

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: P383335

Luminaire Tested: **GLEON-SA6C-735-U-SL3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383335  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA6C-735-U-SL3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39411 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

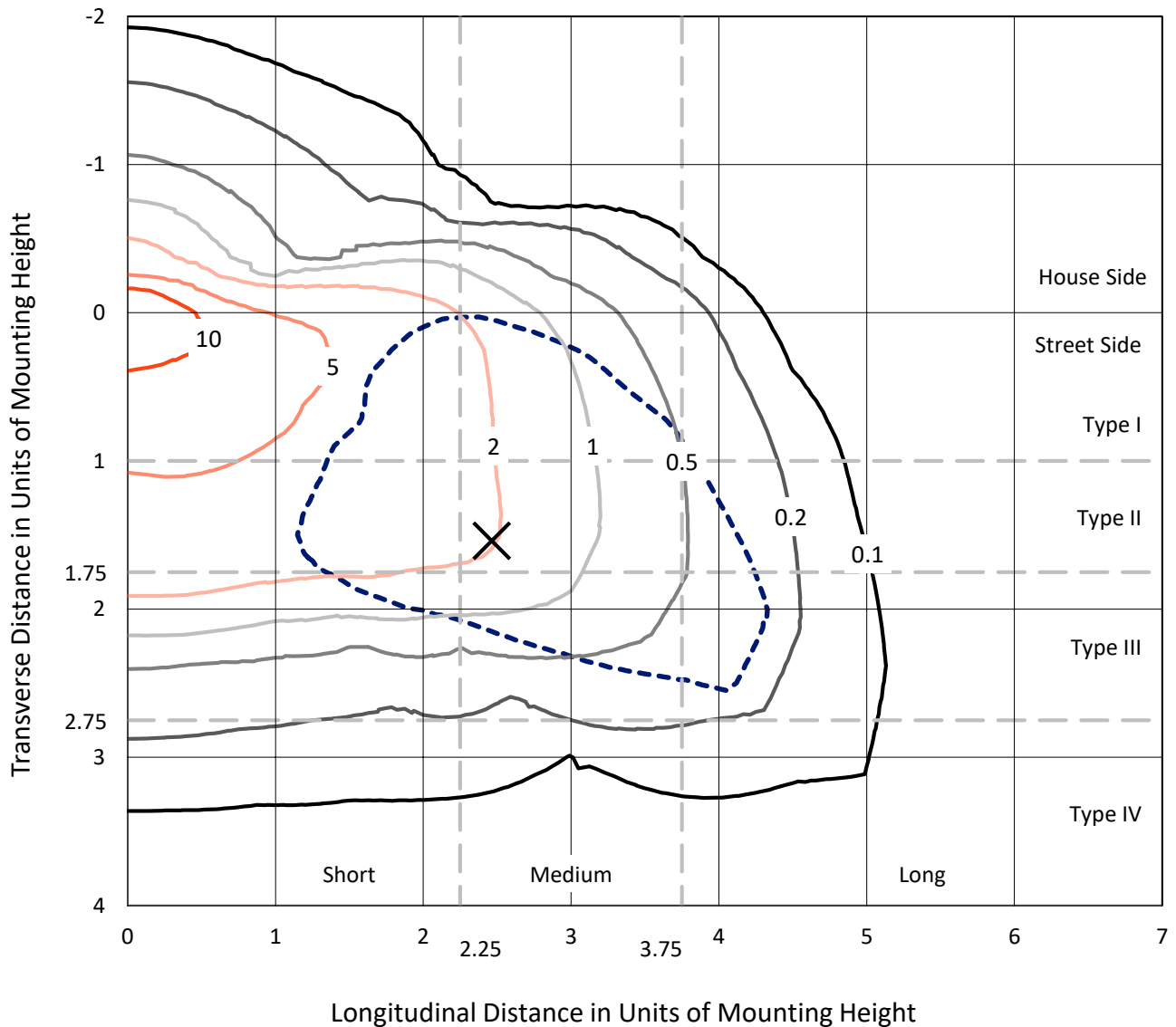
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

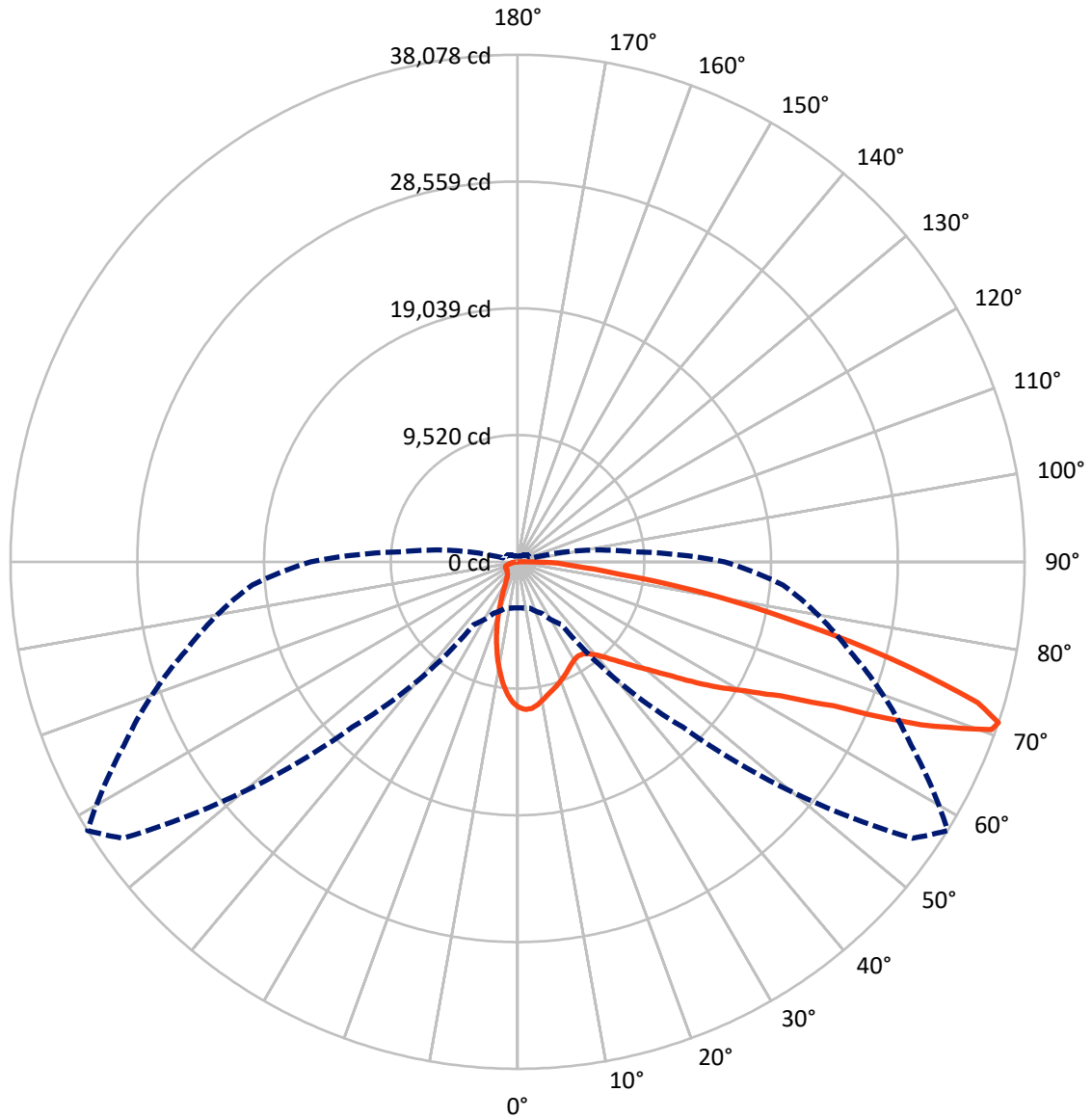
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5892.2	0.0	5892.2
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	33518.8	0.0	33518.8
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	39411.0	0.0	39411.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	942.0	2.4
10°-20°	2094.7	5.3
20°-30°	2662.2	6.8
30°-40°	3391.0	8.6
40°-50°	4808.7	12.2
50°-60°	7441.6	18.9
60°-70°	10130.8	25.7
70°-80°	6758.4	17.1
80°-90°	1181.6	3.0
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°	39411.0	100.0
0°-180°	39411.0	100.0

**Coefficient of Utilization**

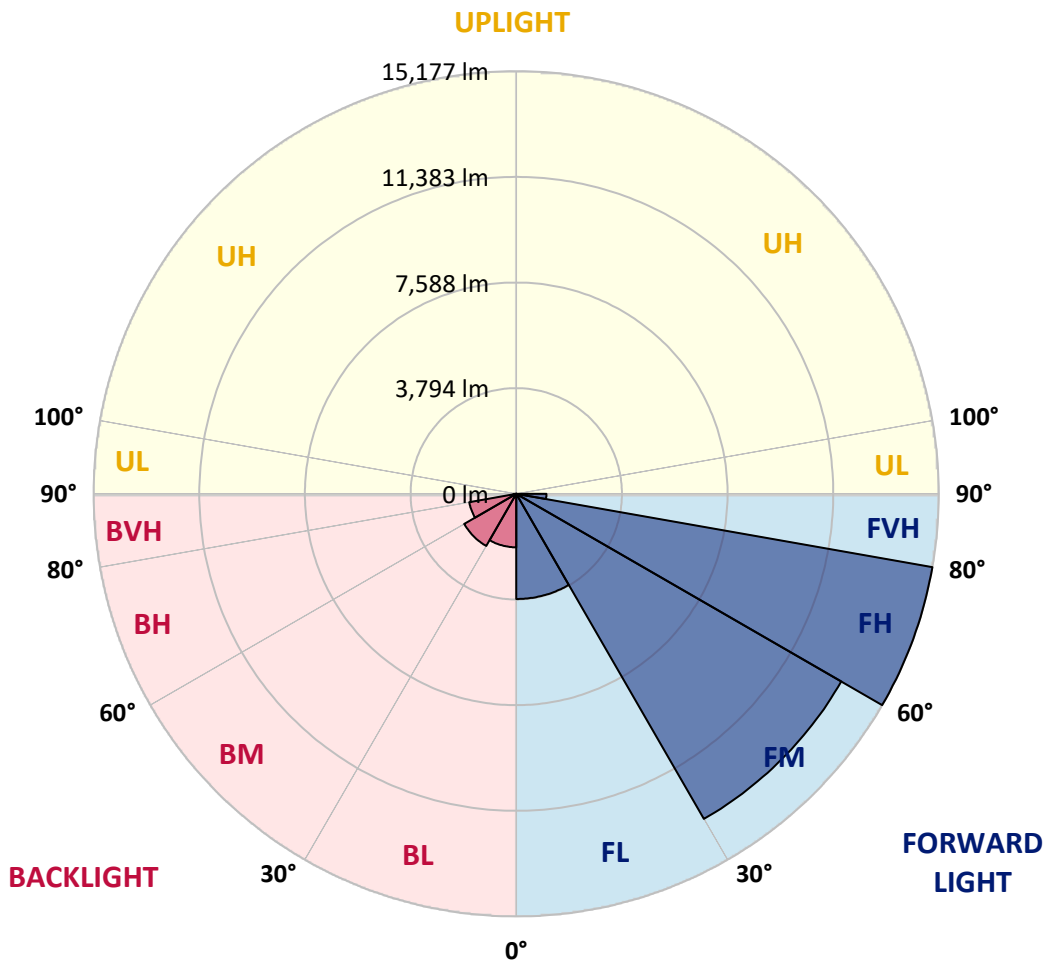


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3778.2	9.6			
FM (30°-60°)	13480.5	34.2			
FH (60°-80°)	15176.7	38.5			G5
FVH (80°-90°)	1083.4	2.7			G5
BL (0°-30°)	1920.7	4.9	B3/2500		
BM (30°-60°)	2160.8	5.5	B2/2500		
BH (60°-80°)	1712.5	4.3	B3/2500		G3/2500
BVH (80°-90°)	98.2	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-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10919.5	10919.5	10919.5	10919.5	10919.5	10919.5	10919.5	10919.5	10919.5	10919.5	10919.5
