

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: P648480

Luminaire Tested: **GALN-SA6B-835-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648480
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-835-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 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: 22393 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

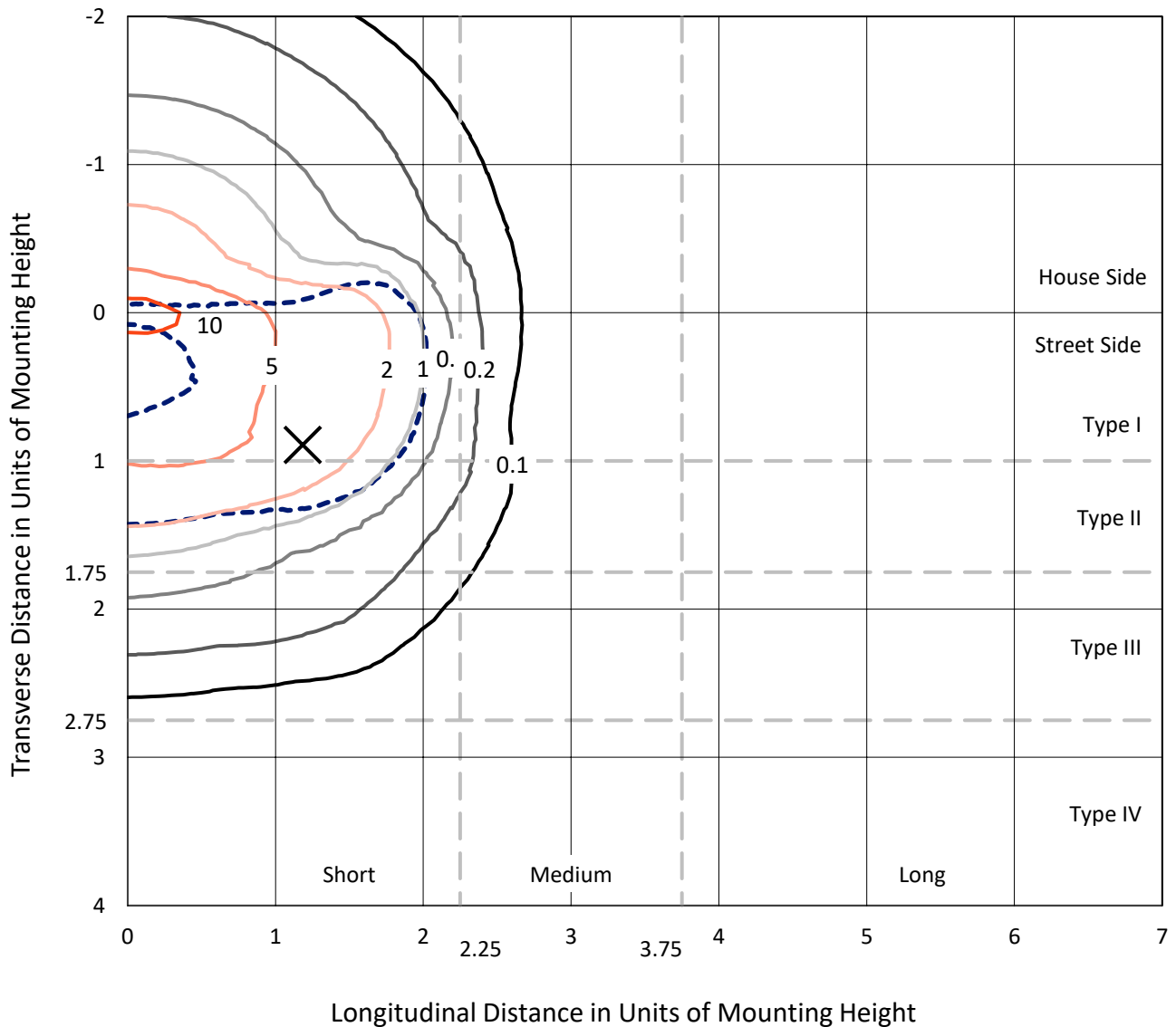
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

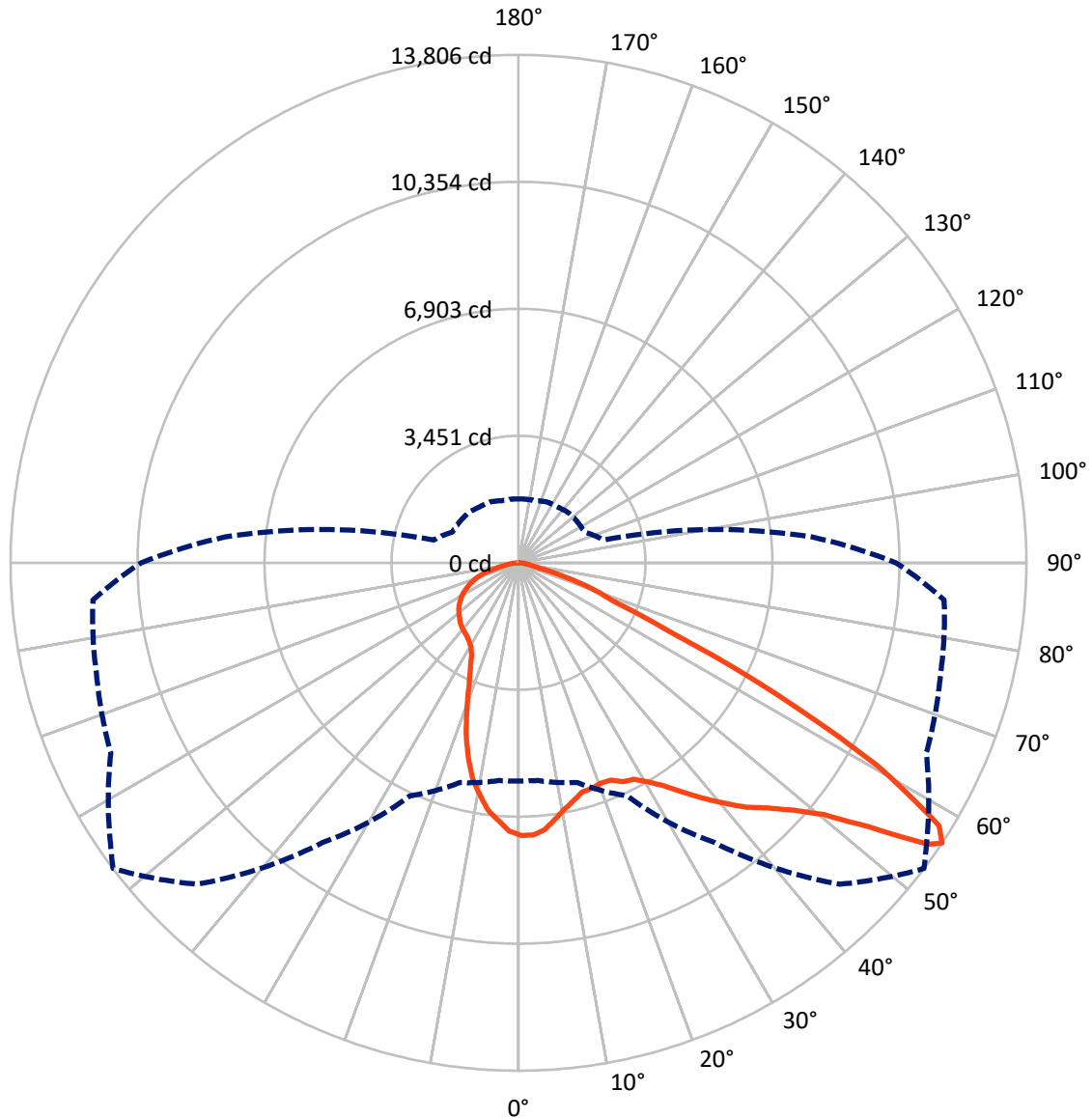
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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	6534.8	0.0	6534.8
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	15858.2	0.0	15858.2
	% Fixture	70.8	0.0	70.8
Total	Lumens	22393.0	0.0	22393.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.9	2.9
10°-20°	1638.1	7.3
20°-30°	2415.5	10.8
30°-40°	3451.2	15.4
40°-50°	4750.2	21.2
50°-60°	5613.4	25.1
60°-70°	2991.6	13.4
70°-80°	758.9	3.4
80°-90°	118.3	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°	22393.0	100.0
0°-180°	22393.0	100.0

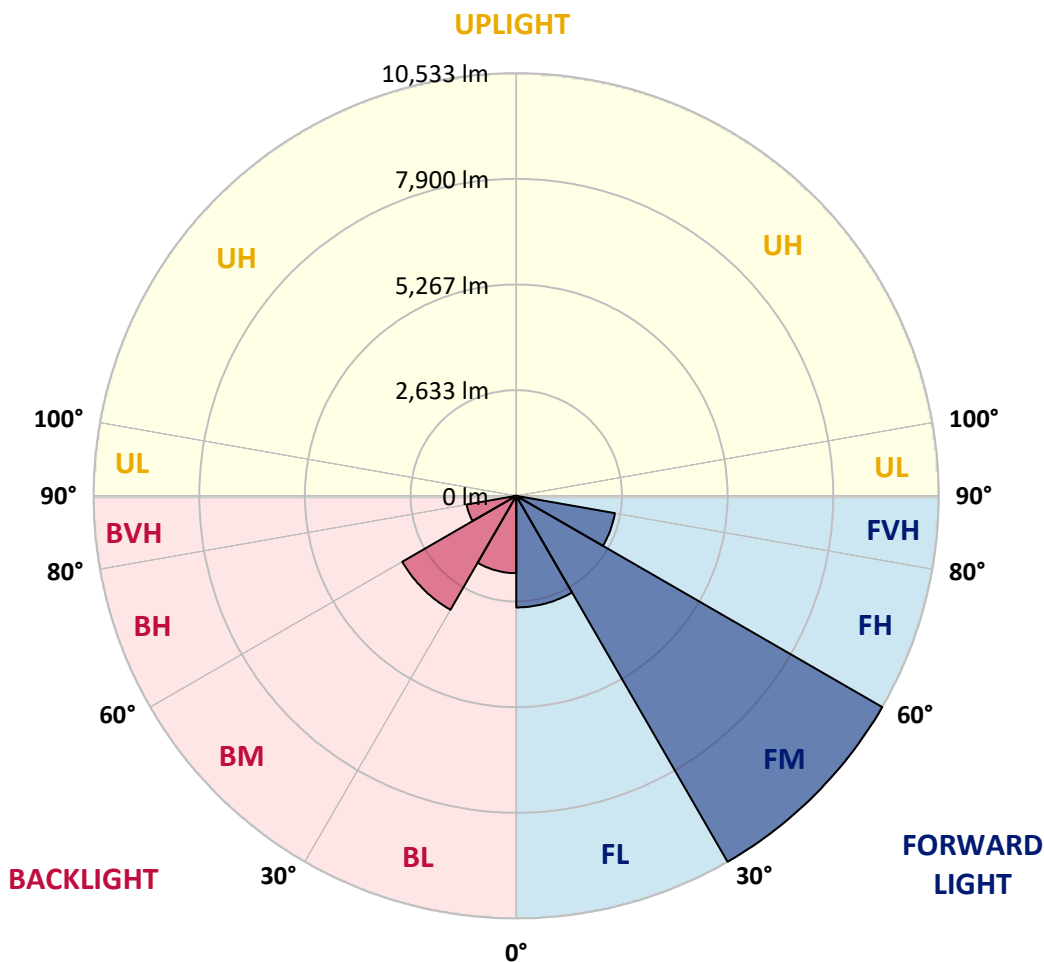


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2782.0	12.4			
FM (30°-60°)	10533.2	47.0			
FH (60°-80°)	2495.4	11.1			G2/5000
FVH (80°-90°)	47.6	0.2			G1/100
BL (0°-30°)	1927.4	8.6	B3/2500		
BM (30°-60°)	3281.5	14.7	B3/5000		
BH (60°-80°)	1255.1	5.6	B3/2500		G3/2500
BVH (80°-90°)	70.8	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°	7408.5	7408.5	7408.5	7408.5	7408.5	7408.5	7408.5	7408.5	7408.5	7408.5	7408.5
