

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: P530988

Luminaire Tested: **GALN-SA6B-730-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-730-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26046 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

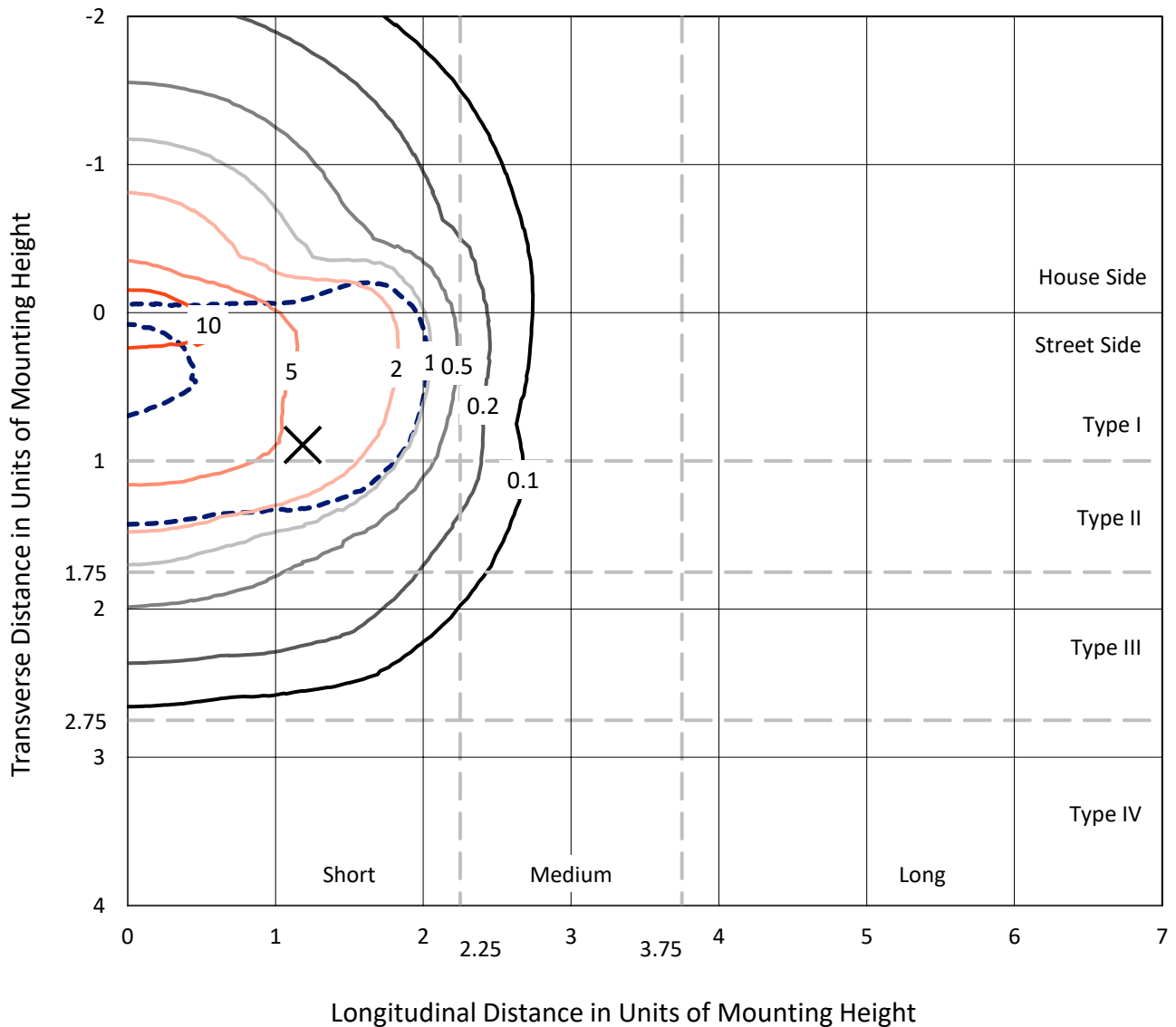
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

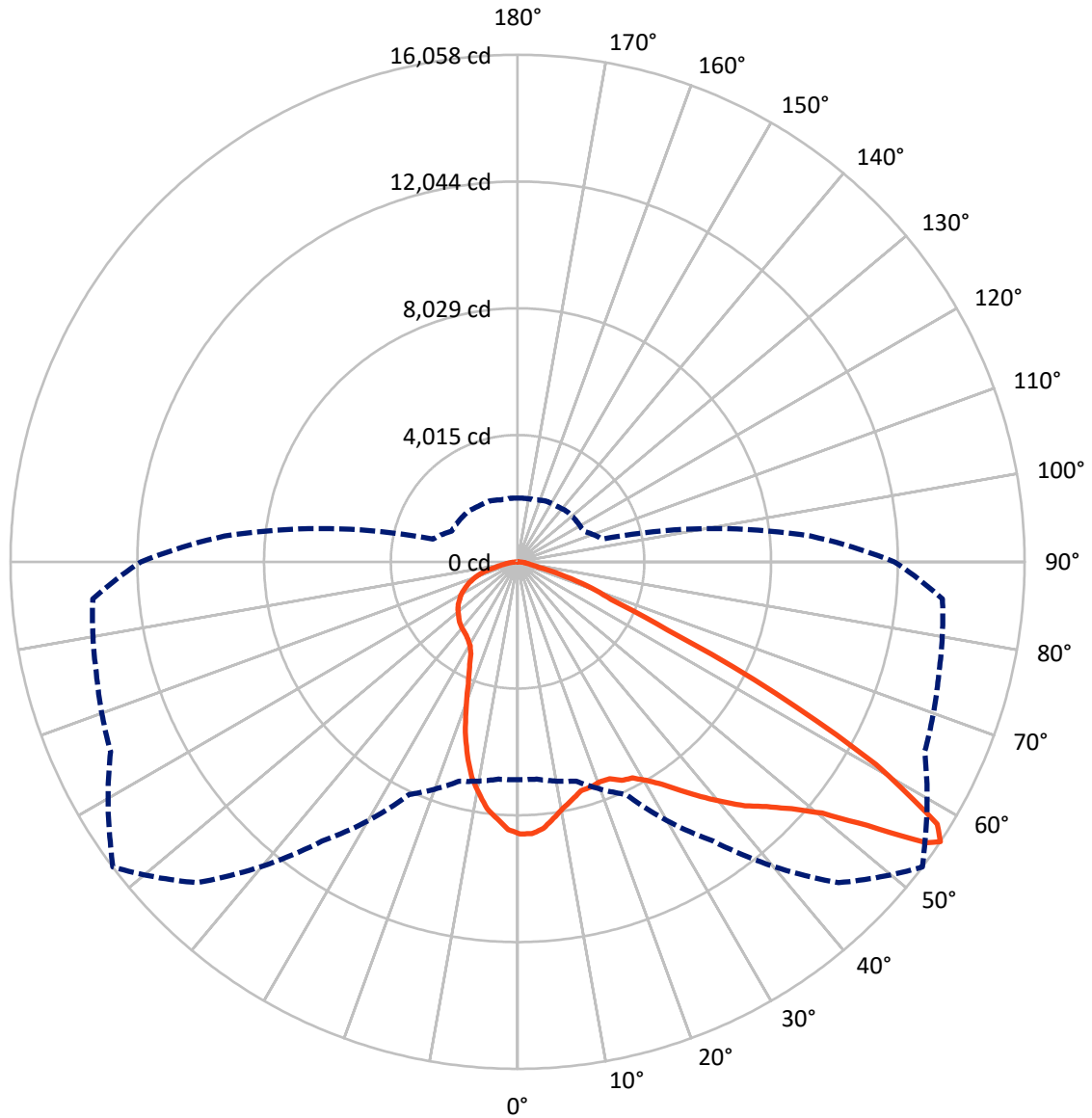
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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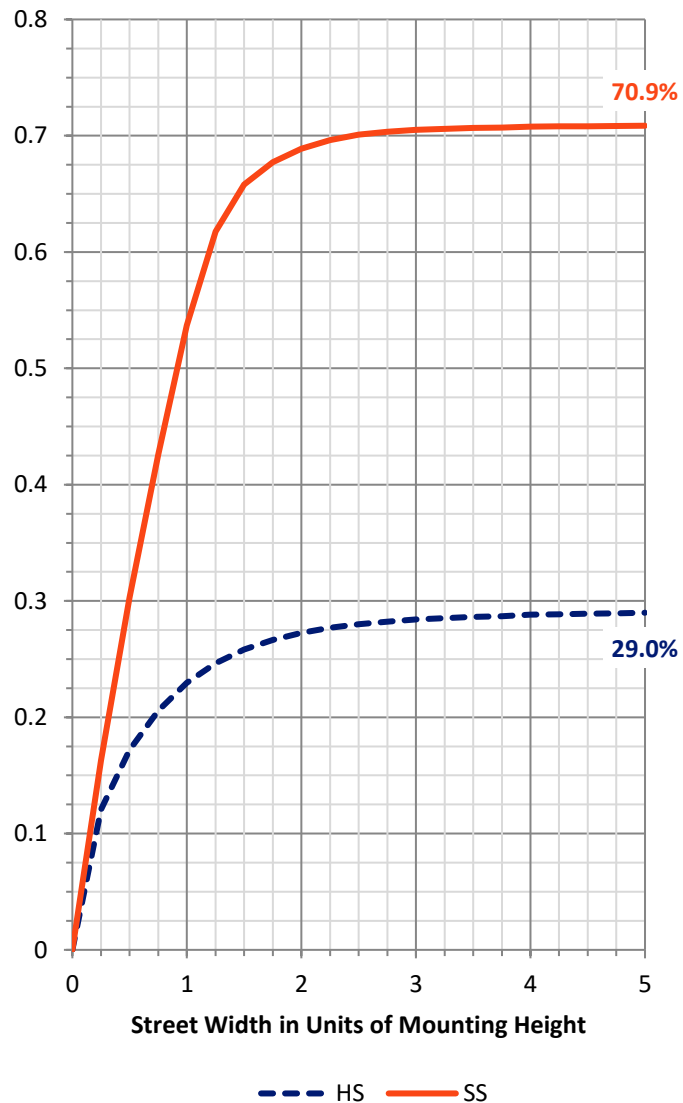
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7600.8	0.0	7600.8
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	18445.2	0.0	18445.2
	% Fixture	70.8	0.0	70.8
Total	Lumens	26046.0	0.0	26046.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.8	2.9
10°-20°	1905.3	7.3
20°-30°	2809.5	10.8
30°-40°	4014.2	15.4
40°-50°	5525.0	21.2
50°-60°	6529.1	25.1
60°-70°	3479.6	13.4
70°-80°	882.8	3.4
80°-90°	137.6	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°	26046.0	100.0
0°-180°	26046.0	100.0

Coefficient of Utilization

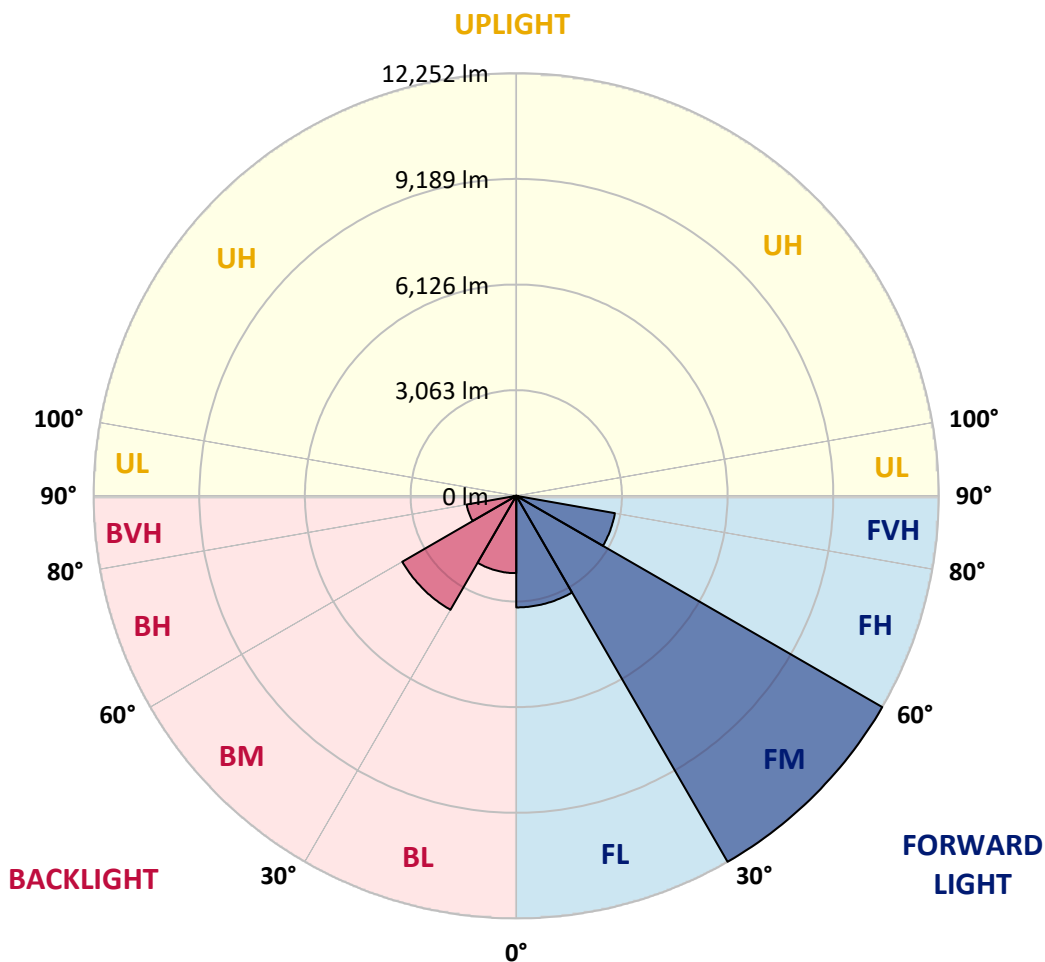


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3235.8	12.4			
FM (30°-60°)	12251.5	47.0			
FH (60°-80°)	2902.5	11.1			G2/5000
