

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: P383291

Luminaire Tested: **GLEON-SA6A-735-U-T3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383291  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA6A-735-U-T3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25969.7 lumens  
Efficiency: N/A  
Efficacy: 134.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

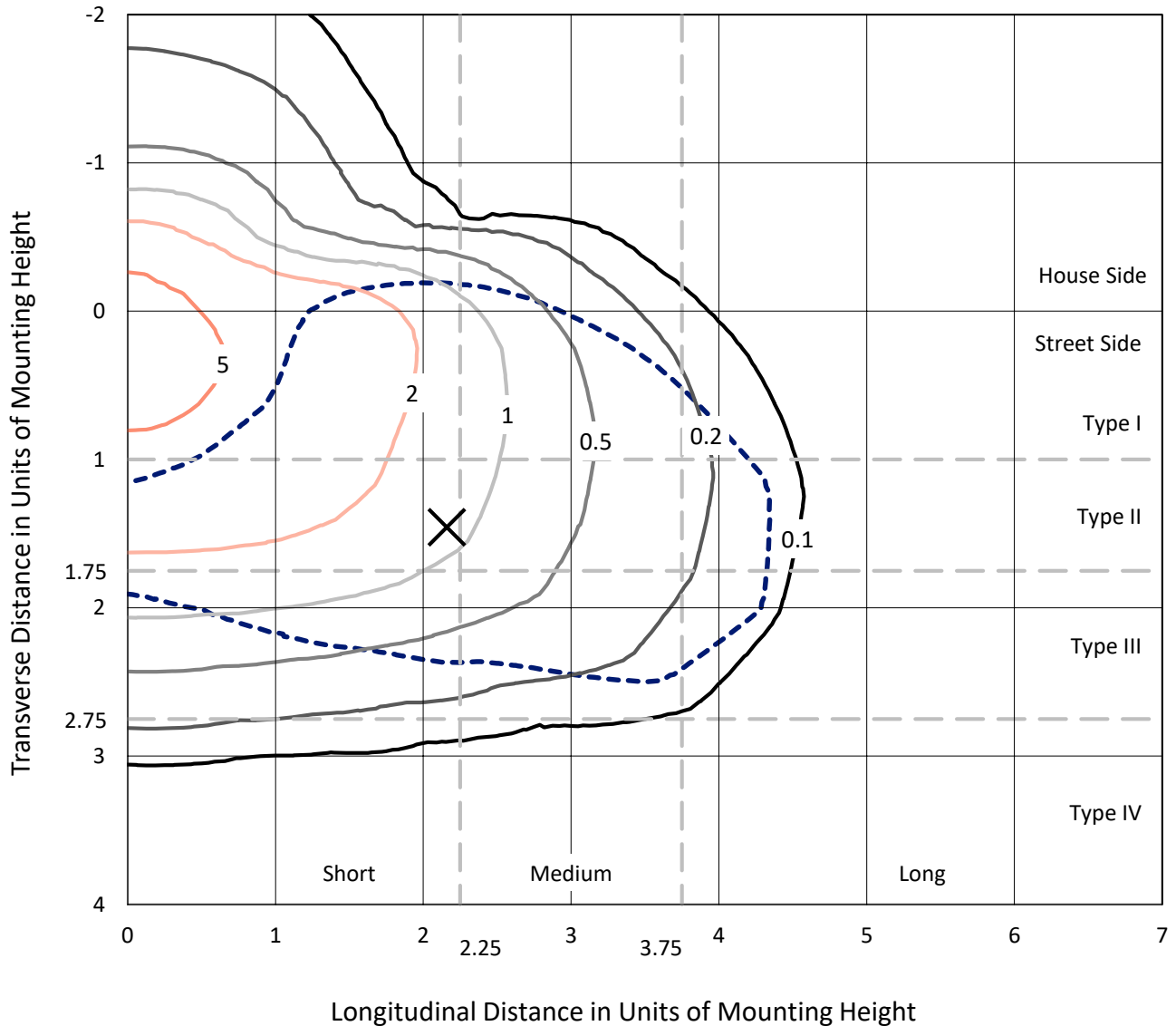
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P383291  
 CATALOG NUMBER: GLEON-SA6A-735-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

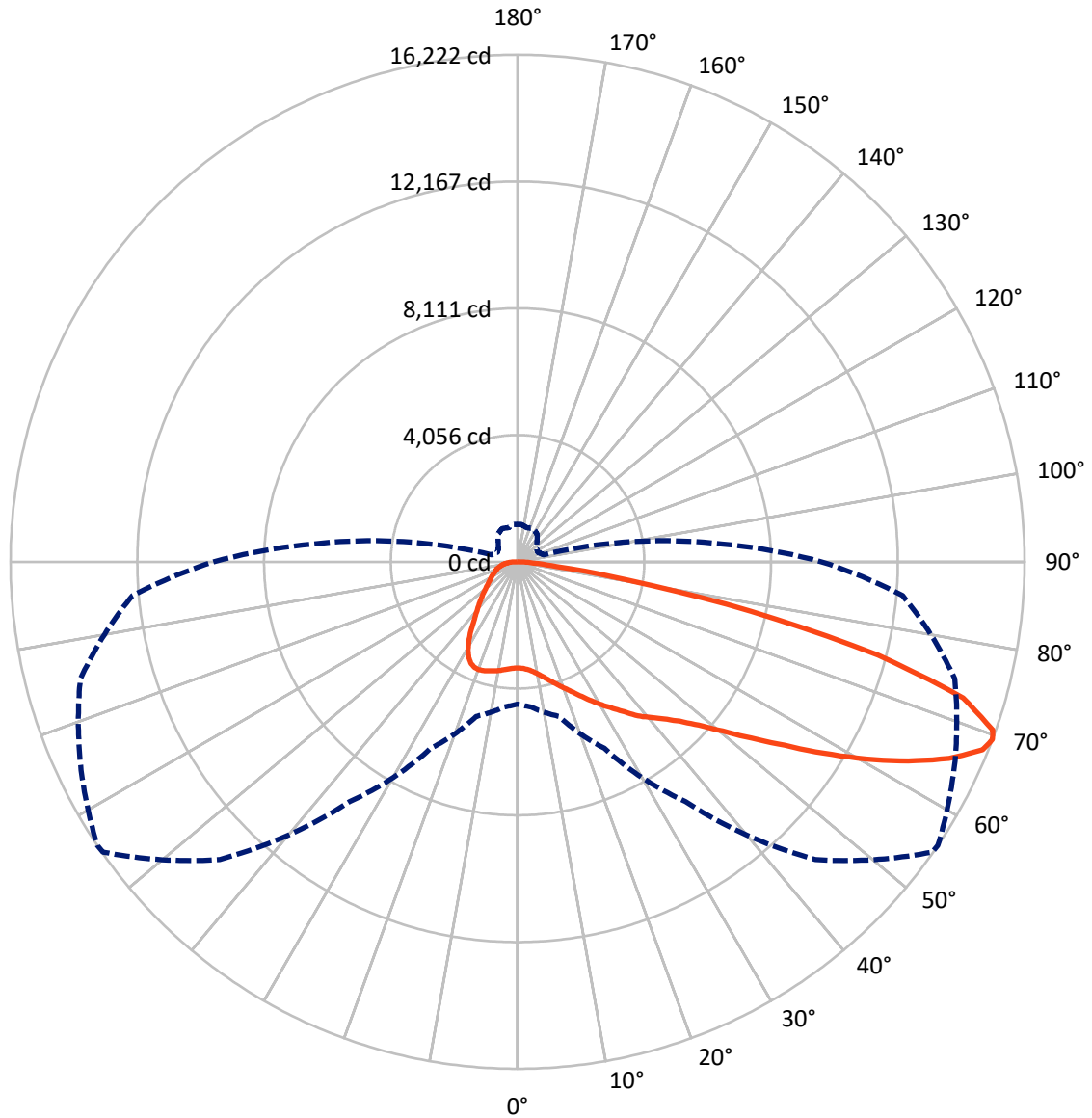
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P383291  
CATALOG NUMBER: GLEON-SA6A-735-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P383291  
 CATALOG NUMBER: GLEON-SA6A-735-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5783.4	0.0	5783.4
	% Fixture	22.3	0.0	22.3
<b>Street Side</b>	Lumens	20186.3	0.0	20186.3
	% Fixture	77.7	0.0	77.7
<b>Total</b>	Lumens	25969.7	0.0	25969.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	333.5	1.3
10°-20°	1072.3	4.1
20°-30°	1871.8	7.2
30°-40°	2688.7	10.4
40°-50°	3721.0	14.3
50°-60°	5451.9	21.0
60°-70°	6646.8	25.6
70°-80°	3674.8	14.2
80°-90°	509.0	2.0
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°	25969.7	100.0
0°-180°	25969.7	100.0

