

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: P532633

Luminaire Tested: **GALN-SA8A-730-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-730-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19839 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

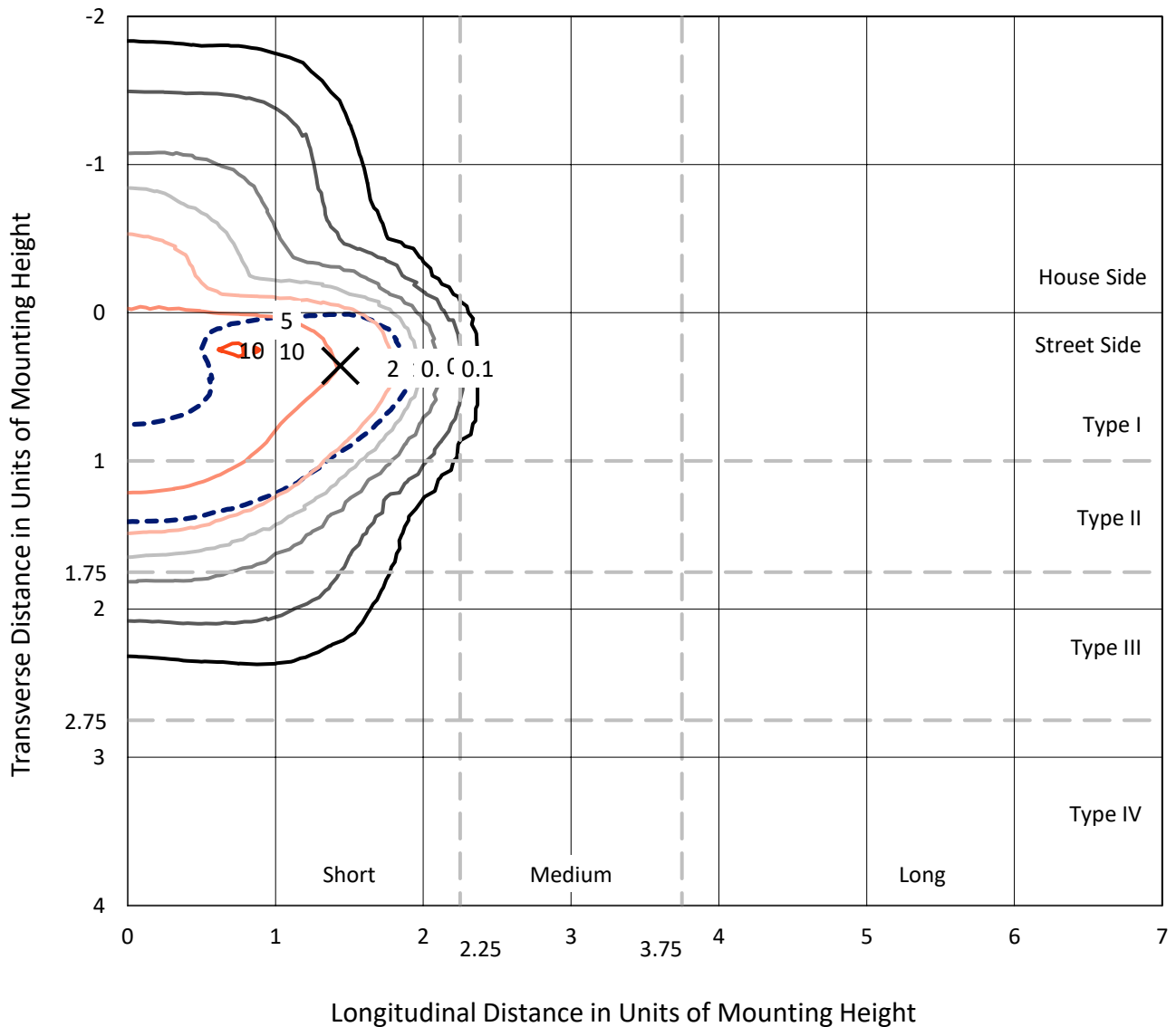
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532633
 CATALOG NUMBER: GALN-SA8A-730-U-T2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

