

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635904

Luminaire Tested: GWS-SA3E-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-760-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18497.9 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

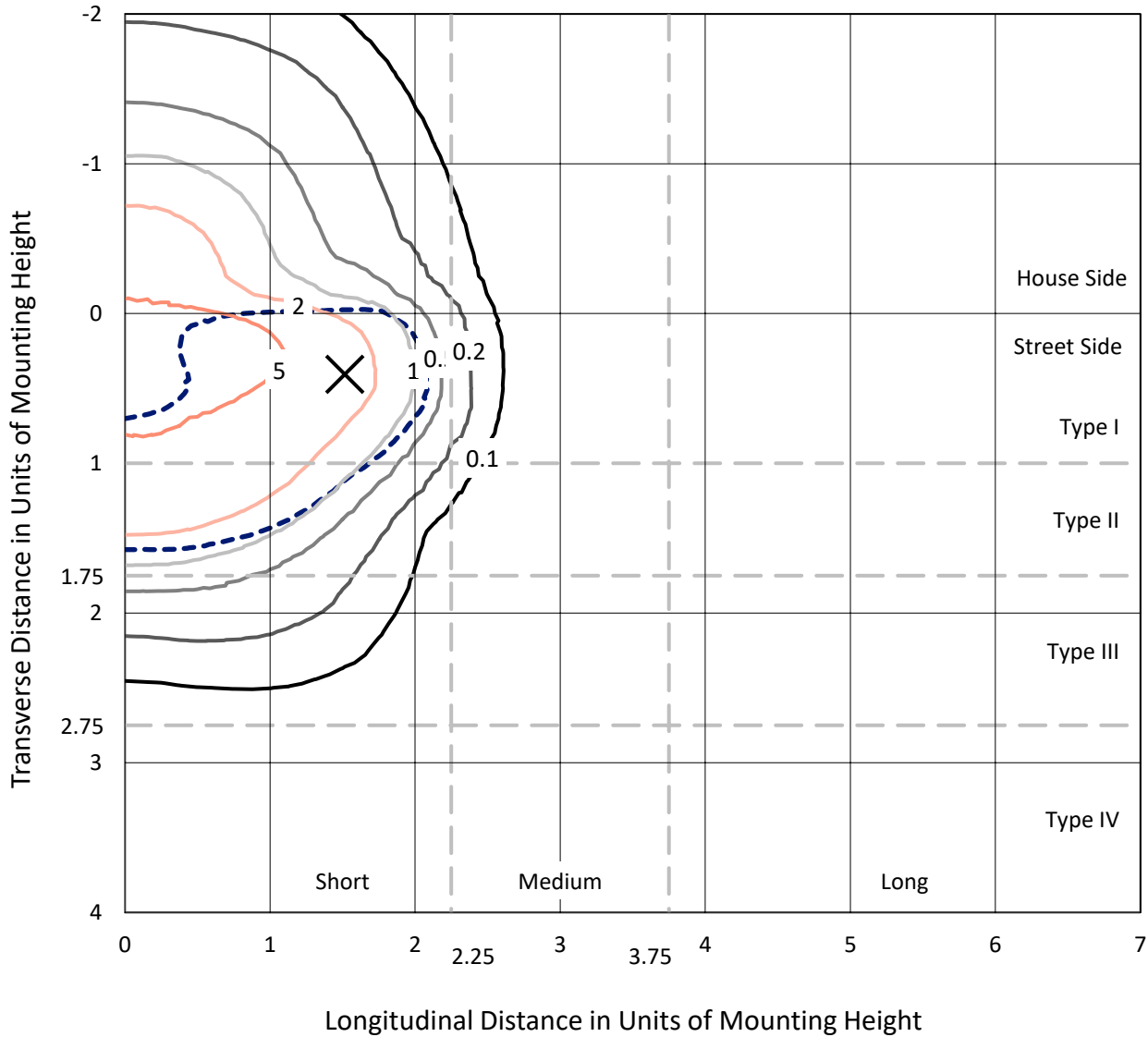
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

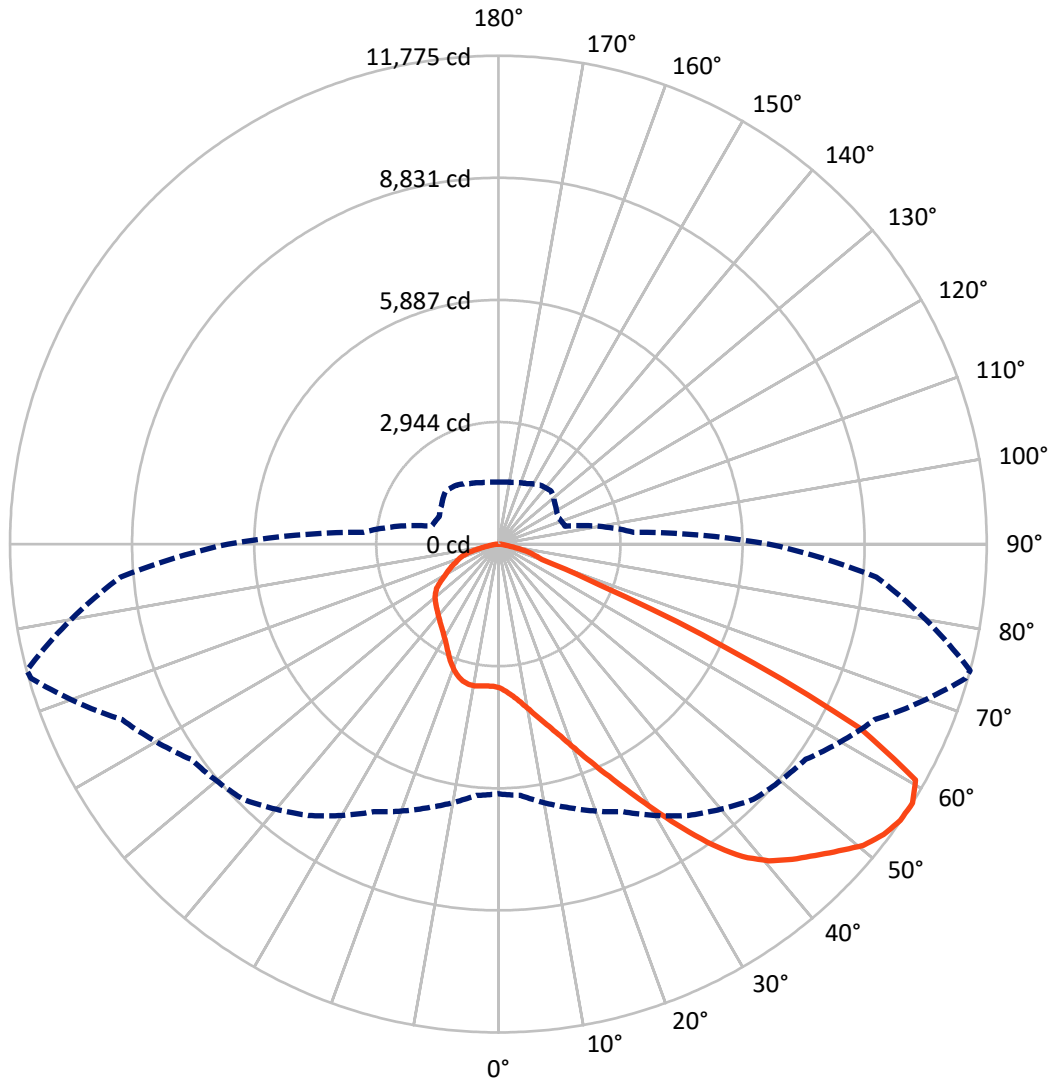
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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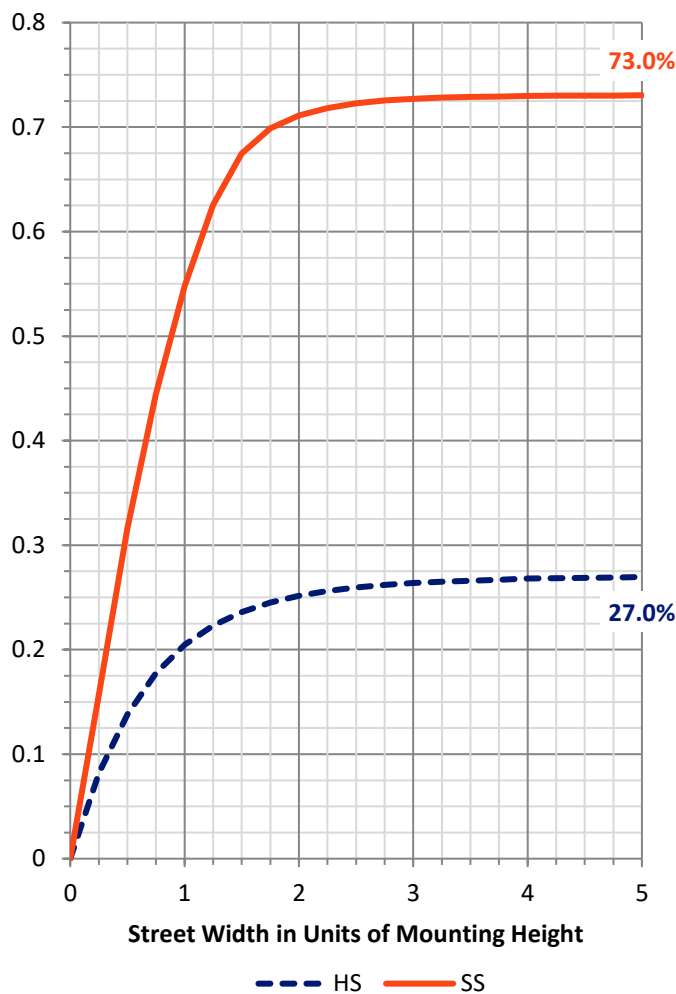
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5004.1	0.0	5004.1
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	13493.8	0.0	13493.8
	% Fixture	72.9	0.0	72.9
Total	Lumens	18497.9	0.0	18497.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	1.9
10°-20°	1103.7	6.0
20°-30°	1957.4	10.6
30°-40°	2996.4	16.2
40°-50°	4172.3	22.6
50°-60°	4780.6	25.8
60°-70°	2456.4	13.3
70°-80°	618.4	3.3
80°-90°	66.1	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°	18497.9	100.0
0°-180°	18497.9	100.0

Coefficient of Utilization



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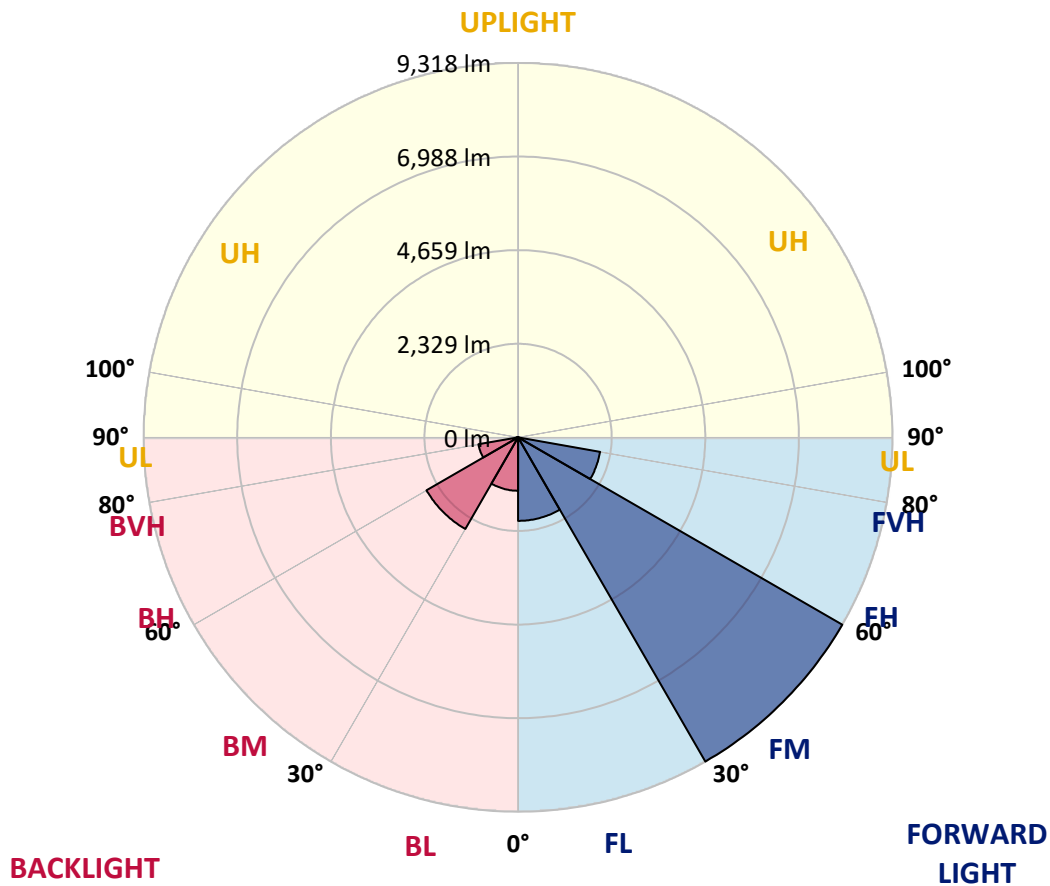
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2078.4	11.2			
