

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: P319784

Luminaire Tested: **GAN-SA0D-760-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-760-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 76804 lumens
Efficiency: N/A
Efficacy: 120.0 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): 640
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

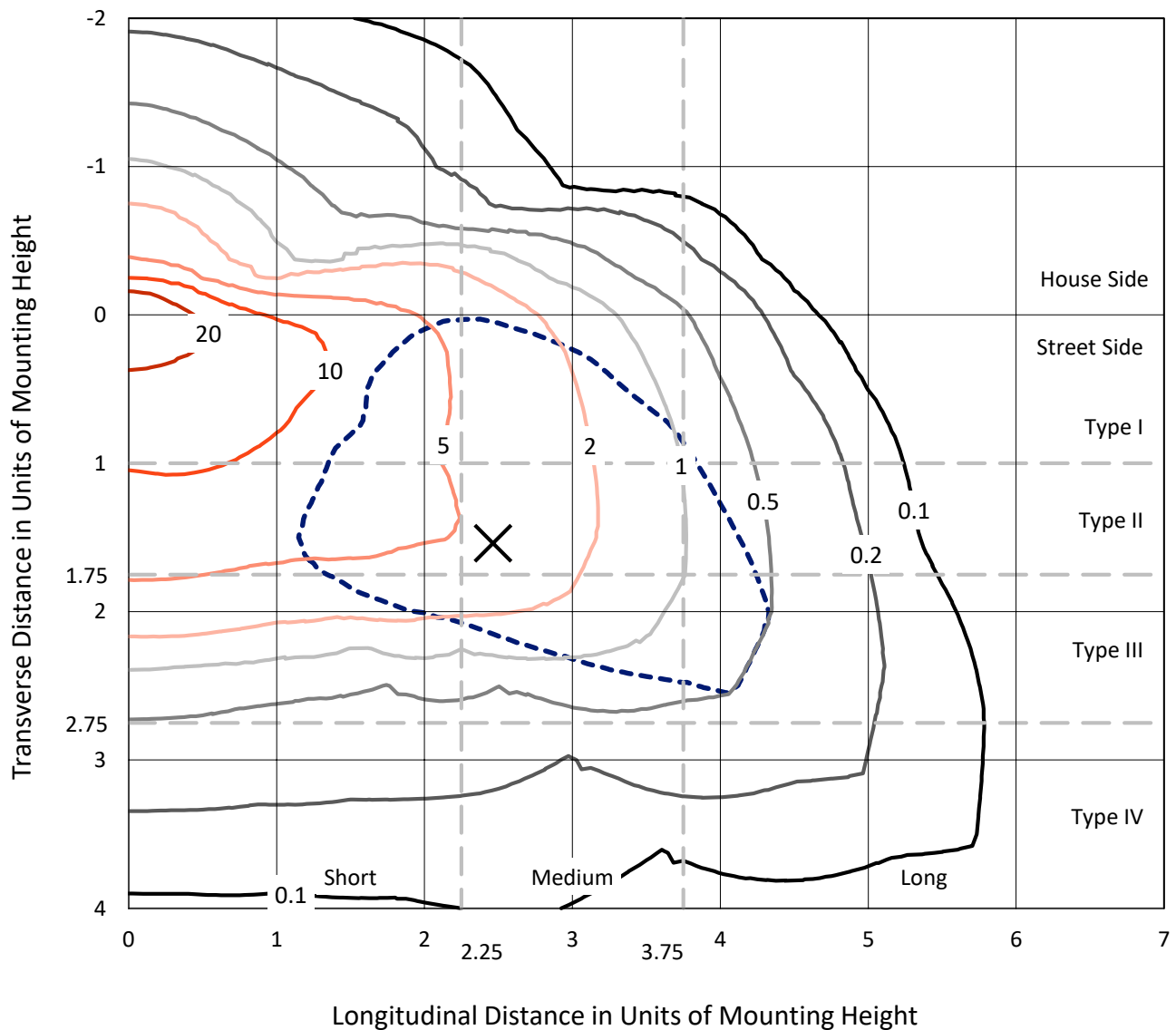


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Iso-Footcandle Lines of Horizontal Illumination

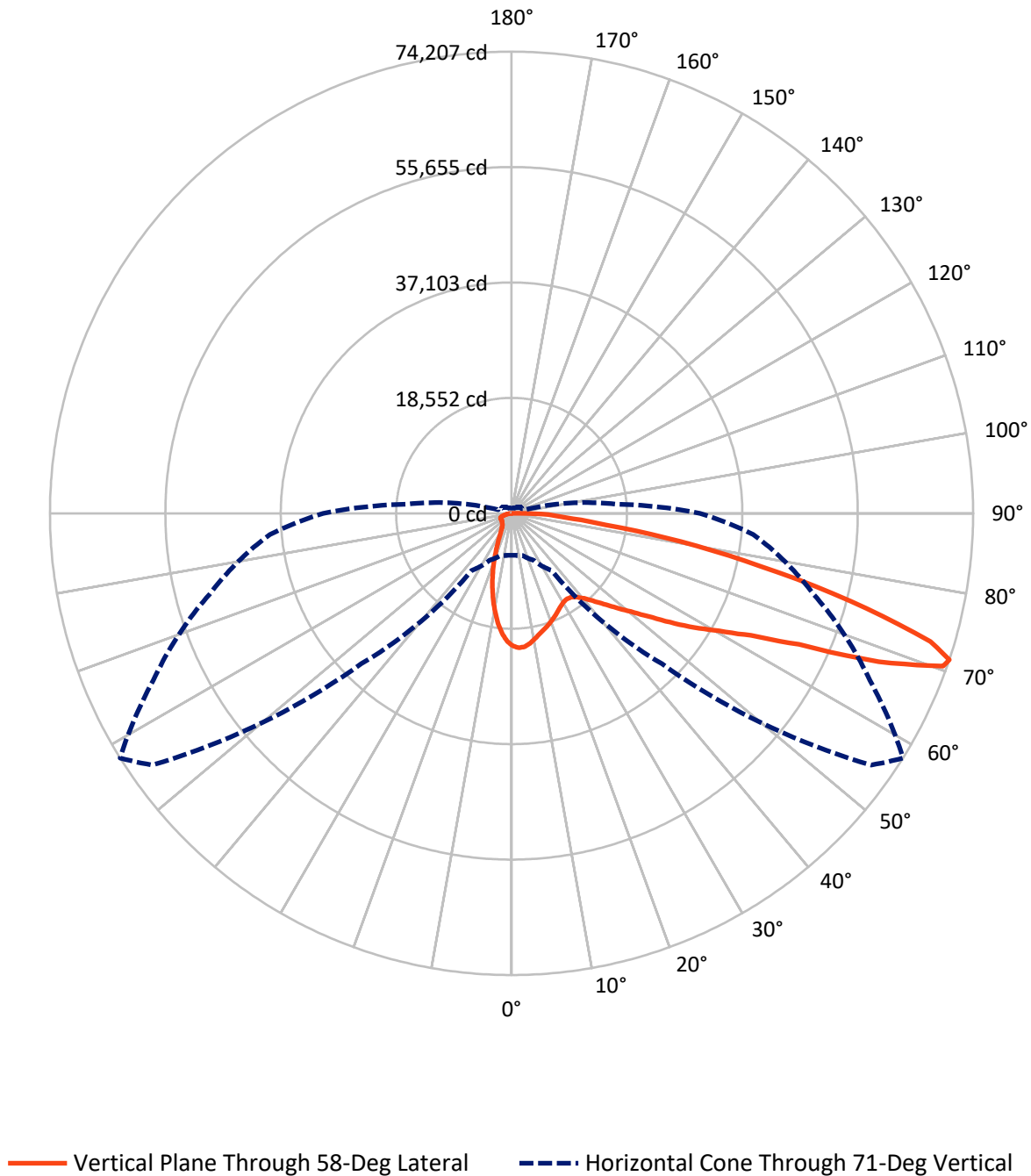
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 34 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	11482.7	0.0	11482.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	65321.3	0.0	65321.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	76804.0	0.0	76804.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1835.8	2.4
10°-20°	4082.1	5.3
20°-30°	5188.0	6.8
30°-40°	6608.5	8.6
40°-50°	9371.1	12.2
50°-60°	14502.2	18.9
60°-70°	19742.9	25.7
70°-80°	13170.8	17.1
80°-90°	2302.7	3.0
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°	76804.0	100.0
0°-180°	76804.0	100.0

Coefficient of Utilization



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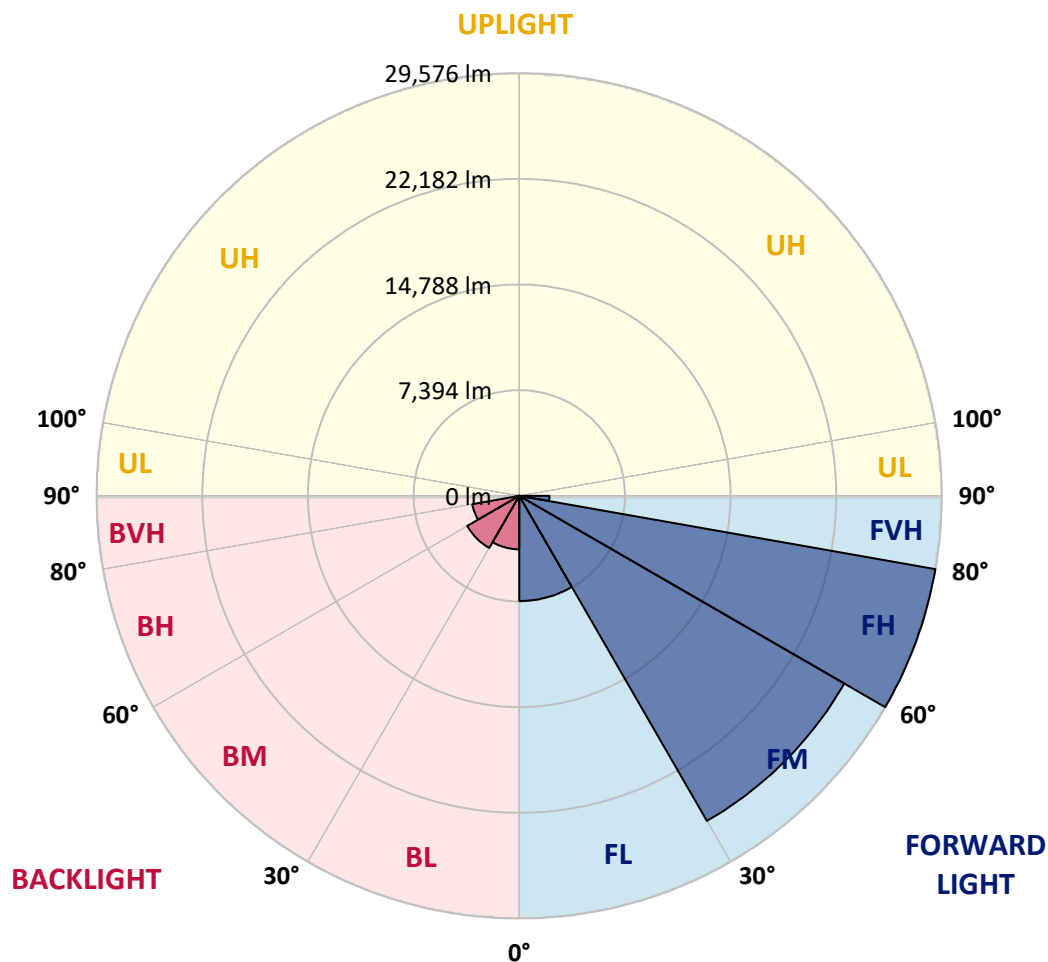
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7362.9	9.6			
FM	(30°-60°)	26270.7	34.2			