2.5°	7316.6	7253.4	7290.7	7276.3	7394.1	7428.6	7411.3	7425.7	7491.8	7460.2	7394.1
5°	6836.8	6925.9	6943.1	6986.2	7055.1	7190.2	7296.5	7325.2	7356.8	7503.3	7488.9
7.5°	6400.2	6460.5	6428.9	6555.4	6704.7	6923.1	7052.3	7075.3	7365.4	7445.9	7506.2
10°	6124.5	6064.1	6207.7	6242.2	6411.7	6661.6	6816.7	6911.5	7175.8	7494.6	7532.0
12.5°	5868.7	5848.7	5934.8	6032.5	6222.1	6480.7	6638.7	6675.9	7083.9	7420.0	7595.2
15°	5679.2	5656.2	5742.4	5814.2	6035.4	6265.2	6466.2	6572.6	6983.3	7376.9	7540.6
17.5°	5529.8	5527.0	5575.7	5705.0	5931.9	6124.5	6449.0	6454.8	6931.7	7443.0	7586.6
20°	5521.2	5518.3	5527.0	5670.6	5877.4	6113.0	6394.4	6446.1	6931.7	7397.0	7589.5
22.5°	5593.0	5547.0	5598.8	5690.7	5840.0	6133.1	6414.6	6529.4	7098.3	7623.9	7718.7
25°	5707.9	5719.4	5748.1	5779.7	5865.9	6179.0	6592.7	6687.4	7293.6	7819.3	7896.9
27.5°	5917.6	5911.9	5923.3	5940.6	6015.2	6222.1	6664.5	6908.6	7701.5	8166.8	8089.3
30°	6225.0	6204.9	6250.8	6311.1	6242.2	6360.0	6902.9	7086.8	8080.7	8517.3	8304.7
32.5°	6503.6	6578.3	6664.5	6690.3	6607.0	6630.0	7218.9	7405.6	8396.7	8948.2	8569.0
35°	6851.2	6911.5	7026.4	7106.9	7092.5	7023.6	7649.8	7896.9	8853.5	9264.2	8847.7
37.5°	7190.2	7262.0	7451.6	7690.0	7557.9	7526.3	8109.4	8313.3	8994.2	9433.7	9051.6
40°	7736.0	7733.1	8060.6	8184.1	8301.9	8247.3	8586.3	8655.2	9068.9	9396.3	9057.4
42.5°	8376.5	8336.4	8669.6	8862.1	9014.3	9020.0	9083.3	9060.2	9103.3	9206.7	8997.1
45°	8985.6	9071.8	9407.8	9752.6	9904.8	9922.0	9502.6	9459.6	9163.7	9152.2	8882.1
