

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: P533260

Luminaire Tested: **GLAN-SA8C-830-U-T2R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-830-U-T2R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39643 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

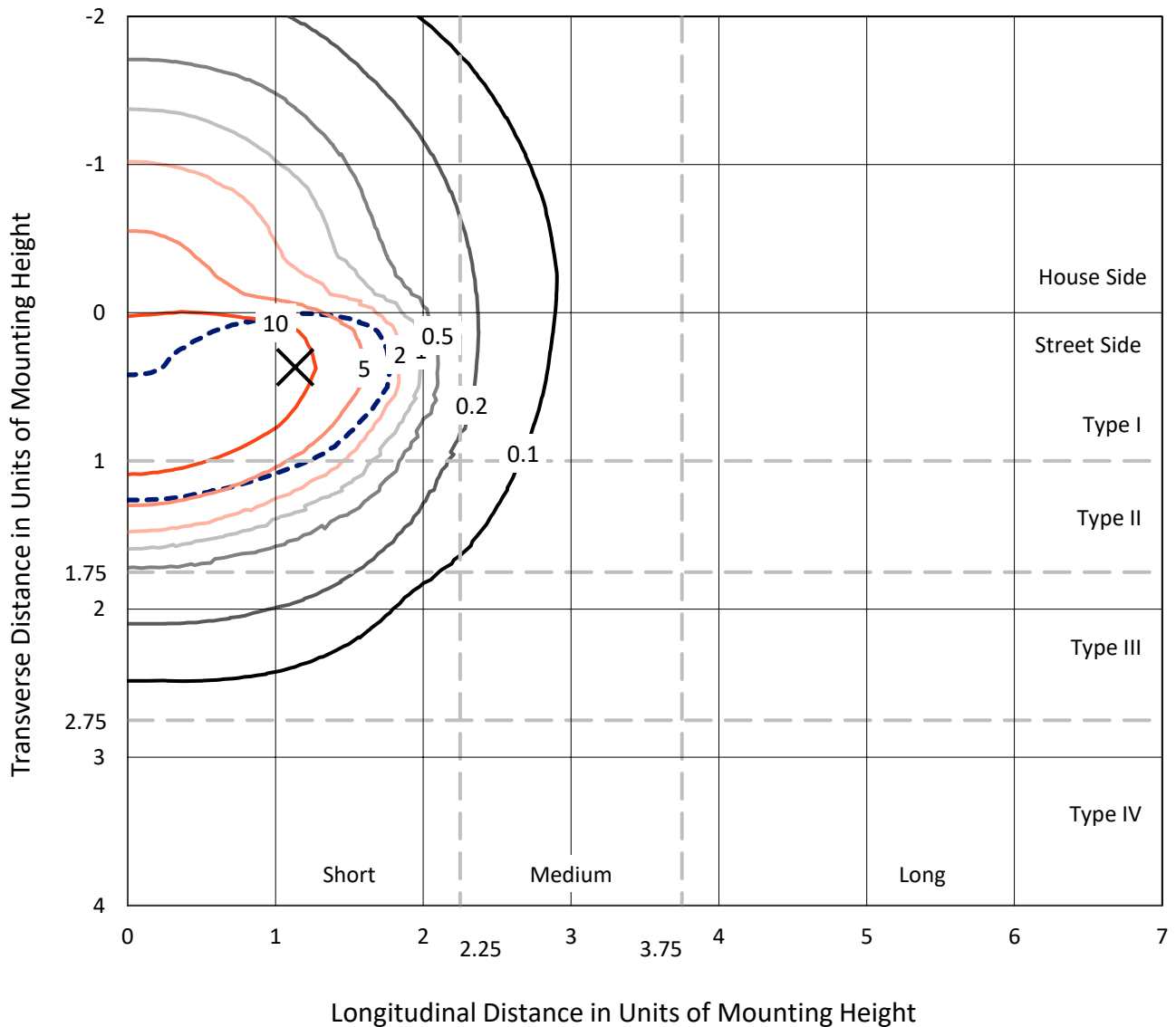
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

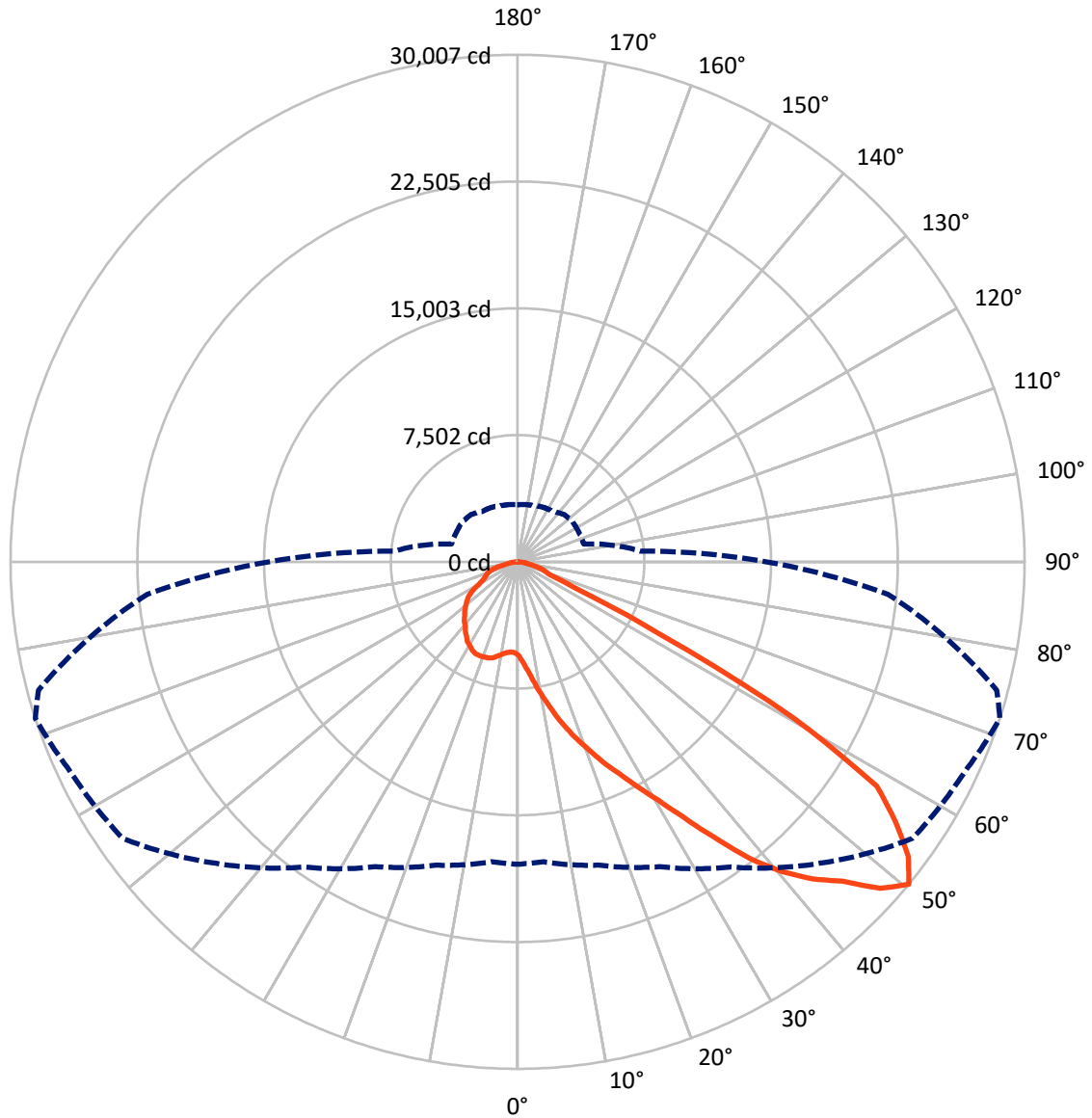
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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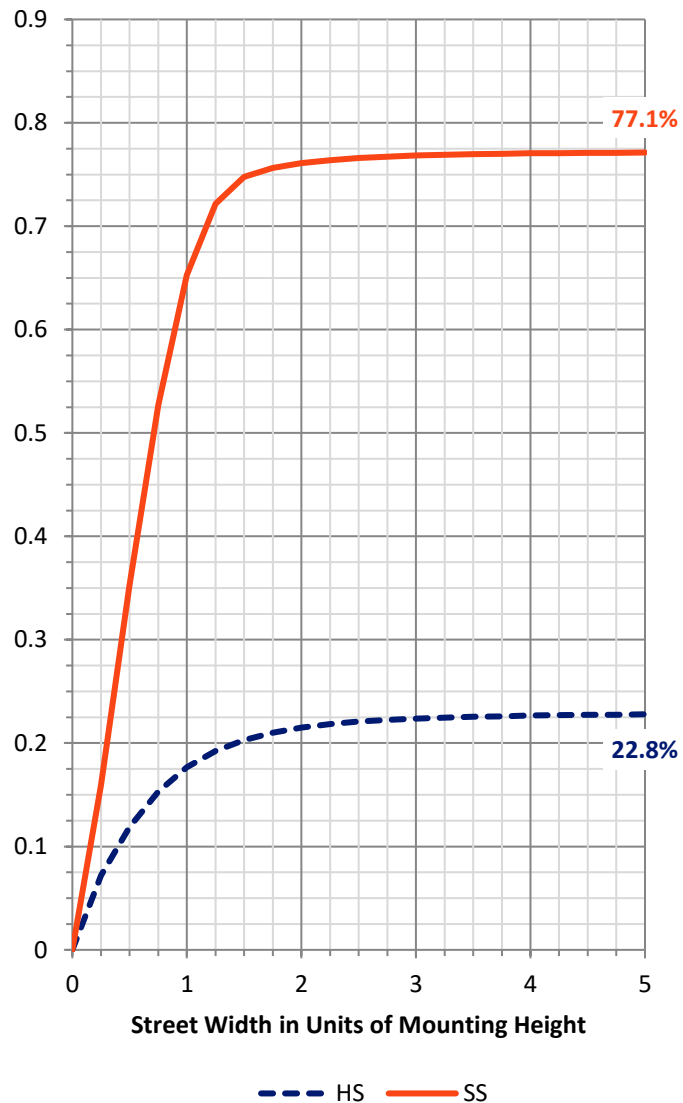
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9082.4	0.0	9082.4
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	30560.6	0.0	30560.6
	% Fixture	77.1	0.0	77.1
Total	Lumens	39643.0	0.0	39643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.1	1.6
10°-20°	2426.7	6.1
20°-30°	4705.2	11.9
30°-40°	7794.8	19.7
40°-50°	10906.6	27.5
50°-60°	9201.1	23.2
60°-70°	2804.5	7.1
70°-80°	983.9	2.5
80°-90°	171.0	0.4
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°	39643.0	100.0
0°-180°	39643.0	100.0

Coefficient of Utilization

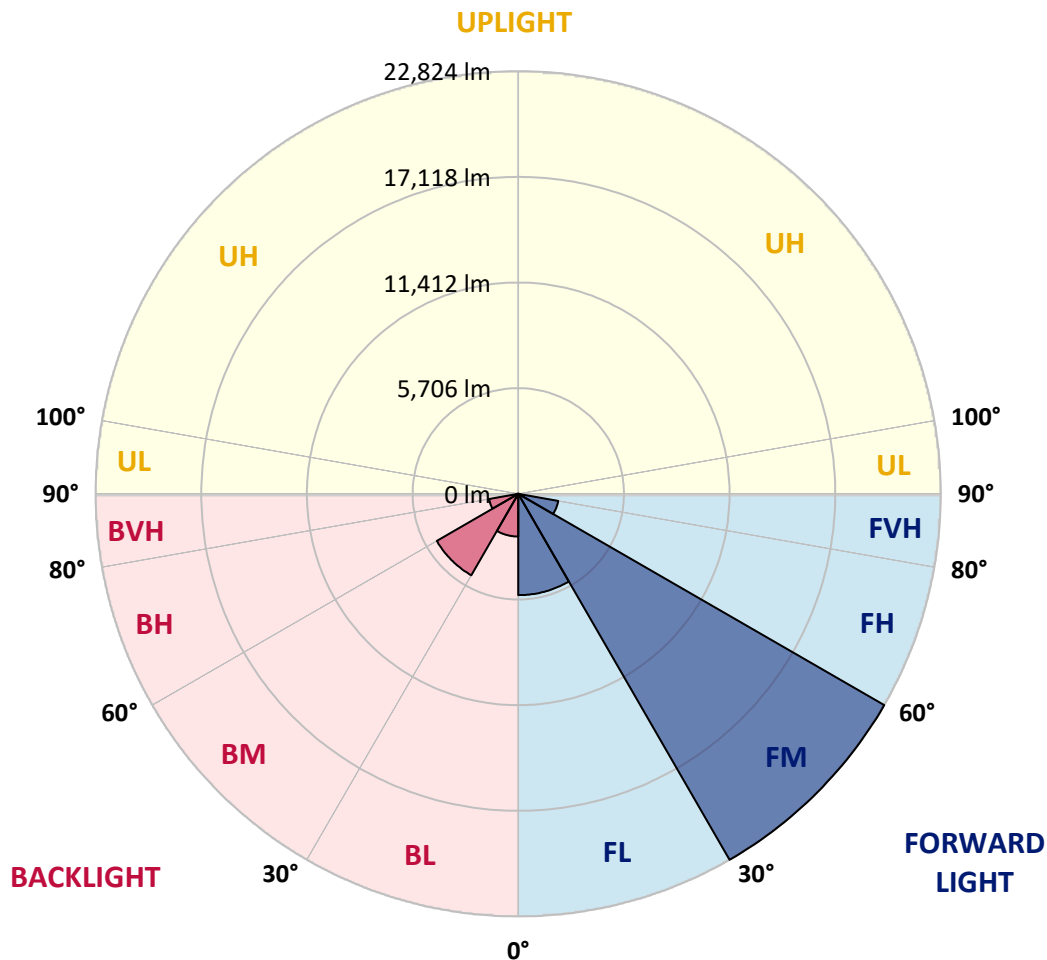


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5472.2	13.8			
FM (30°-60°)	22823.5	57.6			
