

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: McGRAW-EDISON

Report Number: P528426

Luminaire Tested: **GALN-SA3C-730-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-730-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16296 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

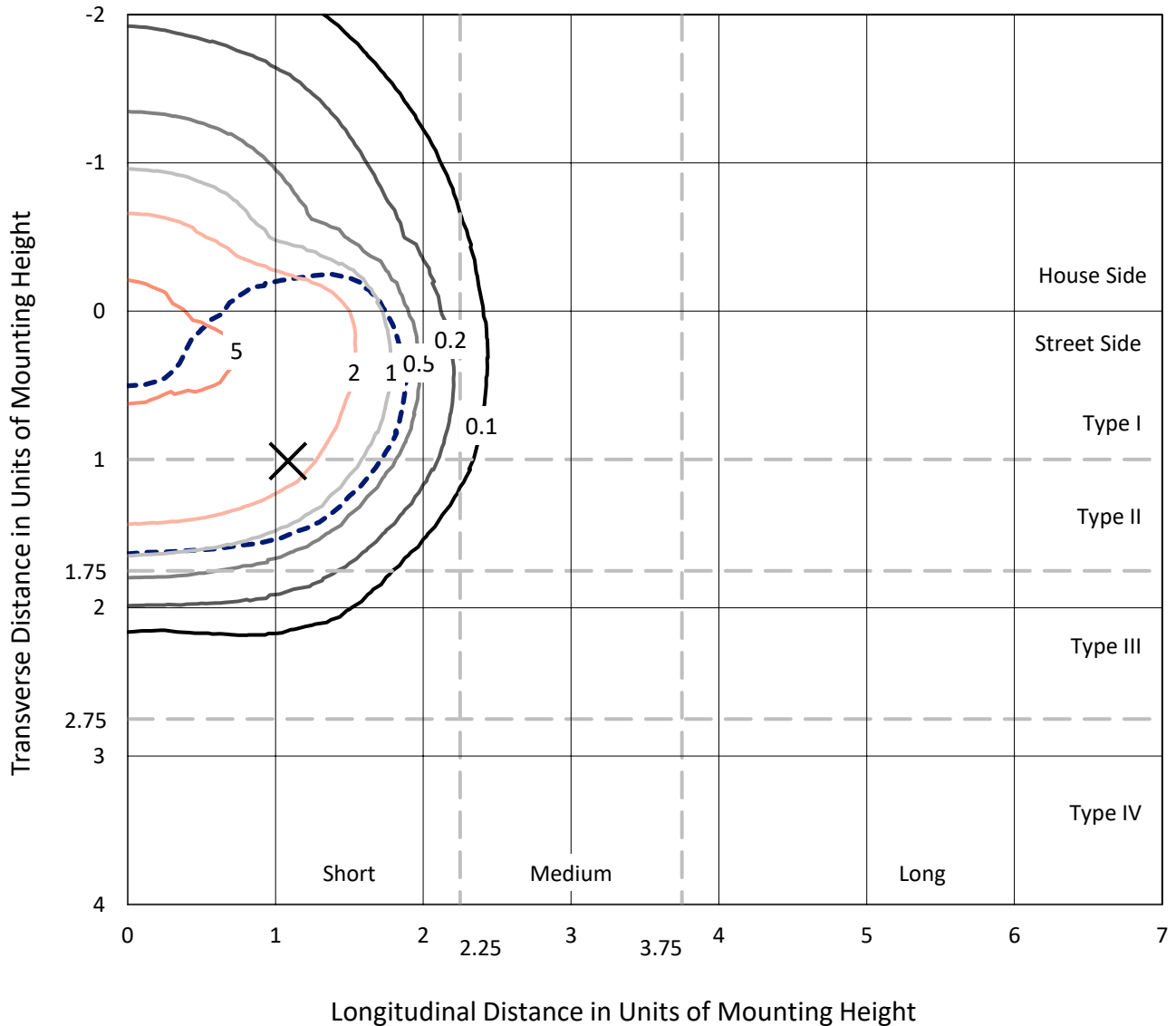
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

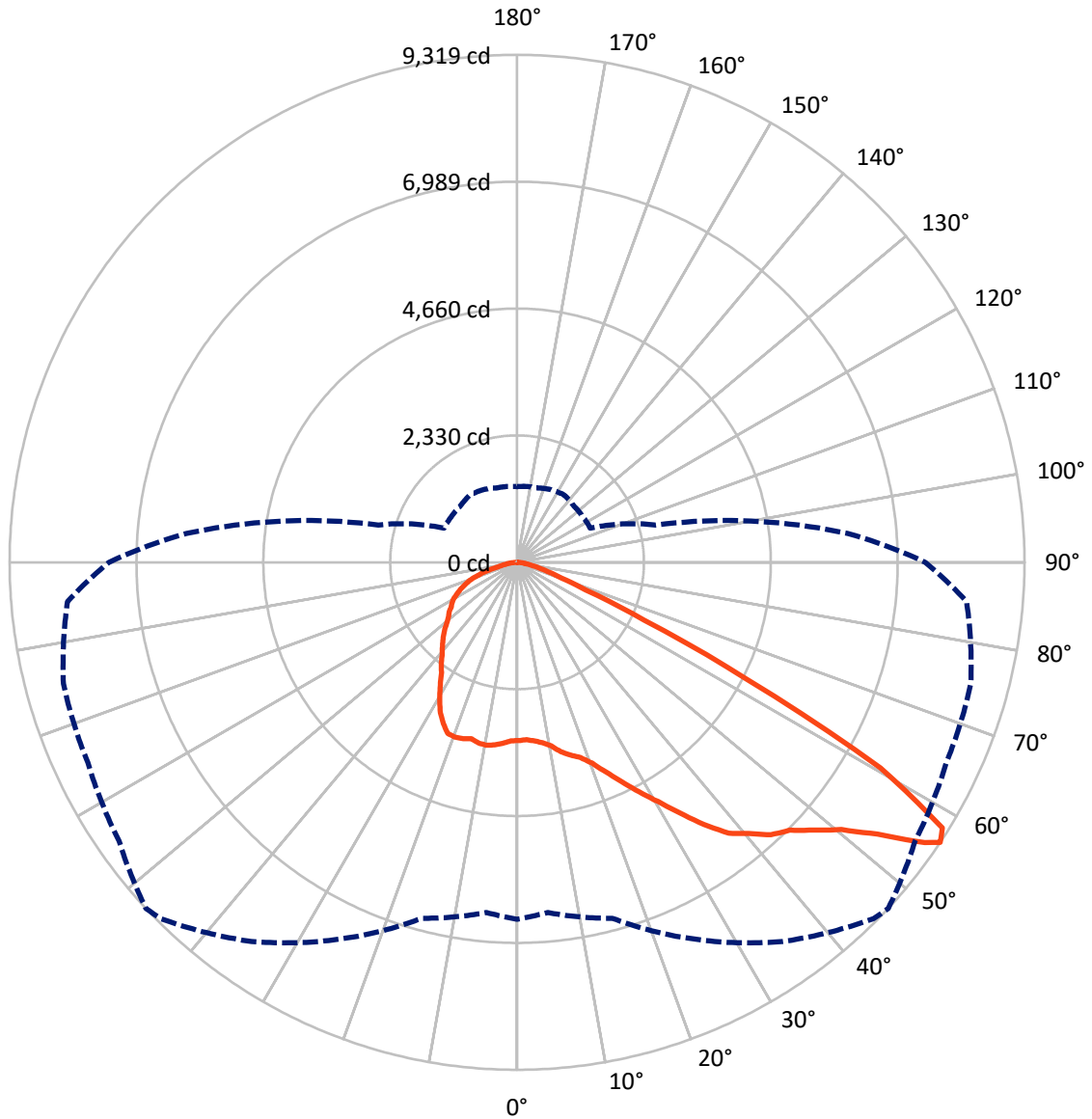
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Short - N/A

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CATALOG NUMBER: GALN-SA3C-730-U-T3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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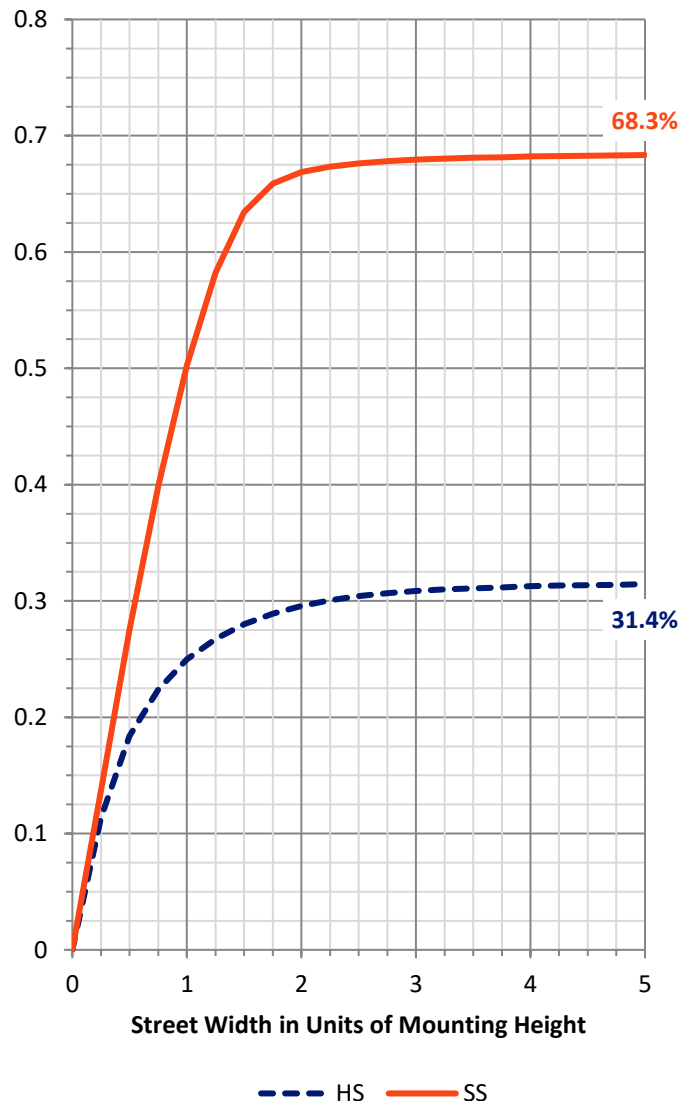
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5164.0	0.0	5164.0
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	11132.0	0.0	11132.0
	% Fixture	68.3	0.0	68.3
Total	Lumens	16296.0	0.0	16296.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.0	2.0
10°-20°	1006.1	6.2
20°-30°	1778.6	10.9
30°-40°	2671.3	16.4
40°-50°	3666.2	22.5
50°-60°	4367.8	26.8
60°-70°	1869.1	11.5
70°-80°	529.0	3.2
80°-90°	89.0	0.5
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°	16296.0	100.0
0°-180°	16296.0	100.0

