

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: P641935

Luminaire Tested: GWS-SA6B-830-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-830-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14325.2 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

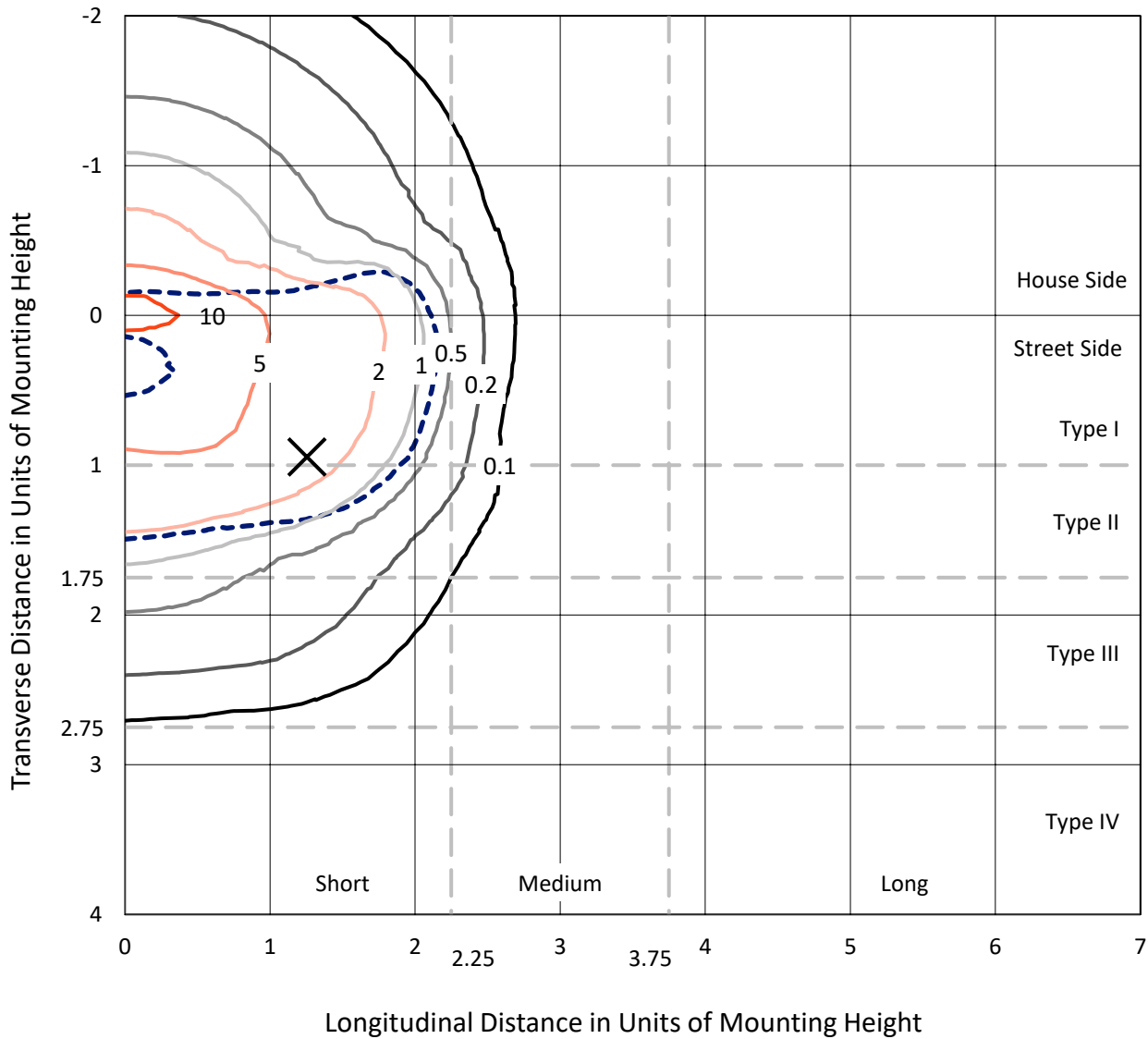
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

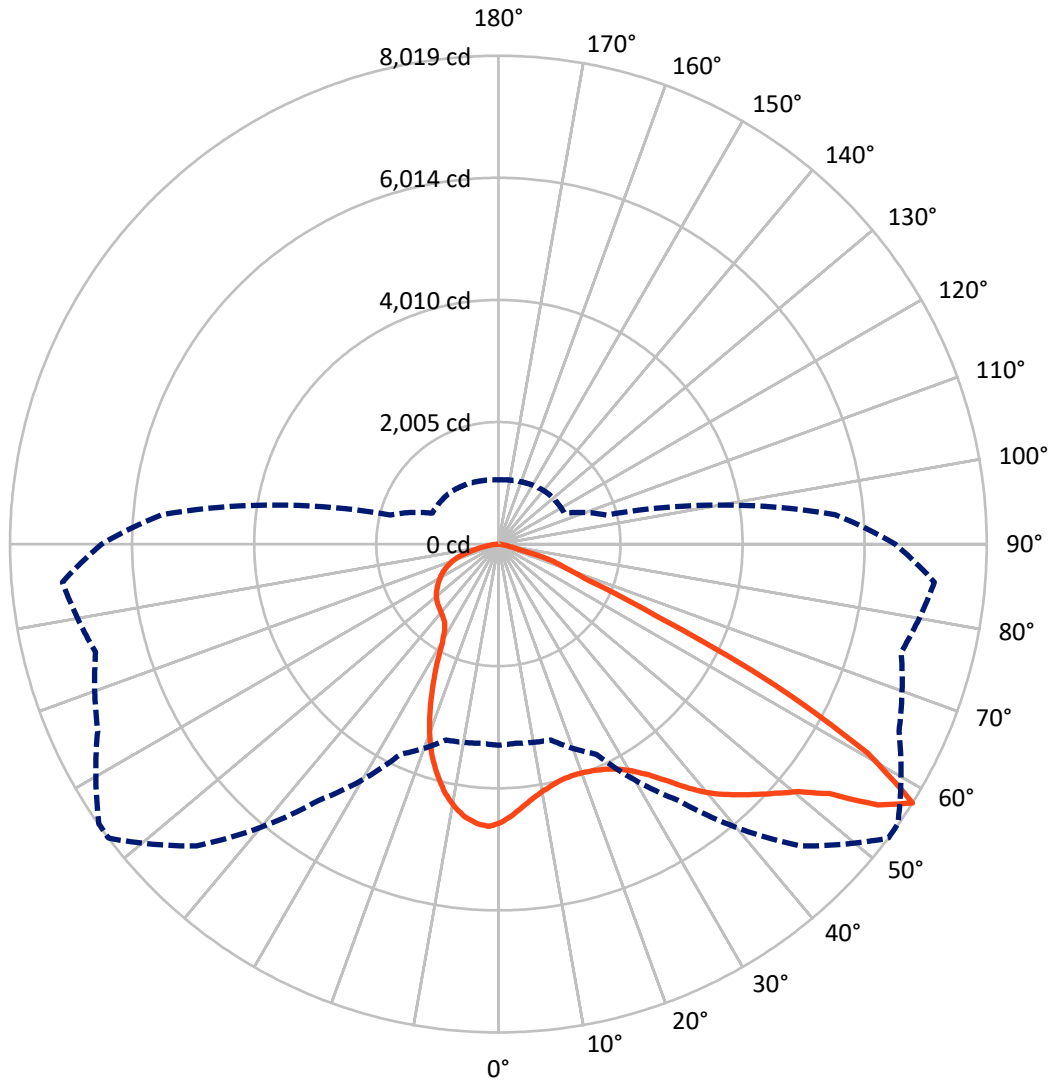
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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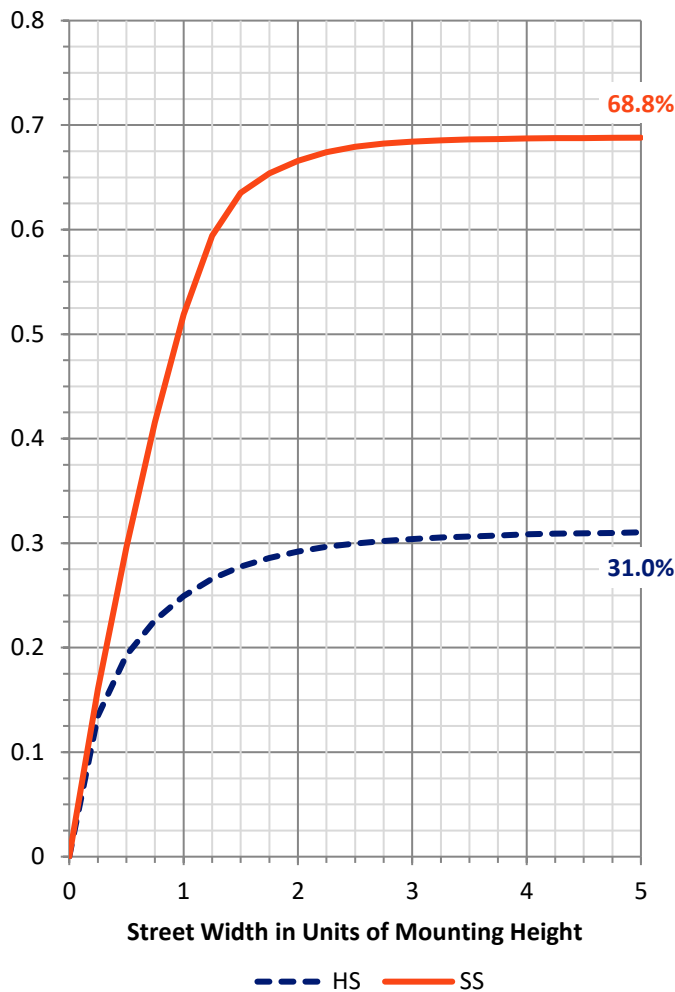
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4479.0	0.0	4479.0
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	9846.2	0.0	9846.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	14325.2	0.0	14325.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.7	2.9
10°-20°	1085.3	7.6
20°-30°	1599.0	11.2
30°-40°	2238.2	15.6
40°-50°	2942.2	20.5
50°-60°	3449.8	24.1
60°-70°	2032.3	14.2
70°-80°	505.6	3.5
80°-90°	59.3	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°	14325.2	100.0
0°-180°	14325.2	100.0

Coefficient of Utilization



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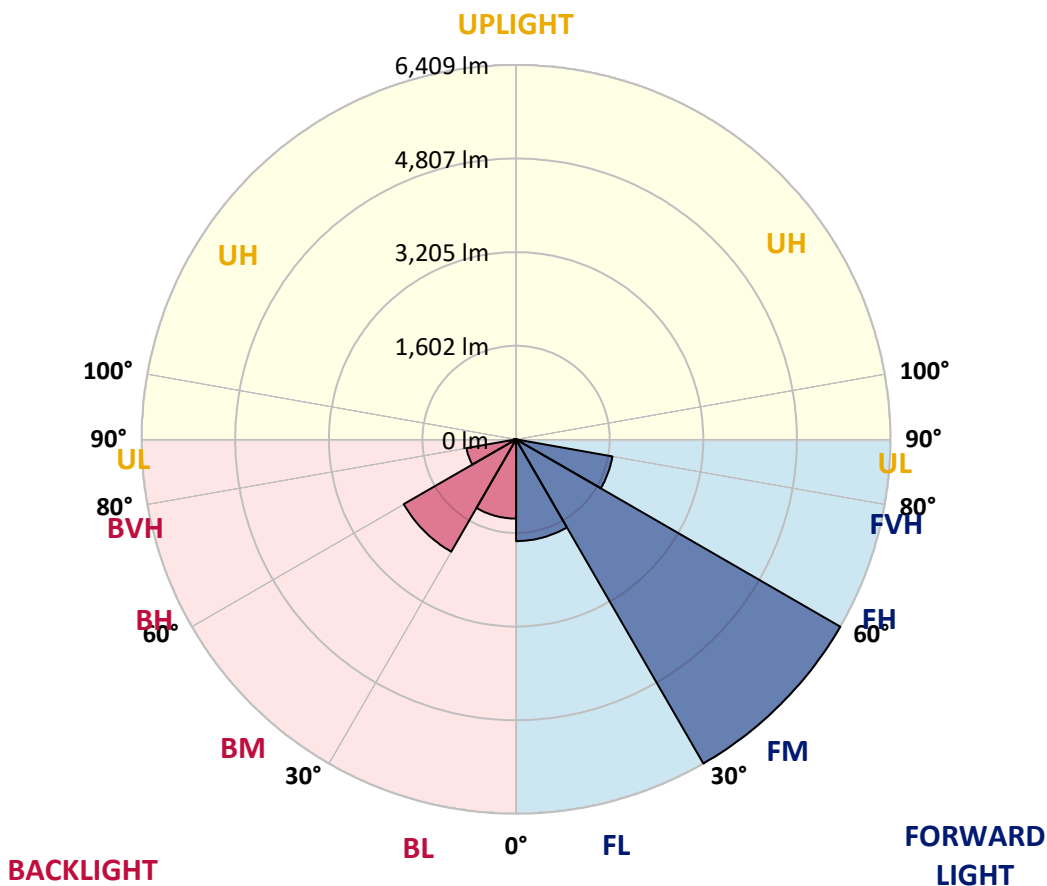