FH (60°-80°)	2188.2	5.5			G2/5000
FVH (80°-90°)	76.6	0.2			G1/100
BL (0°-30°)	2308.8	5.8	B3/2500		
BM (30°-60°)	5079.0	12.8	B4/8500		
BH (60°-80°)	1600.2	4.0	B3/2500		G3/2500
BVH (80°-90°)	94.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	5518.6	5518.6	5518.6	5518.6	5518.6	5518.6	5518.6	5518.6	5518.6	5518.6	5518.6
2.5°	7098.2	7054.1	6921.6	6877.5	6720.5	6436.0	6337.9	6048.4	5925.8	5813.0	5680.5
5°	8977.0	8771.0	8756.2	8506.1	8143.1	7932.1	7304.2	6882.4	6494.8	6298.6	5935.6
7.5°	10173.9	10178.8	10178.8	9972.8	9683.4	9148.7	8584.6	7824.2	7240.5	6951.0	6333.0
10°	11312.0	11213.9	11159.9	11140.3	10944.1	10424.1	9820.7	8878.9	8079.3	7740.8	6632.2
12.5°	12116.5	12033.1	12155.7	12092.0	11949.7	11611.2	11042.2	9967.9	8967.2	8511.0	7112.9
15°	12499.1	12558.0	12656.1	12832.7	12768.9	12641.4	12013.5	11086.3	9923.7	9408.7	7539.7
17.5°	13087.8	12925.9	13043.6	13264.4	13441.0	13382.1	13024.0	11895.7	10870.5	10237.7	8113.6
20°	13499.8	13406.6	13465.5	13720.6	13853.0	14186.6	14000.2	12955.3	11778.0	11110.9	8790.6
22.5°	14677.1	14539.8	14348.5	14387.7	14436.8	14672.2	14716.4	14117.9	12832.7	12126.3	9433.2
25°	16129.2	16001.6	15776.0	15545.4	15403.1	15359.0	15511.1	15030.3	13843.2	13112.3	10124.9
27.5°	17728.3	17512.5	17370.2	16894.4	16511.8	16452.9	16379.3	16119.3	15040.1	14250.4	10904.8