2.5°	11209.1	11194.0	11199.5	11188.5	11162.5	11136.4	11097.9	11104.8	11051.2	10971.7	10872.8
5°	10997.8	10992.3	11033.4	11056.7	11076.0	11060.9	11049.9	11063.6	10985.4	10875.5	10703.9
7.5°	10554.3	10493.9	10546.1	10624.3	10698.5	10754.7	10828.9	10838.5	10789.1	10673.8	10448.6
10°	9924.1	9866.5	9943.4	10065.6	10213.9	10348.4	10498.0	10525.5	10535.1	10430.7	10157.6
12.5°	9270.7	9226.8	9303.6	9475.2	9721.0	9928.3	10167.2	10208.4	10293.5	10223.5	9888.5
15°	8685.8	8669.4	8762.8	8931.6	9214.4	9531.5	9876.1	9951.6	10095.7	10072.5	9678.4
17.5°	8180.7	8176.6	8247.9	8425.0	8738.0	9138.9	9586.5	9714.2	9928.3	9955.7	9505.4
20°	7804.5	7796.3	7845.7	7976.1	8298.8	8753.2	9273.5	9449.2	9758.1	9854.2	9327.0
22.5°	7602.7	7601.3	7602.7	7664.5	7928.1	8351.0	8968.7	9182.8	9592.0	9773.1	9129.4
25°	7568.4	7564.3	7534.1	7527.2	7676.9	8014.6	8666.7	8902.8	9434.1	9716.9	8941.3
27.5°	7657.6	7663.1	7623.3	7558.8	7589.0	7793.5	8404.4	8657.1	9307.7	9705.9	8810.9
30°	7843.0	7840.2	7805.9	7738.6	7679.6	7711.2	8217.7	8470.4	9222.7	9754.0	8721.6
32.5°	8047.5	8062.6	8055.7	8018.7	7930.8	7804.5	8161.5	8408.6	9197.9	9869.3	8683.1
35°	8293.3	8309.7	8359.1	8388.0	8285.0	8081.8	8282.3	8496.5	9269.4	10086.1	8744.9
37.5°	8526.6	8569.2	8707.8	8830.0	8742.2	8515.6	8603.5	8755.9	9490.3	10428.0	8911.0
40°	8795.7	8832.7	9059.3	9318.7	9305.0	9070.3	9121.1	9222.7	9880.3	10918.1	9211.7
42.5°	9060.7	9134.8	9462.9	9830.8	9936.5	9729.3	9810.2	9863.8	10429.4	11567.5	9736.1
45°	9413.5	9493.1	9948.9	10392.3	10639.4	10522.8	10651.8	10672.4	11119.9	12451.5	10498.0