FM (30°-60°)	9317.6	50.4			
FH (60°-80°)	2073.4	11.2			G2/5000
FVH (80°-90°)	24.5	0.1			G1/100
BL (0°-30°)	1329.4	7.2	B3/2500		
BM (30°-60°)	2631.7	14.2	B3/5000		
BH (60°-80°)	1001.3	5.4	B3/2500		G3/2500
BVH (80°-90°)	41.6	0.2			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°	55°	65°	74°	75°	85°
0°	3464.2	3464.2	3464.2	3464.2	3464.2	3464.2	3464.2	3464.2	3464.2	3464.2	3464.2
2.5°	3721.9	3731.4	3721.9	3737.8	3706.0	3691.7	3656.7	3604.2	3562.8	3556.5	3510.3
5°	4011.4	4032.0	4019.3	4013.0	3970.0	3938.2	3885.7	3780.7	3694.8	3682.1	3591.5
7.5°	4197.5	4211.8	4211.8	4216.5	4200.6	4164.1	4108.4	3984.3	3863.4	3844.4	3707.6
10°	4259.5	4270.6	4291.3	4331.1	4362.9	4374.0	4337.4	4218.1	4070.2	4051.1	3860.3
12.5°	4273.8	4286.5	4318.3	4391.5	4479.0	4558.5	4564.9	4477.4	4312.0	4291.3	4036.8
15°	4300.8	4313.6	4356.5	4447.2	4576.0	4728.7	4822.5	4762.1	4579.2	4556.9	4237.2
17.5°	4297.7	4312.0	4375.6	4496.5	4669.8	4890.9	5072.3	5097.7	4908.4	4870.3	4464.7
20°	4289.7	4302.4	4370.8	4518.7	4733.5	5037.3	5364.9	5496.9	5293.3	5258.4	4730.3
22.5°	4353.3	4367.6	4420.1	4542.6	4766.9	5150.2	5635.3	5953.4	5749.8	5700.5	5035.7
25°	4496.5	4517.2	4549.0	4633.3	4827.3	5250.4	5912.1	6470.3	6262.0	6203.1	5368.1
