

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: P319454

Luminaire Tested: **GAN-SA0C-760-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-760-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 68582 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 558
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

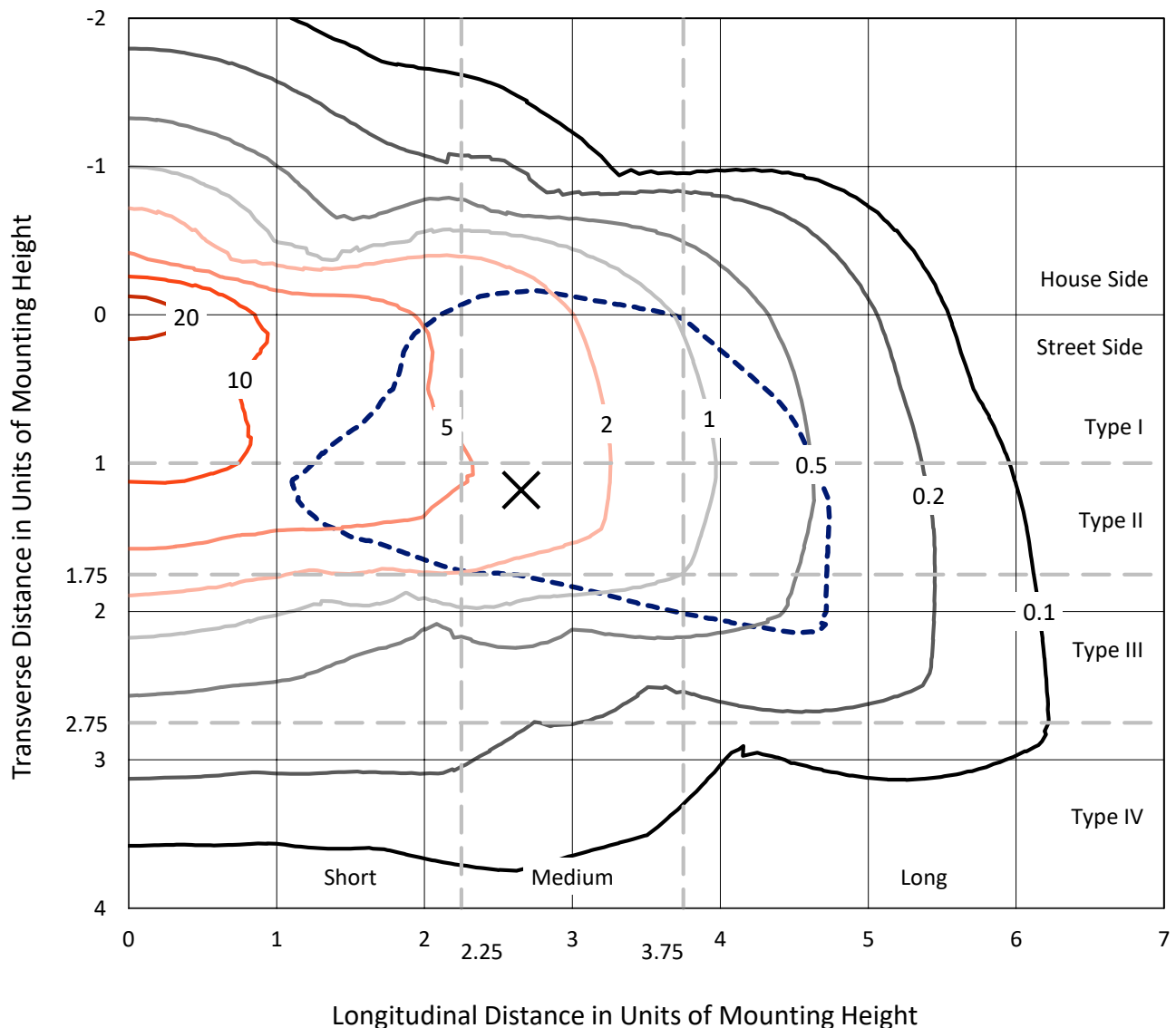


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Iso-Footcandle Lines of Horizontal Illumination

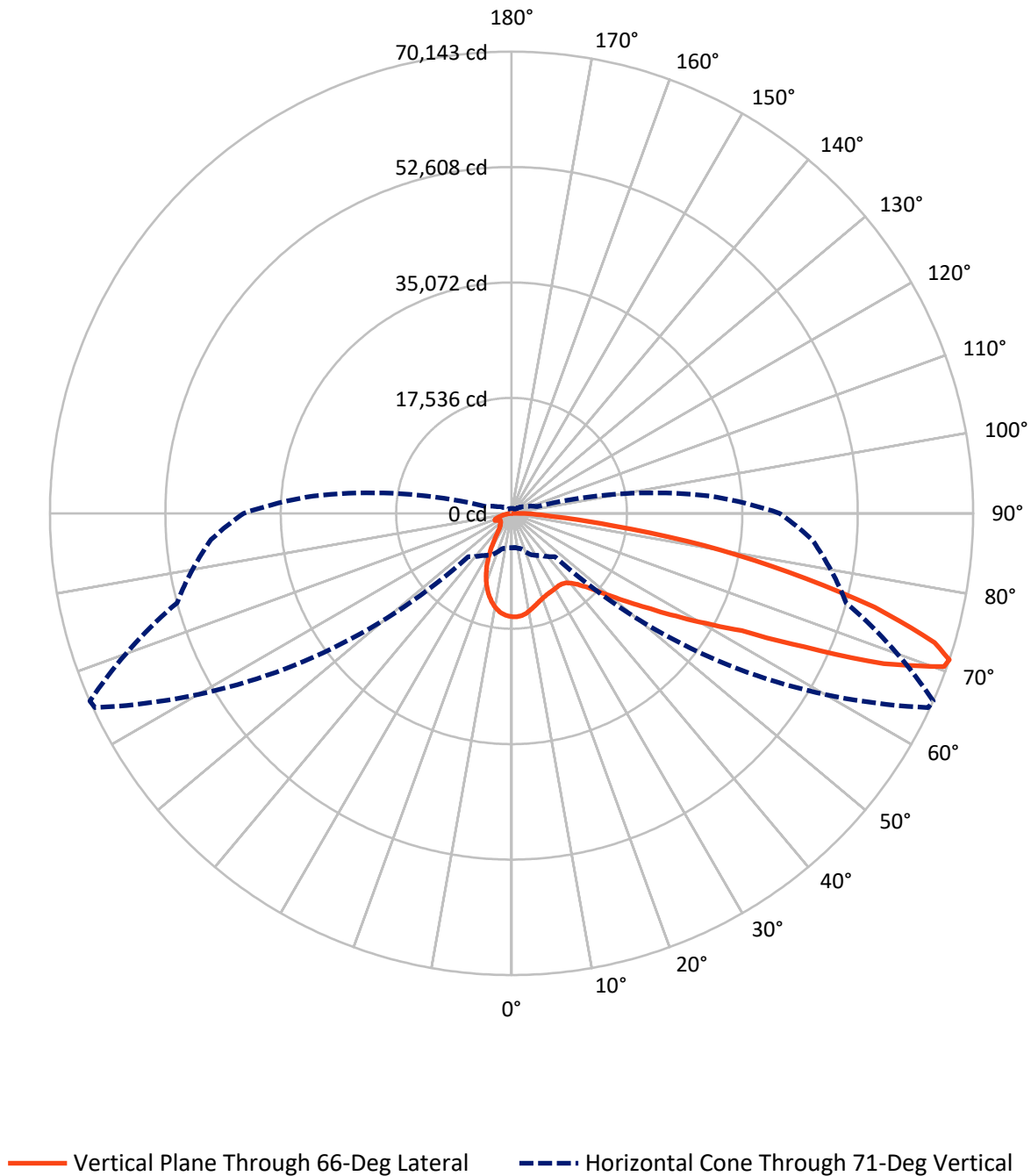
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12710.1	0.0	12710.1
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	55871.9	0.0	55871.9
	% Fixture	81.5	0.0	81.5
Total	Lumens	68582.0	0.0	68582.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1382.9	2.0
10°-20°	3316.9	4.8
20°-30°	4455.4	6.5
30°-40°	5861.0	8.5
40°-50°	8526.2	12.4
50°-60°	13318.8	19.4
60°-70°	16683.9	24.3
70°-80°	12726.1	18.6
80°-90°	2310.9	3.4
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°	68582.0	100.0
0°-180°	68582.0	100.0

Coefficient of Utilization



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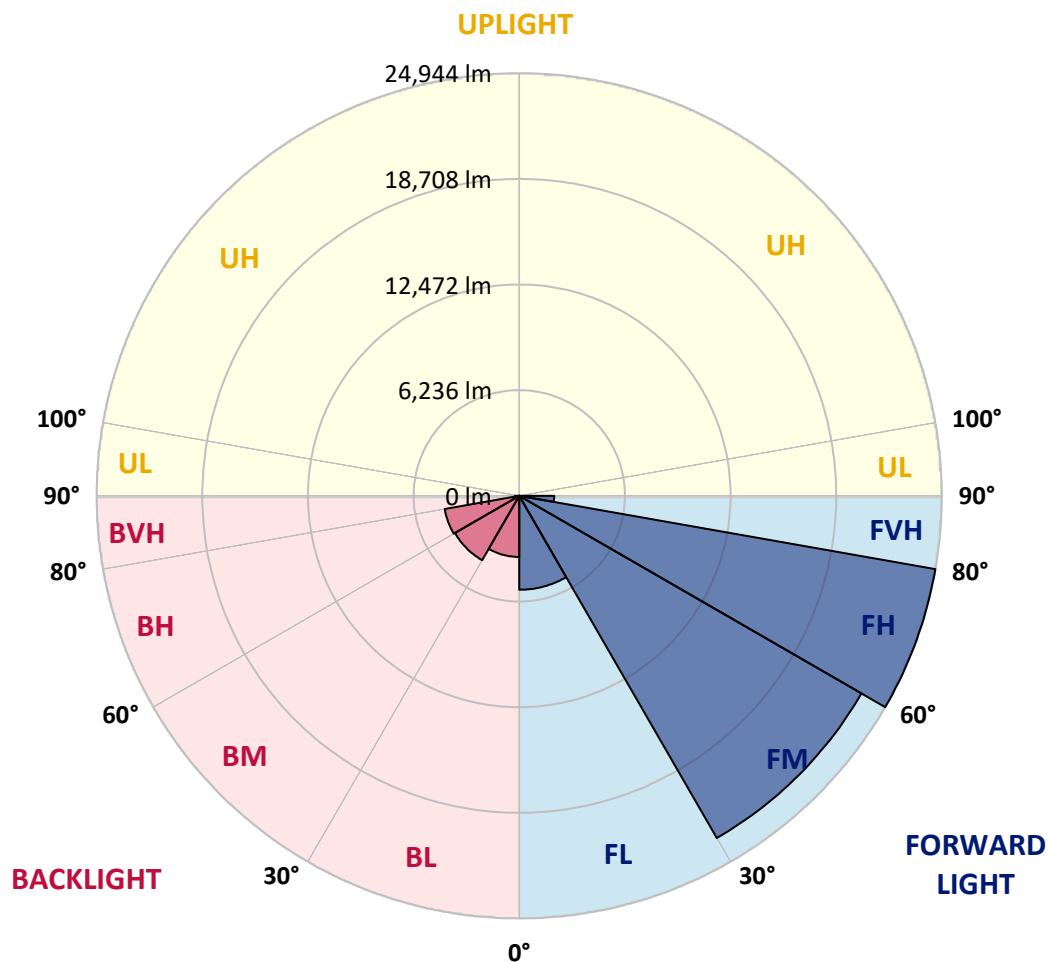
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5545.8	8.1			
FM	(30°-60°)	23321.3	34.0			
FH	(60°-80°)	24944.0	36.4			G5
FVH	(80°-90°)	2060.8	3.0			G5
BL	(0°-30°)	3609.3	5.3	B4/5000		
