

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: P639762

Luminaire Tested: GWS-SA5C-740-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-740-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20324.1 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

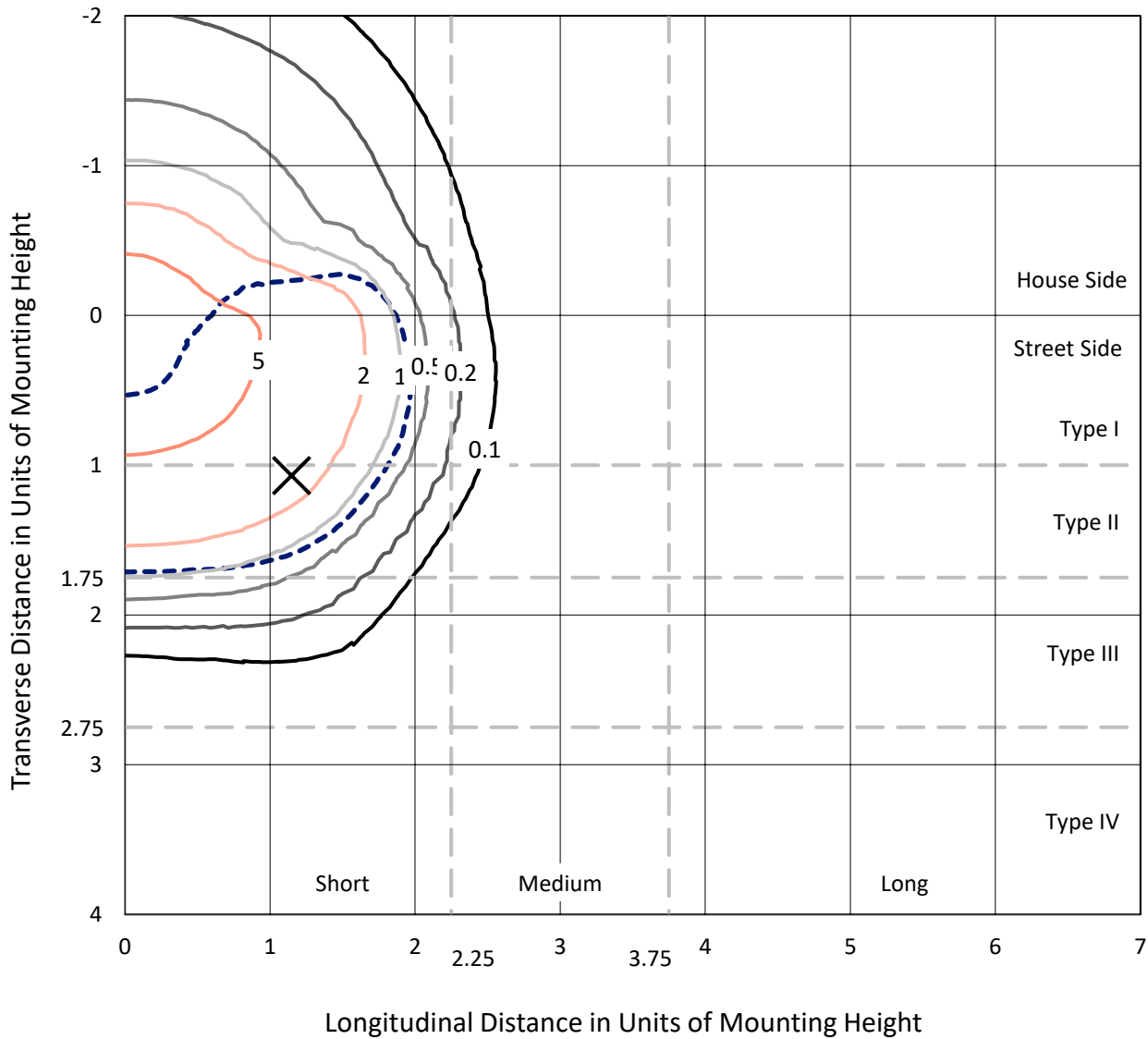
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

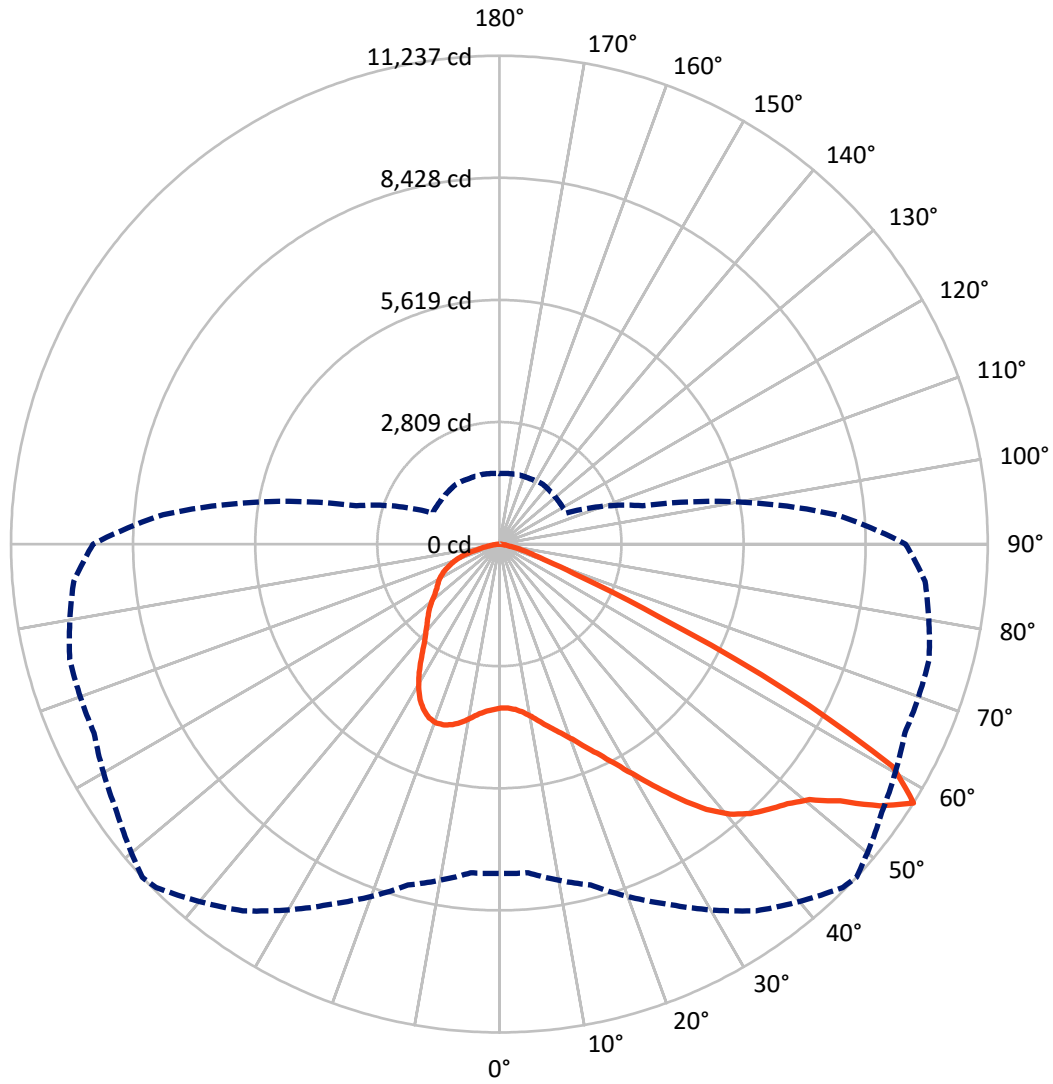
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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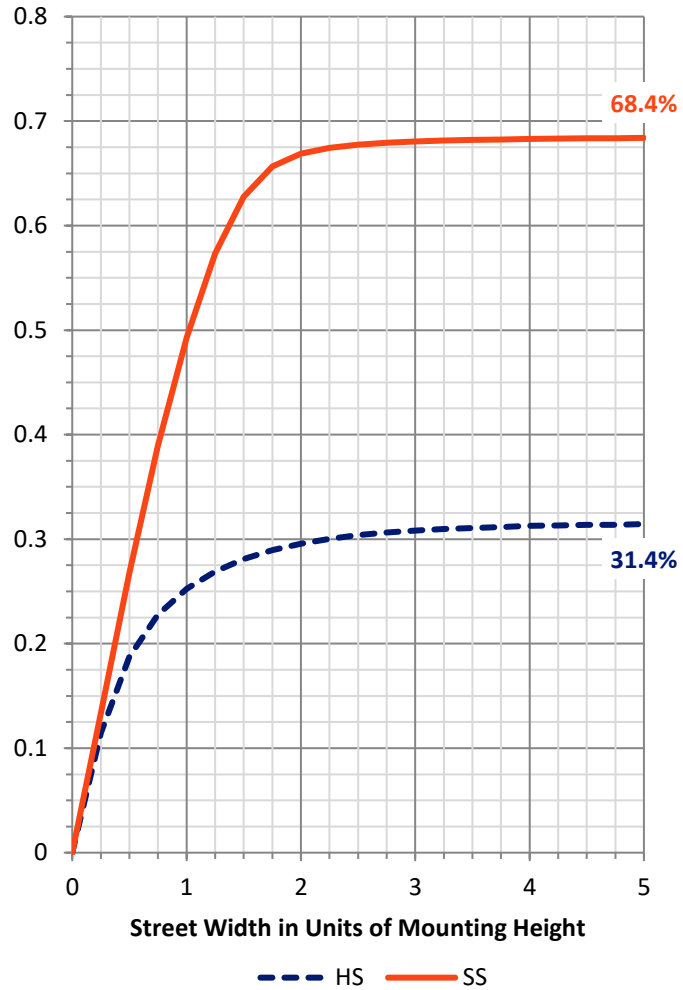
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6432.5	0.0	6432.5
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	13891.6	0.0	13891.6
	% Fixture	68.4	0.0	68.4
Total	Lumens	20324.1	0.0	20324.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.8	1.8
10°-20°	1222.7	6.0
20°-30°	2201.6	10.8
30°-40°	3325.3	16.4
40°-50°	4478.0	22.0
50°-60°	5380.9	26.5
60°-70°	2620.6	12.9
70°-80°	645.6	3.2
80°-90°	77.6	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°	20324.1	100.0
0°-180°	20324.1	100.0

Coefficient of Utilization



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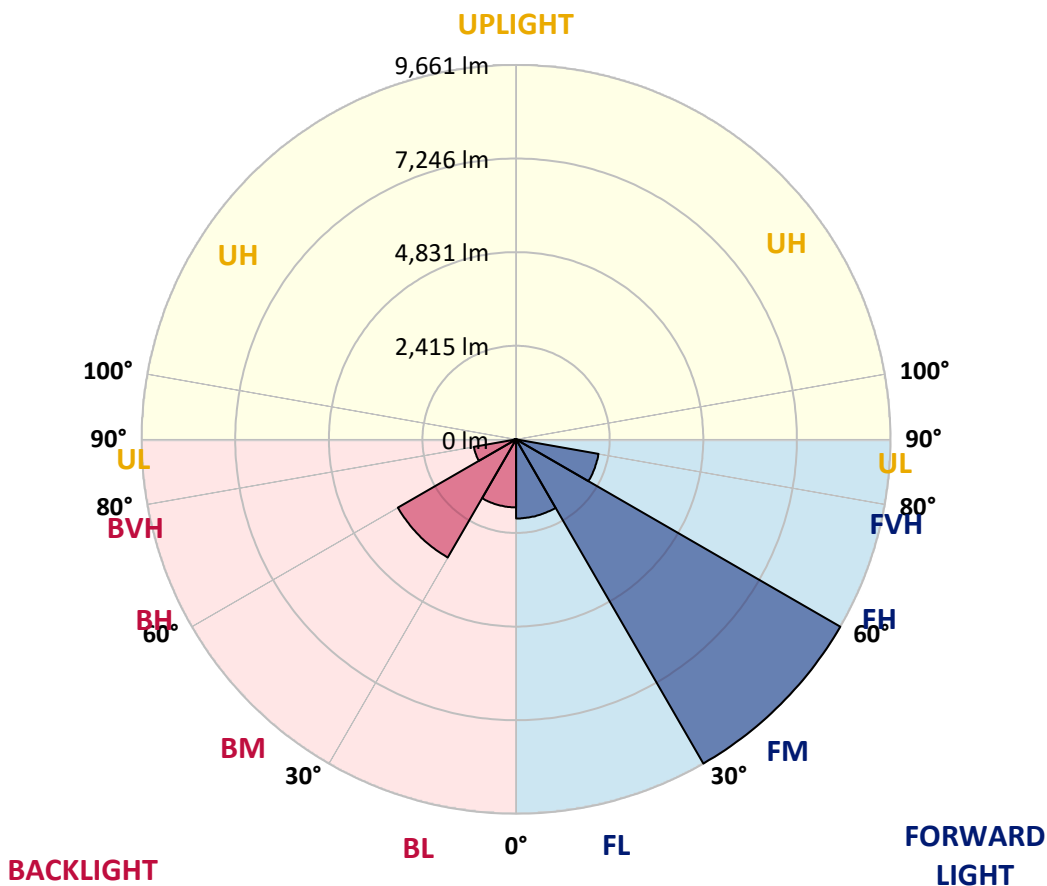
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2041.5	10.0			
