

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: P633403

Luminaire Tested: GWS-SA2E-760-U-AFL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633403  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-760-U-AFL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

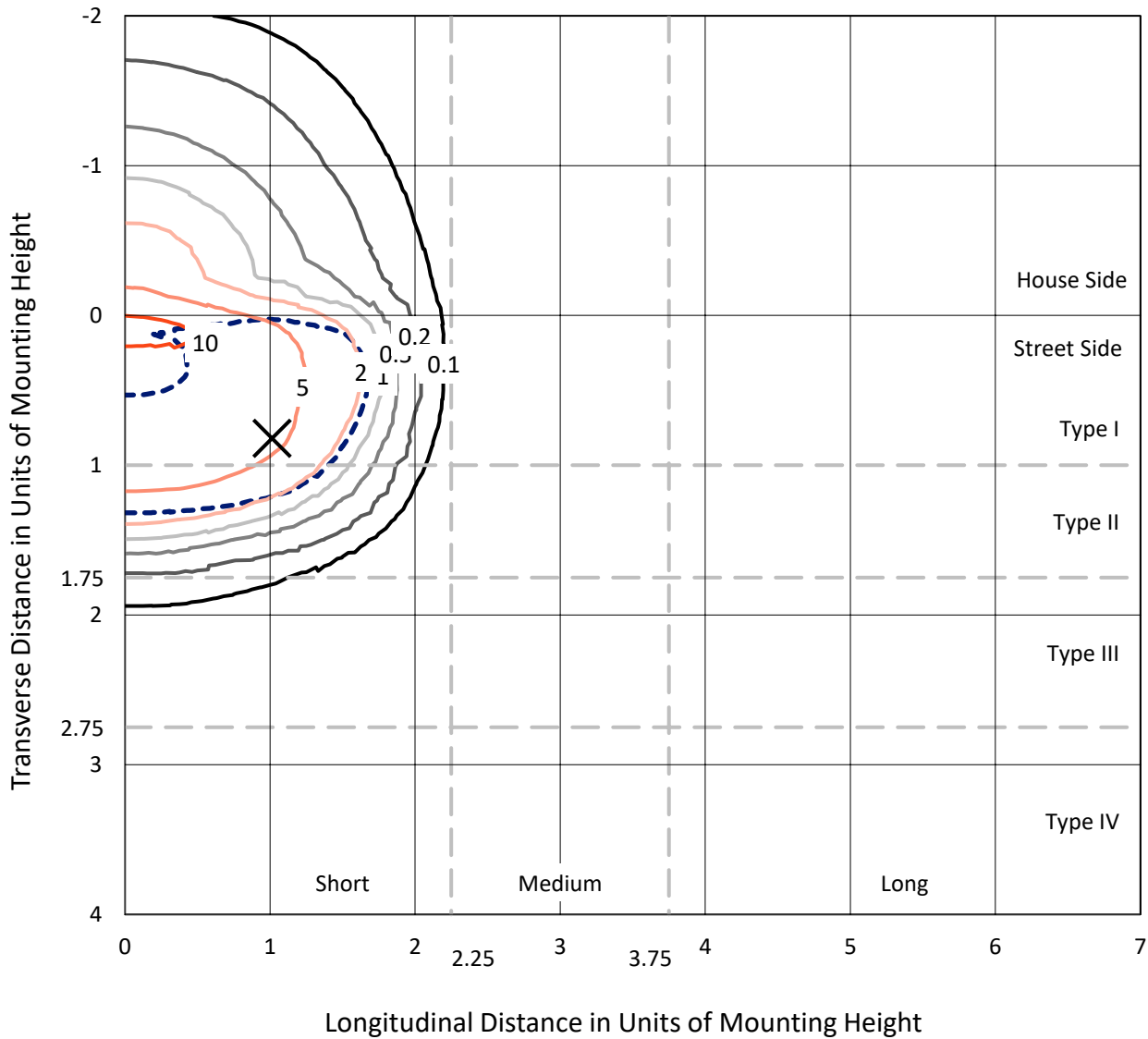
Lumens per Lamp: N/A  
Luminaire Lumens: 13354.8 lumens  
Efficiency: N/A  
Efficacy: 123.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P633403  
 CATALOG NUMBER: GWS-SA2E-760-U-AFL-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

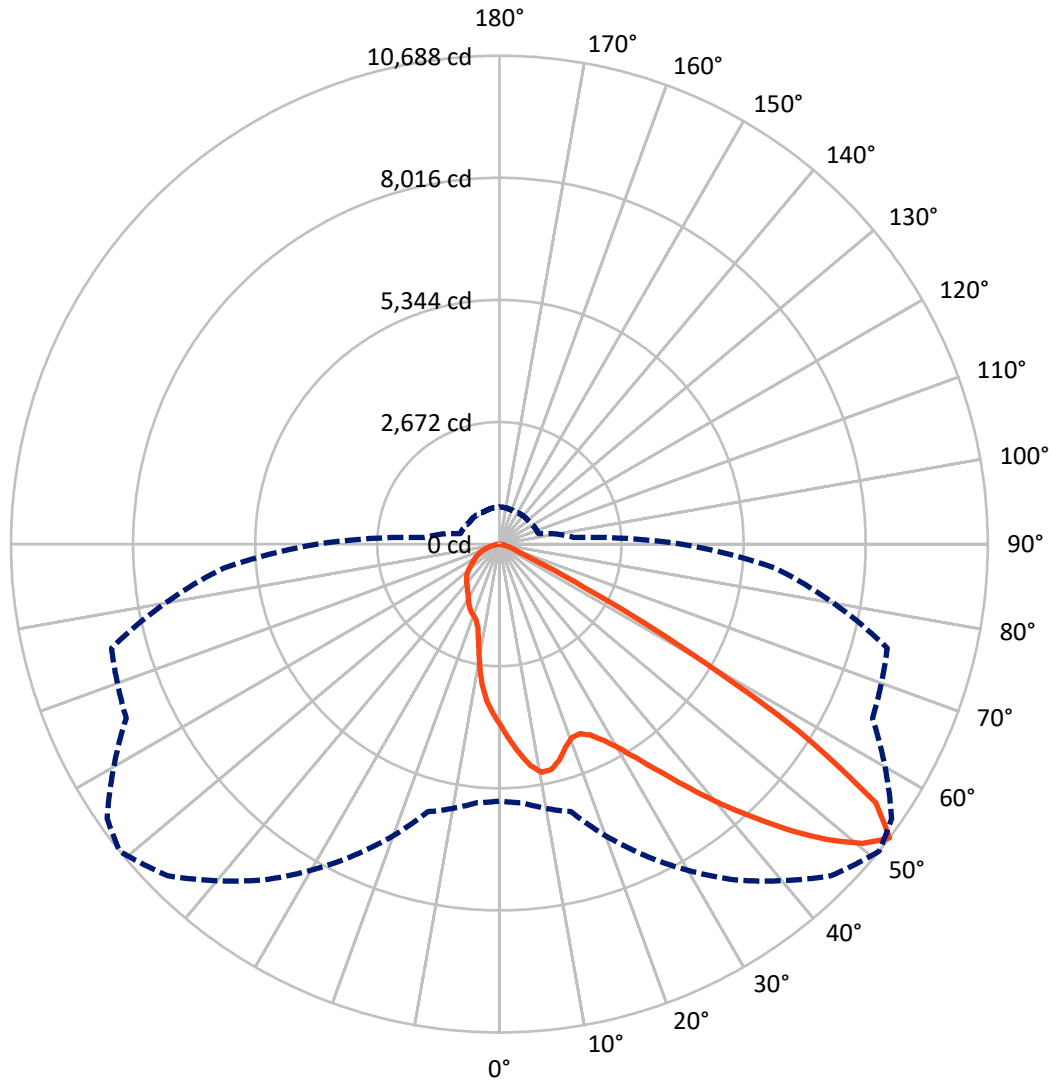
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.1 fc  
 Type II - Short - N/A

REPORT NUMBER: P633403  
CATALOG NUMBER: GWS-SA2E-760-U-AFL-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P633403  
 CATALOG NUMBER: GWS-SA2E-760-U-AFL-W-GRSWH

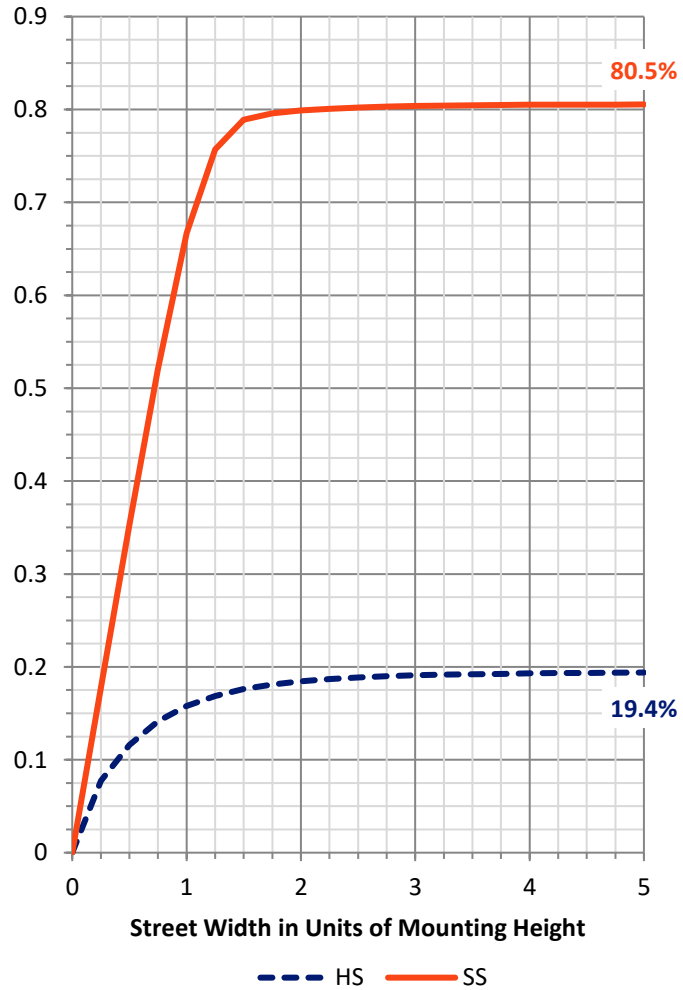
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2602.1	0.0	2602.1
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	10752.7	0.0	10752.7
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	13354.8	0.0	13354.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.1	2.8
10°-20°	964.1	7.2
20°-30°	1567.6	11.7
30°-40°	2484.3	18.6
40°-50°	3746.9	28.1