BM	(30°-60°)	4384.6	6.4	B3/5000		
BH	(60°-80°)	4466.0	6.5	B4/5000		G4/5000
BVH	(80°-90°)	250.2	0.4			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	15710.8	15710.8	15710.8	15710.8	15710.8	15710.8	15710.8	15710.8	15710.8	15710.8	15710.8
2.5°	15419.6	15395.9	15466.9	15540.3	15568.7	15616.1	15687.1	15727.4	15725.0	15732.1	15708.4
5°	14396.6	14365.9	14507.9	14624.0	14846.5	15097.5	15403.0	15620.8	15625.6	15748.7	15781.8
7.5°	13428.2	13406.9	13570.3	13757.3	14015.4	14399.0	14893.9	15362.7	15391.1	15725.0	15841.0
10°	12651.5	12646.8	12805.4	13009.1	13309.8	13738.4	14306.7	14993.3	15036.0	15611.4	15850.5
12.5°	12045.3	12054.8	12192.2	12424.2	12741.5	13189.0	13804.7	14579.0	14647.6	15431.4	15796.1
15°	11597.8	11635.7	11747.0	11981.4	12294.0	12748.6	13380.8	14195.4	14299.6	15230.1	15765.3
17.5°	11342.1	11384.7	11462.9	11657.0	11950.6	12388.7	12987.8	13880.4	13975.2	15076.2	15767.6
20°	11266.3	11301.8	11346.8	11465.2	11713.8	12111.6	12677.6	13596.3	13698.1	14953.1	15791.3
22.5°	11415.5	11441.5	11446.3	11436.8	11588.3	11912.7	12452.6	13387.9	13496.9	14872.6	15807.9
25°	11735.2	11770.7	11744.6	11657.0	11607.3	11806.2	12336.6	13250.6	13359.5	14813.4	15774.7
27.5°	12215.8	12220.6	12199.3	12085.6	11851.2	11818.0	12301.1	13170.1	13274.3	14744.7	15706.1
30°	12869.4	12900.1	12862.3	12708.4	12324.8	12007.5	12343.7	13091.9	13186.7	14657.1	15594.8