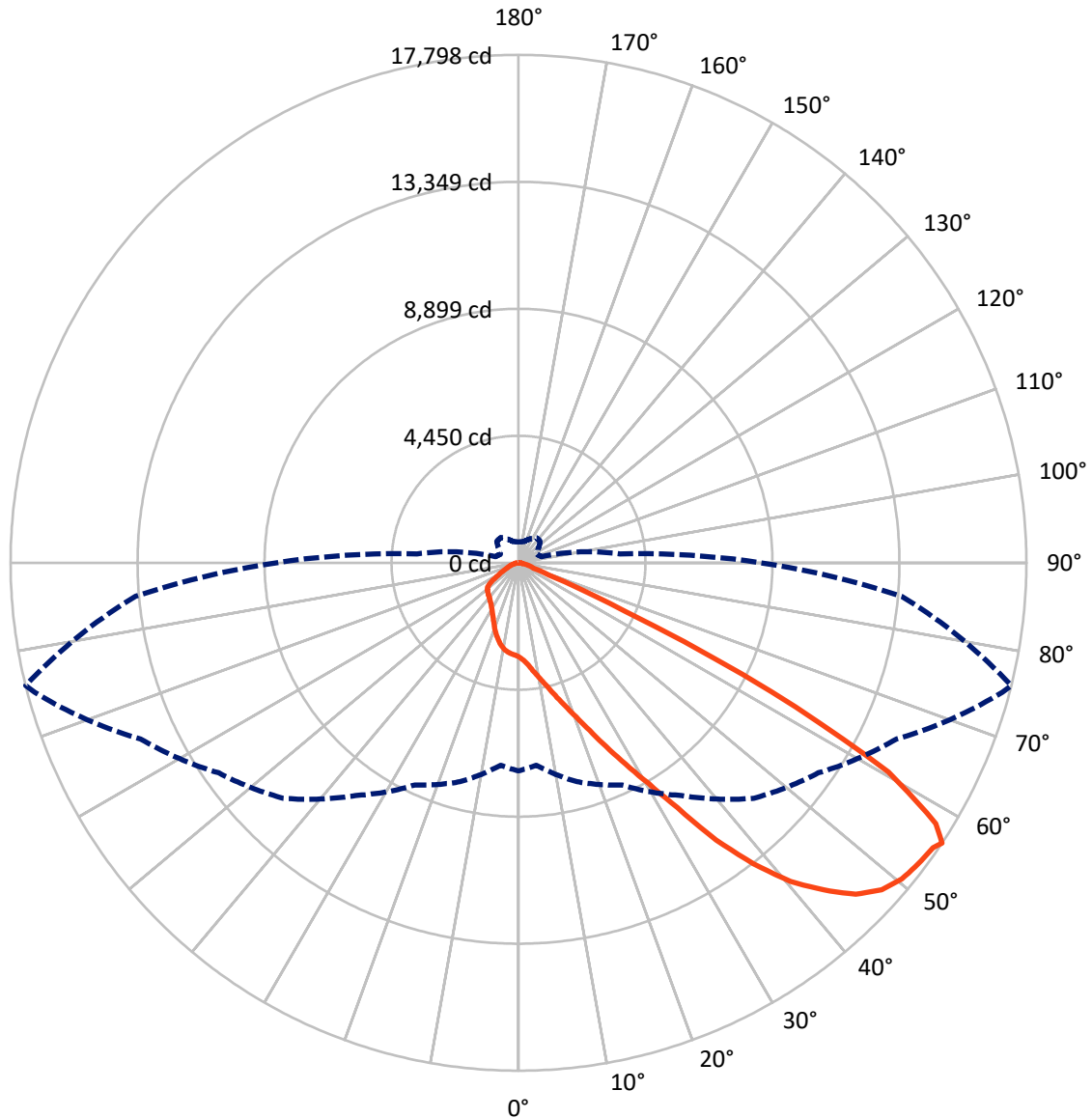
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
 Type II - Short - N/A

REPORT NUMBER: P532633
CATALOG NUMBER: GALN-SA8A-730-U-T2-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P532633
 CATALOG NUMBER: GALN-SA8A-730-U-T2-GRSBK

