

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: P318054

Luminaire Tested: **GAN-SA0C-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62567 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

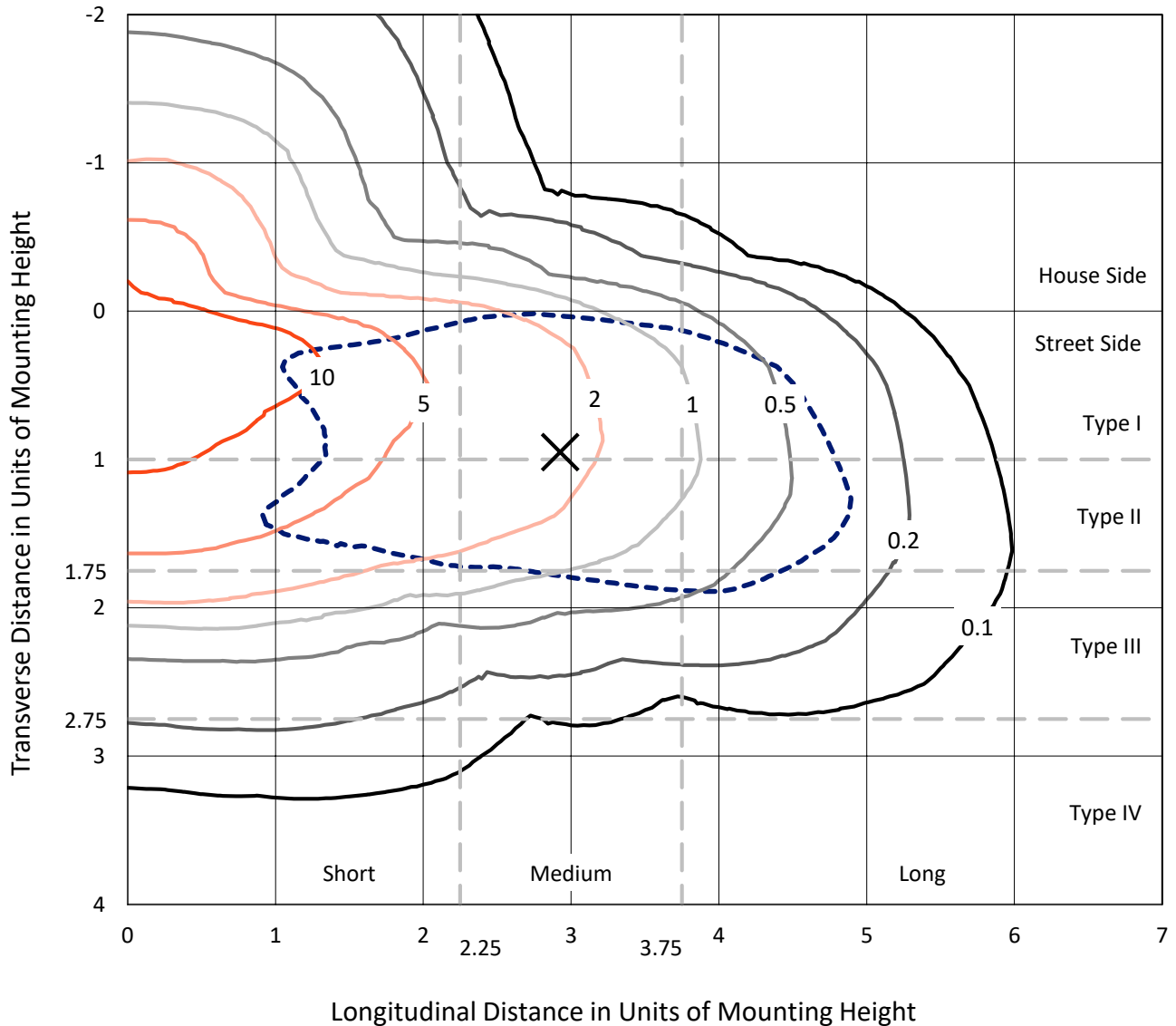
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

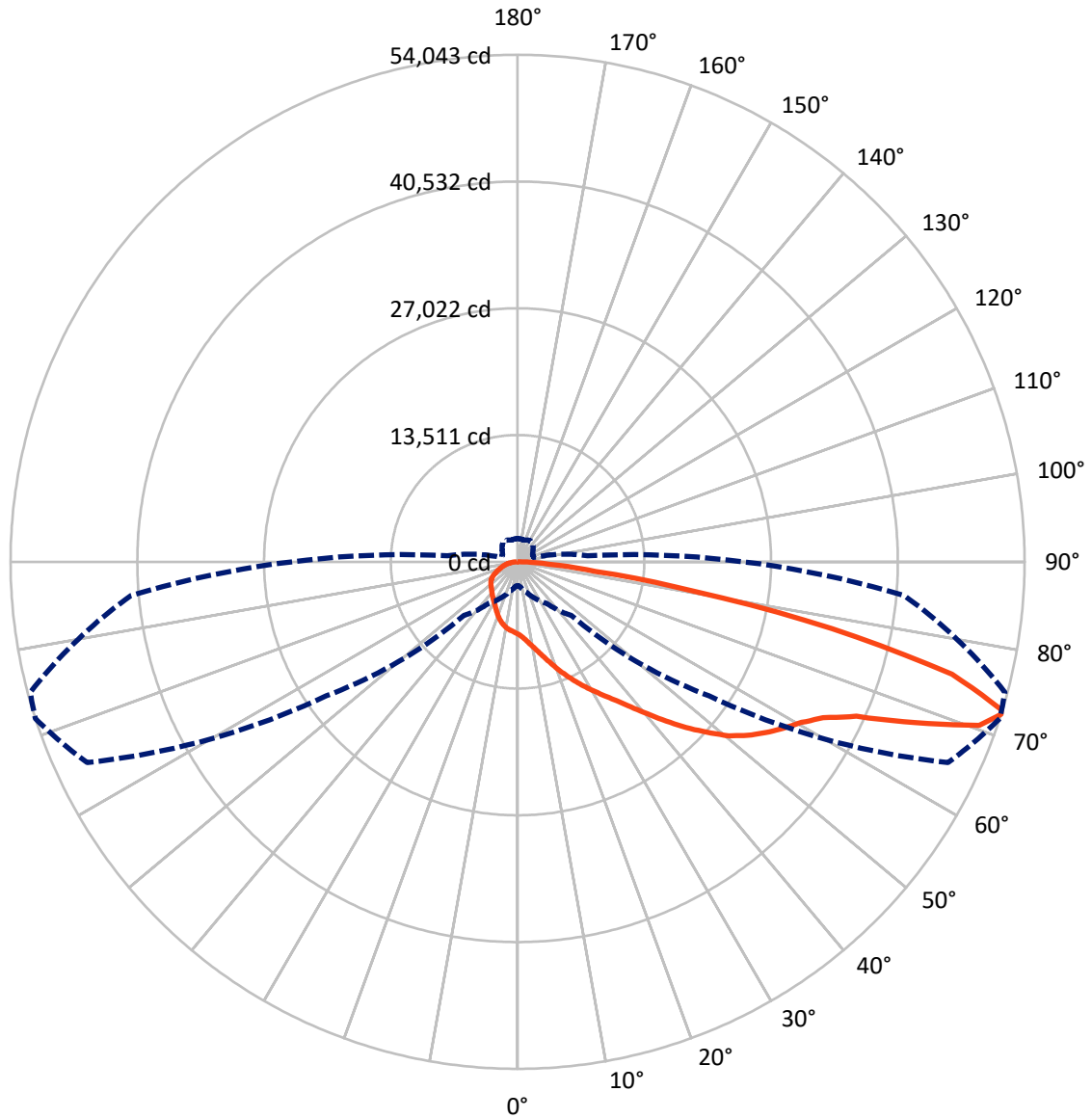
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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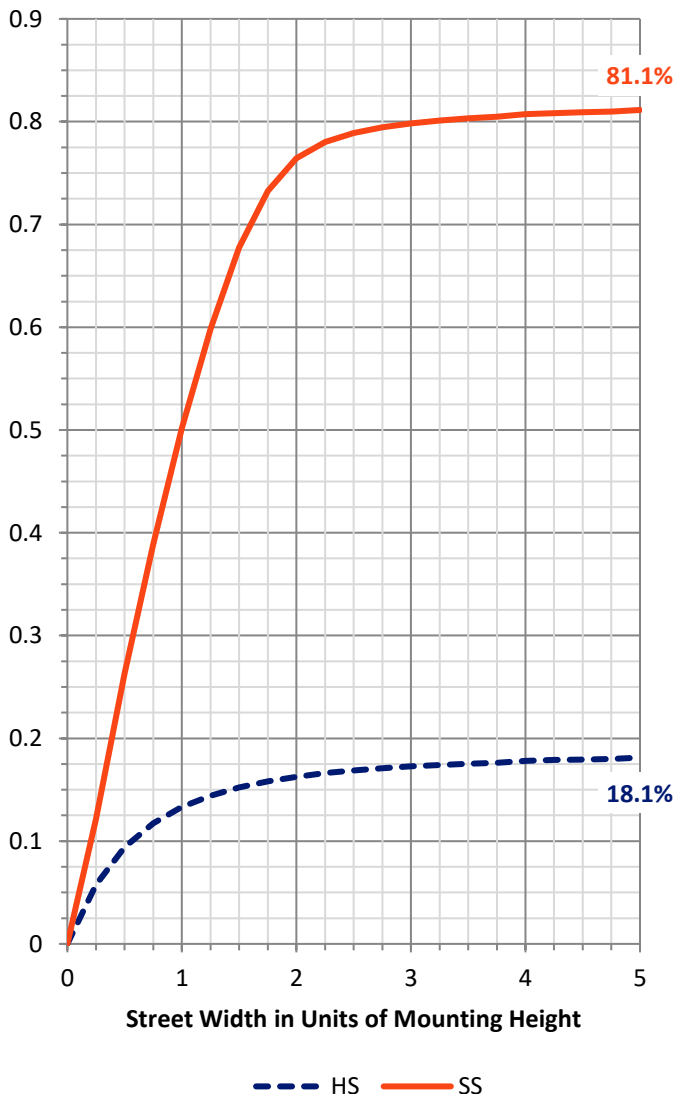
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11606.6	0.0	11606.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	50960.4	0.0	50960.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	62567.0	0.0	62567.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	771.3	1.2
10°-20°	2492.5	4.0
20°-30°	4367.6	7.0
30°-40°	6475.8	10.4
40°-50°	9471.3	15.1
50°-60°	13032.5	20.8
60°-70°	14509.0	23.2
70°-80°	9831.3	15.7
80°-90°	1615.9	2.6
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°	62567.0	100.0
0°-180°	62567.0	100.0

Coefficient of Utilization

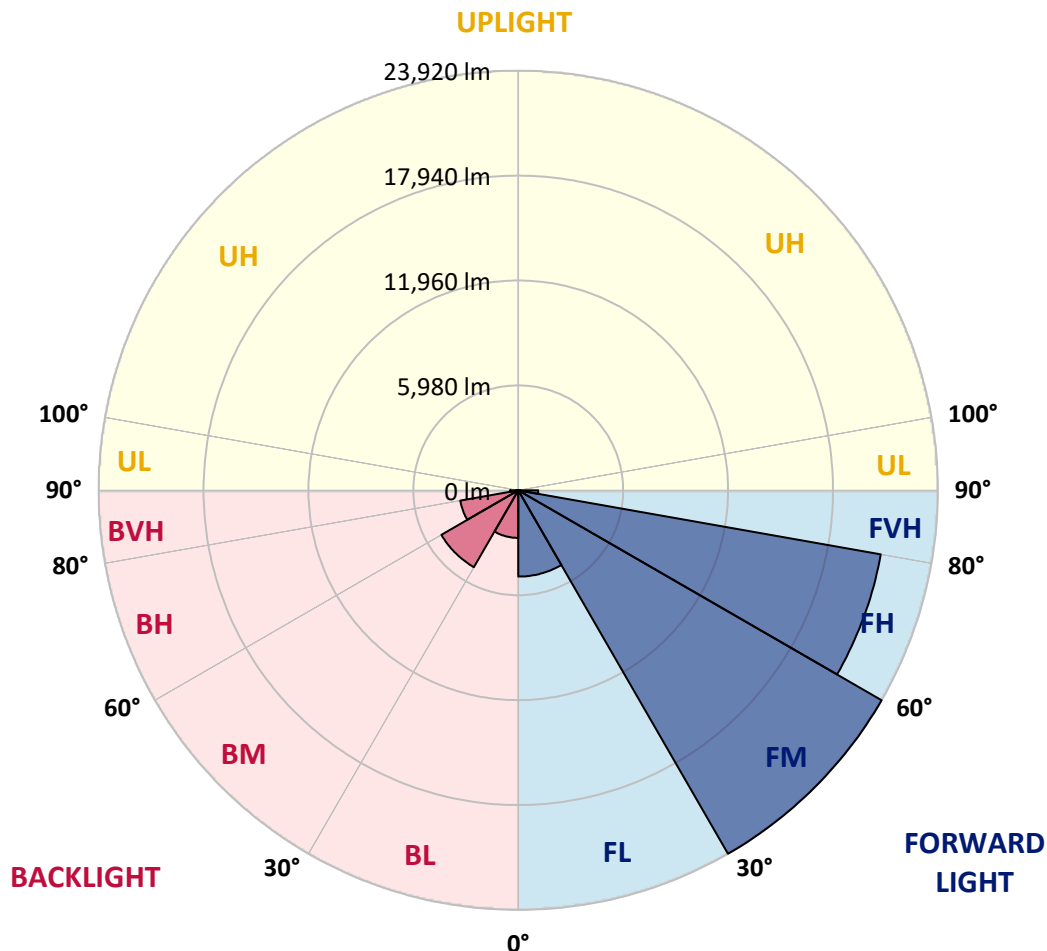


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4918.1	7.9			
FM (30°-60°)	23920.1	38.2			
FH (60°-80°)	20982.3	33.5			G5
FVH (80°-90°)	1139.8	1.8			G5
BL (0°-30°)	2713.2	4.3	B4/5000		
BM (30°-60°)	5059.4	8.1	B4/8500		
