

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: P323520

Luminaire Tested: **GAN-SA6B-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29201 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

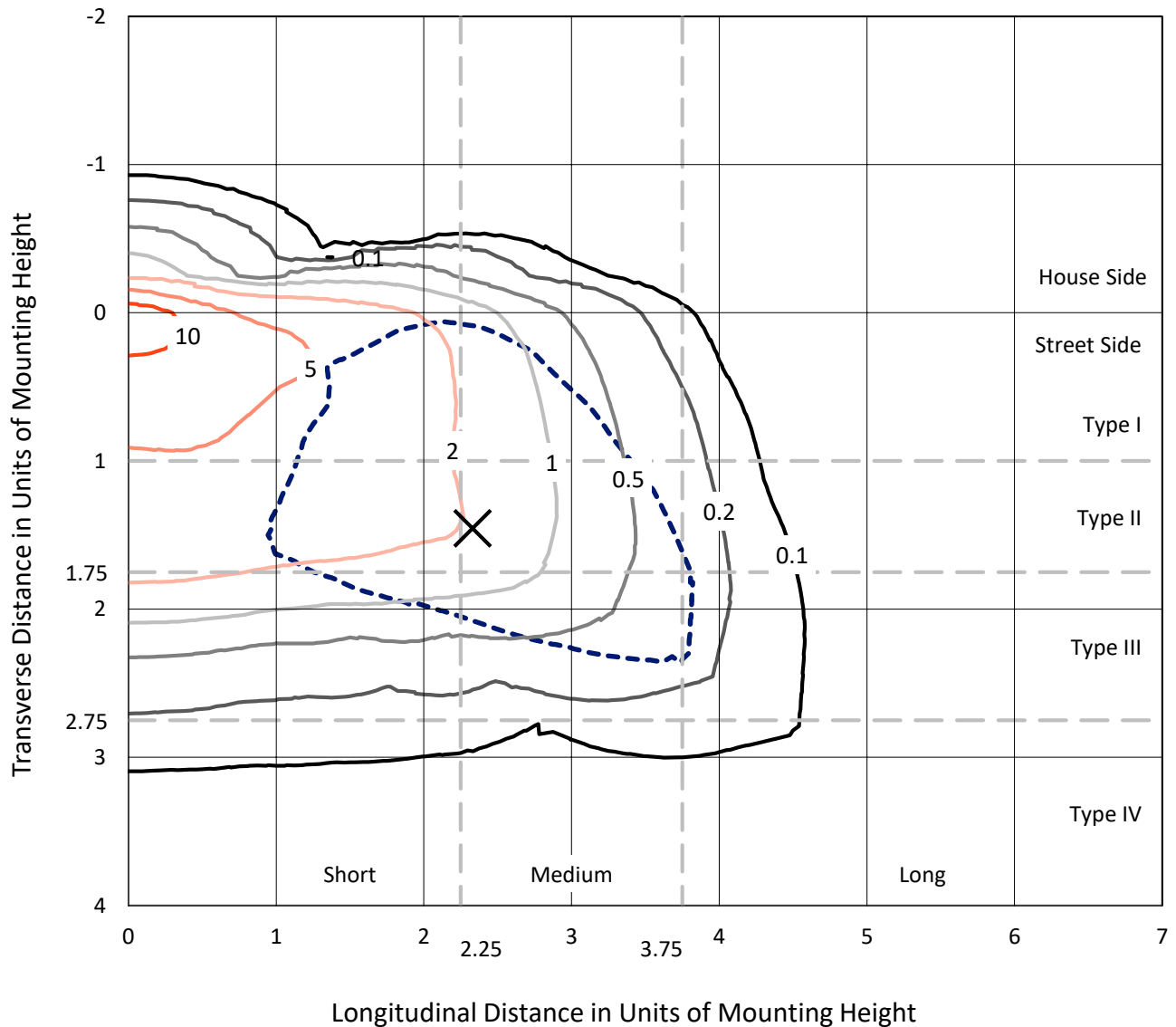
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

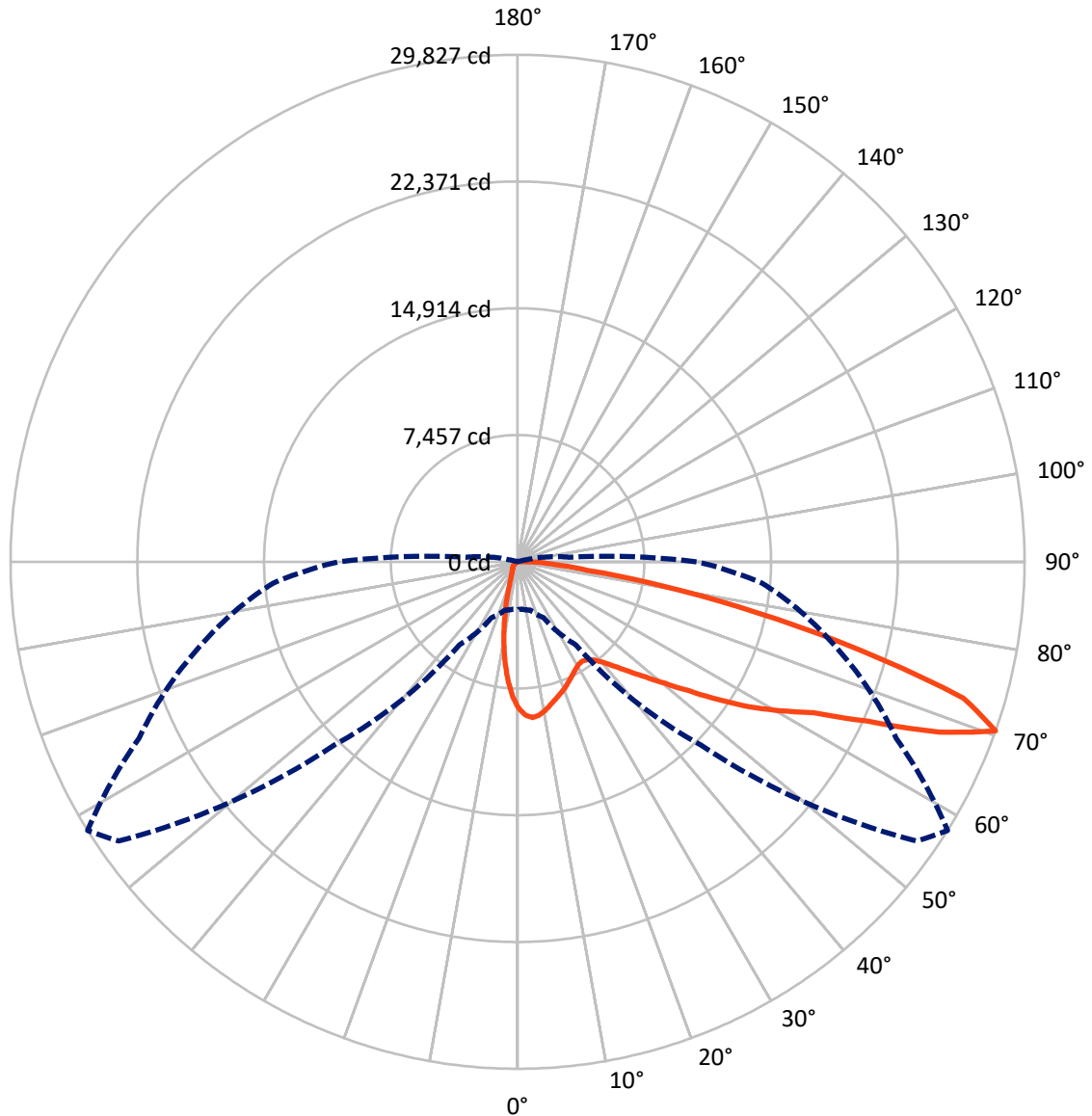
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2499.0	0.0	2499.0
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	26702.0	0.0	26702.0
	% Fixture	91.4	0.0	91.4
Total	Lumens	29201.0	0.0	29201.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.4	2.4
10°-20°	1480.4	5.1
20°-30°	1946.2	6.7
30°-40°	2577.6	8.8
40°-50°	3852.7	13.2
50°-60°	6171.8	21.1
60°-70°	7779.5	26.6
70°-80°	4196.2	14.4
80°-90°	491.2	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°	29201.0	100.0
0°-180°	29201.0	100.0

Coefficient of Utilization

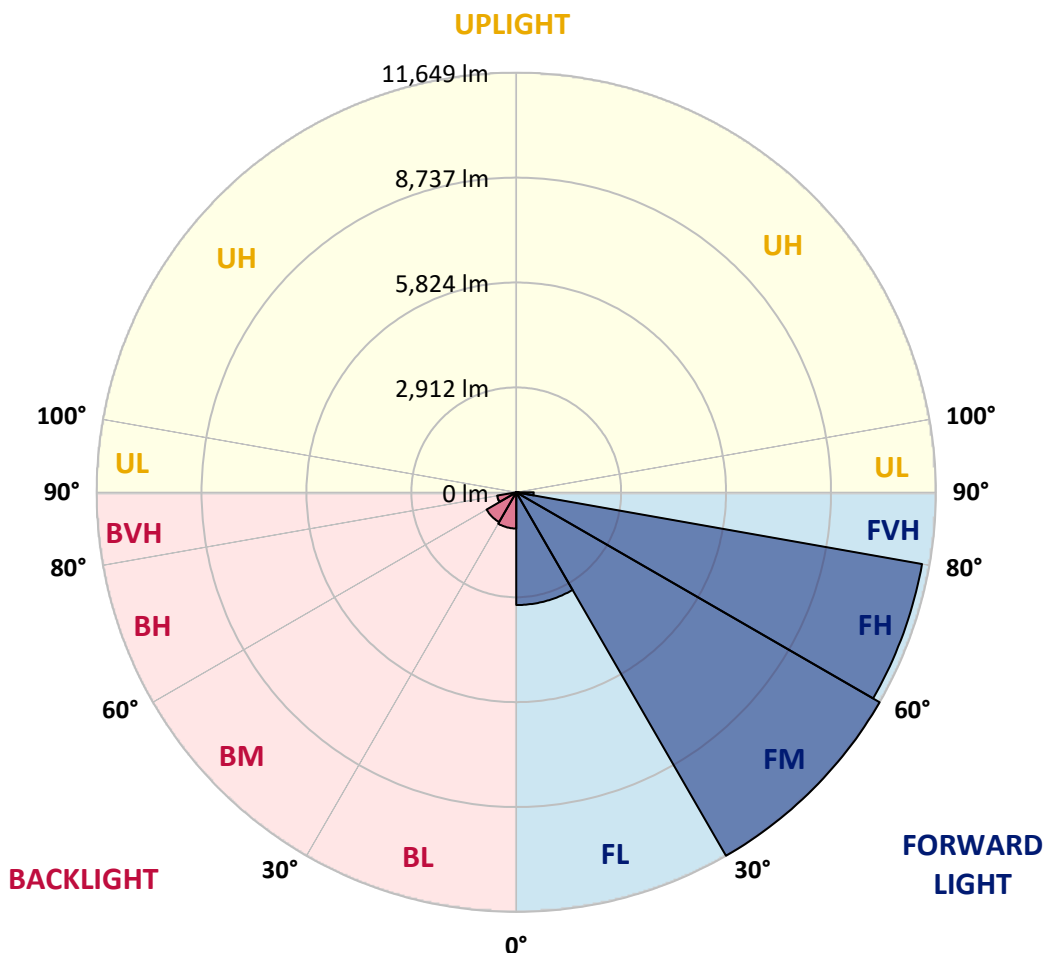


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3128.0	10.7			
FM (30°-60°)	11648.7	39.9			
FH (60°-80°)	11438.3	39.2			G4/12000
FVH (80°-90°)	486.9	1.7			G3/500
BL (0°-30°)	1004.0	3.4	B3/2500		
BM (30°-60°)	953.3	3.3	B1/1000		
BH (60°-80°)	537.4	1.8	B2/1000		G2/1000
BVH (80°-90°)	4.2	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-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8625.8	8625.8	8625.8	8625.8	8625.8	8625.8	8625.8	8625.8	8625.8	8625.8	8625.8
