

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: P323484

Luminaire Tested: **GAN-SA0B-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323484
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-SA0B-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 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: 44007 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

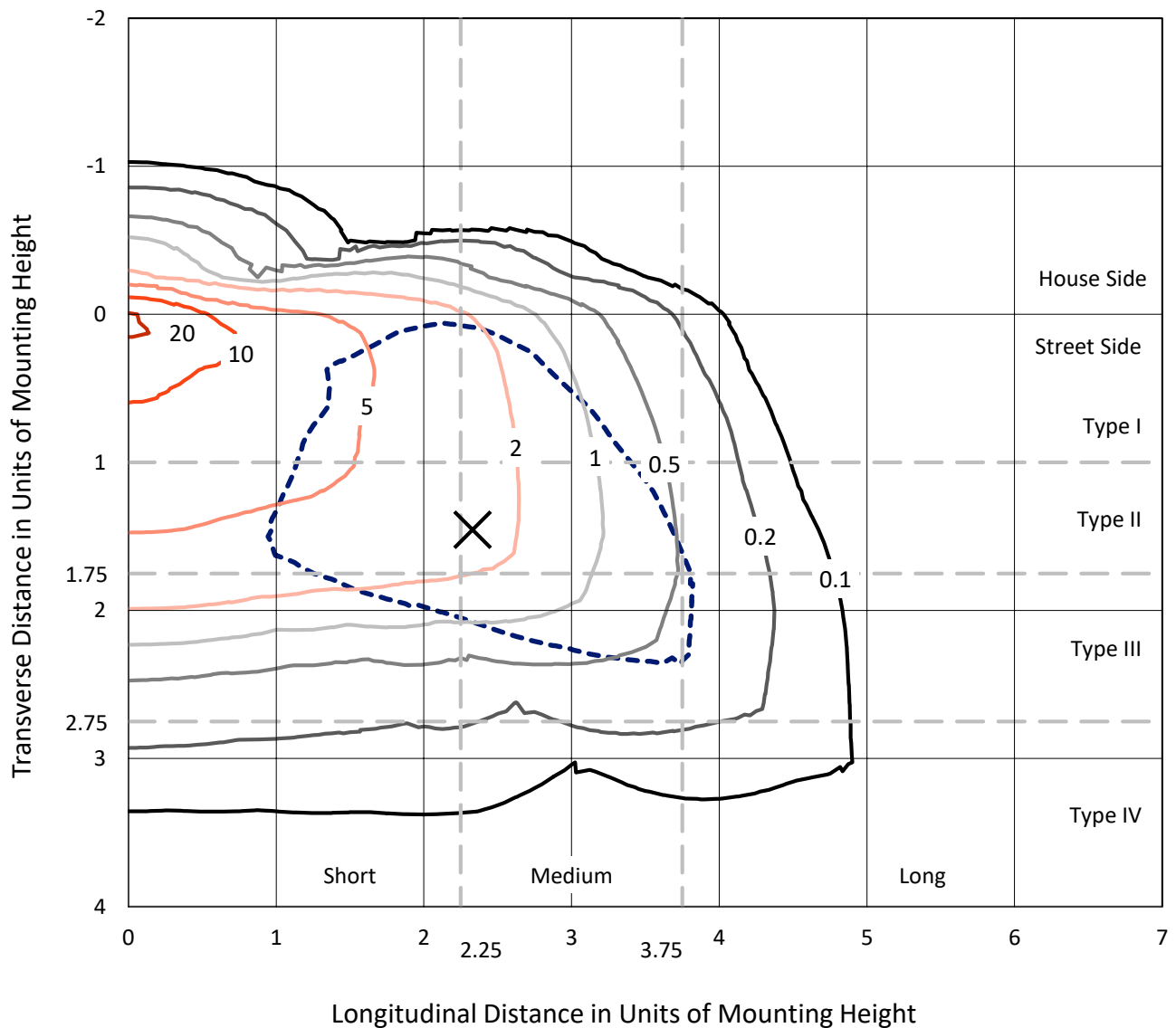
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

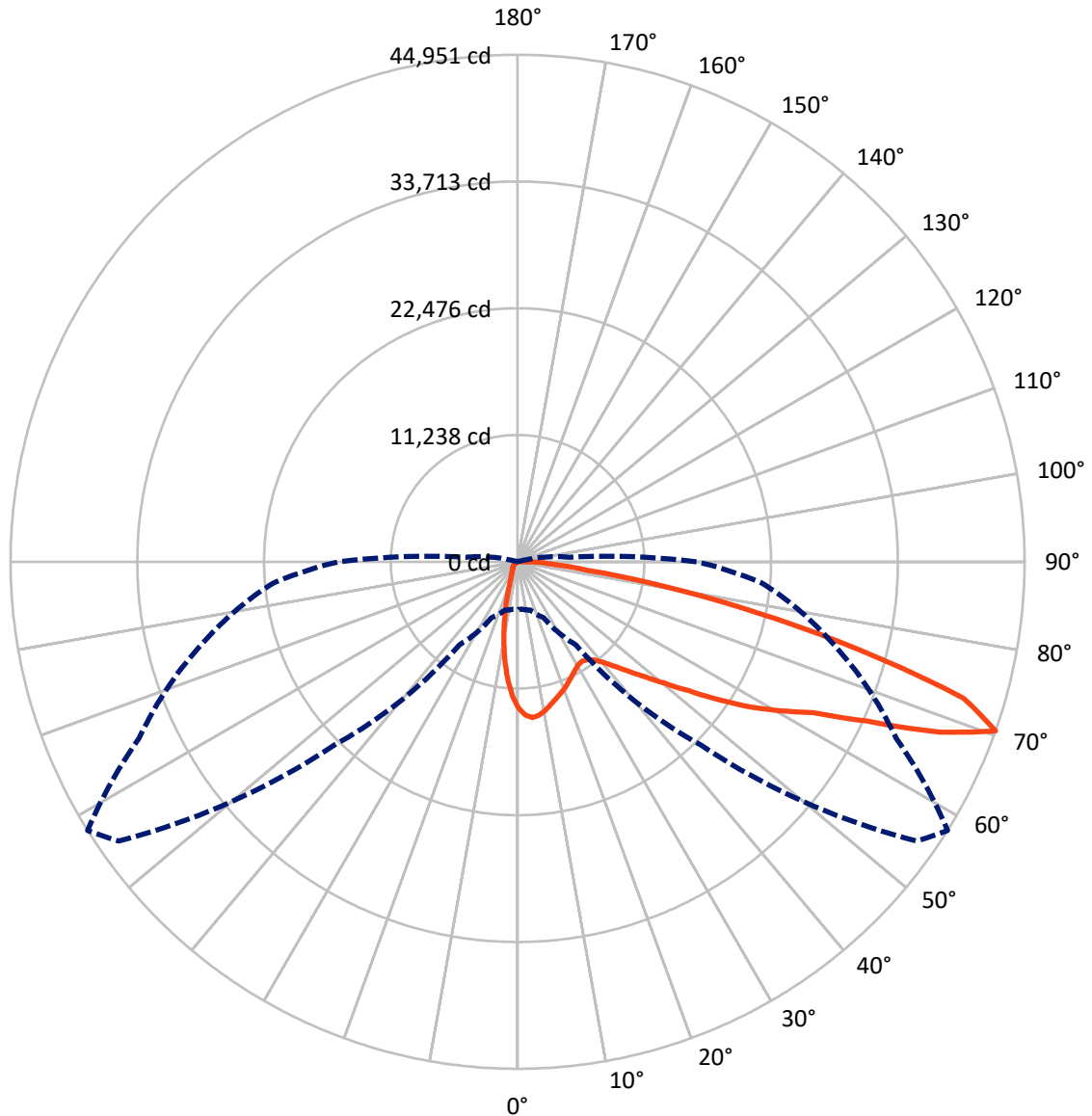
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.1 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	3766.0	0.0	3766.0
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	40241.0	0.0	40241.0
	% Fixture	91.4	0.0	91.4
Total	Lumens	44007.0	0.0	44007.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1063.0	2.4
10°-20°	2231.0	5.1
20°-30°	2933.0	6.7
30°-40°	3884.5	8.8
40°-50°	5806.1	13.2
50°-60°	9301.2	21.1
60°-70°	11724.0	26.6
70°-80°	6323.9	14.4
80°-90°	740.2	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°	44007.0	100.0
0°-180°	44007.0	100.0

Coefficient of Utilization

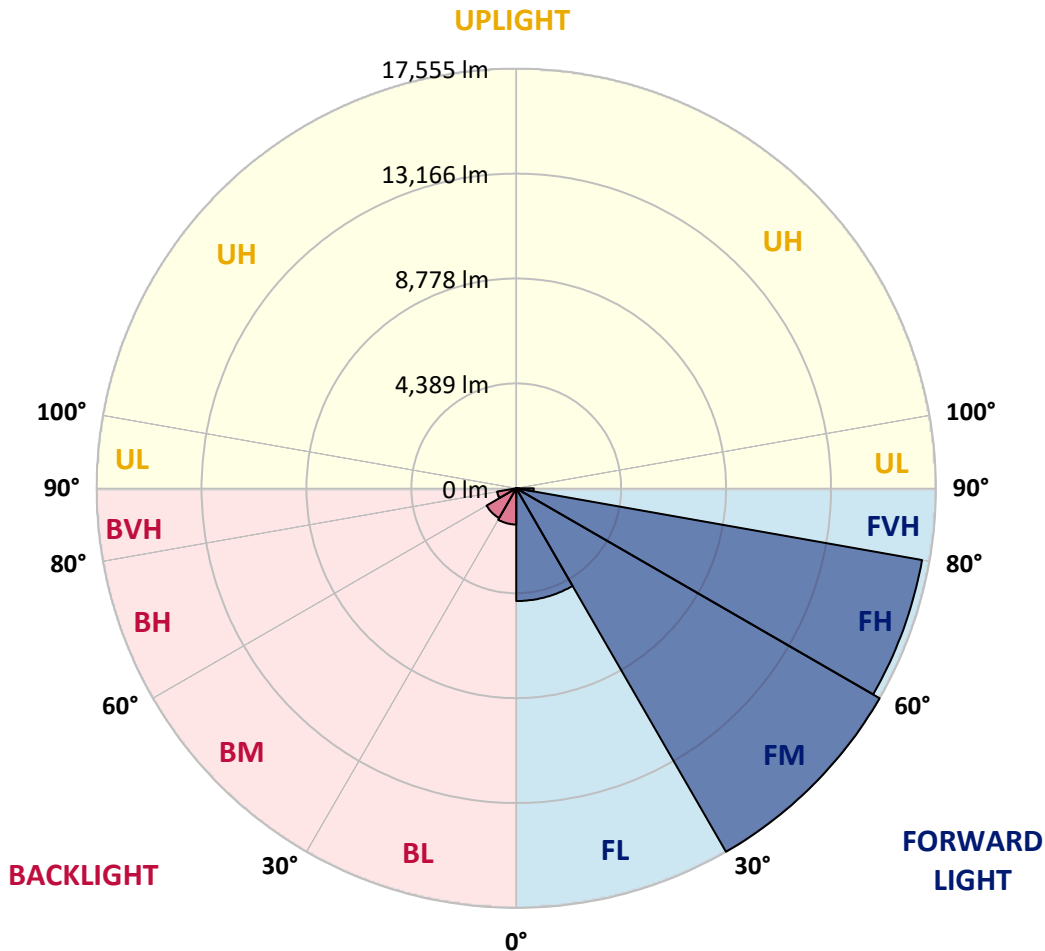


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4714.1	10.7			
FM (30°-60°)	17555.1	39.9			
FH (60°-80°)	17238.0	39.2			G5
FVH (80°-90°)	733.8	1.7			G4/750
BL (0°-30°)	1513.0	3.4	B3/2500		
BM (30°-60°)	1436.7	3.3	B2/2500		
BH (60°-80°)	809.9	1.8	B2/1000		G2/1000