BH (60°-80°)	3357.9	5.4	B4/5000		G4/5000
BVH (80°-90°)	476.1	0.8			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°	72°	75°	85°
0°	7697.4	7697.4	7697.4	7697.4	7697.4	7697.4	7697.4	7697.4	7697.4	7697.4	7697.4
2.5°	8503.1	8490.2	8444.9	8444.9	8358.7	8285.5	8147.6	8055.0	7945.1	7906.3	7777.1
5°	9326.0	9330.3	9274.3	9235.6	9108.5	8953.3	8718.5	8505.2	8292.0	8205.8	7940.8
7.5°	10017.6	10009.0	9993.9	9961.6	9843.1	9683.7	9367.0	9050.3	8735.8	8606.5	8149.8
10°	10461.4	10480.8	10493.7	10508.8	10459.2	10345.0	10045.6	9660.0	9248.5	9071.8	8399.7
12.5°	10685.4	10719.9	10780.2	10883.6	10965.5	10952.5	10735.0	10325.6	9836.6	9614.7	8712.1
15°	10816.8	10862.1	10956.9	11142.1	11372.6	11504.1	11445.9	11075.3	10530.3	10256.7	9093.4
17.5°	10898.7	10935.3	11081.8	11329.6	11672.1	12021.1	12174.0	11863.8	11314.5	11002.1	9530.7
20°	10954.7	10982.7	11165.8	11456.7	11900.4	12456.3	12882.8	12805.3	12178.4	11773.3	9987.4
22.5°	11079.7	11103.3	11277.8	11570.8	12062.0	12779.4	13565.7	13682.1	13089.6	12630.8	10476.4
25°	11428.6	11428.6	11575.1	11779.8	12240.8	13059.5	14143.1	14658.0	14020.3	13486.0	10928.8
27.5°	12094.3	12087.9	12141.7	12212.8	12561.8	13343.8	14658.0	15519.7	14985.4	14401.6	11368.3
30°	12882.8	12925.9	12932.4	12897.9	13061.6	13699.3	15134.1	16428.8	15957.0	15328.0	11818.6