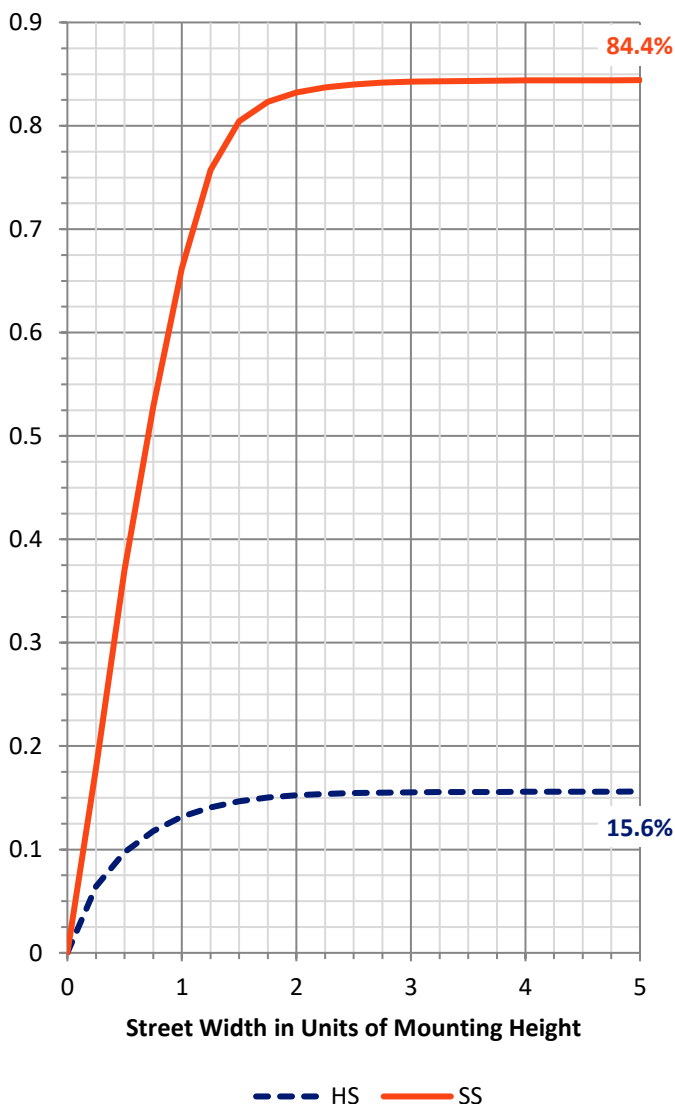
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3116.6	0.0	3116.6
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	16722.4	0.0	16722.4
	% Fixture	84.3	0.0	84.3
Total	Lumens	19839.0	0.0	19839.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.7	1.7
10°-20°	1068.7	5.4
20°-30°	1937.8	9.8
30°-40°	3341.9	16.8
40°-50°	5429.0	27.4
50°-60°	5722.3	28.8
60°-70°	1748.4	8.8
70°-80°	224.1	1.1
80°-90°	34.1	0.2
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°	19839.0	100.0
0°-180°	19839.0	100.0