47.5°	9729.6	9749.7	10025.5	10479.4	10832.6	10712.0	10045.6	9950.8	9427.9	9517.0	9074.6
50°	9772.6	9922.0	10169.1	10703.4	11789.2	11757.6	10749.3	10571.3	9853.1	10034.1	9611.8
52.5°	8870.7	8836.2	9129.2	10002.4	11717.4	12797.5	11915.6	11490.5	10766.6	10628.7	10482.2
55°	6759.2	6839.7	7098.3	7980.2	10174.9	12811.9	13504.2	13156.6	11743.3	11507.8	11338.2
56°	5929.1	5940.6	6184.8	6989.1	9284.3	12355.1	13805.9	13524.3	12228.7	11869.7	11611.1
57.5°	4915.0	4849.0	4975.4	5414.9	7836.5	11389.9	13475.5	13751.3	12797.5	12260.4	11901.3
60°	3869.4	3855.0	3803.3	3883.8	4952.4	8580.5	11217.6	11838.1	12740.1	11892.7	11398.6
62.5°	3159.9	3088.1	3191.5	3306.4	3441.4	5323.0	7882.5	8247.3	10114.5	9494.0	8563.3
65°	2450.3	2415.9	2545.1	2918.6	2999.0	3381.1	4489.9	4771.4	5972.2	5865.9	5165.0
67.5°	1686.2	1692.0	1804.0	2372.8	2780.7	2746.2	2749.1	2895.6	3116.8	2315.3	2016.6
70°	1068.6	1065.7	1126.0	1528.3	2237.7	2260.8	2145.8	2102.7	1993.6	1206.5	1278.3
72.5°	686.5	666.4	698.0	844.5	1157.7	1338.6	1378.9	1404.7	1154.8	948.0	1028.4
75°	387.8	367.7	356.2	393.5	456.7	528.5	580.3	597.5	669.3	718.2	761.2
77.5°	117.8	106.3	129.3	172.3	226.9	304.5	370.6	382.0	451.0	508.5	551.5
80°	51.7	57.5	80.4	114.9	160.8	215.5	261.4	278.7	324.6	367.7	379.2
82.5°	31.6	34.5	54.6	77.6	112.0	152.2	186.7	192.5	238.4	272.9	281.5
85°	11.5	14.3	28.7	46.0	71.8	97.6	97.6	106.3	97.6	97.6	106.3
87.5°	0.0	0.0	2.9	5.7	5.7	8.6	11.5	11.5	14.3	17.2	20.1