Coefficient of Utilization

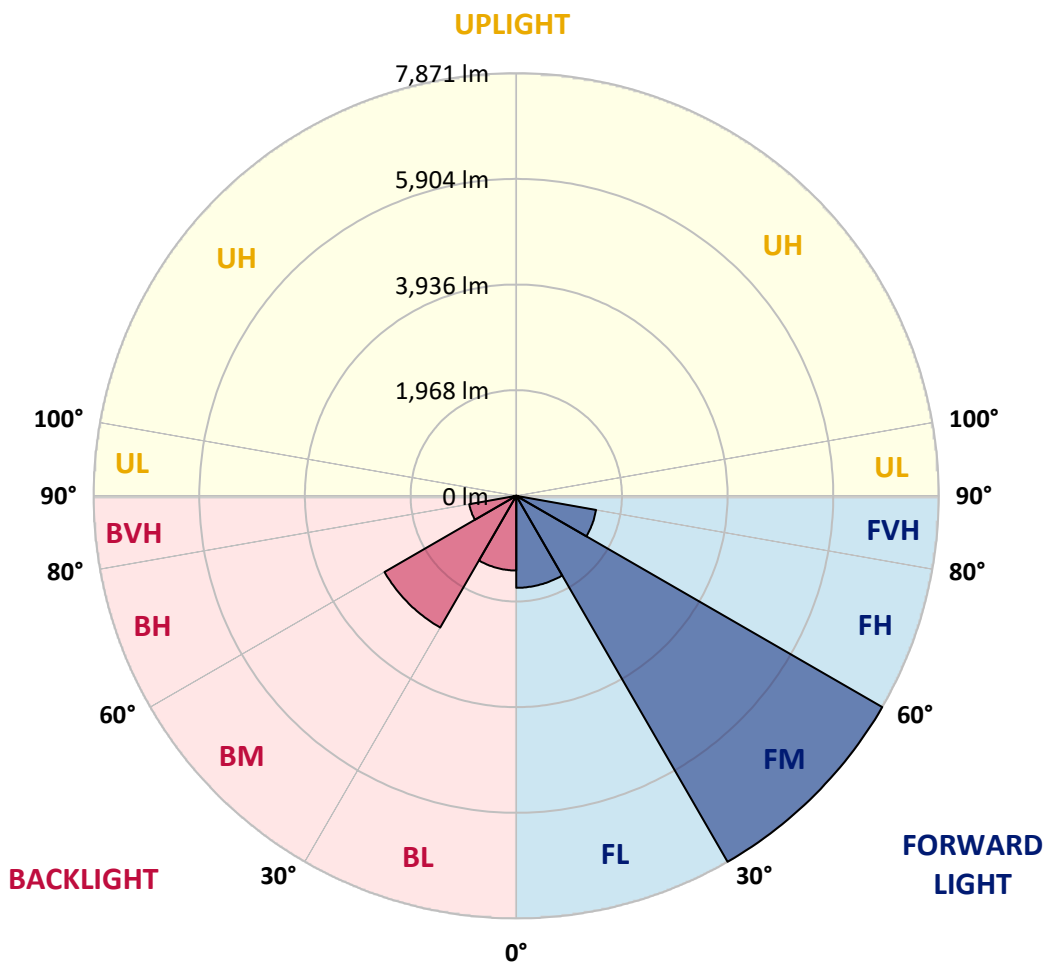


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1713.3	10.5			
FM (30°-60°)	7871.3	48.3			
FH (60°-80°)	1509.6	9.3			G1/1800
FVH (80°-90°)	37.8	0.2			G1/100
BL (0°-30°)	1390.4	8.5	B3/2500		
BM (30°-60°)	2833.9	17.4	B3/5000		
BH (60°-80°)	888.5	5.5	B2/1000		G2/1000
BVH (80°-90°)	51.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4
2.5°	3260.9	3254.7	3250.5	3283.8	3271.3	3273.4	3260.9	3273.4	3281.7	3263.0	3290.0
5°	3254.7	3273.4	3256.7	3267.1	3294.2	3285.8	3294.2	3319.1	3312.9	3306.6	3298.3
7.5°	3312.9	3314.9	3327.4	3331.6	3339.9	3331.6	3344.0	3366.9	3360.7	3325.3	3329.5
10°	3396.0	3400.1	3402.2	3425.1	3439.6	3441.7	3427.2	3406.4	3404.3	3452.1	3418.9
12.5°	3491.6	3481.2	3506.1	3514.5	3531.1	3549.8	3568.5	3524.8	3551.9	3553.9	3514.5
15°	3630.8	3641.2	3612.1	3612.1	3618.4	3620.5	3672.4	3651.6	3647.5	3624.6	3641.2
17.5°	3838.7	3768.0	3765.9	3736.8	3732.7	3749.3	3768.0	3784.6	3840.8	3795.0	3705.7
20°	3990.4	4007.0	3946.8	3911.4	3917.7	3955.1	3936.4	4011.2	4050.7	3975.8	3888.6
22.5°	4258.5	4202.4	4216.9	4138.0	4144.2	4183.7	4181.6	4258.5	4281.4	4162.9	4036.1
25°	4439.3	4424.8	4437.2	4374.9	4383.2	4414.4	4464.3	4591.0	4553.6	4422.7	4129.6