Coefficient of Utilization

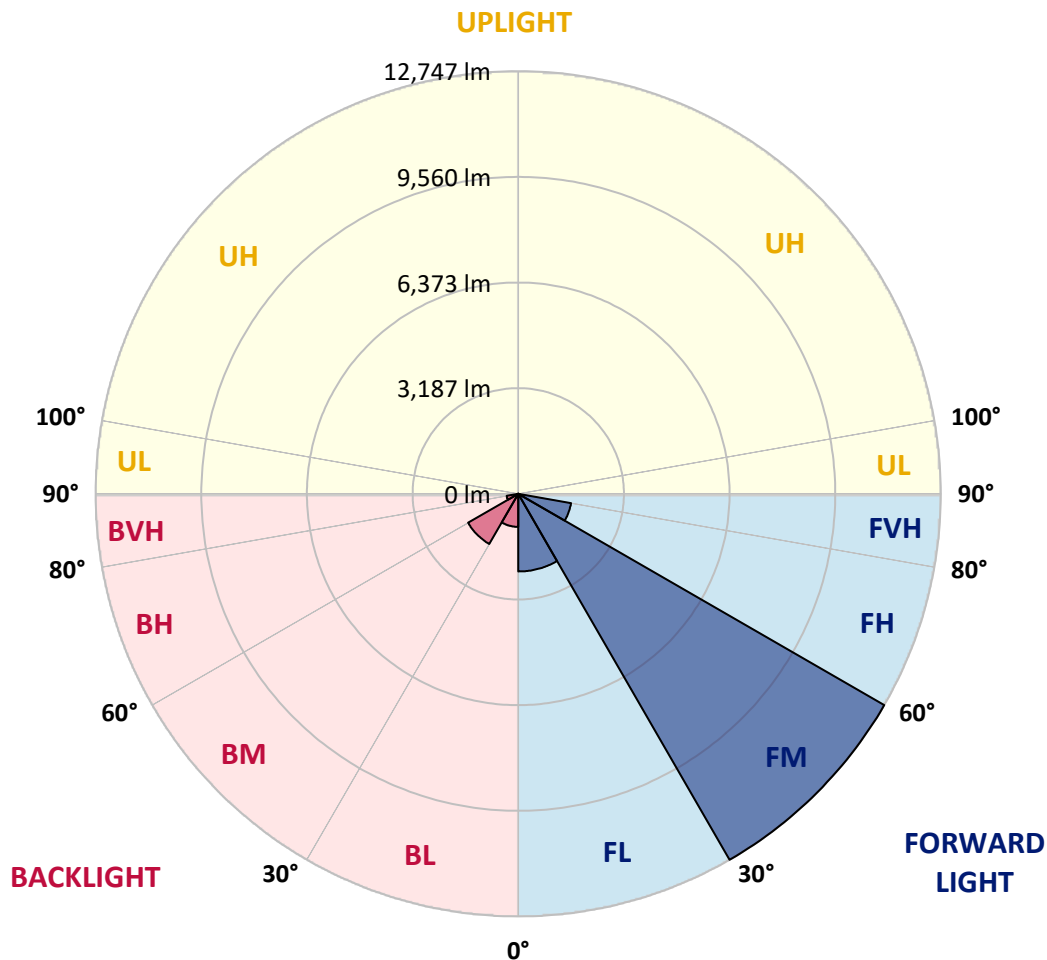


REPORT NUMBER: P532633
 CATALOG NUMBER: GALN-SA8A-730-U-T2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2342.2	11.8			
FM (30°-60°)	12746.5	64.2			
FH (60°-80°)	1617.0	8.2			G1/1800
FVH (80°-90°)	16.7	0.1			G1/100
BL (0°-30°)	997.0	5.0	B2/1000		
BM (30°-60°)	1746.7	8.8	B2/2500		
BH (60°-80°)	355.6	1.8	B1/500		G1/500
BVH (80°-90°)	17.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P532633