50°-60°	3241.4	24.3
60°-70°	734.8	5.5
70°-80°	216.7	1.6
80°-90°	27.9	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°	13354.8	100.0
0°-180°	13354.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633403

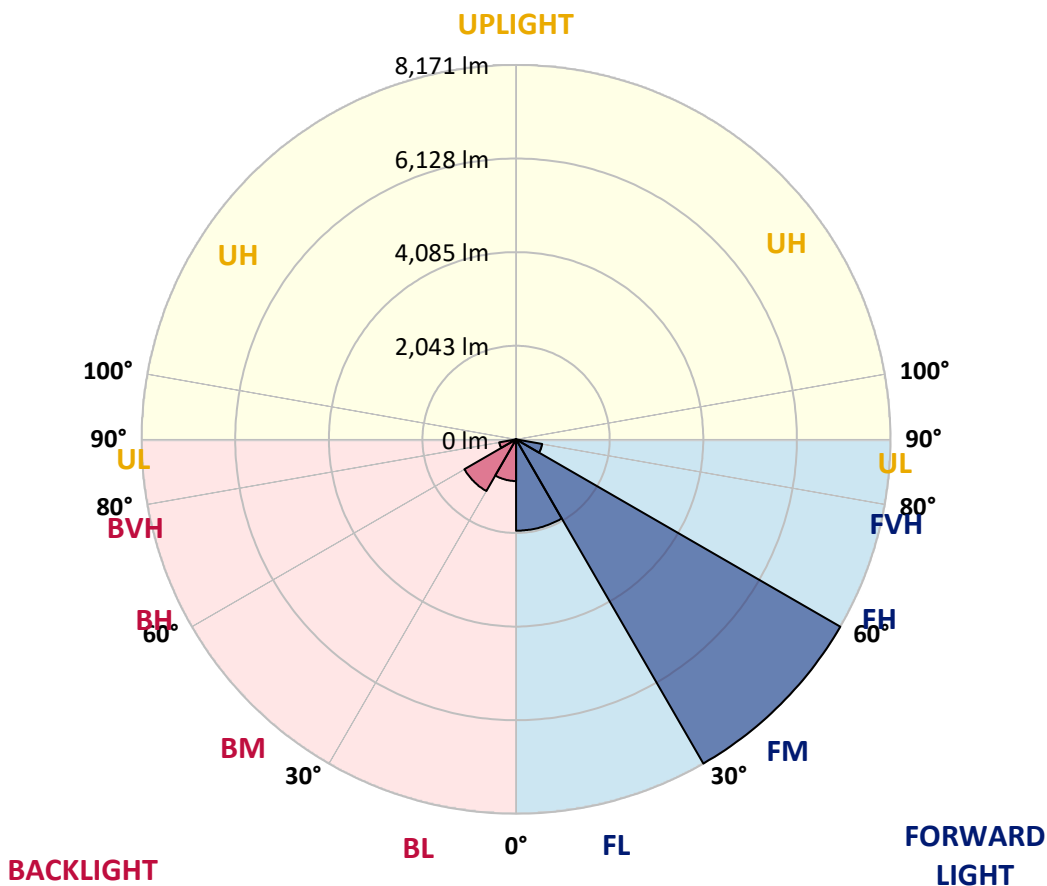
CATALOG NUMBER: GWS-SA2E-760-U-AFL-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1993.2	14.9			
FM (30°-60°)	8170.7	61.2			
FH (60°-80°)	578.3	4.3			G0/660
FVH (80°-90°)	10.5	0.1			G1/100
BL (0°-30°)	909.6	6.8	B2/1000		
BM (30°-60°)	1301.9	9.7	B2/2500		
BH (60°-80°)	373.2	2.8	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: P633403

CATALOG NUMBER: GWS-SA2E-760-U-AFL-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4
2.5°	4431.2	4456.6	4417.5	4402.7	4378.5	4336.2	4287.7	4274.0	4169.5	4100.9	4023.9
5°	4876.6	4890.3	4858.6	4827.0	4766.8	4691.9	4598.0	4577.9	4388.0	4230.7	4067.1
7.5°	4975.8	4970.5	4997.9	5015.9	5008.5	4978.9	4895.6	4856.5	4629.6	4380.6	4138.9
10°	4583.2	4553.6	4655.0	4775.3	4919.8	5086.6	5077.1	5073.9	4876.6	4582.1	4230.7
12.5°	4062.9	4048.2	4130.5	4281.4	4554.7	4924.1	5062.3	5169.9	5099.2	4774.2	4333.1
15°	3765.3	3760.1	3816.0	3924.7	4142.1	4608.5	4904.0	5117.2	5290.2	4980.0	4441.8
17.5°	3711.5	3714.7	3733.7	3795.9	3952.1	4336.2	4678.2	4975.8	5439.0	5205.8	4577.9