BVH (80°-90°)	6.4	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	12999.5	12999.5	12999.5	12999.5	12999.5	12999.5	12999.5	12999.5	12999.5	12999.5	12999.5
2.5°	14077.3	14042.5	14029.7	14007.7	13923.5	13841.2	13678.3	13632.6	13530.1	13286.8	13028.7
5°	14088.2	14086.4	14124.8	14115.7	14086.4	14048.0	13930.9	13870.5	13696.6	13349.0	12876.9
7.5°	13409.4	13444.1	13530.1	13599.7	13680.2	13784.5	13799.1	13740.6	13597.8	13222.7	12596.9
10°	12498.1	12553.0	12673.7	12811.0	13021.4	13230.0	13416.7	13409.4	13359.9	12990.3	12260.2
12.5°	11585.0	11649.0	11788.1	11991.2	12289.5	12629.8	12962.9	13008.6	13091.0	12781.7	11949.1
15°	10785.3	10840.2	10977.4	11226.3	11595.9	12053.4	12542.0	12626.2	12838.4	12618.8	11689.3
17.5°	10106.4	10141.2	10241.8	10518.1	10946.3	11500.8	12135.8	12300.4	12617.0	12490.8	11464.2
20°	9632.5	9638.0	9703.8	9897.8	10326.0	10946.3	11714.9	11950.9	12382.8	12381.0	11231.8
22.5°	9398.3	9380.0	9392.8	9504.4	9819.1	10417.5	11294.0	11574.0	12172.4	12287.6	10995.7
25°	9354.3	9339.7	9303.1	9317.7	9508.1	9954.5	10869.5	11193.4	11987.5	12230.9	10790.8
27.5°	9491.6	9506.2	9444.0	9378.1	9392.8	9654.4	10492.5	10867.7	11837.5	12230.9	10646.2
30°	9767.9	9775.2	9729.5	9643.5	9528.2	9570.3	10230.9	10606.0	11762.5	12315.1	10554.7
32.5°	10073.5	10113.7	10108.3	10038.7	9874.0	9703.8	10168.6	10510.8	11757.0	12501.7	10545.6
35°	10452.3	10498.0	10574.9	10560.2	10388.2	10108.3	10380.9	10649.9	11864.9	12809.2	10644.4
37.5°	10854.8	10924.4	11089.1	11167.8	11056.1	10739.6	10856.7	11048.8	12154.1	13306.9	10895.1