27.5°	4703.3	4674.2	4663.8	4640.9	4632.6	4715.7	4773.9	4909.0	4882.0	4690.8	4295.9
30°	4973.4	4954.7	4965.1	4871.6	4904.9	5081.5	5098.1	5283.1	5270.6	4934.0	4480.9
32.5°	5160.5	5170.9	5189.6	5137.6	5285.2	5426.5	5482.6	5692.5	5702.9	5351.7	4838.4
35°	5461.9	5426.5	5436.9	5497.2	5565.8	5823.5	5914.9	6054.2	6141.5	5790.2	5181.3
37.5°	5651.0	5688.4	5644.7	5740.4	5919.1	6228.8	6311.9	6455.3	6546.7	6222.5	5648.9
40°	5946.1	5885.8	5917.0	5985.6	6168.5	6571.7	6548.8	6696.4	6725.5	6590.4	6085.4
42.5°	6264.1	6235.0	6191.3	6347.2	6501.0	6794.1	6839.8	6771.2	6918.8	6949.9	6708.9
45°	6644.4	6679.8	6686.0	6690.1	6825.2	7080.9	7018.5	6958.3	7128.7	7355.2	7095.4
47.5°	6997.7	6885.5	6966.6	7078.8	7270.0	7272.1	7344.8	7201.4	7382.2	7583.8	7444.6
50°	7116.2	7062.2	7170.2	7382.2	7677.4	7708.5	7716.8	7513.2	7606.7	7766.7	7565.1
52.5°	7070.5	7051.8	7328.2	7656.6	8088.9	8246.8	8288.4	8036.9	8088.9	8016.1	7831.2
55°	6852.3	6908.4	7186.9	7856.1	8519.1	9007.5	9086.5	8768.5	8438.0	8494.1	8290.5
56°	6553.0	6455.3	6767.0	7629.6	8500.4	9254.8	9319.2	8922.3	8697.8	8625.1	8286.3
57.5°	5559.5	5432.8	5842.2	6864.7	8028.6	9161.3	9209.1	8986.7	8654.2	8506.6	7681.5
60°	3254.7	3317.0	3836.6	4734.4	6193.4	7511.1	7671.1	7833.2	7610.8	6949.9	5717.5
