

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: P642350

Luminaire Tested: GWS-SA6C-760-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17967.3 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

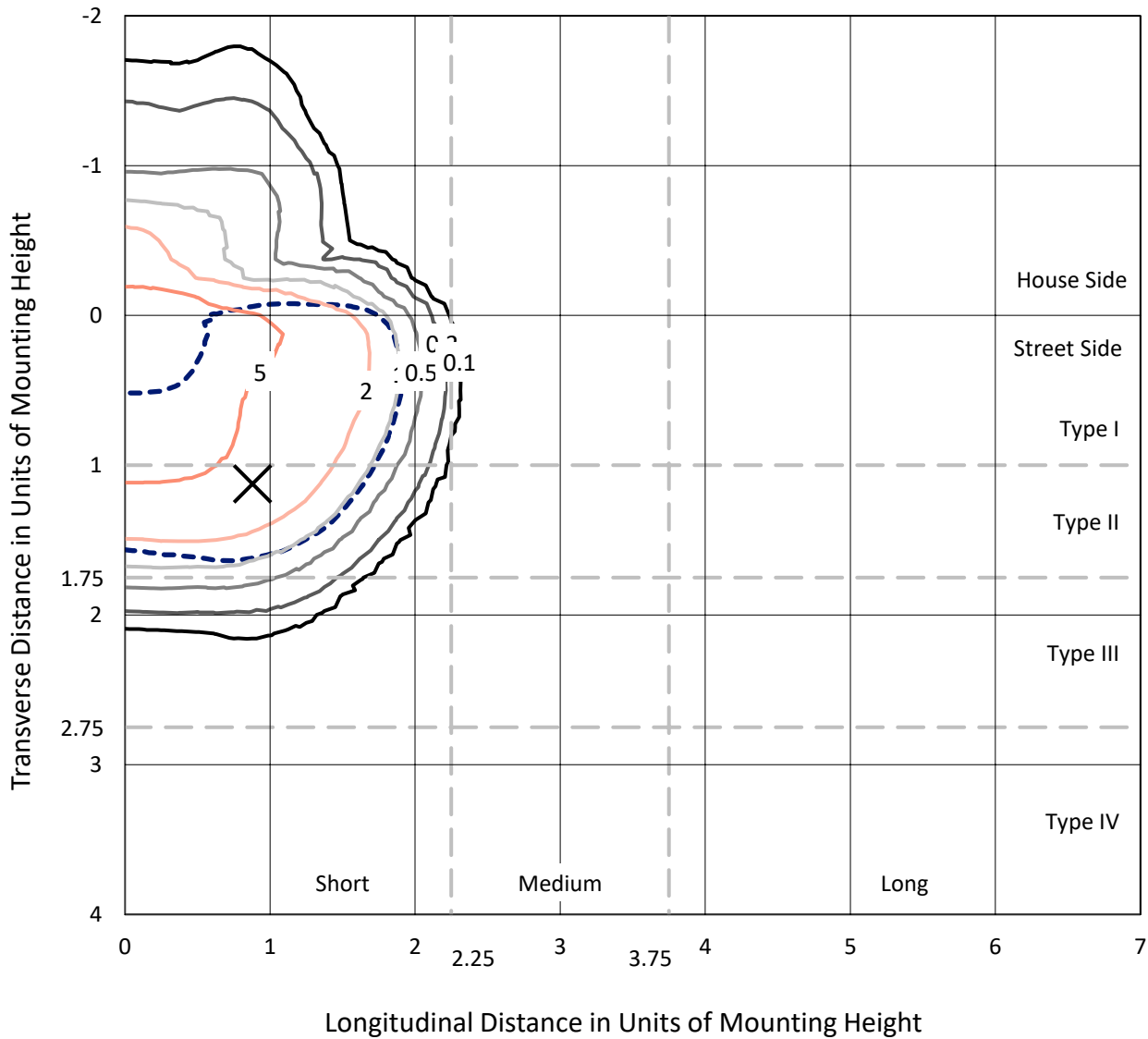
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

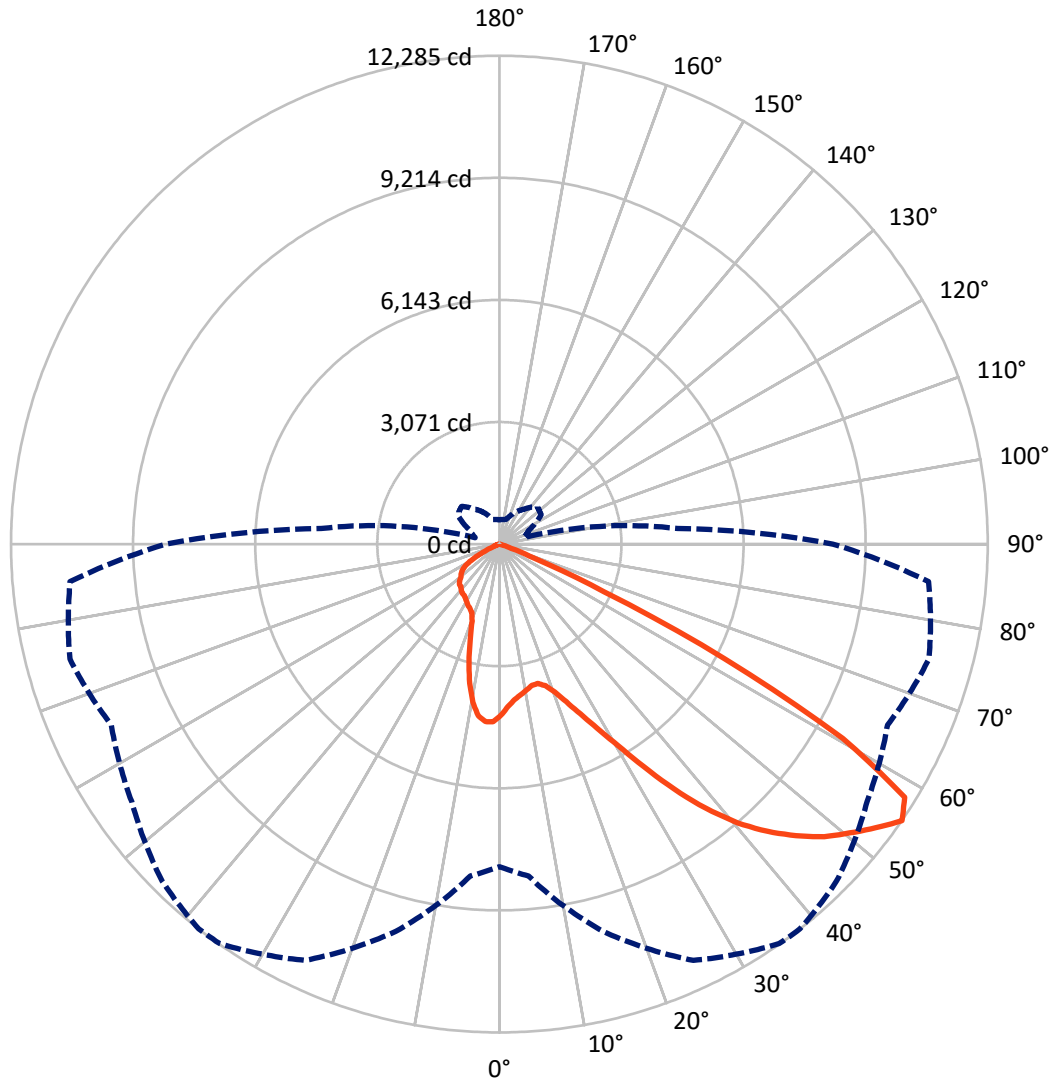
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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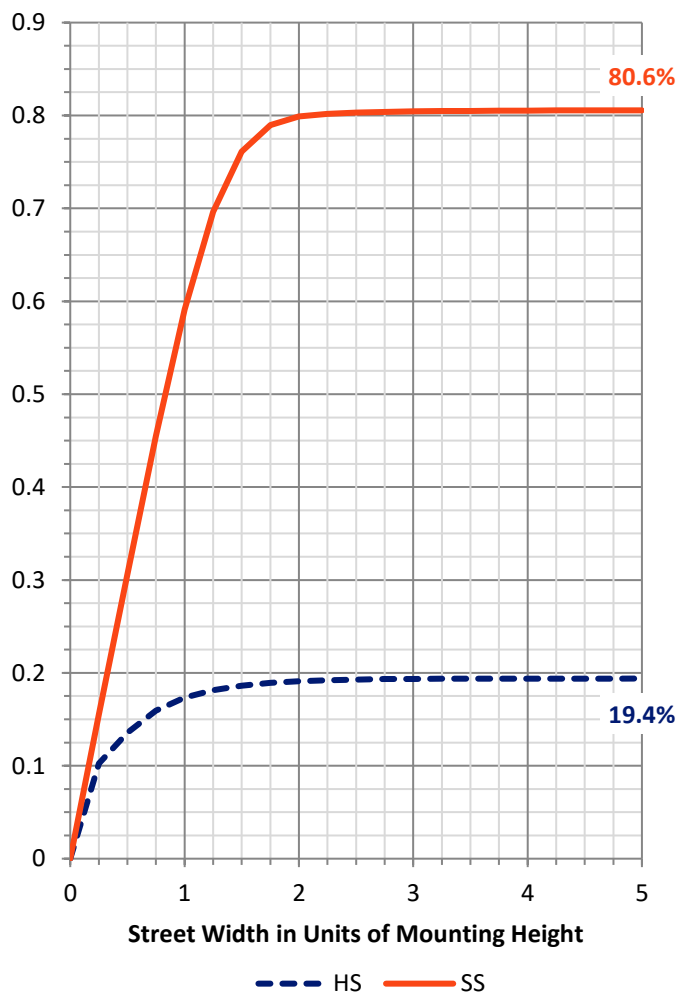
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3500.6	0.0	3500.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	14466.7	0.0	14466.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	17967.3	0.0	17967.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.4	2.2
10°-20°	1072.5	6.0
20°-30°	1840.5	10.2
30°-40°	3052.6	17.0
40°-50°	4487.5	25.0
50°-60°	5243.8	29.2
60°-70°	1777.5	9.9
70°-80°	90.9	0.5
80°-90°	3.6	0.0
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°	17967.3	100.0
0°-180°	17967.3	100.0

Coefficient of Utilization



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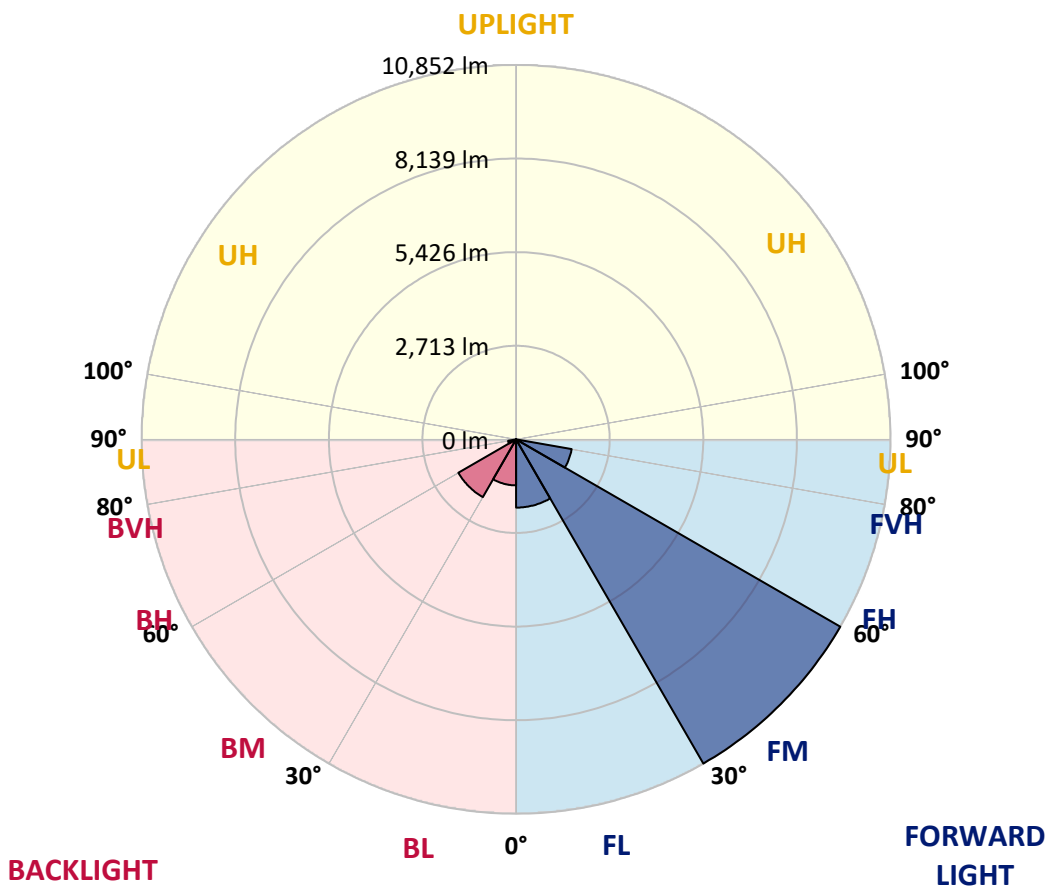
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1977.8	11.0			