FH	(60°-80°)	29576.3	38.5			G5
FVH	(80°-90°)	2111.4	2.7			G5
BL	(0°-30°)	3743.0	4.9	B4/5000		
BM	(30°-60°)	4211.0	5.5	B3/5000		
BH	(60°-80°)	3337.3	4.3	B4/5000		G4/5000
BVH	(80°-90°)	191.3	0.2			G2/225
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°	58°	65°	75°	85°
0°	21279.8	21279.8	21279.8	21279.8	21279.8	21279.8	21279.8	21279.8	21279.8	21279.8	21279.8
2.5°	21844.3	21814.9	21825.6	21804.2	21753.4	21702.5	21627.6	21641.0	21536.7	21381.5	21188.9
5°	21432.3	21421.6	21501.9	21547.4	21584.8	21555.4	21534.0	21560.8	21408.3	21194.2	20859.8
7.5°	20568.2	20450.5	20552.1	20704.6	20849.1	20958.8	21103.3	21122.0	21025.7	20801.0	20362.2
10°	19340.2	19227.8	19377.7	19615.8	19904.7	20166.9	20458.5	20512.0	20530.7	20327.4	19795.0
12.5°	18066.7	17981.1	18130.9	18465.4	18944.2	19348.2	19813.7	19894.0	20059.9	19923.4	19270.6
15°	16927.0	16894.9	17076.8	17405.9	17957.0	18575.0	19246.6	19393.7	19674.6	19629.1	18861.3
17.5°	15942.5	15934.5	16073.6	16418.7	17028.7	17809.9	18682.1	18930.9	19348.2	19401.7	18524.2
20°	15209.4	15193.4	15289.7	15543.9	16172.6	17058.1	18072.1	18414.5	19016.5	19203.8	18176.4
22.5°	14816.2	14813.5	14816.2	14936.6	15450.2	16274.2	17478.2	17895.5	18692.8	19045.9	17791.2
25°	14749.3	14741.3	14682.4	14669.0	14960.6	15618.8	16889.6	17349.7	18385.1	18936.2	17424.6
27.5°	14923.2	14933.9	14856.3	14730.6	14789.4	15188.0	16378.6	16870.8	18139.0	18914.8	17170.5