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1741.7	12.2			
FM (30°-60°)	6409.2	44.7			
FH (60°-80°)	1675.5	11.7			G1/1800
FVH (80°-90°)	19.8	0.1			G1/100
BL (0°-30°)	1356.3	9.5	B3/2500		
BM (30°-60°)	2220.9	15.5	B2/2500		
BH (60°-80°)	862.3	6.0	B2/1000		G2/1000
BVH (80°-90°)	39.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4
2.5°	4311.6	4323.6	4326.0	4363.4	4365.8	4420.1	4456.3	4449.0	4486.4	4532.2	4568.4
5°	4105.4	4106.6	4118.7	4163.3	4187.4	4258.5	4318.8	4318.8	4391.2	4485.2	4566.0
7.5°	3935.4	3934.2	3945.0	3994.5	4034.3	4119.9	4201.9	4211.5	4312.8	4450.2	4581.7
10°	3777.5	3785.9	3798.0	3858.2	3908.9	4015.0	4112.6	4128.3	4256.1	4426.1	4603.4
12.5°	3676.2	3677.4	3695.5	3763.0	3828.1	3941.4	4043.9	4063.2	4210.3	4403.2	4619.0
15°	3611.1	3612.3	3631.6	3706.3	3782.3	3896.8	4001.7	4023.4	4183.8	4399.6	4649.2
17.5°	3582.1	3580.9	3599.0	3673.8	3757.0	3876.3	3988.5	4015.0	4195.8	4427.3	4702.2
20°	3582.1	3583.3	3593.0	3660.5	3744.9	3871.5	4001.7	4034.3	4242.9	4490.0	4784.2
22.5°	3632.8	3637.6	3642.4	3688.2	3754.5	3878.7	4036.7	4080.1	4344.1	4594.9	4891.5
25°	3731.6	3732.8	3737.7	3775.0	3805.2	3899.2	4094.6	4159.7	4502.1	4748.0	5026.6