FM (30°-60°)	10851.7	60.4			
FH (60°-80°)	1635.3	9.1			G1/1800
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	1333.7	7.4	B3/2500		
BM (30°-60°)	1932.2	10.8	B2/2500		
BH (60°-80°)	233.0	1.3	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	4308.7	4308.7	4308.7	4308.7	4308.7	4308.7	4308.7	4308.7	4308.7	4308.7	4308.7
2.5°	4013.0	4004.7	4021.2	4054.0	4084.8	4095.1	4125.9	4169.0	4195.7	4259.4	4310.7
5°	3832.2	3828.1	3844.6	3873.3	3914.4	3928.8	3976.0	4047.9	4119.8	4230.7	4339.5
7.5°	3667.9	3665.9	3690.5	3754.2	3813.8	3832.2	3889.7	3978.0	4074.6	4245.0	4405.2
10°	3452.3	3454.4	3501.6	3591.9	3700.8	3737.8	3830.2	3957.5	4082.8	4302.5	4524.3
12.5°	3382.5	3386.6	3411.2	3481.0	3600.2	3647.4	3776.8	3969.8	4130.0	4384.7	4678.4
15°	3552.9	3552.9	3532.4	3540.6	3594.0	3637.1	3772.7	4010.9	4210.1	4483.3	4830.3
17.5°	3883.6	3871.3	3819.9	3750.1	3731.6	3746.0	3854.8	4099.2	4323.1	4598.3	5002.9
20°	4331.3	4335.4	4234.8	4088.9	3971.9	3969.8	4035.6	4255.3	4485.3	4735.9	5189.7
22.5°	4873.5	4857.0	4723.5	4524.3	4321.0	4304.6	4331.3	4493.5	4719.4	4953.6	5419.8
25°	5501.9	5493.7	5304.7	5037.8	4768.7	4729.7	4729.7	4889.9	5054.2	5263.7	5695.0