FVH (80°-90°)	55.3	0.2			G1/100
BL (0°-30°)	2241.8	8.6	B3/2500		
BM (30°-60°)	3816.9	14.7	B3/5000		
BH (60°-80°)	1459.8	5.6	B3/2500		G3/2500
BVH (80°-90°)	82.3	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-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	8617.0	8617.0	8617.0	8617.0	8617.0	8617.0	8617.0	8617.0	8617.0	8617.0	8617.0
2.5°	8510.1	8436.6	8480.1	8463.3	8600.3	8640.4	8620.4	8637.1	8713.9	8677.2	8600.3
5°	7952.1	8055.7	8075.8	8125.9	8206.1	8363.1	8486.7	8520.1	8556.9	8727.3	8710.6
7.5°	7444.3	7514.4	7477.7	7624.7	7798.4	8052.4	8202.7	8229.5	8566.9	8660.5	8730.6
10°	7123.5	7053.3	7220.4	7260.5	7457.6	7748.3	7928.7	8039.0	8346.4	8717.3	8760.7
12.5°	6826.1	6802.8	6903.0	7016.6	7237.1	7537.8	7721.6	7765.0	8239.5	8630.4	8834.2
15°	6605.6	6578.9	6679.1	6762.7	7019.9	7287.2	7521.1	7644.7	8122.5	8580.3	8770.7
17.5°	6431.9	6428.5	6485.3	6635.7	6899.6	7123.5	7501.1	7507.8	8062.4	8657.1	8824.2
20°	6421.9	6418.5	6428.5	6595.6	6836.2	7110.1	7437.6	7497.7	8062.4	8603.7	8827.5
22.5°	6505.4	6451.9	6512.1	6619.0	6792.7	7133.5	7461.0	7594.6	8256.2	8867.6	8977.9
25°	6639.0	6652.4	6685.8	6722.6	6822.8	7187.0	7668.1	7778.4	8483.4	9094.8	9185.1
27.5°	6882.9	6876.3	6889.6	6909.7	6996.5	7237.1	7751.7	8035.7	8957.8	9499.1	9408.9