30°	15284.4	15279.0	15212.1	15081.0	14966.0	15027.5	16014.7	16507.0	17973.1	19008.5	16996.6
32.5°	15683.0	15712.4	15699.0	15626.8	15455.6	15209.4	15905.0	16386.6	17924.9	19233.2	16921.7
35°	16161.9	16194.0	16290.3	16346.5	16145.8	15749.9	16140.5	16557.8	18064.1	19655.9	17042.1
37.5°	16616.7	16699.6	16969.8	17207.9	17036.7	16595.3	16766.5	17063.5	18494.8	20322.1	17365.8
40°	17141.1	17213.3	17654.7	18160.4	18133.6	17676.1	17775.1	17973.1	19254.6	21277.2	17951.7
42.5°	17657.4	17801.9	18441.3	19158.3	19364.3	18960.3	19118.1	19222.5	20324.7	22542.6	18973.7
45°	18345.0	18500.1	19388.4	20252.5	20734.1	20506.7	20758.1	20798.3	21670.4	24265.5	20458.5
47.5°	19385.7	19562.3	20597.6	21504.6	22240.3	22264.4	22679.1	22663.0	23350.6	26237.3	22328.6
50°	21007.0	21261.1	22109.2	22957.3	23850.9	24348.5	24902.3	24824.7	25365.1	28337.5	24482.3
52.5°	23131.2	23248.9	23877.6	24503.7	25613.9	26729.6	27524.1	27454.6	27649.9	30496.5	26927.5
55°	25333.0	25421.3	25680.8	26023.3	27516.1	29335.4	31015.5	30905.8	30410.9	32738.4	29343.4
57.5°	27312.8	27492.0	27671.3	27813.1	29431.7	32058.9	34587.1	34595.1	33407.3	35157.0	31839.5
60°	27620.5	27778.3	28963.5	30081.8	32709.0	35692.0	38410.2	38329.9	36508.0	37781.5	34621.9
62.5°	24415.4	24771.2	26751.0	29726.0	35865.9	42337.6	43287.4	43188.4	40216.1	41016.0	37861.7