27.5°	6159.1	6159.1	5976.3	5668.3	5310.9	5241.1	5230.8	5419.8	5528.6	5569.7	5927.0
30°	6834.8	6826.6	6645.8	6329.6	5947.6	5875.7	5846.9	5986.6	6064.6	5941.4	6216.6
32.5°	7520.7	7535.1	7352.3	7058.6	6717.7	6670.5	6582.2	6582.2	6645.8	6473.3	6672.5
35°	8258.0	8253.9	8110.1	7910.9	7619.3	7565.9	7420.1	7192.1	7288.6	7212.7	7303.0
37.5°	8909.0	8939.8	8870.0	8722.1	8486.0	8432.6	8192.3	7779.5	7853.4	7972.5	8052.6
40°	9570.3	9595.0	9664.8	9617.6	9319.8	9221.2	8794.0	8116.3	8198.4	8607.1	8837.1
42.5°	10219.3	10231.6	10373.3	10451.4	10052.9	9880.4	9249.9	8321.7	8407.9	9104.1	9506.7
45°	10632.1	10658.8	10892.9	11131.1	10699.9	10463.7	9646.3	8584.5	8621.5	9449.1	10001.6
47.5°	10615.7	10677.3	11116.8	11550.1	11256.4	11001.8	10122.8	9005.5	8943.9	9773.6	10328.1
50°	10285.0	10358.9	10989.4	11677.4	11656.9	11420.7	10652.6	9615.5	9422.4	10061.2	10369.2
52.5°	9599.1	9812.7	10765.6	11693.9	11979.3	11860.2	11307.8	10437.0	10069.4	10474.0	10434.9
55°	8116.3	8379.2	10085.8	11554.2	12271.0	12285.3	11995.8	11293.4	10771.7	11184.5	10839.5
57.5°	6161.1	6370.6	7763.0	10285.0	11788.3	12024.5	12262.7	11745.2	11205.1	11669.2	10934.0
60°	3713.1	3955.5	4861.1	7547.4	9521.0	9923.6	10858.0	10757.4	10106.3	10305.5	8966.5