30°	19283.4	19111.7	18920.4	18160.0	17762.7	17698.9	17335.9	17409.5	16340.1	15462.0	11787.8
32.5°	20460.7	20475.4	20038.8	19464.9	19092.1	18753.6	18621.1	18832.1	18007.9	17301.6	12773.8
35°	21412.3	21456.5	21039.5	20519.5	20117.3	20352.8	20293.9	20392.0	19999.6	19136.2	13921.7
37.5°	22339.5	22118.7	21672.3	21422.1	21211.2	21598.7	22099.1	22182.5	22256.1	21240.6	15256.0
40°	22491.5	22511.2	22251.2	22427.8	22162.9	22746.6	23909.2	23801.3	24100.5	23212.6	16703.1
42.5°	22275.7	22319.8	22422.9	22673.0	23310.8	24012.2	25739.0	25297.5	25660.5	24870.7	18111.0
45°	21922.5	21741.0	21868.5	22820.2	23923.9	25483.9	27411.7	27068.3	26950.6	26288.4	19788.6
47.5°	20235.0	20421.4	20818.8	21991.2	23649.2	25739.0	28598.8	28520.4	28873.5	28407.5	21314.2
50°	17895.1	17821.5	18586.8	19906.4	22045.1	25238.6	28535.1	29246.4	30006.7	29359.2	21996.1
52.5°	13401.7	13794.2	14451.5	16089.9	19141.1	22511.2	27141.9	28329.0	28947.1	28809.8	21446.7
55°	8471.7	8589.5	8986.8	10934.3	13681.3	18066.8	23266.6	26018.6	27122.3	27637.4	20941.4
57.5°	4115.7	3894.9	4380.6	5945.4	7902.7	12150.8	17944.2	22663.2	25062.0	25994.0	19842.6
60°	2148.6	2232.0	2423.3	2982.5	4086.2	6308.4	11184.5	15103.9	18768.3	20200.7	15040.1