27.5°	3864.3	3881.1	3886.0	3910.1	3910.1	3949.9	4185.0	4279.0	4715.5	4968.7	5199.0
30°	4049.9	4056.0	4064.4	4090.9	4062.0	4045.1	4317.6	4438.2	4962.7	5235.1	5406.4
32.5°	4212.7	4226.0	4271.8	4315.2	4263.4	4210.3	4512.9	4655.2	5200.2	5512.5	5627.0
35°	4351.4	4383.9	4471.9	4568.4	4532.2	4479.2	4772.2	4920.5	5395.5	5711.4	5822.3
37.5°	4519.0	4544.3	4664.9	4821.6	4854.1	4828.8	5088.1	5194.2	5525.7	5762.0	5928.4
40°	4689.0	4727.5	4883.1	5100.1	5224.3	5242.4	5379.8	5451.0	5570.3	5663.2	5907.9
42.5°	4862.6	4928.9	5142.3	5395.5	5616.1	5657.1	5625.8	5655.9	5555.9	5526.9	5812.7
45°	5074.8	5153.2	5394.3	5717.4	6008.0	6071.9	5866.9	5839.2	5553.5	5475.1	5753.6
47.5°	5325.6	5403.9	5634.2	6010.4	6381.8	6428.8	6114.1	6063.5	5637.9	5554.7	5833.2
50°	5547.4	5601.7	5807.9	6228.6	6730.2	6757.9	6386.6	6325.1	5847.6	5775.3	6081.5
52.5°	5322.0	5315.9	5533.0	6051.4	6911.1	7245.0	6806.2	6747.1	6252.8	6141.8	6466.2
55°	4515.3	4446.6	4640.7	5150.7	6405.9	7677.9	7558.5	7440.4	6792.9	6510.8	6826.7
57.5°	3301.2	3281.9	3328.9	3807.6	5131.5	7007.5	8019.1	8008.3	7259.5	6848.4	7186.0
60°	2581.4	2552.5	2427.1	2440.3	3497.7	5473.9	6959.3	7278.8	7548.9	7050.9	7436.8
62.5°	2292.0	2270.3	2205.2	2025.6	2083.4	3670.1	5101.3	5394.3	6596.4	6227.4	6387.8