2.5°	9341.0	9317.9	9309.4	9294.9	9239.0	9184.4	9076.3	9046.0	8978.0	8816.5	8645.3
5°	9348.3	9347.1	9372.6	9366.5	9347.1	9321.6	9243.9	9203.8	9088.5	8857.8	8544.5
7.5°	8897.8	8920.9	8978.0	9024.1	9077.5	9146.7	9156.5	9117.6	9022.9	8774.0	8358.7
10°	8293.1	8329.6	8409.7	8500.8	8640.4	8778.8	8902.7	8897.8	8865.0	8619.8	8135.3
12.5°	7687.2	7729.7	7822.0	7956.8	8154.7	8380.6	8601.6	8631.9	8686.5	8481.3	7928.9
15°	7156.6	7193.1	7284.1	7449.3	7694.5	7998.1	8322.3	8378.1	8519.0	8373.3	7756.5
17.5°	6706.2	6729.2	6796.0	6979.4	7263.5	7631.4	8052.7	8162.0	8372.1	8288.3	7607.1
20°	6391.7	6395.3	6439.0	6567.7	6851.9	7263.5	7773.5	7930.1	8216.6	8215.4	7452.9
22.5°	6236.2	6224.1	6232.6	6306.7	6515.5	6912.6	7494.2	7680.0	8077.0	8153.5	7296.3
25°	6207.1	6197.4	6173.1	6182.8	6309.1	6605.4	7212.5	7427.4	7954.4	8115.9	7160.3
27.5°	6298.2	6307.9	6266.6	6222.9	6232.6	6406.2	6962.4	7211.3	7854.8	8115.9	7064.3
30°	6481.5	6486.4	6456.0	6399.0	6322.5	6350.4	6788.7	7037.6	7805.0	8171.7	7003.6
32.5°	6684.3	6711.0	6707.4	6661.2	6551.9	6439.0	6747.4	6974.5	7801.4	8295.6	6997.6
35°	6935.6	6966.0	7017.0	7007.3	6893.1	6707.4	6888.3	7066.8	7873.0	8499.6	7063.1
37.5°	7202.8	7248.9	7358.2	7410.4	7336.3	7126.3	7204.0	7331.5	8064.9	8829.8	7229.5
40°	7461.4	7513.6	7712.7	7917.9	7862.1	7646.0	7682.4	7784.4	8406.1	9304.6	7545.2
42.5°	7715.2	7792.9	8085.5	8423.1	8489.8	8317.4	8336.9	8418.2	8912.4	9957.8	8061.2