32.5°	13634.2	13710.0	13707.6	13546.6	12997.2	12431.3	12518.9	13044.6	13118.0	14564.8	15459.8
35°	14427.4	14531.6	14725.8	14657.1	13977.5	13101.4	12855.2	13120.4	13170.1	14552.9	15365.1
37.5°	15251.4	15355.6	15755.8	15940.5	15144.9	14060.4	13385.6	13387.9	13411.6	14697.4	15358.0
40°	16113.3	16224.6	16826.1	17306.8	16658.0	15275.1	14240.4	13946.7	13920.7	15052.5	15497.7
42.5°	17321.0	17420.4	18142.6	18755.9	18336.8	16830.8	15421.9	14808.7	14754.2	15748.7	15945.2
45°	18848.2	18933.5	19700.7	20356.6	20141.1	18606.7	16906.6	15995.0	15985.5	16909.0	16852.1
47.5°	20664.4	20730.7	21419.7	22054.3	22132.5	20650.2	18772.5	17825.3	17671.4	18500.2	18256.3
50°	22556.3	22629.7	23098.6	23780.5	24360.6	23385.1	21173.5	20067.7	19861.7	20600.5	20245.3
52.5°	23808.9	23906.0	24313.3	25177.5	26865.8	26382.8	24012.6	22786.0	22473.4	23145.9	22873.6
55°	23250.1	23467.9	24090.7	25475.9	28869.1	30962.3	27514.6	25956.6	25603.8	26162.6	26001.6
57.5°	20709.4	21007.7	21857.8	23996.0	29150.8	34997.1	32809.2	29690.7	29442.1	29281.1	29354.5
60°	16066.0	16352.5	17406.2	20193.2	27187.9	37942.7	40777.1	34293.8	33933.9	32411.4	32477.7
62.5°	11370.5	11226.1	11948.3	13987.0	22092.2	38288.4	49843.6	40450.3	39266.4	35716.9	35425.7
65°	8671.1	8638.0	8962.4	9611.2	13380.8	34151.8	55244.7	50797.9	48948.6	39605.0	38918.3