62.5°	1571.2	1531.7	1903.8	2714.3	3774.2	4794.7	4746.9	5202.1	5451.5	4938.1	3610.1
65°	823.0	818.9	1039.2	1481.8	2074.2	2518.9	2562.6	2807.8	3150.7	2543.9	1833.1
67.5°	604.8	621.4	731.6	1041.2	1334.3	1361.3	1355.1	1477.7	1510.9	1278.2	1126.5
70°	473.9	482.2	563.2	791.8	993.4	889.5	870.8	885.4	983.1	1024.6	974.7
72.5°	342.9	351.2	419.8	534.1	621.4	606.9	619.3	700.4	820.9	864.6	812.6
75°	228.6	234.9	272.3	326.3	367.9	397.0	419.8	513.3	625.6	650.5	625.6
77.5°	158.0	164.2	189.1	230.7	234.9	253.6	261.9	305.5	374.1	405.3	388.6
80°	89.4	89.4	101.8	118.5	145.5	170.4	174.6	209.9	241.1	261.9	266.0
82.5°	41.6	43.6	54.0	72.7	95.6	118.5	122.6	145.5	168.3	189.1	195.4
85°	20.8	22.9	31.2	43.6	58.2	70.7	68.6	70.7	74.8	70.7	72.7
87.5°	6.2	6.2	8.3	10.4	8.3	10.4	10.4	12.5	14.5	16.6	18.7
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°	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4
2.5°	3292.1	3298.3	3256.7	3296.2	3281.7	3279.6	3308.7	3304.5	3314.9	3310.8	3285.8
5°	3294.2	3279.6	3323.3	3283.8	3302.5	3342.0	3314.9	3377.3	3346.1	3366.9	3321.2
7.5°	3358.6	3362.7	3354.4	3371.1	3362.7	3381.4	3366.9	3381.4	3356.5	3358.6	3400.1
10°	3414.7	3402.2	3416.8	3396.0	3410.5	3404.3	3371.1	3360.7	3369.0	3358.6	3385.6
12.5°	3518.6	3495.8	3485.4	3460.4	3443.8	3381.4	3329.5	3300.4	3339.9	3346.1	3333.6