62.5°	1780.7	1810.1	1937.7	2217.3	2717.6	3630.0	5710.0	7363.1	9570.6	10860.7	8555.1
65°	1510.9	1525.6	1663.0	1849.4	2168.2	2555.7	2938.4	3075.7	3723.2	3821.4	3041.4
67.5°	1260.7	1275.4	1422.6	1599.2	1805.2	1908.2	2006.3	1996.5	2070.1	2040.7	2035.8
70°	971.3	986.0	1138.1	1324.5	1427.5	1368.6	1672.8	1741.4	1770.9	1795.4	1834.6
72.5°	701.5	730.9	848.6	981.1	927.1	1064.5	1378.4	1481.4	1520.7	1535.4	1584.5
75°	510.2	520.0	549.4	510.2	588.7	740.7	971.3	1098.8	1147.9	1162.6	1236.2
77.5°	225.7	230.6	235.5	294.3	377.7	461.1	578.8	681.9	750.5	770.2	789.8
80°	117.7	122.6	152.1	201.1	269.8	338.5	421.9	480.7	524.9	529.8	549.4
82.5°	73.6	78.5	107.9	142.3	191.3	250.2	309.0	358.1	392.4	397.3	402.2
85°	34.3	44.1	63.8	88.3	127.5	161.9	166.8	142.3	152.1	157.0	147.2
87.5°	9.8	14.7	19.6	14.7	19.6	19.6	24.5	29.4	29.4	29.4	34.3
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°	5518.6	5518.6	5518.6	5518.6	5518.6	5518.6	5518.6	5518.6	5518.6	5518.6	5518.6
2.5°	5606.9	5562.8	5391.1	5327.3	5160.5	5190.0	5101.7	5096.8	5077.2	5072.2	5067.3
5°	5744.3	5606.9	5400.9	5243.9	5150.7	5140.9	5077.2	5077.2	5096.8	5111.5	5077.2
7.5°	5969.9	5813.0	5464.7	5317.5	5234.1	5219.4	5175.3	5140.9	5185.1	5170.4	5131.1
10°	6229.9	5955.2	5587.3	5459.8	5322.4	5288.1	5288.1	5302.8	5229.2	5253.7	5214.5