FM (30°-60°)	9661.1	47.5			
FH (60°-80°)	2159.8	10.6			G2/5000
FVH (80°-90°)	29.2	0.1			G1/100
BL (0°-30°)	1754.7	8.6	B3/2500		
BM (30°-60°)	3523.1	17.3	B3/5000		
BH (60°-80°)	1106.4	5.4	B3/2500		G3/2500
BVH (80°-90°)	48.4	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3769.1	3769.1	3769.1	3769.1	3769.1	3769.1	3769.1	3769.1	3769.1	3769.1	3769.1
2.5°	3762.3	3760.6	3760.6	3770.8	3770.8	3774.3	3779.4	3784.5	3786.2	3777.7	3758.9
5°	3803.3	3803.3	3803.3	3811.8	3811.8	3815.2	3822.1	3823.8	3822.1	3808.4	3789.6
7.5°	3868.1	3868.1	3869.8	3880.1	3888.6	3893.7	3905.7	3904.0	3898.9	3876.7	3852.8
10°	3974.0	3979.1	3984.2	3996.2	4013.2	4025.2	4033.7	4033.7	4026.9	3992.8	3962.0
12.5°	4124.2	4131.0	4136.1	4146.4	4160.0	4180.5	4199.3	4199.3	4190.8	4148.1	4102.0
15°	4300.0	4306.8	4305.1	4308.6	4334.2	4363.2	4378.5	4388.8	4392.2	4332.5	4260.8
17.5°	4501.5	4508.3	4501.5	4491.2	4494.6	4540.7	4568.0	4605.6	4627.8	4547.5	4433.2
20°	4684.1	4677.3	4677.3	4684.1	4694.3	4750.7	4791.6	4853.1	4880.4	4783.1	4605.6
22.5°	4877.0	4892.4	4885.5	4885.5	4926.5	5020.4	5069.9	5150.1	5179.1	5052.8	4813.8
25°	5126.2	5139.9	5136.5	5139.9	5187.7	5320.8	5370.3	5518.8	5547.9	5366.9	5044.3