27.5°	4717.6	4743.0	4787.5	4827.3	4962.5	5377.6	6187.2	7049.3	6840.9	6778.9	5719.6
30°	4988.0	5021.4	5078.6	5105.7	5197.9	5565.3	6486.3	7645.8	7524.9	7439.0	6115.7
32.5°	5361.7	5407.9	5461.9	5469.9	5525.6	5850.0	6782.1	8237.4	8235.9	8175.4	6565.8
35°	5848.4	5897.8	5908.9	5920.0	5947.1	6241.3	7140.0	8776.6	8985.0	8915.0	7055.7
37.5°	6379.7	6451.3	6468.8	6419.4	6457.6	6712.1	7542.4	9209.3	9637.1	9562.4	7529.7
40°	6947.5	6976.1	7023.9	6945.9	6993.6	7251.3	7936.8	9486.0	10123.8	10044.3	7903.4
42.5°	7354.7	7407.2	7478.8	7450.1	7477.2	7712.6	8213.6	9619.6	10470.6	10391.0	8172.2
45°	7796.9	7812.8	7858.9	7852.5	7868.4	8087.9	8412.4	9678.5	10780.7	10709.2	8401.3
47.5°	8181.8	8205.6	8235.9	8200.9	8165.9	8309.0	8574.6	9729.4	11138.6	11052.7	8641.4
50°	8552.4	8573.1	8609.6	8507.8	8377.4	8414.0	8654.2	9799.4	11474.2	11413.8	8830.7
52.5°	8620.8	8643.0	8814.8	8835.5	8668.5	8539.6	8794.1	9953.6	11671.4	11633.3	8899.1
55°	7760.3	7800.0	8142.0	8534.9	8946.8	8905.5	9018.4	10034.8	11749.4	11758.9	9021.6
57.5°	6023.4	6080.7	6580.1	7119.3	7986.1	8703.5	9047.0	10014.1	11722.3	11774.8	9147.2
60°	3950.9	3984.3	4576.0	5180.4	6079.1	7071.6	8097.5	9641.9	11482.2	11556.9	9115.4
62.5°	2385.8	2424.0	2899.6	3357.6	3887.3	4550.6	5492.2	7749.1	9624.4	9791.4	7300.6