20°	3868.7	3889.9	3857.1	3866.6	3951.1	4238.1	4524.1	4833.3	5534.0	5432.7	4724.6
22.5°	4218.1	4210.7	4138.9	4096.7	4097.8	4298.3	4507.2	4766.8	5596.3	5653.3	4857.6
25°	4613.8	4605.4	4519.9	4426.0	4366.9	4461.8	4628.6	4837.5	5652.2	5854.8	4964.2
27.5°	5081.3	5054.9	4959.9	4839.6	4708.8	4749.9	4862.8	5028.5	5738.8	6053.2	5034.9
30°	5534.0	5564.6	5428.5	5286.0	5147.8	5122.5	5187.9	5337.7	5915.0	6285.4	5119.3
32.5°	6134.5	6123.9	5973.0	5787.3	5590.0	5571.0	5622.7	5759.9	6231.6	6606.2	5248.0
35°	6861.6	6863.7	6649.5	6398.3	6117.6	6066.9	6153.5	6286.5	6703.3	7041.0	5451.7
37.5°	7617.2	7614.0	7427.2	7142.3	6759.2	6687.5	6786.7	6885.9	7293.2	7633.0	5768.3
40°	8147.0	8168.1	8080.5	7930.6	7567.6	7392.4	7480.0	7548.6	7934.8	8329.5	6185.1
42.5°	8447.7	8479.4	8498.4	8588.1	8397.1	8210.3	8178.6	8214.5	8507.9	8976.4	6576.7
45°	8512.1	8554.3	8692.5	9025.0	9098.8	9046.1	8942.7	8856.1	8935.3	9435.5	6833.1
47.5°	8228.2	8302.1	8597.6	9179.0	9610.7	9776.3	9661.3	9529.4	9182.2	9553.7	6806.7
50°	7103.3	7189.8	7855.7	8864.6	9683.5	10287.1	10297.7	10102.4	9152.7	9212.8	6475.4
52.5°	5623.7	5682.8	6063.8	7514.8	8969.0	10266.0	10688.1	10479.2	9010.2	8786.5	6060.6
55°	3361.1	3456.1	3811.8	4957.8	6987.2	9098.8	9998.0	10099.3	8940.5	8428.7	5777.8