15°	3624.6	3626.7	3578.9	3522.8	3418.9	3325.3	3337.8	3348.2	3348.2	3364.8	3333.6
17.5°	3691.1	3691.1	3647.5	3535.2	3429.2	3375.2	3362.7	3329.5	3300.4	3296.2	3294.2
20°	3807.5	3772.2	3672.4	3533.2	3425.1	3400.1	3306.6	3227.6	3167.4	3146.6	3144.5
22.5°	3940.5	3851.1	3711.9	3537.3	3418.9	3383.5	3208.9	3090.5	2982.4	2936.7	2942.9
25°	4063.1	3919.7	3734.8	3518.6	3396.0	3225.6	3030.2	2866.0	2753.8	2716.4	2697.7
27.5°	4148.3	3992.5	3734.8	3535.2	3310.8	3048.9	2849.4	2639.5	2541.8	2516.9	2521.0
30°	4262.7	4083.9	3799.2	3499.9	3140.4	2820.3	2581.3	2444.1	2385.9	2365.1	2379.7
32.5°	4530.8	4322.9	3888.6	3414.7	2938.8	2591.7	2398.4	2321.5	2236.3	2194.7	2180.2
35°	4821.7	4549.5	3975.8	3271.3	2712.2	2383.8	2263.3	2192.6	2090.8	2045.1	2053.4
37.5°	5233.2	4840.4	3982.1	3034.4	2467.0	2267.5	2157.3	2047.2	1964.0	1893.4	1872.6
40°	5788.2	5237.4	3967.5	2785.0	2269.5	2130.3	2049.2	1912.1	1818.5	1768.7	1779.1
42.5°	6276.6	5702.9	3907.3	2502.3	2090.8	2036.8	1945.3	1810.2	1718.8	1666.8	1662.7
45°	6688.1	6045.9	3793.0	2261.2	1941.2	1932.8	1826.9	1722.9	1650.2	1602.4	1623.2
47.5°	7068.4	6322.3	3620.5	2020.1	1804.0	1820.6	1718.8	1654.4	1608.6	1565.0	1562.9
50°	7205.6	6318.1	3468.7	1820.6	1693.8	1685.5	1681.4	1612.8	1565.0	1527.6	1544.2