**Coefficient of Utilization**



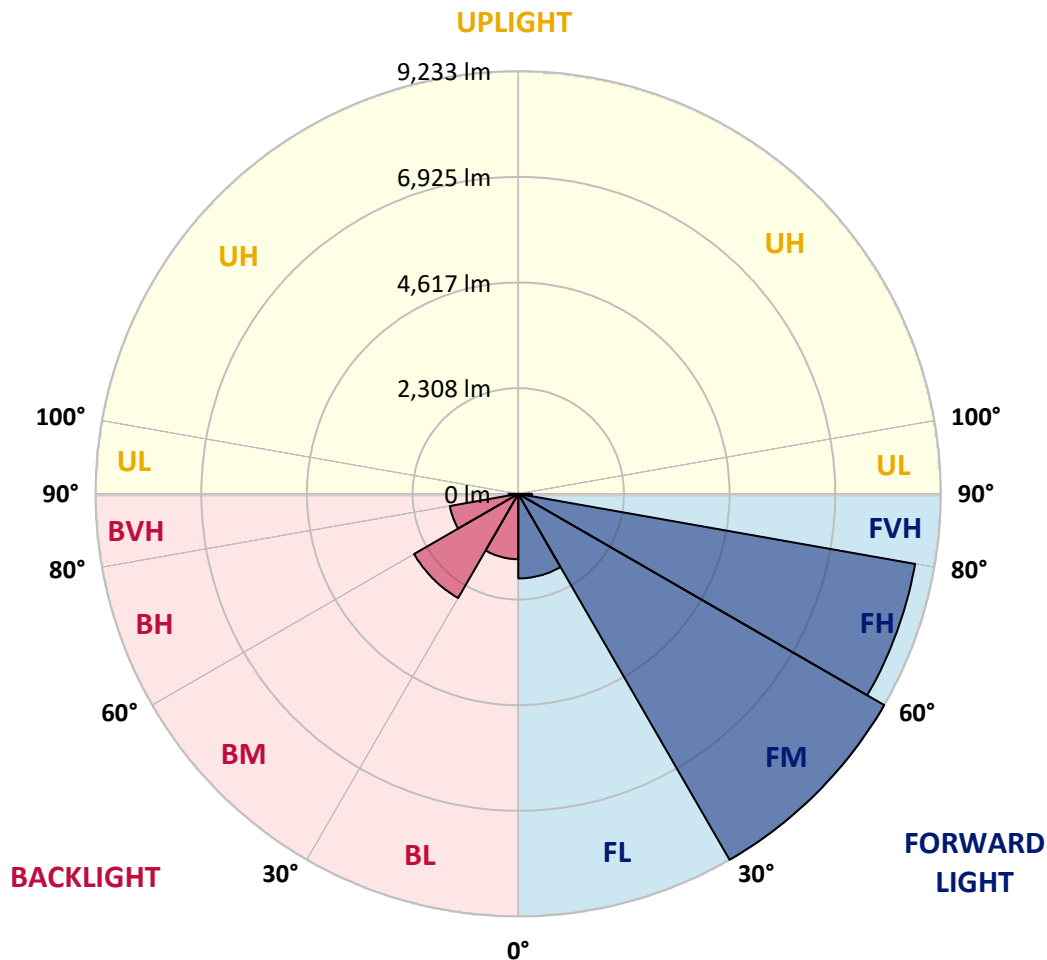
REPORT NUMBER: P383291  
 CATALOG NUMBER: GLEON-SA6A-735-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1848.3	7.1			
FM (30°-60°)	9233.2	35.6			
FH (60°-80°)	8805.0	33.9			G4/12000
FVH (80°-90°)	299.8	1.2			G3/500
BL (0°-30°)	1429.2	5.5	B3/2500		
BM (30°-60°)	2628.4	10.1	B3/5000		
BH (60°-80°)	1516.6	5.8	B3/2500		G3/2500
BVH (80°-90°)	209.2	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short





REPORT NUMBER: P383291

CATALOG NUMBER: GLEON-SA6A-735-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3395.1	3395.1	3395.1	3395.1	3395.1	3395.1	3395.1	3395.1	3395.1	3395.1	3395.1
2.5°	3416.6	3420.2	3417.5	3424.6	3416.6	3421.9	3417.5	3417.5	3414.9	3406.8	3397.8
5°	3470.3	3477.5	3473.0	3480.2	3470.3	3472.1	3464.1	3464.1	3455.9	3439.0	3421.1
7.5°	3554.4	3562.4	3558.9	3566.1	3552.6	3552.6	3541.8	3541.0	3524.9	3497.1	3476.5
10°	3654.6	3665.4	3661.7	3672.4	3661.7	3665.4	3654.6	3654.6	3633.1	3593.7	3567.8
12.5°	3800.4	3813.8	3804.0	3803.1	3798.7	3805.7	3796.8	3795.0	3775.4	3721.7	3685.9
15°	3995.4	4009.8	3989.2	3987.4	3962.3	3959.6	3959.6	3956.9	3944.5	3880.1	3821.0
17.5°	4220.0	4224.5	4206.6	4178.0	4145.8	4125.2	4122.5	4129.6	4129.6	4054.5	3960.6
20°	4440.0	4448.1	4433.8	4401.7	4360.5	4330.0	4308.6	4322.8	4322.0	4232.5	4099.2
22.5°	4679.8	4698.6	4677.1	4636.0	4587.7	4553.7	4516.1	4528.6	4529.6	4419.5	4235.2