47.5°	9947.5	10038.1	10569.4	11034.8	11412.3	11424.7	11637.5	11629.3	11982.0	13463.3	11457.7
50°	10779.4	10909.9	11345.0	11780.3	12238.8	12494.1	12778.3	12738.4	13015.8	14541.0	12562.8
52.5°	11869.5	11929.9	12252.5	12573.8	13143.5	13715.9	14123.7	14088.0	14188.2	15648.9	13817.6
55°	12999.3	13044.6	13177.8	13353.5	14119.6	15053.1	15915.2	15858.9	15604.9	16799.3	15057.2
57.5°	14015.2	14107.2	14199.2	14272.0	15102.5	16450.6	17747.9	17752.0	17142.5	18040.4	16338.0
60°	14173.1	14254.1	14862.3	15436.1	16784.2	18314.9	19709.7	19668.5	18733.6	19387.1	17765.7
62.5°	12528.5	12711.1	13726.9	15253.5	18404.1	21725.0	22212.4	22161.6	20636.4	21046.8	19428.3
65°	8978.3	9185.6	10411.5	12705.6	17618.9	25482.5	26729.0	26045.3	23231.0	23088.2	21374.9
67.5°	5179.7	5229.1	5760.4	7602.7	13415.3	25678.8	33619.2	32662.3	27260.3	25404.2	22327.7
70°	3830.2	3828.8	3955.2	4678.6	7259.6	20957.6	36896.2	37754.1	31502.3	26166.1	20981.0
71°	3463.7	3467.8	3609.2	4258.5	5749.4	17542.0	36200.1	38078.1	32619.8	25790.0	20006.2
72.5°	2962.6	2976.3	3172.6	3819.3	4836.5	12097.4	33201.8	36134.2	33149.7	24861.9	18481.0
75°	2247.4	2278.9	2550.7	3219.2	4420.5	6135.2	24367.7	28854.1	29448.5	21937.8	13732.4
77.5°	1603.5	1639.2	1946.7	2707.3	4202.2	4623.6	16318.9	21046.8	21671.4	14059.1	6194.2
80°	1013.2	1055.7	1287.7	2153.9	3948.3	4390.3	10255.0	14147.0	11817.3	4498.7	1576.0
82.5°	594.4	627.4	799.0	1407.1	3224.7	4228.3	6033.5	7841.6	4599.0	1359.1	716.6
85°	344.6	359.7	498.4	896.4	2342.0	3990.8	4432.9	4383.4	1996.1	664.5	339.1