45°	8018.7	8106.1	8539.6	8956.1	9134.6	9059.3	9141.9	9195.3	9574.1	10821.2	8757.0
47.5°	8464.3	8565.1	9097.0	9571.7	9885.0	9933.6	10099.9	10135.1	10410.7	11826.5	9664.0
50°	9333.7	9361.7	9842.5	10273.5	10725.2	11016.6	11206.1	11232.8	11423.4	12925.4	10796.9
52.5°	10427.7	10446.0	10717.9	11006.9	11520.5	12115.5	12558.7	12596.3	12636.4	13996.3	11915.2
55°	11514.5	11512.0	11691.7	11861.7	12449.4	13314.0	14275.6	14298.7	14010.9	15012.6	12770.0
57.5°	12193.2	12258.8	12532.0	12750.6	13571.4	14680.0	16014.4	16099.4	15454.6	15765.5	13615.1
60°	11977.1	12008.7	12614.6	13423.2	14968.9	16621.5	17773.8	17795.6	16540.1	16517.1	14683.6
62.5°	10204.3	10221.3	11173.3	12840.4	15676.8	19139.8	19896.3	19540.5	17788.4	17560.1	15962.2
65°	6993.9	7104.4	7899.7	9960.3	14376.4	20719.5	23181.9	22593.0	19691.0	19063.3	17118.1
67.5°	4118.6	4095.6	4489.0	6006.8	10558.9	19670.4	27338.2	26753.0	22285.8	20069.9	16779.3
70°	2813.4	2797.6	2948.1	3636.6	5960.6	15259.1	28645.9	29827.4	24577.1	19392.3	14440.7
72.5°	2008.3	2016.8	2239.0	2825.5	3742.2	8890.5	24634.1	27430.5	23859.5	16905.6	10976.6
75°	1363.6	1386.6	1704.8	2318.0	3280.8	4523.0	17481.2	20851.8	19428.8	12286.7	6309.1
77.5°	733.4	758.9	1134.1	1867.5	2966.3	3142.4	11244.9	14350.9	12204.2	5523.5	1828.6
80°	306.0	320.6	530.6	1357.5	2563.2	2759.9	6616.3	8702.3	5200.5	1089.2	408.0
82.5°	132.4	139.6	221.0	809.9	1916.0	2330.1	3503.0	4186.6	1576.1	239.2	205.2