27.5°	5399.4	5421.5	5431.8	5428.4	5505.2	5679.3	5740.8	5947.3	6000.2	5718.6	5290.1
30°	5754.4	5778.3	5786.8	5783.4	5873.9	6111.2	6181.2	6416.7	6491.9	6135.1	5602.5
32.5°	6165.8	6189.7	6215.3	6225.6	6341.6	6584.0	6684.7	6928.9	7036.4	6616.5	5979.7
35°	6573.8	6594.3	6643.8	6724.0	6882.8	7130.3	7219.1	7459.7	7563.9	7116.6	6435.5
37.5°	7024.4	7038.1	7080.8	7191.7	7420.5	7656.1	7744.8	7975.3	7987.2	7599.7	6951.0
40°	7517.8	7517.8	7509.2	7618.5	7857.5	8094.8	8171.6	8304.7	8234.7	7971.9	7452.9
42.5°	7936.0	7929.2	7936.0	8038.4	8216.0	8408.9	8475.4	8449.8	8361.1	8256.9	7907.0
45°	8313.3	8318.4	8379.8	8458.4	8550.5	8664.9	8704.2	8559.1	8478.8	8485.7	8270.6
47.5°	8569.3	8574.4	8717.8	8849.3	8905.6	8941.5	8924.4	8722.9	8682.0	8758.8	8550.5
50°	8603.5	8630.8	8878.3	9148.0	9288.0	9293.1	9245.3	8999.5	8987.5	9074.6	8700.8
52.5°	8610.3	8637.6	8946.6	9433.1	9796.7	9873.5	9818.9	9562.8	9438.2	9351.1	8885.1
55°	8584.7	8615.4	8956.8	9624.3	10320.7	10628.0	10633.1	10271.2	9873.5	9815.5	9410.9
57.5°	7579.2	7591.2	8120.4	9137.8	10300.3	11170.8	11237.4	10745.8	10291.7	10237.1	9832.5
60°	5279.9	5327.7	5902.9	7246.4	8653.0	10187.6	10402.7	10259.3	9955.4	9557.7	8436.2
62.5°	2644.2	2685.2	3262.1	4532.2	5967.8	7179.8	7410.2	7562.2	7633.9	7207.1	5744.2