40°	11244.6	11323.3	11623.4	11932.6	11848.5	11522.7	11577.6	11731.4	12668.3	14022.4	11370.9
42.5°	11627.1	11744.2	12185.2	12693.9	12794.5	12534.7	12563.9	12686.6	13431.3	15006.8	12148.6
45°	12084.5	12216.3	12869.5	13497.2	13766.2	13652.7	13777.2	13857.7	14428.6	16307.9	13197.1
47.5°	12756.1	12908.0	13709.5	14424.9	14897.0	14970.2	15220.9	15274.0	15689.4	17823.0	14564.0
50°	14066.3	14108.4	14833.0	15482.6	16163.3	16602.5	16888.0	16928.2	17215.5	19479.1	16271.3
52.5°	15715.0	15742.4	16152.3	16587.9	17361.9	18258.5	18926.4	18983.2	19043.5	21093.0	17956.6
55°	17352.7	17349.1	17619.9	17876.1	18761.7	20064.6	21513.9	21548.7	21115.0	22624.6	19244.8
57.5°	18375.6	18474.5	18886.2	19215.6	20452.6	22123.2	24134.3	24262.4	23290.7	23759.1	20518.4
60°	18049.9	18097.5	19010.6	20229.3	22558.7	25049.2	26785.8	26818.7	24926.6	24891.8	22128.7
62.5°	15378.3	15403.9	16838.5	19351.0	23625.6	28844.4	29984.4	29448.2	26807.7	26463.7	24055.6
65°	10540.1	10706.6	11905.2	15010.5	21665.8	31225.1	34936.0	34048.6	29675.1	28729.1	25797.6
67.5°	6206.9	6172.2	6765.1	9052.4	15912.6	29644.0	41199.7	40317.7	33585.6	30246.1	25287.1
70°	4239.8	4216.0	4442.9	5480.5	8982.9	22996.1	43170.5	44951.0	37038.6	29225.0	21762.7
72.5°	3026.6	3039.4	3374.3	4258.1	5639.7	13398.4	37124.6	41338.8	35957.1	25477.4	16542.1
75°	2055.0	2089.7	2569.1	3493.2	4944.3	6816.3	26344.8	31424.5	29279.9	18516.5	9508.1
77.5°	1105.2	1143.7	1709.1	2814.4	4470.4	4735.7	16946.5	21627.3	18392.1	8324.1	2755.8
80°	461.1	483.1	799.7	2045.8	3862.9	4159.3	9971.0	13114.7	7837.4	1641.4	614.8