85°	25.5	26.7	91.1	428.6	1222.7	1315.0	2270.6	2225.7	707.9	103.2	149.3
87.5°	0.0	0.0	21.9	134.8	359.4	716.4	1385.4	1368.4	240.4	49.8	55.9
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°	8625.8	8625.8	8625.8	8625.8	8625.8	8625.8	8625.8	8625.8	8625.8	8625.8	8625.8
2.5°	8557.8	8474.1	8298.0	8080.7	7914.3	7731.0	7585.2	7400.7	7320.5	7324.2	7280.5
5°	8366.0	8193.6	7803.8	7312.0	6933.2	6542.2	6205.9	5870.8	5672.8	5608.5	5547.8
7.5°	8091.6	7818.4	7196.7	6439.0	5797.9	5171.4	4626.2	4146.6	3843.0	3694.9	3640.2
10°	7782.0	7398.3	6498.5	5500.4	4584.9	3737.4	3030.7	2416.3	2171.0	2004.7	1962.2
12.5°	7510.0	6990.3	5816.1	4537.5	3450.8	2428.4	1754.6	1372.1	1205.7	1140.2	1129.2
15°	7253.8	6609.0	5159.2	3665.7	2389.6	1494.7	1115.9	985.9	947.1	936.2	936.2
17.5°	7012.1	6246.0	4516.9	2807.3	1580.9	1047.9	924.0	894.9	882.7	881.5	882.7
20°	6759.6	5882.9	3885.5	2056.9	1103.7	887.6	853.6	837.8	834.2	834.2	834.2
22.5°	6517.9	5519.9	3271.1	1469.2	885.2	809.9	792.9	782.0	778.3	777.1	774.7
25°	6286.0	5175.0	2671.3	1038.2	777.1	741.9	727.3	712.7	701.8	695.7	692.1
27.5°	6095.4	4867.8	2112.7	833.0	701.8	671.5	653.3	631.4	604.7	592.5	587.7
30°	5943.6	4587.3	1628.3	703.0	631.4	601.0	573.1	535.5	496.6	476.0	474.8
32.5°	5824.6	4311.7	1236.1	621.7	568.3	530.6	490.5	443.2	398.3	375.2	374.0
35°	5766.3	4068.9	944.7	562.2	512.4	465.0	415.3	363.1	319.3	297.5	295.1