CATALOG NUMBER: GALN-SA8A-730-U-T2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2
2.5°	3803.2	3715.5	3719.1	3711.8	3700.8	3660.6	3539.9	3521.6	3441.2	3419.3	3346.1
5°	4260.4	4183.6	4227.4	4161.6	4099.4	4062.9	3865.4	3774.0	3646.0	3598.4	3496.1
7.5°	4545.6	4509.0	4494.4	4498.1	4439.5	4348.1	4260.4	4059.2	3887.3	3850.8	3635.0
10°	4684.6	4662.6	4684.6	4673.6	4699.2	4710.2	4556.6	4435.9	4183.6	4121.4	3784.9
12.5°	4717.5	4761.4	4779.6	4827.2	4889.4	4995.4	4984.4	4819.9	4483.4	4443.2	4015.3
15°	4797.9	4834.5	4816.2	4893.0	5010.0	5189.2	5284.3	5258.7	4896.7	4823.5	4282.3
17.5°	4871.1	4805.2	4867.4	5021.0	5138.0	5412.3	5642.7	5748.7	5346.5	5262.4	4527.3
20°	4969.8	4951.5	4940.5	5017.3	5225.8	5591.5	6048.6	6242.4	5851.1	5763.4	4878.4
22.5°	5269.7	5273.3	5266.0	5152.7	5302.6	5715.8	6403.3	6882.4	6454.5	6381.4	5277.0
25°	5664.6	5617.1	5580.5	5489.1	5470.8	5829.2	6761.7	7665.0	7178.6	7127.4	5708.5
27.5°	6081.5	6081.5	5971.8	5887.7	5770.7	6110.8	7090.8	8425.6	8052.6	7983.1	6085.2
30°	6535.0	6560.6	6546.0	6366.8	6293.6	6418.0	7427.3	9398.4	9054.6	8966.9	6706.9
32.5°	7204.2	7149.3	7211.5	7061.6	6845.8	6955.5	7957.5	10268.7	10356.5	10232.2	7522.4
35°	8089.2	8056.3	8016.0	7771.0	7515.0	7602.8	8707.2	11340.2	11991.2	11929.0	8345.2
37.5°	8882.7	8864.5	8831.5	8663.3	8367.1	8473.2	9559.3	12455.6	13585.6	13380.8	9508.1
40°	9716.5	9815.3	9709.2	9559.3	9288.7	9522.7	10561.3	13117.5	14927.7	14679.0	10396.7
42.5°	10846.5	10769.7	10817.3	10543.0	10396.7	10652.7	11567.0	13779.4	15969.9	15673.7	11340.2
45°	12049.7	12053.3	11925.3	11837.6	11457.2	11735.2	12185.0	14145.1	16800.1	16569.7	12053.3
47.5°	12821.3	12817.6	12956.6	13095.6	12704.3	12430.0	12605.5	14492.5	17227.9	17121.9	12313.0
50°	12700.6	12737.2	12916.4	13435.7	13640.4	13271.1	13000.5	14390.1	17421.7	17410.8	12536.0
52.5°	11047.7	11168.3	11468.2	12217.9	13249.2	13706.3	13413.7	14580.3	17516.8	17535.1	12868.8
55°	8411.0	8476.8	9047.3	9957.9	11098.9	12664.0	13249.2	14730.2	17590.0	17622.9	13271.1
56°	7295.6	7120.1	7942.9	8590.2	9954.2	11665.7	12832.3	14613.2	17546.1	17798.4	13472.2
57.5°	5507.4	5390.4	6055.9	6864.1	8177.0	9983.5	11537.7	14061.0	17249.9	17246.2	13183.3
60°	3349.8	3232.7	3744.7	4220.1	4955.2	6147.3	7796.6	11197.6	14583.9	14891.1	10674.7
62.5°	1993.0	2066.2	2570.8	2859.7	3097.4	3221.8	4033.6	6655.7	9731.2	9950.6	6622.7
65°	1327.5	1353.1	1733.4	2208.8	2314.9	1843.1	1642.0	2695.2	4220.1	4084.8	2731.7
67.5°	819.2	877.7	1162.9	1660.3	1839.4	1345.8	778.9	1005.7	1162.9	1162.9	789.9
70°	497.3	526.6	775.3	1130.0	1261.6	866.7	566.8	566.8	559.5	548.5	471.7
72.5°	237.7	256.0	395.0	581.5	592.4	457.1	438.8	479.1	468.1	464.4	391.3
75°	102.4	109.7	139.0	182.8	208.4	193.8	267.0	343.8	354.7	343.8	281.6
77.5°	32.9	36.6	51.2	65.8	69.5	84.1	113.4	142.6	164.6	153.6	139.0
80°	3.7	7.3	14.6	32.9	51.2	65.8	84.1	95.1	106.1	106.1	98.7
82.5°	3.7	3.7	14.6	29.3	47.5	62.2	80.5	91.4	106.1	109.7	102.4
85°	0.0	3.7	11.0	25.6	40.2	40.2	36.6	36.6	25.6	25.6	25.6
87.5°	0.0	0.0	3.7	3.7	3.7	7.3	7.3	7.3	7.3	7.3	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P532633