62.5°	1505.4	1632.7	2244.7	4158.8	5992.7	6368.6	7264.0	7416.0	7255.8	7052.5	5438.2
65°	550.4	601.7	899.5	1719.0	2756.1	2893.7	3366.0	3635.1	3856.9	3283.9	2022.9
67.5°	340.9	373.8	585.3	883.1	1002.2	932.4	948.8	1131.6	1080.3	667.5	361.5
70°	252.6	279.3	458.0	612.0	404.6	312.2	211.5	225.9	203.3	178.7	176.6
72.5°	174.6	199.2	343.0	361.5	156.1	110.9	78.0	108.8	123.2	121.2	125.3
75°	115.0	133.5	215.6	141.7	39.0	30.8	26.7	57.5	73.9	73.9	76.0
77.5°	67.8	78.0	76.0	28.8	8.2	8.2	6.2	10.3	16.4	18.5	22.6
80°	8.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
82.5°	2.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2
85°	0.0	0.0	2.1	2.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2
87.5°	0.0	0.0	2.1	2.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2
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°	4308.7	4308.7	4308.7	4308.7	4308.7	4308.7	4308.7	4308.7	4308.7	4308.7	4308.7
2.5°	4349.8	4335.4	4395.0	4438.1	4473.0	4489.4	4466.8	4464.8	4464.8	4419.6	4407.3
5°	4401.1	4407.3	4491.5	4528.4	4534.6	4514.1	4462.7	4427.8	4407.3	4360.0	4333.3
7.5°	4499.7	4520.2	4600.3	4594.2	4538.7	4444.2	4308.7	4204.0	4136.2	4062.3	4017.1