67.5°	7124.9	7065.7	7385.4	8330.2	8616.7	22033.0	55363.1	62803.0	60986.8	44444.9	42957.9
70°	5858.1	5791.8	6090.2	7309.6	7963.1	11174.0	46594.9	69833.2	69736.1	50572.9	46007.7
71°	5251.9	5204.6	5562.1	6916.5	7823.4	9312.8	40230.1	69852.1	70143.4	52647.2	45827.7
72.5°	4276.4	4292.9	4671.8	6156.5	7719.3	8223.6	29567.6	66596.3	67212.0	54624.4	44191.5
75°	2841.4	2855.6	3352.9	4735.7	7484.8	8046.0	16250.7	55881.7	57013.5	53440.4	40324.8
77.5°	1908.5	1903.8	2242.4	3248.7	6521.1	8046.0	9528.3	41795.2	43038.4	42522.2	31087.7
80°	1314.2	1304.7	1543.9	2242.4	4937.0	8143.1	7366.4	29290.5	29667.0	22963.6	12634.9
82.5°	805.1	812.2	1008.7	1584.1	3360.0	7328.6	6954.4	15971.3	15561.6	6440.6	3156.4
85°	461.7	459.4	644.1	1072.6	2157.1	6184.9	6781.6	6873.9	6305.6	1939.3	1141.3
87.5°	165.8	177.6	345.7	594.3	1236.0	4307.2	5753.9	3575.5	3222.7	876.1	516.2
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°	15710.8	15710.8	15710.8	15710.8	15710.8	15710.8	15710.8	15710.8	15710.8	15710.8	15710.8
2.5°	15691.9	15706.1	15689.5	15594.8	15514.3	15384.0	15310.6	15208.8	15178.0	15163.8	15201.7
5°	15751.1	15755.8	15616.1	15367.5	15088.1	14758.9	14522.1	14230.9	14093.6	14034.4	14072.2
7.5°	15805.5	15784.2	15478.8	15002.8	14486.6	13913.6	13404.5	12938.0	12665.7	12554.4	12563.9
10°	15812.6	15722.6	15232.5	14496.1	13695.8	12855.2	12073.8	11353.9	10899.3	10603.3	10693.3