87.5°	160.6	178.5	295.1	468.1	1300.1	2892.5	3503.5	3027.1	1241.0	311.6	159.3
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°	10919.5	10919.5	10919.5	10919.5	10919.5	10919.5	10919.5	10919.5	10919.5	10919.5	10919.5
2.5°	10824.8	10801.4	10703.9	10617.5	10526.9	10408.7	10278.3	10261.9	10182.3	10197.4	10169.9
5°	10610.6	10551.5	10316.8	10104.0	9852.8	9627.6	9383.3	9270.7	9108.7	9097.8	9056.5
7.5°	10304.4	10194.6	9830.8	9427.2	9023.6	8639.2	8258.9	8009.1	7753.7	7645.3	7635.7
10°	9959.8	9773.1	9237.8	8640.6	8058.5	7497.0	6953.4	6551.1	6188.7	6017.1	6010.3
12.5°	9633.1	9357.2	8622.8	7810.0	7013.8	6286.2	5540.8	5012.2	4557.8	4405.4	4340.9
15°	9355.8	8967.4	8024.2	6984.9	6018.4	5008.1	4159.6	3603.7	3183.6	3038.1	3010.6
17.5°	9086.8	8587.0	7410.6	6151.7	4983.4	3872.7	3023.0	2609.7	2386.0	2326.9	2325.6
20°	8819.1	8195.8	6769.5	5299.1	3982.6	2896.6	2324.2	2138.8	2063.4	2056.5	2045.5
22.5°	8515.6	7781.2	6095.4	4443.9	3108.1	2277.5	1975.5	1901.4	1891.8	1916.5	1916.5
25°	8231.4	7369.4	5411.7	3606.4	2417.6	1900.0	1764.1	1749.0	1775.1	1819.0	1823.1
27.5°	7966.5	6972.6	4744.5	2862.4	1937.1	1673.4	1617.2	1635.1	1681.7	1732.5	1733.9
30°	7748.2	6597.8	4096.5	2255.6	1636.4	1504.6	1495.0	1530.7	1581.5	1621.3	1631.0
32.5°	7579.4	6278.0	3470.5	1813.5	1440.1	1378.3	1386.5	1416.8	1448.4	1470.3	1485.4
35°	7501.1	6003.4	2892.5	1529.3	1315.2	1280.9	1291.9	1308.3	1322.1	1338.5	1350.8
37.5°	7514.9	5790.6	2376.4	1352.2	1231.4	1213.6	1213.6	1213.6	1213.6	1221.8	1223.2
40°	7642.5	5668.4	1956.2	1239.7	1175.1	1156.0	1140.9	1127.1	1116.1	1121.6	1118.9