65°	1665.3	1716.2	2132.9	2509.9	2692.8	2556.0	2781.9	4327.9	5996.4	6066.3	4461.5
67.5°	1207.2	1242.2	1584.2	2032.7	2234.7	1805.3	1375.8	1916.6	2611.7	2637.1	1840.3
70°	790.5	830.3	1140.4	1547.6	1824.4	1463.3	1029.1	1037.0	1099.1	1111.8	1068.8
72.5°	434.2	458.1	704.6	1027.5	1078.4	874.8	803.2	862.1	905.0	905.0	916.2
75°	224.3	244.9	287.9	338.8	408.8	478.8	579.0	666.4	712.6	715.7	711.0
77.5°	114.5	122.5	154.3	167.0	182.9	213.1	276.8	354.7	396.0	412.0	408.8
80°	54.1	57.3	65.2	76.3	93.8	119.3	149.5	178.1	203.6	206.8	224.3
82.5°	28.6	31.8	35.0	41.4	50.9	63.6	87.5	105.0	120.9	124.1	138.4
85°	11.1	12.7	14.3	15.9	22.3	27.0	36.6	49.3	60.4	60.4	71.6
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	6.4	8.0	11.1	11.1	19.1
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°	3464.2	3464.2	3464.2	3464.2	3464.2	3464.2	3464.2	3464.2	3464.2	3464.2	3464.2
2.5°	3499.2	3453.1	3432.4	3399.0	3372.0	3341.7	3317.9	3300.4	3289.3	3282.9	3276.5
5°	3556.5	3486.5	3430.8	3364.0	3317.9	3273.3	3236.8	3211.3	3198.6	3189.0	3182.7
7.5°	3645.5	3551.7	3446.7	3343.3	3262.2	3190.6	3144.5	3117.5	3100.0	3093.6	3088.8
10°	3768.0	3637.6	3464.2	3300.4	3179.5	3101.6	3069.8	3057.0	3058.6	3055.4	3053.9