30°	7240.5	7217.1	7270.5	7340.7	7260.5	7397.5	8029.0	8242.8	9398.9	9906.8	9659.5
32.5°	7564.6	7651.4	7751.7	7781.7	7684.8	7711.6	8396.5	8613.7	9766.4	10407.9	9966.9
35°	7968.8	8039.0	8172.7	8266.2	8249.5	8169.3	8897.7	9185.1	10297.7	10775.5	10291.0
37.5°	8363.1	8446.6	8667.2	8944.5	8790.8	8754.0	9432.3	9669.5	10461.4	10972.6	10528.2
40°	8997.9	8994.6	9375.5	9519.2	9656.2	9592.7	9986.9	10067.1	10548.3	10929.2	10534.9
42.5°	9743.0	9696.3	10083.8	10307.7	10484.8	10491.5	10565.0	10538.3	10588.4	10708.7	10464.7
45°	10451.4	10551.6	10942.5	11343.5	11520.6	11540.6	11052.8	11002.7	10658.5	10645.2	10331.1
47.5°	11316.8	11340.1	11660.9	12188.8	12599.8	12459.5	11684.3	11574.0	10965.9	11069.5	10555.0
50°	11366.9	11540.6	11828.0	12449.4	13712.4	13675.7	12502.9	12295.7	11460.4	11670.9	11179.8
52.5°	10317.7	10277.6	10618.4	11634.2	13628.9	14885.2	13859.4	13364.9	12522.9	12362.6	12192.2
55°	7861.9	7955.5	8256.2	9281.9	11834.7	14901.9	15707.1	15302.9	13659.0	13385.0	13187.9
56°	6896.3	6909.7	7193.7	8129.2	10798.9	14370.6	16058.0	15730.5	14223.6	13806.0	13505.3
57.5°	5716.9	5640.0	5787.0	6298.2	9114.9	13248.0	15673.7	15994.5	14885.2	14260.4	13842.7
60°	4500.6	4483.9	4423.8	4517.3	5760.3	9980.3	13047.5	13769.2	14818.4	13832.7	13258.0
62.5°	3675.4	3591.8	3712.1	3845.8	4002.8	6191.3	9168.3	9592.7	11764.5	11042.8	9960.2