57.5°	1134.5	1180.9	1520.7	2189.8	4117.8	6662.1	7724.8	8136.4	8116.4	7882.1	5225.9
60°	540.3	550.9	619.5	830.5	1648.4	3481.5	4572.6	5047.5	5480.2	5523.5	3251.4
62.5°	411.6	417.9	452.7	498.1	662.7	1466.9	2095.8	2458.9	2626.7	2254.1	1184.1
65°	344.0	349.3	375.7	404.2	450.6	635.3	804.1	927.6	835.8	651.1	564.6
67.5°	287.0	291.3	311.3	341.9	373.6	425.3	446.4	459.1	481.2	540.3	519.2
70°	224.8	229.0	250.1	276.5	307.1	319.8	339.8	352.5	396.8	472.8	470.7
72.5°	173.1	178.3	190.0	206.8	232.2	244.8	267.0	281.8	307.1	368.3	393.6
75°	126.6	129.8	140.4	145.6	148.8	145.6	167.8	184.7	218.4	241.7	248.0
77.5°	51.7	58.0	55.9	55.9	66.5	80.2	91.8	102.4	125.6	139.3	140.4
80°	21.1	23.2	27.4	30.6	36.9	47.5	54.9	59.1	69.7	78.1	84.4
82.5°	12.7	13.7	15.8	16.9	21.1	27.4	31.7	34.8	43.3	51.7	54.9
85°	6.3	6.3	7.4	8.4	10.6	12.7	14.8	16.9	22.2	27.4	30.6
87.5°	1.1	1.1	1.1	2.1	3.2	4.2	5.3	6.3	7.4	8.4	10.6
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: P633403

CATALOG NUMBER: GWS-SA2E-760-U-AFL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4
2.5°	3978.5	3921.5	3855.0	3802.3	3741.1	3695.7	3631.3	3591.2	3553.2	3521.6	3498.3
5°	3982.7	3886.7	3748.4	3626.0	3499.4	3379.1	3255.6	3155.4	3065.7	2990.7	2984.4