12.5°	3906.4	3728.2	3459.4	3224.0	3090.4	3044.3	3045.9	3066.6	3090.4	3096.8	3098.4
15°	4055.9	3817.3	3413.3	3125.4	3020.4	3025.2	3066.6	3115.9	3160.4	3177.9	3181.1
17.5°	4218.1	3892.1	3329.0	3017.3	2963.2	3014.1	3090.4	3171.6	3236.8	3265.4	3273.3
20°	4399.5	3955.7	3209.7	2910.7	2909.1	2993.4	3104.7	3211.3	3294.0	3332.2	3338.6
22.5°	4591.9	3995.5	3063.4	2812.1	2853.4	2966.4	3093.6	3205.0	3292.4	3330.6	3338.6
25°	4786.0	4008.2	2902.7	2721.4	2796.2	2923.4	3039.5	3128.6	3211.3	3244.7	3251.1
27.5°	4967.3	3971.6	2750.1	2643.5	2743.7	2859.8	2937.7	2985.5	3042.7	3068.2	3072.9
30°	5151.8	3898.4	2621.2	2581.5	2684.8	2772.3	2807.3	2810.5	2832.8	2832.8	2835.9
32.5°	5337.9	3790.3	2508.3	2521.0	2611.7	2668.9	2673.7	2637.1	2610.1	2565.6	2564.0
35°	5552.6	3680.5	2416.0	2452.6	2525.8	2560.8	2546.5	2476.5	2411.3	2338.1	2334.9
37.5°	5751.4	3567.6	2338.1	2382.6	2428.8	2454.2	2420.8	2336.5	2282.4	2207.7	2196.5
40°	5915.2	3465.8	2263.3	2309.5	2331.7	2354.0	2299.9	2231.5	2239.5	2198.1	2196.5
42.5°	6010.7	3367.2	2193.4	2228.4	2242.7	2258.6	2210.9	2160.0	2202.9	2171.1	2172.7
45°	6080.7	3281.3	2129.7	2142.5	2177.5	2201.3	2156.8	2099.5	2109.1	1986.6	1958.0
47.5°	6160.2	3233.6	2069.3	2056.6	2118.6	2160.0	2091.6	2008.9	1951.6	1830.7	1819.6