25°	4990.3	4973.3	4959.8	4901.7	4832.9	4797.9	4763.0	4775.6	4771.9	4620.8	4375.7
27.5°	5264.9	5268.6	5250.6	5188.9	5109.3	5032.3	5030.5	5038.6	5025.1	4830.2	4508.0
30°	5584.3	5586.1	5561.1	5505.6	5418.8	5319.5	5296.2	5309.6	5281.0	5028.8	4647.7
32.5°	5901.9	5910.9	5883.1	5816.0	5746.3	5625.4	5578.9	5587.9	5516.3	5231.9	4791.7
35°	6180.2	6192.6	6183.7	6139.0	6063.0	5959.2	5903.7	5898.4	5809.8	5480.6	4982.2
37.5°	6463.7	6475.4	6465.5	6428.0	6397.6	6287.5	6258.0	6258.0	6104.1	5734.6	5224.7
40°	6755.4	6773.3	6761.6	6709.8	6683.9	6633.7	6563.0	6546.1	6379.6	6039.7	5620.1
42.5°	7026.5	7049.8	7096.3	7065.9	7013.1	7020.2	6878.0	6869.0	6747.4	6490.6	6116.6
45°	7411.2	7445.2	7523.9	7500.6	7489.9	7450.5	7281.4	7273.4	7226.9	7097.2	6733.0
47.5°	7830.8	7877.3	8019.5	8024.0	8139.4	8065.2	7835.2	7807.5	7818.2	7823.6	7485.5
50°	8217.3	8268.2	8501.8	8611.8	8883.7	8899.8	8532.1	8507.1	8549.2	8672.6	8362.1
52.5°	8525.9	8590.3	8881.9	9221.9	9688.0	9820.5	9390.1	9371.3	9402.7	9615.5	9353.4
55°	8752.3	8822.0	9139.6	9758.7	10503.0	10736.6	10377.8	10359.9	10379.6	10650.7	10431.5
57.5°	8805.0	8822.0	9282.8	10120.1	11191.0	11751.9	11586.4	11550.6	11454.0	11690.2	11621.3
60°	8557.2	8625.2	9164.7	10247.2	11723.3	12753.1	12849.7	12805.0	12533.9	12727.1	12671.7
62.5°	8054.4	8176.1	8723.6	10053.9	11931.7	13570.8	14088.7	14035.1	13568.1	13693.3	13426.7