65°	2850.1	2810.0	2960.3	3394.7	3488.2	3932.6	5222.3	5549.8	6946.4	6822.8	6007.5
67.5°	1961.3	1968.0	2098.3	2759.9	3234.3	3194.2	3197.6	3368.0	3625.2	2693.0	2345.5
70°	1242.9	1239.6	1309.8	1777.5	2602.8	2629.6	2495.9	2445.8	2318.8	1403.3	1486.8
72.5°	798.6	775.2	811.9	982.3	1346.5	1557.0	1603.8	1633.9	1343.2	1102.6	1196.2
75°	451.1	427.7	414.3	457.7	531.3	614.8	674.9	695.0	778.5	835.3	885.4
77.5°	137.0	123.6	150.4	200.5	264.0	354.2	431.0	444.4	524.6	591.4	641.5
80°	60.1	66.8	93.6	133.6	187.1	250.6	304.1	324.1	377.6	427.7	441.0
82.5°	36.8	40.1	63.5	90.2	130.3	177.1	217.2	223.9	277.3	317.4	327.4
85°	13.4	16.7	33.4	53.5	83.5	113.6	113.6	123.6	113.6	113.6	123.6
87.5°	0.0	0.0	3.3	6.7	6.7	10.0	13.4	13.4	16.7	20.0	23.4
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°	8617.0	8617.0	8617.0	8617.0	8617.0	8617.0	8617.0	8617.0	8617.0	8617.0	8617.0
2.5°	8640.4	8623.7	8597.0	8500.1	8490.1	8460.0	8292.9	8266.2	8292.9	8212.8	8219.4
5°	8623.7	8673.8	8473.4	8376.5	8196.0	8065.7	7915.4	7838.5	7701.5	7614.7	7711.6
7.5°	8697.2	8677.2	8426.6	8216.1	7945.5	7614.7	7350.7	7200.4	6959.8	6893.0	6943.1
10°	8670.5	8563.6	8269.6	7992.2	7481.0	7190.3	6762.7	6348.3	6121.1	6004.2	5987.5
12.5°	8633.7	8603.7	8112.5	7634.7	7096.8	6485.3	5883.9	5493.0	5122.1	4961.7	4985.1