32.5°	13897.5	13925.5	13893.2	13779.0	13755.3	14203.4	15601.6	17381.0	17008.3	16295.3	12230.1
35°	15185.8	15131.9	15030.7	14798.0	14576.1	14877.7	16135.8	18333.2	18188.9	17465.0	12796.6
37.5°	16566.7	16568.8	16443.9	15916.1	15610.2	15739.4	16872.6	19412.5	19617.2	18856.7	13522.6
40°	17674.0	17732.2	17809.7	17116.0	16719.7	16898.5	17809.7	20664.2	21306.2	20506.9	14468.4
42.5°	18447.4	18514.2	18733.9	18298.8	17887.3	18219.1	18912.7	21999.9	23202.0	22411.4	15575.7
45°	19266.1	19302.7	19457.8	19270.4	19007.5	19755.1	20155.8	23383.0	25207.7	24440.7	16814.4
47.5°	20127.8	20166.6	20326.0	20201.0	20063.2	21189.9	21452.7	24686.3	27129.3	26670.4	18137.2
50°	21192.0	21217.9	21368.7	21142.5	21185.5	22271.3	22611.7	25882.0	29143.6	28674.0	19464.3
52.5°	22644.0	22650.5	22859.5	22654.8	22452.3	23064.1	23609.2	27008.7	30722.7	30500.8	20791.3
55°	23781.5	23850.4	24535.5	24492.4	24376.1	23783.7	24442.9	28081.5	32131.6	32237.2	22200.2
57.5°	23055.5	23324.8	24712.2	25690.2	26642.4	25573.9	25569.6	29290.1	33441.5	33941.3	23749.2
60°	20192.4	20558.6	22603.1	24772.5	27751.9	28689.0	27909.2	30765.8	34764.2	35630.2	25690.2
62.5°	14421.0	15024.2	17794.7	21258.8	26231.0	30752.9	32670.2	33107.5	36563.1	37586.4	28212.9
65°	7290.2	7746.9	10069.3	14242.2	20957.2	29404.3	37844.9	38234.8	39689.0	40598.1	32097.2