7.5°	4007.0	3868.7	3652.4	3438.2	3191.2	2952.7	2714.2	2520.1	2372.3	2295.3	2279.5
10°	4048.2	3866.6	3554.3	3212.3	2791.3	2407.2	2124.3	1976.6	1891.1	1860.5	1850.0
12.5°	4091.4	3861.4	3428.7	2893.6	2309.0	1972.4	1817.2	1799.3	1815.1	1817.2	1816.2
15°	4144.2	3858.2	3270.4	2520.1	1956.5	1770.8	1781.4	1819.3	1856.3	1864.7	1864.7
17.5°	4208.6	3850.8	3055.1	2154.9	1736.0	1731.8	1787.7	1838.3	1873.2	1879.5	1879.5
20°	4276.1	3831.8	2790.2	1857.3	1646.3	1707.5	1767.6	1806.7	1831.0	1839.4	1840.5
22.5°	4322.5	3781.2	2485.2	1636.8	1590.3	1661.1	1704.3	1744.4	1744.4	1723.3	1717.0
25°	4332.0	3672.5	2154.9	1485.9	1523.9	1589.3	1633.6	1610.4	1567.1	1550.2	1549.2
27.5°	4297.2	3514.2	1828.8	1378.2	1443.7	1509.1	1501.7	1467.9	1448.9	1432.0	1438.4
30°	4255.0	3324.2	1546.0	1289.6	1350.8	1415.2	1389.8	1378.2	1364.5	1345.5	1349.7
32.5°	4226.5	3112.1	1328.6	1221.0	1288.5	1299.1	1317.0	1316.0	1303.3	1267.4	1265.3
35°	4234.9	2897.9	1183.0	1165.1	1236.8	1232.6	1266.4	1260.0	1172.4	1122.8	1119.7
37.5°	4302.5	2692.1	1097.5	1120.7	1154.5	1180.9	1210.4	1134.5	1103.8	1072.2	1074.3
40°	4431.2	2501.1	1051.1	1096.5	1104.9	1144.0	1075.4	1074.3	1060.6	1032.1	1031.0
42.5°	4576.9	2339.6	1019.4	1084.9	1073.2	1080.6	1007.8	1016.3	1015.2	997.3	992.0
45°	4665.5	2190.8	994.1	1041.6	1044.8	970.9	948.7	958.2	963.5	954.0	952.9