15°	8677.2	8423.3	7818.5	7213.7	6498.7	5696.8	5048.6	4544.1	4286.8	4183.2	4183.2
17.5°	8657.1	8336.4	7678.2	6742.6	5837.1	4888.2	4176.5	3872.5	3765.6	3765.6	3795.6
20°	8667.2	8393.2	7394.2	6271.5	5055.3	4116.4	3598.5	3488.2	3535.0	3551.7	3568.4
22.5°	8724.0	8206.1	7116.8	5753.6	4330.2	3521.7	3267.7	3271.1	3354.6	3444.8	3428.1
25°	8794.1	8132.6	6779.4	5239.1	3775.6	3231.0	3150.8	3140.8	3204.2	3251.0	3257.7
27.5°	8734.0	8005.6	6435.2	4597.5	3321.2	3037.2	3020.5	3027.2	3047.2	3140.8	3110.7
30°	8931.1	8042.4	6004.2	4059.6	3070.6	2973.7	2953.7	2943.6	2973.7	3000.4	2977.0
32.5°	9175.0	7912.0	5683.4	3541.7	2947.0	2926.9	2886.8	2873.5	2890.2	2863.4	2876.8
35°	9281.9	7888.7	5265.8	3170.8	2850.1	2833.4	2810.0	2806.6	2810.0	2786.6	2766.5
37.5°	9342.1	7998.9	4788.0	3000.4	2789.9	2806.6	2753.2	2746.5	2686.4	2699.7	2709.7
40°	9445.7	7828.5	4400.4	2836.7	2753.2	2719.8	2673.0	2663.0	2622.9	2599.5	2622.9
42.5°	9295.3	7778.4	4019.5	2766.5	2699.7	2663.0	2629.6	2572.8	2559.4	2539.3	2526.0
45°	9175.0	7491.0	3678.7	2679.7	2636.2	2616.2	2552.7	2492.6	2442.4	2462.5	2432.4
47.5°	9265.2	7390.8	3341.2	2606.2	2549.4	2526.0	2462.5	2415.7	2365.6	2342.2	2335.5
50°	9626.1	7577.9	3057.2	2552.7	2475.9	2462.5	2379.0	2325.5	2278.7	2262.0	2268.7