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°	7408.5	7408.5	7408.5	7408.5	7408.5	7408.5	7408.5	7408.5	7408.5	7408.5	7408.5
2.5°	7428.6	7414.2	7391.3	7308.0	7299.4	7273.4	7129.8	7106.9	7129.8	7060.9	7066.7
5°	7414.2	7457.3	7285.0	7201.6	7046.5	6934.5	6805.2	6739.2	6621.4	6546.7	6630.0
7.5°	7477.4	7460.2	7244.8	7063.8	6831.1	6546.7	6319.7	6190.5	5983.7	5926.2	5969.3
10°	7454.5	7362.5	7109.7	6871.3	6431.8	6181.9	5814.2	5458.0	5262.6	5162.1	5147.8
12.5°	7422.8	7397.0	6974.7	6564.0	6101.4	5575.7	5058.6	4722.6	4403.7	4265.9	4286.0
15°	7460.2	7241.9	6721.9	6202.0	5587.3	4897.8	4340.6	3906.8	3685.6	3596.6	3596.6
17.5°	7443.0	7167.2	6601.3	5796.9	5018.5	4202.7	3590.8	3329.4	3237.5	3237.5	3263.3
20°	7451.6	7216.0	6357.1	5391.9	4346.3	3539.1	3093.8	2999.0	3039.2	3053.6	3068.0
22.5°	7500.4	7055.1	6118.7	4946.7	3722.9	3027.8	2809.4	2812.3	2884.1	2961.7	2947.3
25°	7560.7	6992.0	5828.6	4504.3	3246.1	2777.8	2708.9	2700.3	2754.8	2795.1	2800.8
27.5°	7509.0	6882.8	5532.7	3952.7	2855.4	2611.2	2596.8	2602.6	2619.8	2700.3	2674.4
30°	7678.5	6914.4	5162.1	3490.2	2640.0	2556.7	2539.4	2530.8	2556.7	2579.6	2559.5
32.5°	7888.3	6802.4	4886.3	3045.0	2533.6	2516.4	2482.0	2470.4	2484.9	2461.8	2473.3
35°	7980.2	6782.3	4527.2	2726.1	2450.3	2436.0	2415.9	2413.0	2415.9	2395.7	2378.5
37.5°	8031.9	6877.1	4116.5	2579.6	2398.6	2413.0	2367.0	2361.3	2309.6	2321.0	2329.7
40°	8120.9	6730.6	3783.2	2438.9	2367.0	2338.4	2298.1	2289.5	2255.0	2234.9	2255.0
42.5°	7991.6	6687.4	3455.8	2378.5	2321.0	2289.5	2260.8	2211.9	2200.5	2183.2	2171.7