12.5°	6519.4	6151.4	5744.3	5597.1	5435.3	5415.6	5405.8	5297.9	5337.1	5317.5	5219.4
15°	6887.3	6377.1	5945.4	5695.2	5557.9	5469.6	5342.0	5322.4	5297.9	5248.8	5204.7
17.5°	7284.6	6622.4	6038.6	5724.7	5518.6	5454.9	5356.8	5253.7	5180.2	5190.0	5155.6
20°	7623.1	6848.0	6073.0	5754.1	5489.2	5366.6	5214.5	5150.7	5072.2	5067.3	5062.4
22.5°	8025.3	7152.2	6122.0	5675.6	5400.9	5273.4	5170.4	5057.5	5003.6	4934.9	4969.2
25°	8506.1	7269.9	6131.8	5631.5	5337.1	5111.5	5057.5	4934.9	4915.3	4817.2	4836.8
27.5°	8854.4	7333.7	6053.3	5494.1	5190.0	5018.3	4920.2	4831.9	4797.5	4724.0	4704.3
30°	9320.4	7431.8	5886.6	5322.4	5042.8	4851.5	4792.6	4773.0	4674.9	4596.4	4586.6
32.5°	9850.2	7495.5	5778.6	5145.8	4890.7	4743.6	4773.0	4679.8	4557.2	4488.5	4468.9
35°	10272.0	7520.1	5508.8	4944.7	4787.7	4694.5	4660.2	4640.6	4464.0	4400.2	4351.1
37.5°	10914.7	7466.1	5283.2	4802.4	4674.9	4640.6	4611.1	4478.7	4277.6	4184.4	4115.7
40°	11665.2	7451.4	4993.8	4601.3	4567.0	4606.2	4517.9	4311.9	4032.3	3929.3	3880.2
42.5°	12386.3	7554.4	4812.3	4493.4	4449.3	4464.0	4341.3	4032.3	3894.9	3836.1	3757.6
45°	13593.0	7770.3	4513.0	4326.6	4307.0	4297.2	4150.0	3826.3	3747.8	3674.2	3659.5
47.5°	14682.0	7628.0	4321.7	4154.9	4174.5	4120.6	3806.6	3703.6	3615.3	3541.7	3517.2