65°	7233.1	7285.0	7860.3	9387.4	11667.0	14094.1	15193.6	15166.8	14579.0	14383.1	13566.2
67.5°	5764.1	5861.7	6350.2	7994.4	10583.6	14032.4	16048.0	16045.3	15239.3	14638.9	13071.6
69°	4553.7	4654.8	5120.0	6585.4	9365.0	13467.8	16191.1	16222.4	15425.3	14483.2	12364.8
70°	3630.4	3747.6	4067.0	5546.7	8283.4	12723.5	16072.2	16128.5	15389.5	14226.5	11712.5
72.5°	1545.1	1639.9	1867.1	2859.3	5048.4	9501.0	14695.3	14908.2	14560.2	13020.5	9680.0
75°	674.5	704.1	807.0	1165.7	2241.0	5171.0	11512.2	11905.8	12449.8	11005.9	7210.7
77.5°	493.8	506.4	562.7	684.4	1005.6	1953.0	7403.1	7632.2	8978.5	8008.8	4423.1
80°	382.0	391.0	434.8	502.8	656.6	790.0	3376.4	3573.1	5048.4	4113.5	1842.0
82.5°	304.2	310.5	340.9	370.4	453.6	478.6	1121.0	1243.5	1863.6	1136.2	487.6
85°	282.7	289.9	300.6	270.1	290.7	281.0	484.9	507.2	562.7	446.4	204.0
87.5°	127.9	151.2	297.9	210.3	154.7	123.4	198.6	207.5	233.5	234.4	90.4
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: P383291  
 CATALOG NUMBER: GLEON-SA6A-735-U-T3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3395.1	3395.1	3395.1	3395.1	3395.1	3395.1	3395.1	3395.1	3395.1	3395.1	3395.1
2.5°	3403.2	3400.5	3405.0	3394.3	3407.7	3406.8	3402.3	3404.1	3413.0	3412.2	3413.0
5°	3423.8	3421.9	3427.3	3419.3	3435.4	3440.8	3441.7	3449.7	3459.6	3462.3	3462.3
7.5°	3475.7	3475.7	3478.3	3467.6	3478.3	3477.5	3473.0	3481.0	3490.9	3491.7	3490.9