65°	17496.9	17900.9	20290.0	24760.5	34335.6	49660.1	52089.3	50757.0	45272.5	44994.3	41655.4
67.5°	10094.1	10190.5	11225.8	14816.2	26143.7	50042.7	65517.0	63652.3	53124.7	49507.6	43512.1
70°	7464.3	7461.6	7707.7	9117.6	14147.3	40842.1	71903.1	73575.2	61391.6	50992.4	40887.6
71°	6749.9	6758.0	7033.5	8299.0	11204.4	34185.8	70546.7	74206.6	63569.3	50259.4	38988.1
72.5°	5773.4	5800.2	6182.8	7442.9	9425.3	23575.3	64703.7	70418.2	64602.0	48450.8	36015.7
75°	4379.6	4441.1	4970.8	6273.7	8614.7	11956.2	47487.7	56230.8	57389.2	42752.3	26761.7
77.5°	3124.8	3194.4	3793.7	5275.8	8189.3	9010.6	31802.0	41016.0	42233.3	27398.4	12071.2
80°	1974.4	2057.4	2509.5	4197.6	7694.3	8555.8	19985.0	27569.6	23029.5	8767.2	3071.3
82.5°	1158.4	1222.6	1557.1	2742.2	6284.4	8240.1	11758.2	15281.7	8962.5	2648.6	1396.5
85°	671.5	700.9	971.2	1747.0	4564.2	7777.3	8638.7	8542.4	3890.0	1294.9	660.8
87.5°	313.0	347.8	575.2	912.3	2533.6	5637.0	6827.5	5899.2	2418.5	607.3	310.3
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°	21279.8	21279.8	21279.8	21279.8	21279.8	21279.8	21279.8	21279.8	21279.8	21279.8	21279.8
2.5°	21095.2	21049.8	20859.8	20691.3	20514.7	20284.6	20030.4	19998.3	19843.2	19872.6	19819.1
5°	20677.9	20562.8	20105.4	19690.7	19201.1	18762.3	18286.1	18066.7	17751.0	17729.6	17649.4
7.5°	20081.3	19867.3	19158.3	18371.7	17585.2	16836.1	16095.0	15608.1	15110.5	14899.1	14880.4