CATALOG NUMBER: GALN-SA8A-730-U-T2-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2
2.5°	3331.5	3324.2	3225.4	3163.3	3130.4	3064.5	3024.3	2995.0	2973.1	2947.5	2951.2
5°	3375.4	3349.8	3185.2	3071.8	2936.5	2863.4	2801.2	2750.0	2717.1	2709.8	2695.2
7.5°	3499.7	3364.4	3115.7	2910.9	2739.1	2665.9	2611.1	2578.2	2592.8	2559.9	2585.5
10°	3594.8	3393.7	3031.6	2735.4	2563.5	2508.7	2479.4	2505.0	2541.6	2527.0	2508.7
12.5°	3711.8	3422.9	2896.3	2567.2	2406.3	2366.1	2417.2	2464.8	2537.9	2567.2	2530.6
15°	3843.5	3455.8	2724.4	2373.4	2271.0	2303.9	2391.6	2475.8	2548.9	2585.5	2607.4
17.5°	4004.4	3444.9	2556.2	2219.8	2143.0	2238.1	2344.1	2420.9	2530.6	2585.5	2570.8
20°	4154.3	3408.3	2369.7	2066.2	2069.8	2157.6	2245.4	2369.7	2428.2	2501.4	2475.8
22.5°	4296.9	3342.5	2175.9	1960.1	1960.1	2095.4	2139.3	2219.8	2271.0	2307.5	2303.9
25°	4498.1	3218.1	2015.0	1857.7	1901.6	1989.4	2026.0	2051.6	2029.6	2058.9	2062.5
27.5°	4640.7	3090.1	1883.3	1766.3	1846.8	1912.6	1901.6	1887.0	1835.8	1795.6	1821.2
30°	4794.3	2940.2	1770.0	1704.1	1748.0	1806.5	1762.7	1718.8	1638.3	1572.5	1576.1
32.5°	5013.7	2870.7	1671.2	1631.0	1689.5	1696.8	1649.3	1583.5	1503.0	1440.8	1437.2
35°	5423.3	2826.8	1587.1	1583.5	1594.4	1598.1	1550.5	1470.1	1437.2	1386.0	1404.3
37.5°	5832.8	2804.9	1528.6	1514.0	1510.3	1514.0	1459.1	1382.3	1444.5	1440.8	1448.2
40°	6355.8	2903.6	1444.5	1426.2	1429.9	1429.9	1360.4	1338.4	1448.2	1459.1	1462.8
42.5°	6886.0	3028.0	1389.6	1331.1	1345.8	1345.8	1309.2	1283.6	1360.4	1287.2	1276.3
45°	7346.8	3210.8	1331.1	1236.1	1272.6	1290.9	1279.9	1236.1	1188.5	1064.2	1064.2
47.5°	7496.8	3371.7	1261.6	1144.6	1173.9	1254.3	1221.4	1130.0	1045.9	943.5	936.2
50°	7760.1	3547.2	1206.8	1038.6	1100.7	1199.5	1166.6	1075.1	980.1	906.9	910.6
52.5°	8030.7	3748.4	1104.4	914.2	991.0	1155.6	1155.6	1053.2	906.9	855.7	848.4
55°	8436.6	3741.1	921.6	749.7	885.0	1089.8	1108.1	943.5	811.8	771.6	771.6
56°	8495.1	3572.8	830.1	702.1	837.4	1071.5	1075.1	914.2	775.3	731.4	731.4
57.5°	8056.3	3225.4	727.7	643.6	778.9	1038.6	1042.2	888.6	746.0	683.9	676.5
60°	6198.5	2183.2	607.1	574.1	705.8	936.2	954.5	808.2	654.6	607.1	603.4
62.5°	3499.7	1210.5	533.9	519.3	607.1	797.2	852.1	705.8	555.9	530.3	537.6
65°	1598.1	665.6	449.8	420.5	490.0	614.4	687.5	581.5	457.1	427.9	427.9
67.5°	585.1	453.5	384.0	332.8	343.8	398.6	446.1	376.7	303.5	259.6	270.6
70°	416.9	380.3	336.4	288.9	267.0	259.6	256.0	212.1	149.9	117.0	124.3
72.5°	336.4	314.5	281.6	245.0	208.4	175.5	149.9	109.7	69.5	47.5	43.9
75°	241.4	230.4	204.8	175.5	146.3	124.3	102.4	69.5	36.6	18.3	18.3
77.5°	124.3	124.3	120.7	109.7	91.4	73.1	58.5	40.2	21.9	7.3	7.3
80°	95.1	102.4	106.1	95.1	84.1	65.8	47.5	29.3	14.6	3.7	3.7
82.5°	91.4	106.1	113.4	98.7	84.1	62.2	47.5	29.3	14.6	3.7	3.7
85°	21.9	21.9	32.9	36.6	47.5	51.2	40.2	25.6	11.0	3.7	3.7
87.5°	7.3	7.3	7.3	7.3	7.3	7.3	3.7	3.7	3.7	3.7	0.0
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)