10°	4641.4	4680.4	4729.7	4643.5	4466.8	4226.5	3947.2	3748.0	3628.9	3544.7	3493.4
12.5°	4813.9	4852.9	4836.5	4633.2	4265.6	3836.3	3476.9	3189.4	3051.8	2975.8	2922.4
15°	4988.5	5013.1	4906.3	4510.0	3910.3	3333.2	2932.7	2647.2	2478.8	2417.2	2372.0
17.5°	5167.1	5161.0	4918.6	4267.6	3435.9	2766.4	2372.0	2176.9	2129.7	2119.4	2115.3
20°	5354.0	5298.6	4869.4	3920.5	2864.9	2205.7	1981.8	1994.2	2080.4	2121.5	2129.7
22.5°	5567.6	5428.0	4746.1	3450.2	2281.7	1838.1	1860.7	1981.8	2098.9	2154.3	2162.6
25°	5795.6	5547.1	4540.8	2846.5	1799.1	1690.2	1823.7	1963.4	2088.6	2156.4	2164.6
27.5°	5945.5	5575.8	4204.0	2238.6	1544.4	1632.7	1774.4	1907.9	2037.3	2111.2	2121.5
30°	6107.8	5563.5	3746.0	1725.1	1458.1	1583.4	1706.6	1827.8	1946.9	2029.1	2037.3
32.5°	6346.0	5555.3	3187.4	1400.6	1423.2	1544.4	1634.8	1735.4	1817.5	1864.8	1858.6
35°	6658.1	5545.0	2536.3	1263.0	1402.7	1513.6	1585.5	1632.7	1542.3	1513.6	1519.7
37.5°	7058.6	5569.7	1988.0	1205.5	1396.5	1505.4	1567.0	1431.4	1291.8	1238.4	1230.2
40°	7502.2	5633.3	1515.6	1182.9	1417.1	1525.9	1497.2	1273.3	1100.8	996.1	973.5
42.5°	7947.9	5703.2	1199.4	1174.7	1452.0	1583.4	1382.2	1158.3	899.5	840.0	831.8
45°	8278.5	5690.8	1037.1	1160.3	1482.8	1616.3	1351.3	994.0	803.0	776.3	778.4