10°	3565.1	3566.1	3561.6	3533.8	3524.9	3500.8	3478.3	3479.2	3491.7	3501.6	3504.3
12.5°	3677.8	3674.3	3654.6	3603.6	3566.1	3516.8	3493.6	3492.7	3505.2	3513.2	3515.9
15°	3806.7	3796.8	3745.8	3662.7	3596.4	3548.2	3510.5	3501.6	3494.4	3485.5	3486.4
17.5°	3928.3	3906.0	3821.0	3705.6	3635.8	3571.4	3498.9	3440.8	3400.5	3377.2	3370.1
20°	4051.8	4008.0	3885.4	3745.8	3657.3	3540.1	3400.5	3282.4	3209.1	3175.1	3168.8
22.5°	4164.6	4093.9	3945.4	3787.9	3640.3	3434.5	3215.3	3043.6	2941.5	2895.9	2899.5
25°	4274.6	4176.1	4008.0	3817.4	3554.4	3248.4	2957.7	2746.6	2628.5	2577.4	2575.6
27.5°	4371.2	4259.4	4076.0	3793.3	3394.3	2983.7	2652.6	2446.8	2348.4	2304.6	2297.4
30°	4482.1	4364.0	4166.3	3701.1	3159.8	2677.6	2354.7	2209.7	2140.0	2096.2	2088.1
32.5°	4617.2	4506.3	4240.6	3533.8	2860.1	2358.3	2122.1	2021.0	1957.5	1908.3	1899.3
35°	4814.1	4694.2	4259.4	3294.0	2530.9	2105.9	1951.2	1847.4	1761.6	1698.0	1691.8
37.5°	5060.9	4929.5	4216.5	2983.7	2211.6	1942.3	1809.0	1681.0	1569.2	1479.8	1465.4
40°	5417.0	5218.4	4097.4	2625.8	1976.3	1816.1	1670.3	1524.5	1385.8	1281.2	1260.6
42.5°	5844.6	5557.5	3914.9	2269.7	1803.6	1688.2	1532.5	1351.8	1219.4	1145.2	1134.4
45°	6388.6	5909.9	3661.7	1958.4	1633.6	1560.2	1384.0	1217.6	1135.3	1080.7	1071.7
47.5°	7009.4	6305.4	3396.0	1705.2	1489.5	1440.4	1265.0	1157.6	1092.3	1049.4	1041.4