65°	1138.6	1169.3	1527.8	2367.7	3378.2	3963.7	4044.0	4226.6	4673.9	4170.3	3094.9
67.5°	761.3	781.8	964.5	1444.2	1990.4	2028.0	2016.0	2055.3	2152.6	1777.0	1398.1
70°	583.8	600.9	723.8	1058.4	1430.5	1223.9	1159.1	1051.5	1142.0	1164.2	1133.5
72.5°	423.3	437.0	529.2	722.1	896.2	781.8	771.6	826.2	949.1	983.3	964.5
75°	273.1	280.0	336.3	396.0	462.6	501.9	522.4	621.4	746.0	771.6	749.4
77.5°	182.7	187.8	220.2	254.3	262.9	264.6	271.4	315.8	401.2	449.0	443.8
80°	95.6	95.6	107.5	107.5	122.9	146.8	153.6	182.7	221.9	245.8	247.5
82.5°	37.6	39.3	46.1	51.2	61.5	75.1	80.2	95.6	116.1	133.1	148.5
85°	15.4	17.1	18.8	22.2	27.3	34.1	35.8	41.0	54.6	68.3	76.8
87.5°	0.0	0.0	1.7	1.7	3.4	5.1	5.1	6.8	8.5	15.4	20.5
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°	3769.1	3769.1	3769.1	3769.1	3769.1	3769.1	3769.1	3769.1	3769.1	3769.1	3769.1
2.5°	3781.1	3758.9	3781.1	3787.9	3806.7	3813.5	3801.6	3799.9	3799.9	3782.8	3777.7
5°	3806.7	3786.2	3808.4	3818.6	3846.0	3863.0	3866.4	3880.1	3888.6	3881.8	3880.1
7.5°	3869.8	3844.2	3868.1	3883.5	3919.4	3946.7	3958.6	3989.3	4011.5	4008.1	4006.4
10°	3980.8	3946.7	3974.0	3999.6	4038.8	4071.3	4073.0	4090.1	4112.2	4105.4	4102.0
12.5°	4108.8	4076.4	4107.1	4132.7	4178.8	4192.5	4170.3	4163.5	4166.9	4158.3	4151.5