47.5°	4573.7	2019.9	967.7	975.1	1002.5	921.3	893.8	894.9	904.4	905.5	901.2
50°	4316.2	1828.8	936.1	918.1	900.2	869.6	844.2	839.0	848.5	858.0	861.1
52.5°	3983.8	1646.3	883.3	855.9	813.6	813.6	802.0	785.1	797.8	810.5	814.7
55°	3740.0	1511.2	808.4	777.8	731.3	747.2	745.0	730.3	747.2	756.7	759.8
57.5°	3240.8	1214.7	711.3	701.8	662.7	681.7	685.9	667.0	658.5	660.6	663.8
60°	1923.8	784.1	641.6	640.6	605.7	627.9	640.6	621.6	596.2	599.4	603.6
62.5°	863.2	599.4	554.0	549.8	548.8	577.3	591.0	573.0	537.2	540.3	544.5
65°	543.5	518.2	481.2	481.2	498.1	522.4	532.9	518.2	477.0	471.7	475.9
67.5°	504.4	482.3	444.3	436.9	445.3	465.4	466.4	438.0	413.7	409.5	409.5
70°	452.7	435.8	398.9	384.1	381.0	379.9	376.7	369.4	353.5	349.3	351.4
72.5°	374.6	363.0	339.8	324.0	315.5	314.5	301.8	295.5	281.8	279.7	278.6
75°	248.0	251.2	251.2	249.1	241.7	238.5	224.8	218.4	202.6	196.3	195.2
77.5°	146.7	149.9	154.1	155.1	154.1	154.1	141.4	134.0	118.2	109.8	107.6
80°	89.7	91.8	93.9	97.1	92.9	89.7	78.1	70.7	63.3	58.0	57.0
82.5°	58.0	60.2	61.2	63.3	61.2	57.0	47.5	43.3	38.0	33.8	32.7
85°	32.7	33.8	35.9	35.9	32.7	29.5	24.3	21.1	17.9	15.8	15.8
87.5°	11.6	11.6	11.6	12.7	10.6	9.5	6.3	4.2	3.2	3.2	3.2
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)