50°	6244.5	3216.1	2005.7	1970.7	2045.4	2085.2	2005.7	1902.3	1827.5	1762.3	1756.0
52.5°	6273.1	3214.5	1926.2	1867.3	1942.1	1997.7	1930.9	1825.9	1736.9	1673.3	1670.1
55°	6386.0	3260.6	1824.4	1725.7	1795.7	1910.2	1860.9	1709.8	1638.3	1609.6	1606.5
57.5°	6518.1	3268.6	1663.7	1571.5	1668.5	1803.7	1741.6	1611.2	1533.3	1498.3	1495.1
60°	6464.0	3072.9	1491.9	1453.8	1560.3	1703.5	1646.2	1533.3	1442.6	1409.2	1406.0
62.5°	4925.9	2169.5	1366.3	1352.0	1444.2	1558.7	1547.6	1429.9	1344.0	1320.2	1317.0
65°	2963.2	1523.7	1245.4	1243.8	1309.0	1418.8	1433.1	1337.7	1247.0	1213.6	1213.6
67.5°	1464.9	1165.9	1108.6	1100.7	1142.0	1219.9	1280.4	1202.5	1126.1	1094.3	1089.5
70°	1035.4	1027.5	1008.4	986.1	994.1	1025.9	1051.4	986.1	905.0	873.2	866.8
72.5°	895.5	897.1	884.3	866.8	860.5	838.2	816.0	768.2	718.9	685.5	688.7
75°	695.1	698.3	706.2	699.8	682.3	658.5	634.6	574.2	534.4	502.6	496.3
77.5°	405.6	421.5	446.9	440.6	443.8	410.4	400.8	342.0	305.4	283.1	278.3
80°	229.0	238.6	249.7	257.7	248.1	233.8	213.1	181.3	170.2	154.3	151.1
82.5°	138.4	147.9	152.7	159.1	155.9	136.8	120.9	100.2	90.7	82.7	81.1
85°	70.0	76.3	81.1	84.3	74.8	62.0	55.7	44.5	38.2	33.4	33.4
87.5°	17.5	19.1	22.3	19.1	17.5	8.0	6.4	1.6	0.0	0.0	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)