15°	4265.9	4219.8	4247.1	4276.1	4301.7	4286.4	4238.6	4219.8	4218.1	4206.1	4199.3
17.5°	4422.9	4364.9	4385.4	4400.7	4388.8	4341.0	4281.2	4248.8	4233.4	4209.5	4202.7
20°	4578.3	4504.9	4501.5	4489.5	4434.9	4347.8	4267.6	4202.7	4163.5	4131.0	4119.1
22.5°	4755.8	4653.4	4602.2	4547.5	4428.0	4286.4	4165.2	4073.0	4009.8	3968.9	3955.2
25°	4947.0	4801.9	4696.1	4586.8	4359.8	4154.9	3985.9	3859.6	3784.5	3740.1	3724.8
27.5°	5136.5	4936.7	4778.0	4591.9	4223.2	3965.4	3738.4	3567.7	3492.6	3456.7	3444.8
30°	5392.5	5116.0	4875.3	4525.4	4044.0	3702.6	3419.2	3246.8	3197.3	3171.7	3161.4
32.5°	5687.8	5343.0	5005.0	4385.4	3815.2	3395.3	3096.6	2977.1	2942.9	2893.4	2891.7
35°	6077.0	5667.4	5127.9	4178.8	3526.7	3065.8	2849.0	2763.7	2702.2	2623.7	2616.9
37.5°	6531.1	6071.9	5194.5	3915.9	3190.4	2794.4	2664.7	2569.1	2470.1	2366.0	2352.3
40°	7000.6	6544.8	5199.6	3605.3	2861.0	2615.2	2505.9	2381.3	2258.4	2142.3	2127.0
42.5°	7493.9	6985.2	5109.2	3246.8	2591.3	2459.8	2348.9	2191.8	2053.6	1975.0	1966.5
45°	7934.3	7340.3	4904.3	2869.5	2391.6	2330.1	2188.4	2019.4	1946.0	1889.7	1877.7
47.5°	8280.8	7575.8	4627.8	2531.5	2229.4	2197.0	2012.6	1925.5	1869.2	1818.0	1806.0
50°	8451.5	7628.7	4267.6	2256.7	2079.2	2039.9	1913.6	1847.0	1809.5	1768.5	1758.2