50°	7772.6	6751.9	3114.3	1497.6	1344.6	1296.3	1208.7	1124.6	1072.7	1039.6	1031.5
52.5°	8633.2	7255.5	2911.2	1333.9	1224.8	1189.9	1179.2	1106.7	1064.6	1039.6	1031.5
55°	9560.1	7768.1	2692.0	1196.1	1121.0	1130.8	1159.4	1108.4	1079.8	1049.4	1037.7
57.5°	10487.8	8297.8	2447.7	1079.8	1038.7	1087.0	1146.0	1112.0	1087.9	1058.3	1047.6
60°	11221.4	8633.2	2069.3	982.3	973.4	1038.7	1113.9	1085.2	1053.9	1054.8	1053.0
62.5°	11564.0	8615.3	1651.5	895.5	908.1	973.4	1062.0	1043.1	1017.2	1052.1	1054.8
65°	11371.7	8185.9	1285.6	816.8	838.3	905.4	1008.2	1022.6	1031.5	1098.6	1107.5
67.5°	10564.8	7350.4	995.7	747.9	774.8	858.9	1013.6	1113.9	1125.5	1196.1	1195.3
69°	9730.1	6566.7	865.1	712.2	743.5	870.4	1083.4	1172.0	1128.1	1203.3	1192.6
70°	9030.4	5946.6	795.4	687.9	729.1	891.0	1130.0	1171.0	1114.7	1179.2	1161.3
72.5°	6954.9	4278.1	674.5	643.2	680.8	852.6	1143.4	1145.2	1083.4	1096.0	1065.5
75°	4770.2	2703.6	588.6	582.4	607.5	768.5	1100.4	1094.1	1002.0	984.1	959.0
77.5°	2630.2	1373.3	500.1	524.3	541.2	680.8	1000.2	991.3	915.2	877.6	868.7
80°	1014.5	601.2	422.3	466.1	476.9	589.6	876.8	868.7	805.1	756.9	743.5
82.5°	382.9	315.0	348.9	403.5	399.9	486.6	742.5	738.1	676.3	605.7	584.2
85°	177.2	188.7	276.5	332.8	306.9	360.5	594.0	602.1	527.0	442.9	442.9
87.5°	75.2	105.5	195.9	251.4	206.6	243.3	435.7	416.0	382.0	264.8	248.7
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)