52.5°	10488.1	8089.1	2863.4	2442.4	2405.7	2345.5	2298.8	2231.9	2201.9	2148.4	2181.8
55°	11580.7	8921.1	2813.3	2338.9	2318.8	2265.4	2201.9	2151.8	2095.0	2051.5	2041.5
56°	11931.5	9318.7	2773.2	2298.8	2265.4	2235.3	2151.8	2121.7	2031.5	2021.4	2014.8
57.5°	12215.6	9669.5	2779.9	2221.9	2188.5	2161.8	2111.7	2038.2	1978.0	1941.3	1958.0
60°	11574.0	9051.4	2652.9	2105.0	2098.3	2048.2	1978.0	1944.6	1871.1	1827.7	1817.6
62.5°	8603.7	6144.5	2151.8	1954.6	1951.3	1897.8	1817.6	1780.9	1767.5	1707.4	1707.4
65°	4955.1	3852.4	1861.1	1831.0	1804.3	1750.8	1670.6	1640.5	1607.1	1587.1	1570.4
67.5°	2115.0	1998.1	1690.7	1687.3	1657.3	1590.4	1510.2	1463.5	1420.0	1379.9	1400.0
70°	1533.6	1557.0	1526.9	1510.2	1473.5	1390.0	1319.8	1263.0	1196.2	1169.4	1189.5
72.5°	1216.2	1266.3	1309.8	1313.1	1269.7	1172.8	1095.9	1019.1	945.6	908.8	925.5
75°	922.2	955.6	999.0	1009.1	945.6	878.7	805.2	725.0	668.2	624.8	631.5
77.5°	664.9	658.2	698.3	691.6	661.6	614.8	548.0	474.5	411.0	370.9	374.2
80°	454.4	464.4	487.8	484.5	447.7	417.7	367.5	307.4	260.6	227.2	220.5
82.5°	317.4	334.1	354.2	337.5	307.4	277.3	240.6	197.1	160.4	133.6	127.0
85°	113.6	130.3	150.4	160.4	170.4	163.7	137.0	110.3	80.2	66.8	63.5
87.5°	23.4	26.7	30.1	30.1	30.1	26.7	23.4	23.4	20.0	10.0	10.0
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)