52.5°	8663.2	7688.5	3956.9	2026.3	1932.4	1879.4	1831.6	1778.7	1751.4	1725.8	1717.3
55°	9149.7	7913.8	3793.0	1841.9	1792.4	1768.5	1761.7	1717.3	1708.7	1691.7	1676.3
57.5°	9347.7	7768.7	3405.5	1691.7	1681.4	1684.8	1701.9	1660.9	1652.4	1631.9	1621.7
60°	7517.8	5872.2	2306.2	1561.9	1589.2	1611.4	1628.5	1587.5	1575.6	1572.2	1558.5
62.5°	4817.3	3612.1	1609.7	1440.7	1481.7	1509.0	1519.3	1480.0	1471.5	1498.8	1500.5
65°	2507.6	1968.2	1305.9	1311.0	1345.1	1386.1	1406.6	1392.9	1389.5	1418.5	1420.3
67.5°	1280.3	1203.5	1138.6	1157.4	1184.7	1237.6	1285.4	1345.1	1365.6	1369.0	1370.7
70°	1090.8	1056.7	1024.2	1036.2	1065.2	1094.2	1140.3	1169.3	1135.2	1126.6	1123.2
72.5°	928.6	903.0	887.7	901.3	916.7	911.6	897.9	911.6	916.7	918.4	920.1
75°	722.1	703.3	691.3	693.1	693.1	674.3	648.7	633.3	616.2	602.6	602.6
77.5°	442.1	445.5	457.5	455.8	454.1	447.2	421.6	408.0	367.0	355.1	355.1
80°	252.6	257.8	269.7	273.1	273.1	264.6	239.0	223.6	204.8	196.3	194.6
82.5°	153.6	160.5	167.3	170.7	172.4	162.2	140.0	128.0	117.8	109.3	109.3
85°	80.2	83.6	90.5	92.2	87.1	76.8	64.9	59.7	49.5	47.8	47.8
87.5°	22.2	23.9	27.3	22.2	20.5	15.4	8.5	6.8	3.4	1.7	1.7
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)