67.5°	4429.3	4601.6	5734.8	7921.4	12848.3	22904.7	39533.9	46781.0	45738.3	46220.9	37635.9
70°	3263.8	3390.9	4097.5	5260.8	7389.3	13440.8	34350.6	52879.9	52194.8	52140.9	41729.1
72°	2542.1	2634.7	3259.5	4250.5	5403.0	8063.6	24897.4	50628.6	54043.2	53771.7	41354.3
72.5°	2410.7	2492.5	3061.3	4000.6	5105.7	7309.6	22385.5	49109.8	53909.6	53786.8	40869.5
75°	1898.0	1956.1	2266.3	3093.6	3996.3	4147.1	12266.7	38058.2	47823.7	49812.1	36759.1
77.5°	1570.5	1579.1	1742.8	2251.3	3115.1	2932.0	6025.6	26405.5	34245.0	36431.6	26039.2
80°	1279.7	1290.4	1368.0	1579.1	2356.8	2169.4	2860.9	15183.6	19173.4	19197.1	12383.0
82.5°	1019.0	1021.1	1107.3	1154.7	1693.3	1551.1	1639.4	7128.6	8378.1	8059.3	4450.8
85°	717.4	702.3	1081.5	947.9	1107.3	995.3	904.8	2822.2	3464.1	3313.3	1393.8
87.5°	239.1	247.7	480.4	614.0	646.3	564.4	402.9	1081.5	1307.7	1296.9	441.6
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°	7697.4	7697.4	7697.4	7697.4	7697.4	7697.4	7697.4	7697.4	7697.4	7697.4	7697.4
2.5°	7736.2	7667.2	7566.0	7453.9	7365.6	7275.1	7208.3	7173.9	7135.1	7102.8	7141.6
5°	7818.0	7688.8	7473.3	7262.2	7107.1	6969.2	6870.1	6818.4	6771.0	6738.7	6743.0
7.5°	7951.6	7742.6	7380.7	7072.6	6857.2	6708.5	6607.3	6572.8	6542.7	6534.0	6544.8
10°	8093.8	7785.7	7257.9	6848.6	6603.0	6480.2	6434.9	6458.6	6480.2	6499.6	6521.1
12.5°	8255.3	7824.5	7079.1	6585.7	6376.8	6329.4	6374.6	6478.0	6553.4	6598.7	6626.7