45°	7888.3	6440.4	3162.8	2303.8	2266.5	2249.2	2194.7	2143.0	2099.8	2117.2	2091.2
47.5°	7965.8	6354.2	2872.6	2240.6	2191.8	2171.7	2117.2	2076.9	2033.8	2013.7	2007.9
50°	8276.0	6515.1	2628.5	2194.7	2128.6	2117.2	2045.3	1999.3	1959.1	1944.7	1950.5
52.5°	9017.2	6954.6	2461.8	2099.8	2068.3	2016.6	1976.4	1918.9	1893.1	1847.1	1875.8
55°	9956.5	7669.9	2418.8	2010.8	1993.6	1947.6	1893.1	1850.0	1801.1	1763.8	1755.2
56°	10258.2	8011.7	2384.3	1976.4	1947.6	1921.8	1850.0	1824.1	1746.6	1737.9	1732.2
57.5°	10502.3	8313.3	2390.0	1910.3	1881.5	1858.6	1815.5	1752.3	1700.6	1669.0	1683.4
60°	9950.8	7781.9	2280.9	1809.7	1804.0	1760.9	1700.6	1671.9	1608.7	1571.3	1562.7
62.5°	7397.0	5282.7	1850.0	1680.5	1677.6	1631.6	1562.7	1531.1	1519.6	1467.9	1467.9
65°	4260.1	3312.2	1600.1	1574.2	1551.2	1505.2	1436.3	1410.5	1381.8	1364.5	1350.1
67.5°	1818.4	1717.8	1453.6	1450.7	1424.8	1367.4	1298.4	1258.2	1220.9	1186.4	1203.6
70°	1318.6	1338.6	1312.8	1298.4	1266.8	1195.0	1134.7	1085.9	1028.4	1005.5	1022.7
72.5°	1045.6	1088.8	1126.0	1128.9	1091.6	1008.3	942.2	876.2	813.0	781.4	795.7
75°	792.9	821.6	859.0	867.6	813.0	755.5	692.3	623.3	574.5	537.2	542.9
77.5°	571.7	565.9	600.4	594.6	568.8	528.5	471.1	407.9	353.4	318.8	321.7
80°	390.6	399.3	419.4	416.6	384.9	359.1	316.0	264.3	224.1	195.4	189.6
82.5°	272.9	287.3	304.5	290.1	264.3	238.4	206.8	169.5	137.9	114.9	109.2
85°	97.6	112.0	129.3	137.9	146.5	140.8	117.8	94.8	68.9	57.5	54.6
87.5°	20.1	22.9	25.8	25.8	25.8	22.9	20.1	20.1	17.2	8.6	8.6
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)