82.5°	199.5	210.4	333.0	1220.5	2887.5	3511.5	5279.2	6309.4	2375.2	360.5	309.2
85°	38.4	40.3	137.2	645.9	1842.7	1981.8	3421.9	3354.2	1066.8	155.5	225.1
87.5°	0.0	0.0	32.9	203.1	541.6	1079.6	2087.9	2062.3	362.3	75.0	84.2
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°	12999.5	12999.5	12999.5	12999.5	12999.5	12999.5	12999.5	12999.5	12999.5	12999.5	12999.5
2.5°	12897.0	12770.7	12505.4	12177.8	11927.2	11650.8	11431.3	11153.1	11032.3	11037.8	10972.0
5°	12607.9	12348.0	11760.6	11019.5	10448.6	9859.4	9352.5	8847.5	8549.2	8452.2	8360.7
7.5°	12194.3	11782.6	10845.7	9703.8	8737.7	7793.5	6971.8	6249.0	5791.6	5568.3	5486.0
10°	11727.7	11149.5	9793.5	8289.4	6909.6	5632.4	4567.4	3641.5	3271.8	3021.1	2957.1
12.5°	11317.8	10534.6	8765.1	6838.3	5200.5	3659.8	2644.2	2067.8	1817.1	1718.3	1701.8
15°	10931.7	9960.0	7775.2	5524.4	3601.2	2252.6	1681.7	1485.9	1427.3	1410.8	1410.8
17.5°	10567.6	9412.9	6807.1	4230.7	2382.5	1579.2	1392.5	1348.6	1330.3	1328.5	1330.3
20°	10186.9	8865.8	5855.6	3099.8	1663.4	1337.6	1286.4	1262.6	1257.1	1257.1	1257.1
22.5°	9822.8	8318.6	4929.7	2214.2	1334.0	1220.5	1194.9	1178.4	1173.0	1171.1	1167.5
25°	9473.3	7798.9	4025.7	1564.5	1171.1	1118.1	1096.1	1074.1	1057.7	1048.5	1043.0
27.5°	9186.0	7336.0	3184.0	1255.3	1057.7	1011.9	984.5	951.5	911.3	893.0	885.7
30°	8957.3	6913.3	2453.9	1059.5	951.5	905.8	863.7	807.0	748.4	717.3	715.5
32.5°	8777.9	6497.9	1862.8	936.9	856.4	799.7	739.3	667.9	600.2	565.4	563.6