65°	1897.8	1891.7	1946.0	1938.8	1745.9	2026.8	2879.2	3174.6	4147.6	4199.5	4147.6
67.5°	1379.3	1368.5	1505.9	1777.2	1680.7	1530.0	1604.8	1707.3	2126.9	1909.8	1719.3
70°	897.0	881.4	960.9	1284.1	1504.7	1333.5	1156.3	1139.4	1169.5	727.0	786.1
72.5°	601.6	583.6	582.4	706.5	909.1	898.2	895.8	887.4	792.1	573.9	636.6
75°	335.2	320.7	317.1	305.0	325.5	331.6	353.3	365.3	395.5	435.3	482.3
77.5°	56.7	55.5	69.9	89.2	123.0	157.9	195.3	206.2	254.4	301.4	331.6
80°	31.3	32.6	42.2	51.8	68.7	94.0	120.6	127.8	156.7	182.1	206.2
82.5°	16.9	16.9	21.7	27.7	37.4	49.4	65.1	71.1	90.4	106.1	123.0
85°	6.0	6.0	8.4	10.9	15.7	20.5	25.3	28.9	39.8	54.3	61.5
87.5°	0.0	0.0	0.0	0.0	1.2	2.4	4.8	4.8	6.0	10.9	15.7
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°	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4
2.5°	4598.5	4566.0	4610.6	4631.1	4638.3	4643.1	4611.8	4590.1	4582.9	4560.0	4546.7
5°	4615.4	4593.7	4635.9	4635.9	4605.8	4574.4	4510.5	4465.9	4434.6	4397.2	4391.2
7.5°	4644.4	4628.7	4651.6	4604.6	4528.6	4444.2	4333.3	4246.5	4176.5	4130.7	4131.9
10°	4682.9	4663.6	4645.6	4540.7	4402.0	4246.5	4076.5	3949.9	3834.1	3781.1	3752.1
12.5°	4708.3	4680.5	4604.6	4430.9	4227.2	4018.6	3778.7	3590.6	3423.0	3347.0	3341.0