52.5°	7434.2	6388.8	3304.5	1683.4	1594.1	1596.2	1610.7	1560.8	1506.8	1483.9	1504.7
55°	7762.6	6399.2	2942.9	1523.4	1510.9	1525.5	1525.5	1492.2	1446.5	1427.8	1417.4
56°	7494.5	6089.5	2639.5	1481.8	1469.4	1469.4	1508.9	1471.5	1415.3	1400.8	1388.3
57.5°	6912.5	5335.1	2209.3	1432.0	1413.3	1442.4	1463.1	1423.7	1371.7	1350.9	1363.4
60°	4767.7	3610.1	1660.6	1323.9	1323.9	1371.7	1388.3	1330.1	1307.3	1305.2	1288.6
62.5°	2782.9	2103.3	1299.0	1226.2	1230.4	1269.9	1282.3	1249.1	1220.0	1255.3	1271.9
65°	1475.6	1255.3	1114.0	1122.3	1124.4	1155.6	1209.6	1207.5	1205.4	1215.8	1217.9
67.5°	1068.3	1043.3	1012.1	1003.8	1008.0	1030.9	1084.9	1126.5	1124.4	1099.4	1080.7
70°	951.9	916.5	897.8	899.9	883.3	910.3	954.0	981.0	933.2	904.1	891.6
72.5°	791.8	781.5	769.0	771.1	737.8	731.6	681.7	681.7	669.2	660.9	675.5
75°	604.8	600.6	606.9	596.5	561.1	523.7	494.6	467.6	426.1	409.4	401.1
77.5°	382.4	394.9	409.4	386.6	372.0	345.0	315.9	288.9	255.6	236.9	236.9
80°	259.8	270.2	280.6	276.4	259.8	234.9	212.0	182.9	160.0	145.5	143.4
82.5°	197.4	205.8	220.3	203.7	187.0	166.3	147.6	126.8	106.0	89.4	89.4
85°	70.7	81.1	89.4	97.7	103.9	106.0	91.4	74.8	60.3	47.8	45.7
87.5°	18.7	20.8	22.9	20.8	20.8	20.8	22.9	20.8	18.7	14.5	14.5
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)