35°	8690.1	6131.9	1423.6	847.2	772.2	700.8	625.8	547.1	481.3	448.3	444.7
37.5°	8748.7	5822.7	1110.7	772.2	700.8	618.5	530.7	448.3	389.8	360.5	358.7
40°	8962.7	5625.0	902.1	708.2	640.5	539.8	444.7	367.8	318.4	294.6	292.8
42.5°	9418.4	5551.9	770.4	655.1	581.9	466.6	369.6	303.8	258.0	241.5	237.9
45°	10179.6	5659.8	680.7	603.9	521.5	397.1	305.6	248.9	208.6	195.8	194.0
47.5°	11193.4	5943.4	616.7	554.5	466.6	334.9	254.4	201.3	170.2	157.4	155.5
50°	12499.9	6393.6	563.6	505.0	415.4	283.6	210.4	159.2	131.8	122.6	122.6
52.5°	13921.7	6929.8	516.0	459.3	364.1	236.1	170.2	122.6	104.3	93.3	93.3
55°	15096.5	7398.2	464.8	424.5	301.9	195.8	129.9	93.3	76.9	71.4	71.4
57.5°	16269.5	7897.8	406.2	364.1	241.5	159.2	98.8	69.5	56.7	53.1	53.1
60°	17790.1	8508.9	349.5	296.4	190.3	120.8	73.2	49.4	42.1	40.3	40.3
62.5°	19462.6	8867.6	298.3	237.9	148.2	89.7	53.1	32.9	31.1	31.1	29.3
65°	20485.5	8360.7	250.7	190.3	115.3	67.7	34.8	23.8	27.4	25.6	22.0
67.5°	19180.8	6545.5	204.9	148.2	89.7	51.2	22.0	16.5	29.3	23.8	18.3
70°	15881.5	4582.0	159.2	104.3	71.4	43.9	14.6	11.0	31.1	23.8	14.6
72.5°	11885.1	3066.9	126.3	69.5	53.1	38.4	12.8	5.5	27.4	20.1	12.8
75°	6494.2	1235.2	100.6	43.9	32.9	27.4	9.1	3.7	18.3	14.6	9.1
77.5°	1709.1	325.7	73.2	29.3	18.3	11.0	5.5	1.8	9.1	7.3	3.7
80°	435.5	126.3	47.6	20.1	12.8	5.5	0.0	0.0	1.8	0.0	0.0
82.5°	232.4	53.1	29.3	14.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	175.7	34.8	16.5	9.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	67.7	11.0	5.5	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)