15°	4739.6	4689.0	4537.0	4288.7	4005.3	3720.8	3412.1	3150.5	2923.8	2805.7	2799.6
17.5°	4780.6	4697.4	4456.3	4125.9	3771.4	3351.8	2963.6	2634.5	2393.3	2301.7	2317.4
20°	4838.5	4707.1	4364.6	3945.0	3480.9	2932.3	2448.8	2146.1	2053.3	2047.3	2035.2
22.5°	4903.6	4713.1	4263.4	3742.5	3128.8	2484.9	2023.2	1894.2	1892.9	1923.1	1930.3
25°	4977.1	4717.9	4148.8	3506.2	2747.8	2038.8	1789.3	1750.7	1780.8	1837.5	1844.7
27.5°	5071.2	4727.5	4010.2	3246.9	2342.7	1761.5	1660.2	1650.6	1686.8	1739.8	1737.4
30°	5209.8	4762.5	3863.1	2949.1	1926.7	1630.1	1581.9	1583.1	1597.6	1622.9	1626.5
32.5°	5350.9	4816.8	3719.6	2614.0	1688.0	1555.4	1533.6	1531.2	1531.2	1542.1	1544.5
35°	5484.7	4878.3	3564.0	2264.3	1572.2	1511.9	1497.5	1490.2	1486.6	1484.2	1480.6
37.5°	5559.5	4908.4	3412.1	1919.5	1510.7	1483.0	1468.5	1458.9	1445.6	1436.0	1433.6
40°	5526.9	4873.4	3236.1	1661.5	1473.4	1455.3	1438.4	1425.1	1407.1	1398.6	1393.8
42.5°	5418.4	4764.9	3044.4	1539.7	1443.2	1425.1	1404.6	1382.9	1370.9	1363.6	1362.4
45°	5303.9	4633.5	2812.9	1468.5	1414.3	1392.6	1368.5	1344.4	1331.1	1327.5	1326.3
47.5°	5300.3	4568.4	2566.9	1411.9	1379.3	1357.6	1327.5	1303.4	1288.9	1284.1	1279.2