15°	8466.5	7858.9	6872.3	6322.9	6182.9	6236.7	6389.7	6568.5	6699.9	6783.9	6796.9
17.5°	8660.4	7856.8	6607.3	6057.9	6025.6	6182.9	6413.4	6665.5	6842.1	6960.6	6984.3
20°	8860.7	7798.6	6299.2	5799.4	5866.2	6124.7	6424.2	6727.9	6941.2	7079.1	7111.4
22.5°	9048.1	7697.4	5961.0	5564.6	5732.6	6047.2	6383.2	6691.3	6904.6	7016.6	7051.1
25°	9175.2	7520.7	5618.5	5366.4	5614.1	5952.4	6249.7	6497.4	6656.8	6712.9	6721.5
27.5°	9239.9	7290.2	5295.3	5194.1	5491.4	5797.3	6001.9	6124.7	6170.0	6165.7	6157.0
30°	9248.5	6986.4	5017.4	5054.0	5349.2	5568.9	5665.9	5642.2	5584.0	5484.9	5493.5
32.5°	9220.5	6643.9	4784.7	4920.5	5168.2	5291.0	5295.3	5181.1	5026.0	4868.8	4825.7
35°	9229.1	6307.8	4580.1	4769.7	4948.5	5002.3	4952.8	4784.7	4573.6	4371.1	4328.0
37.5°	9323.9	6014.9	4403.4	4595.2	4705.0	4718.0	4646.9	4470.2	4315.1	4116.9	4099.7
40°	9550.1	5805.9	4235.4	4399.1	4461.6	4468.1	4366.8	4241.8	4254.8	4149.2	4147.1
42.5°	9957.3	5715.4	4086.7	4194.5	4233.2	4246.2	4168.6	4088.9	4200.9	4132.0	4108.3
45°	10482.9	5736.9	3961.8	3994.1	4065.2	4125.5	4078.1	3981.2	4024.3	3724.8	3625.7
47.5°	11090.4	5874.8	3862.7	3821.8	3944.6	4058.7	3985.5	3839.0	3686.0	3388.7	3332.7
50°	11801.3	6088.1	3772.2	3651.6	3813.1	3968.3	3895.0	3686.0	3455.5	3311.2	3291.8
52.5°	12542.4	6348.8	3681.7	3464.1	3647.3	3899.3	3862.7	3651.6	3367.2	3225.0	3199.2