47.5°	8444.9	5555.3	948.8	1127.5	1495.1	1583.4	1275.4	926.2	737.3	766.0	790.7
50°	8356.6	5204.1	866.7	1063.8	1468.4	1540.3	1154.2	874.9	704.4	823.5	879.0
52.5°	8249.8	4772.8	776.3	965.2	1404.7	1480.7	1107.0	860.5	683.9	794.8	835.9
55°	8391.5	4499.7	628.4	813.3	1279.5	1341.1	1070.0	858.5	636.7	618.2	612.0
57.5°	8192.3	3955.5	449.8	585.3	981.7	1061.8	1043.3	844.1	564.8	562.7	570.9
60°	6331.6	2413.1	308.1	371.7	601.7	677.7	946.8	807.1	486.7	447.7	449.8
62.5°	3598.1	1026.9	211.5	230.0	308.1	365.6	722.9	733.2	449.8	427.2	449.8
65°	1252.8	367.6	164.3	154.0	170.5	195.1	414.9	566.8	408.7	369.7	373.8
67.5°	258.8	182.8	145.8	127.3	127.3	127.3	211.5	353.2	336.8	293.7	297.8
70°	164.3	156.1	127.3	108.8	104.7	96.5	121.2	195.1	232.1	213.6	215.6
72.5°	121.2	119.1	100.6	88.3	78.0	69.8	76.0	96.5	119.1	123.2	125.3
75°	73.9	76.0	65.7	55.5	49.3	43.1	45.2	45.2	45.2	41.1	45.2
77.5°	22.6	24.6	20.5	16.4	14.4	14.4	14.4	12.3	10.3	6.2	6.2
80°	6.2	6.2	6.2	6.2	6.2	4.1	4.1	2.1	2.1	0.0	0.0
82.5°	6.2	6.2	6.2	6.2	4.1	4.1	2.1	2.1	0.0	0.0	0.0
85°	6.2	6.2	6.2	6.2	4.1	4.1	2.1	2.1	0.0	0.0	0.0
87.5°	6.2	6.2	6.2	6.2	4.1	4.1	2.1	2.1	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)