10°	19409.8	19045.9	18002.5	16838.7	15704.4	14610.2	13550.7	12766.8	12060.5	11726.1	11712.7
12.5°	18773.0	18235.3	16804.0	15220.1	13668.4	12250.5	10797.8	9767.8	8882.2	8585.2	8459.5
15°	18232.6	17475.5	15637.5	13612.3	11728.8	9759.7	8106.4	7022.8	6204.2	5920.6	5867.1
17.5°	17708.2	16734.4	14441.6	11988.3	9711.6	7547.2	5891.2	5085.9	4649.8	4534.7	4532.1
20°	17186.5	15971.9	13192.2	10326.9	7761.2	5645.0	4529.4	4168.2	4021.1	4007.7	3986.3
22.5°	16595.3	15164.0	11878.6	8660.2	6057.0	4438.4	3849.8	3705.4	3686.7	3734.8	3734.8
25°	16041.5	14361.4	10546.3	7028.2	4711.3	3702.7	3437.8	3408.4	3459.2	3544.9	3552.9
27.5°	15525.1	13588.2	9246.1	5578.1	3774.9	3261.3	3151.6	3186.4	3277.3	3376.3	3379.0
30°	15099.8	12857.8	7983.3	4395.6	3189.0	2932.2	2913.5	2983.0	3082.0	3159.6	3178.3
32.5°	14770.7	12234.4	6763.3	3534.2	2806.5	2686.1	2702.1	2761.0	2822.5	2865.3	2894.7
35°	14618.2	11699.4	5637.0	2980.4	2563.0	2496.1	2517.5	2549.6	2576.4	2608.5	2632.6
37.5°	14644.9	11284.7	4631.1	2635.2	2399.8	2365.0	2365.0	2365.0	2365.0	2381.1	2383.7
40°	14893.7	11046.6	3812.4	2415.9	2290.1	2252.7	2223.2	2196.5	2175.1	2185.8	2180.4
42.5°	15530.5	11025.2	3213.1	2276.7	2201.8	2140.3	2081.4	2044.0	2017.2	2027.9	2033.3
45°	16611.3	11292.7	2809.1	2177.7	2118.9	2025.3	1950.3	1910.2	1891.5	1926.3	1931.6
47.5°	18010.5	11875.9	2563.0	2105.5	2041.3	1918.2	1838.0	1800.5	1805.9	1856.7	1870.1
