17324.4	16714.1
62.5°	5177.4	5236.8	5476.8	6383.7	9896.9	18895.8	25684.6	23450.1	22802.4	18640.3	18080.4
65°	3954.4	3975.0	4073.1	4385.3	5893.5	15349.1	26909.0	28139.8	27356.7	20214.3	19498.3
67.5°	3186.7	3169.9	3305.4	3751.8	3946.6	9364.0	25480.8	32576.7	32210.3	22318.6	20925.2
69°	2810.0	2786.8	2924.8	3443.5	3706.6	6190.2	22779.2	33584.3	33607.6	23429.4	21023.3
70°	2528.7	2544.2	2681.0	3260.3	3625.4	4858.8	20198.9	33327.6	33510.8	23844.9	20435.0
72.5°	1688.8	1730.1	2004.9	2706.8	3486.0	3677.0	12195.9	28599.1	29303.6	22909.5	17532.1
75°	952.1	983.1	1309.5	2041.0	3284.8	3501.5	6441.8	21069.7	21750.9	19157.7	13519.7
77.5°	467.0	483.8	740.6	1317.3	2746.8	3336.4	3653.8	14311.8	15089.8	12504.3	7646.8
80°	197.4	206.4	370.3	812.8	1963.6	3184.1	2713.2	8808.0	8904.7	4898.8	2037.2
82.5°	76.1	78.7	156.1	507.0	1247.6	2482.3	2269.4	4176.3	4075.6	922.5	464.5
85°	9.0	10.3	56.8	304.5	694.1	1277.3	1843.6	1799.8	1665.6	183.2	238.7
87.5°	0.0	0.0	3.9	92.9	206.4	598.6	958.6	747.0	673.5	59.3	123.9
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°	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9
2.5°	7685.5	7672.6	7603.0	7502.3	7406.8	7288.2	7174.6	7106.2	7052.1	7015.9	7058.5
5°	7706.2	7649.4	7437.8	7166.9	6901.1	6601.8	6323.1	6087.0	5994.1	5890.9	5937.3
7.5°	7699.7	7592.6	7212.0	6729.5	6241.8	5737.4	5260.0	4892.3	4701.4	4514.3	4562.0
10°	7667.5	7486.8	6910.1	6195.4	5465.1	4740.1	4062.7	3548.0	3260.3	2999.6	3037.1
12.5°	7596.5	7344.9	6554.0	5583.8	4607.2	3651.2	2857.7	2198.4	1844.9	1688.8	1708.2
15°	7553.9	7206.9	6177.3	4964.6	3691.2	2542.9	1746.9	1299.2	1137.9	1086.3	1092.8
17.5°	7533.3	7074.0	5787.7	4256.3	2754.5	1619.2	1128.9	996.0	961.2	952.1	954.7
20°	7512.6	6939.8	5386.4	3555.7	1897.8	1088.9	927.6	888.9	876.0	864.4	867.0
22.5°	7477.8	6810.8	4955.5	2846.1	1279.8	883.8	836.0	798.6	771.5	757.3	759.9
25°	7435.2	6675.3	4515.6	2119.7	934.1	788.3	743.1	690.2	658.0	632.2	633.5
27.5°	7366.9	6508.9	4061.4	1543.0	784.4	705.7	645.1	587.0	532.8	503.2	503.2
30°	7271.4	6320.5	3557.0	1104.4	703.1	624.4	550.9	478.7	420.6	393.5	390.9
32.5°	7165.6	6124.4	3047.4	837.3	638.6	548.3	464.5	388.3	336.7	314.8	313.5
35°	7075.3	5912.8	2539.0	701.9	574.1	474.8	383.2	318.7	277.4	259.3	258.0
37.5°	7017.2	5701.2	2043.6	627.0	516.1	406.4	321.3	263.2	233.5	219.3	218.0
40°	7008.2	5543.8	1590.8	570.3	461.9	345.8	268.4	223.2	196.1	180.6	179.3
42.5°	7125.6	5453.5	1220.5	522.5	406.4	292.9	228.4	190.9	162.6	147.1	145.8
45°	7433.9	5481.9	939.2	479.9	350.9	247.7	193.5	158.7	132.9	121.3	118.7
47.5°	7996.5	5678.0	747.0	437.4	298.0	210.3	165.1	131.6	109.7	98.1	96.8
50°	8997.6	6138.6	624.4	390.9	249.0	179.3	136.8	107.1	89.0	78.7	77.4
52.5°	10326.5	6959.2	557.4	345.8	206.4	152.2	112.2	85.2	69.7	61.9	60.6
55°	11792.1	7952.6	513.5	296.7	169.0	126.4	89.0	67.1	54.2	47.7	45.2
57.5°	13222.9	8813.1	472.2	249.0	140.6	103.2	71.0	52.9	42.6	36.1	34.8
60°	14537.6	9604.0	424.5	200.0	114.8	81.3	55.5	41.3	33.5	27.1	27.1
62.5°	15945.2	10215.5	358.7	156.1	94.2	61.9	45.2	37.4	27.1	23.2	21.9
65°	17436.6	10669.7	281.3	121.3	73.5	46.4	37.4	38.7	21.9	16.8	15.5
67.5°	18538.4	10579.4	207.7	95.5	56.8	36.1	36.1	41.3	19.4	12.9	11.6
69°	18295.9	9845.3	174.2	82.6	49.0	31.0	33.5	41.3	18.1	11.6	10.3
70°	17592.7	9032.5	153.5	73.5	43.9	28.4	32.3	40.0	16.8	11.6	10.3
72.5°	14651.1	6803.0	120.0	55.5	34.8	23.2	27.1	34.8	16.8	11.6	9.0
75°	11020.6	4354.3	91.6	40.0	25.8	18.1	20.6	25.8	16.8	10.3	9.0
77.5°	5996.7	1570.1	65.8	27.1	18.1	14.2	14.2	19.4	15.5	7.7	5.2
80°	1541.7	394.8	41.3	18.1	14.2	10.3	9.0	12.9	9.0	1.3	0.0
82.5°	380.6	89.0	21.9	12.9	10.3	3.9	3.9	6.5	3.9	0.0	0.0
85°	209.0	43.9	14.2	9.0	5.2	0.0	0.0	1.3	0.0	0.0	0.0
87.5°	107.1	12.9	3.9	2.6	1.3	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)