50°	14745.8	7289.5	4051.9	4022.5	4027.4	3934.2	3634.9	3566.3	3453.4	3404.4	3370.1
52.5°	14412.2	6735.2	3801.7	3811.5	3826.3	3674.2	3424.0	3375.0	3281.8	3213.1	3193.5
55°	13475.3	5871.8	3556.5	3595.7	3634.9	3345.5	3267.0	3144.4	3070.8	2972.7	2977.6
57.5°	11871.2	4728.9	3213.1	3276.8	3360.2	3041.4	2982.5	2830.5	2722.5	2644.0	2634.2
60°	7956.7	3365.1	2698.0	2722.5	2908.9	2781.4	2776.5	2624.4	2477.3	2408.6	2369.3
62.5°	4694.5	2570.5	2330.1	2305.6	2300.7	2374.2	2496.9	2442.9	2251.6	2119.2	2158.4
65°	2457.6	2222.2	2168.2	2084.8	2035.8	2016.1	2109.3	2133.9	2006.3	1864.1	1854.3
67.5°	2065.2	2065.2	2021.0	1991.6	1922.9	1839.5	1780.7	1702.2	1682.6	1643.3	1594.3
70°	1878.8	1927.8	1913.1	1844.5	1785.6	1692.4	1540.3	1412.8	1290.1	1246.0	1275.4
72.5°	1638.4	1687.5	1687.5	1653.1	1574.7	1432.4	1285.2	1138.1	1035.1	956.6	946.8
75°	1260.7	1285.2	1344.1	1304.9	1201.8	1113.5	961.5	809.4	711.3	637.7	623.0
77.5°	804.5	843.7	843.7	838.8	765.3	681.9	583.7	475.8	402.2	348.3	333.6
80°	534.7	559.2	578.8	559.2	510.2	446.4	372.8	299.2	245.3	201.1	191.3
82.5°	392.4	421.9	436.6	417.0	367.9	318.9	264.9	210.9	157.0	122.6	112.8
85°	152.1	157.0	176.6	210.9	206.0	201.1	161.9	117.7	88.3	63.8	58.9
87.5°	39.2	34.3	39.2	39.2	34.3	29.4	29.4	29.4	29.4	14.7	19.6
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)