50°	19813.7	12823.0	2445.3	2060.0	1987.8	1827.3	1744.3	1712.2	1728.3	1800.5	1816.6
52.5°	21793.5	14187.5	2458.7	2046.7	1953.0	1760.4	1672.1	1634.6	1661.4	1728.3	1741.7
55°	24078.3	15827.5	2680.7	2065.4	1902.2	1717.6	1613.2	1549.0	1570.4	1632.0	1642.7
57.5°	26617.2	17705.6	3127.5	2060.0	1838.0	1677.5	1551.7	1455.4	1471.4	1508.9	1519.6
60°	29260.5	19974.3	3820.4	2076.1	1808.5	1629.3	1468.8	1348.4	1343.0	1375.1	1380.5
62.5°	32433.4	22598.8	4612.3	2086.8	1827.3	1567.8	1359.1	1241.4	1225.3	1233.3	1238.7
65°	35702.7	24498.3	4315.4	2044.0	1886.1	1516.9	1262.8	1137.0	1107.6	1102.2	1104.9
67.5°	35804.4	22462.4	3025.8	1958.4	1910.2	1490.2	1190.5	1048.7	1000.6	981.9	979.2
70°	32109.7	18248.7	2357.0	1867.4	1813.9	1447.4	1123.7	976.5	904.3	874.8	872.2
71°	30306.5	16798.6	2233.9	1821.9	1741.7	1404.6	1094.2	944.4	869.5	837.4	832.0
72.5°	27478.7	15059.6	2084.1	1749.7	1602.5	1294.9	1038.0	898.9	821.3	783.9	775.9
75°	19720.1	9848.0	1789.8	1559.7	1327.0	1032.7	909.6	808.0	741.1	695.6	690.2
77.5°	7598.0	3919.4	1353.7	1297.6	1016.6	808.0	749.1	698.3	650.1	604.6	602.0
80°	2349.0	1752.4	987.2	976.5	735.7	602.0	583.2	569.9	551.1	503.0	492.3
82.5°	1254.7	1005.9	679.5	631.4	481.6	401.3	422.7	428.1	430.7	379.9	374.6
85°	599.3	532.4	382.6	358.5	280.9	224.7	259.5	280.9	283.6	232.8	216.7
87.5°	286.3	278.2	179.2	136.4	104.3	74.9	91.0	112.4	123.1	88.3	77.6
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)