12.5°	15739.2	15587.7	14870.2	13840.2	12729.7	11583.6	10527.5	9447.8	8799.0	8498.3	8507.8
15°	15682.4	15407.7	14425.1	13068.3	11576.5	10058.7	8616.7	7347.5	6656.1	6348.3	6203.8
17.5°	15635.0	15213.6	13908.9	12199.3	10215.0	8289.9	6556.6	5424.8	5045.9	4955.9	4918.1
20°	15568.7	15007.6	13333.5	11192.9	8664.0	6310.4	4787.8	4229.0	4231.4	4335.6	4349.8
22.5°	15476.4	14773.1	12720.2	10063.4	6999.4	4596.0	3753.1	3592.1	3755.4	3954.3	3989.9
25°	15339.1	14496.1	12038.2	8815.6	5337.2	3532.9	3206.1	3199.0	3397.9	3606.3	3637.0
27.5°	15144.9	14133.8	11280.5	7475.4	3933.0	3002.5	2872.2	2921.9	3068.8	3220.3	3232.1
30°	14884.4	13712.3	10444.7	6061.7	3083.0	2673.3	2659.1	2704.1	2794.1	2900.6	2910.1
32.5°	14597.9	13283.7	9552.0	4693.1	2640.2	2495.7	2509.9	2531.3	2573.9	2616.5	2626.0
35°	14337.4	12845.7	8638.0	3566.0	2429.4	2379.7	2370.2	2365.5	2370.2	2356.0	2358.4
37.5°	14169.3	12483.4	7686.1	2839.1	2308.7	2277.9	2249.5	2214.0	2173.7	2150.0	2154.8
40°	14107.8	12213.5	6722.4	2453.1	2209.2	2187.9	2133.4	2057.7	2010.3	1996.1	1996.1
42.5°	14273.5	12073.8	5791.8	2258.9	2126.3	2090.8	2000.8	1913.2	1877.7	1875.4	1873.0
45°	14780.2	12130.6	4906.2	2152.4	2050.6	1981.9	1863.5	1790.1	1766.4	1771.2	1768.8
47.5°	15689.5	12488.1	4148.5	2081.4	1974.8	1884.8	1752.2	1693.0	1664.6	1664.6	1667.0
50°	17235.7	13324.0	3544.7	2022.2	1910.9	1794.8	1671.7	1598.3	1560.4	1558.1	1558.1