50°	5459.4	4634.7	2289.6	1362.4	1343.1	1320.2	1286.5	1260.0	1241.9	1235.8	1234.6
52.5°	5789.8	4884.3	2041.2	1313.0	1294.9	1268.4	1240.7	1214.1	1192.4	1181.6	1180.4
55°	6146.7	5201.4	1886.9	1262.4	1238.3	1215.3	1190.0	1161.1	1137.0	1120.1	1117.7
57.5°	6515.6	5547.4	1839.9	1198.5	1180.4	1164.7	1134.6	1103.2	1075.5	1059.8	1056.2
60°	6819.4	5845.2	1927.9	1130.9	1121.3	1100.8	1073.1	1042.9	1023.6	1011.6	1009.2
62.5°	5709.0	4758.9	1556.6	1057.4	1057.4	1035.7	1004.3	982.6	969.4	960.9	958.5
65°	3623.1	2946.7	1062.2	983.9	982.6	953.7	927.2	912.7	906.7	893.4	891.0
67.5°	1578.3	1346.8	907.9	909.1	904.3	872.9	846.4	835.5	823.5	809.0	807.8
70°	818.7	834.3	812.6	825.9	817.5	780.1	754.8	737.9	712.6	698.1	699.3
72.5°	660.7	677.6	701.7	722.2	704.1	674.0	634.2	613.7	581.1	565.5	566.7
75°	504.0	522.1	545.0	566.7	552.2	514.8	489.5	469.0	431.6	413.6	417.2
77.5°	347.2	356.9	384.6	383.4	378.6	367.7	330.4	306.2	267.7	246.0	248.4
80°	215.8	221.8	235.1	241.1	238.7	224.3	194.1	176.0	153.1	139.9	141.1
82.5°	130.2	133.8	145.9	147.1	145.9	135.0	112.1	98.9	84.4	77.2	77.2
85°	66.3	68.7	76.0	76.0	68.7	57.9	51.8	45.8	37.4	33.8	33.8
87.5°	18.1	18.1	22.9	19.3	15.7	14.5	7.2	6.0	2.4	1.2	1.2
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)