42.5°	7969.3	5657.4	1648.7	1168.3	1129.9	1098.3	1068.0	1048.8	1035.1	1040.6	1043.3
45°	8523.8	5794.7	1441.5	1117.5	1087.3	1039.2	1000.8	980.2	970.6	988.5	991.2
47.5°	9241.9	6094.0	1315.2	1080.4	1047.4	984.3	943.1	923.9	926.7	952.8	959.6
50°	10167.2	6580.0	1254.8	1057.1	1020.0	937.6	895.1	878.6	886.8	923.9	932.1
52.5°	11183.0	7280.1	1261.6	1050.2	1002.2	903.3	858.0	838.8	852.6	886.8	893.7
55°	12355.5	8121.7	1375.6	1059.8	976.1	881.3	827.8	794.9	805.9	837.5	843.0
57.5°	13658.3	9085.4	1604.9	1057.1	943.1	860.7	796.3	746.8	755.0	774.3	779.8
60°	15014.6	10249.5	1960.4	1065.3	928.0	836.1	753.7	691.9	689.2	705.6	708.3
62.5°	16642.8	11596.3	2366.8	1070.8	937.6	804.5	697.4	637.0	628.8	632.9	635.6
65°	18320.4	12571.0	2214.4	1048.8	967.9	778.4	648.0	583.4	568.3	565.6	566.9
67.5°	18372.5	11526.2	1552.7	1005.0	980.2	764.7	610.9	538.2	513.5	503.9	502.5
70°	16476.7	9364.1	1209.4	958.2	930.8	742.7	576.6	501.1	464.0	448.9	447.5
71°	15551.4	8620.0	1146.3	934.9	893.7	720.7	561.4	484.6	446.2	429.7	426.9
72.5°	14100.3	7727.7	1069.4	897.8	822.4	664.5	532.7	461.3	421.4	402.2	398.1
75°	10119.1	5053.4	918.4	800.4	681.0	530.0	466.8	414.6	380.3	357.0	354.2
77.5°	3898.8	2011.2	694.7	665.8	521.7	414.6	384.4	358.3	333.6	310.3	308.9
80°	1205.3	899.2	506.6	501.1	377.6	308.9	299.3	292.4	282.8	258.1	252.6
82.5°	643.9	516.2	348.7	324.0	247.1	206.0	216.9	219.7	221.1	195.0	192.2
85°	307.5	273.2	196.3	184.0	144.1	115.3	133.1	144.1	145.5	119.4	111.2
87.5°	146.9	142.8	91.9	70.1	53.6	38.5	46.7	57.7	63.2	45.3	39.8
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)