52.5°	19487.6	14820.5	3168.2	1972.4	1839.8	1714.3	1591.2	1498.9	1453.9	1444.4	1439.7
55°	22310.1	16965.8	3064.0	1939.3	1745.1	1626.7	1494.1	1401.8	1352.1	1330.7	1328.4
57.5°	25466.4	19575.2	3270.0	1899.0	1648.0	1522.5	1387.6	1300.0	1247.9	1221.8	1219.5
60°	28660.7	22423.7	4110.6	1842.2	1567.5	1408.9	1278.6	1198.1	1146.0	1117.6	1112.9
62.5°	31859.7	25426.2	5827.3	1837.5	1510.7	1300.0	1167.4	1098.7	1049.0	1018.2	1011.1
65°	35468.3	28712.8	7778.4	1963.0	1491.8	1200.5	1053.7	999.2	956.6	928.2	925.8
67.5°	39612.1	32423.2	7591.4	2221.1	1555.7	1110.5	947.1	904.5	873.7	850.1	847.7
70°	41556.1	31843.1	4719.2	2403.4	1645.7	1022.9	845.3	814.5	790.9	774.3	767.2
71°	40741.5	30235.3	3956.7	2382.1	1636.2	985.0	805.1	781.4	757.7	743.5	736.4
72.5°	38520.5	27573.8	3300.8	2216.3	1529.6	916.4	753.0	729.3	708.0	691.4	686.7
75°	34566.1	24625.8	2642.5	1771.2	1219.5	774.3	660.6	634.6	618.0	608.5	599.1
77.5°	25409.6	17574.3	2043.5	1399.4	897.4	632.2	563.6	544.6	528.0	513.8	506.7
80°	9734.3	6807.6	1375.7	1044.2	658.3	499.6	454.6	445.2	428.6	419.1	419.1
82.5°	2621.2	2034.0	734.0	632.2	440.4	364.7	348.1	343.3	329.1	310.2	312.6
85°	1060.8	897.4	412.0	348.1	269.9	215.5	234.4	236.8	220.2	196.5	198.9
87.5°	466.5	381.2	229.7	153.9	118.4	82.9	106.6	106.6	97.1	80.5	73.4
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)