37.5°	5805.2	3863.7	737.0	512.4	465.0	410.4	352.1	297.5	258.6	239.2	238.0
40°	5947.3	3732.5	598.6	469.9	425.0	358.2	295.1	244.1	211.3	195.5	194.3
42.5°	6249.6	3684.0	511.2	434.7	386.1	309.6	245.3	201.6	171.2	160.3	157.8
45°	6754.7	3755.6	451.7	400.7	346.1	263.5	202.8	165.1	138.4	129.9	128.7
47.5°	7427.4	3943.8	409.2	367.9	309.6	222.2	168.8	133.6	112.9	104.4	103.2
50°	8294.4	4242.5	374.0	335.1	275.6	188.2	139.6	105.6	87.4	81.4	81.4
52.5°	9237.8	4598.3	342.4	304.8	241.6	156.6	112.9	81.4	69.2	61.9	61.9
55°	10017.3	4909.1	308.4	281.7	200.3	129.9	86.2	61.9	51.0	47.4	47.4
57.5°	10795.7	5240.6	269.6	241.6	160.3	105.6	65.6	46.1	37.6	35.2	35.2
60°	11804.7	5646.1	231.9	196.7	126.3	80.1	48.6	32.8	27.9	26.7	26.7
62.5°	12914.5	5884.1	197.9	157.8	98.4	59.5	35.2	21.9	20.6	20.6	19.4
65°	13593.2	5547.8	166.3	126.3	76.5	44.9	23.1	15.8	18.2	17.0	14.6
67.5°	12727.5	4343.3	136.0	98.4	59.5	34.0	14.6	10.9	19.4	15.8	12.1
70°	10538.2	3040.4	105.6	69.2	47.4	29.1	9.7	7.3	20.6	15.8	9.7
72.5°	7886.4	2035.0	83.8	46.1	35.2	25.5	8.5	3.6	18.2	13.4	8.5
75°	4309.3	819.6	66.8	29.1	21.9	18.2	6.1	2.4	12.1	9.7	6.1
77.5°	1134.1	216.1	48.6	19.4	12.1	7.3	3.6	1.2	6.1	4.9	2.4
80°	289.0	83.8	31.6	13.4	8.5	3.6	0.0	0.0	1.2	0.0	0.0
82.5°	154.2	35.2	19.4	9.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	116.6	23.1	10.9	6.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	44.9	7.3	3.6	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)