55°	13382.6	6611.6	3567.5	3246.6	3468.4	3867.0	3847.6	3526.6	3300.4	3220.7	3201.3
57.5°	14427.5	6911.0	3416.7	3020.4	3300.4	3750.7	3690.3	3451.2	3231.5	3171.2	3164.7
60°	15789.0	7352.7	3199.2	2779.1	3095.8	3571.9	3558.9	3341.3	3121.6	3078.5	3069.9
62.5°	17831.3	8083.0	2899.7	2537.8	2867.4	3268.1	3386.6	3192.7	3005.3	3003.1	3007.4
65°	20998.1	9181.7	2574.4	2326.7	2636.9	3011.7	3186.2	3039.7	2886.8	2929.9	2936.3
67.5°	24669.1	10093.0	2255.6	2119.8	2402.1	2768.3	3005.3	2886.8	2729.5	2841.5	2843.7
70°	25890.6	9278.6	1975.5	1915.2	2158.6	2533.5	2809.2	2718.7	2559.3	2671.4	2660.6
72°	24093.9	7490.6	1794.5	1760.1	1975.5	2339.6	2634.7	2561.5	2404.2	2479.6	2451.6
72.5°	23527.3	7141.6	1749.3	1721.3	1926.0	2290.0	2589.5	2522.7	2365.4	2430.1	2404.2
75°	20987.4	6202.3	1503.7	1510.2	1680.4	2048.8	2335.3	2313.7	2152.2	2158.6	2150.0
77.5°	15222.4	4547.8	1266.7	1309.8	1430.5	1801.0	2078.9	2066.0	1889.3	1857.0	1850.6
80°	7064.0	2320.2	1031.9	1051.3	1176.3	1505.9	1773.0	1755.8	1613.6	1572.7	1549.0
82.5°	2419.3	1103.0	775.6	788.5	911.3	1212.9	1538.2	1527.4	1408.9	1329.2	1279.7
85°	863.9	549.4	542.9	530.0	650.6	954.4	1340.0	1281.8	1107.3	943.6	939.3
87.5°	280.1	234.8	280.1	277.9	379.2	646.3	973.8	829.4	803.6	667.8	654.9
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)