

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: P635802

Luminaire Tested: GWS-SA3E-740-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635802
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-SA3E-740-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18769.9 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

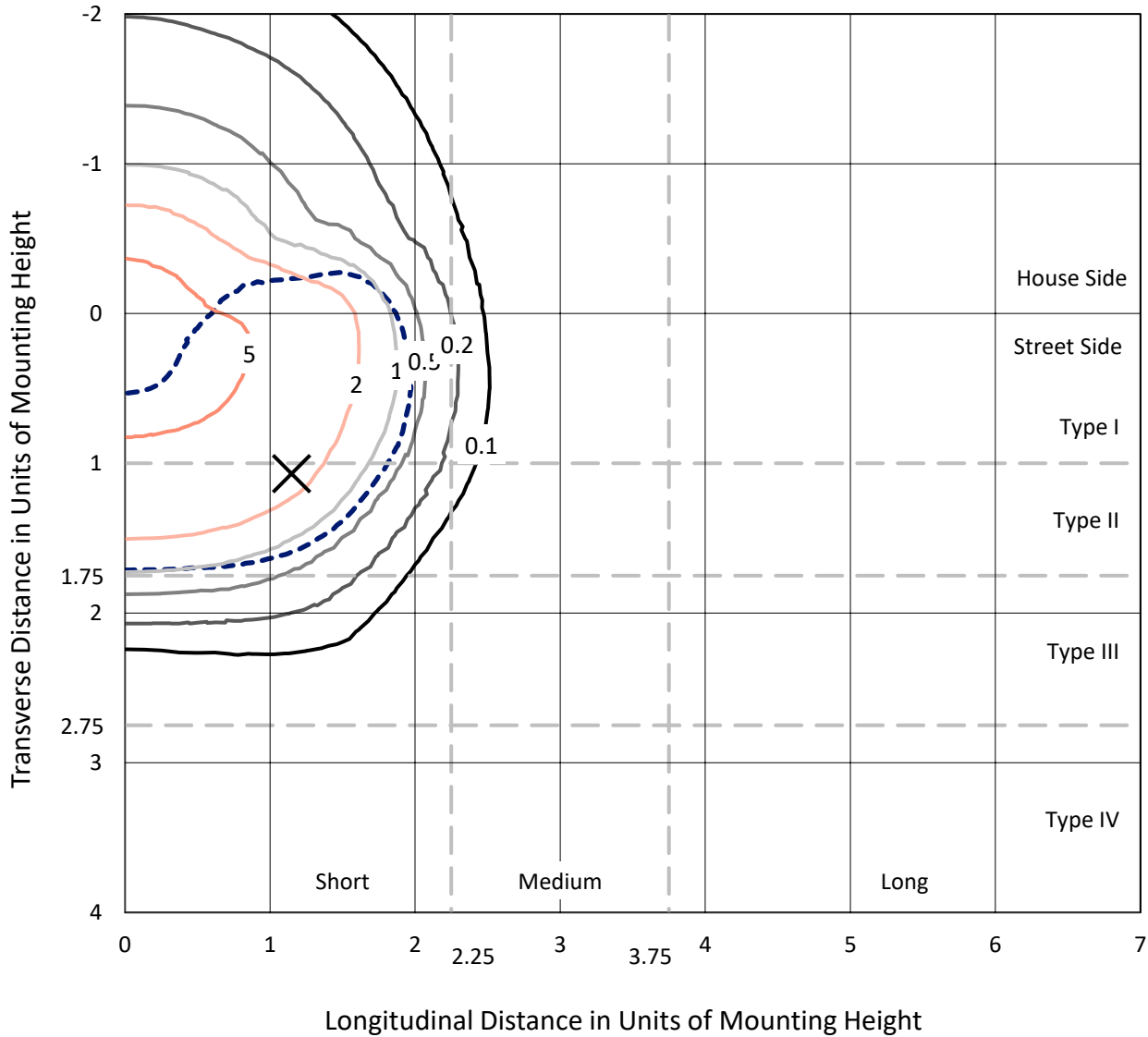
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

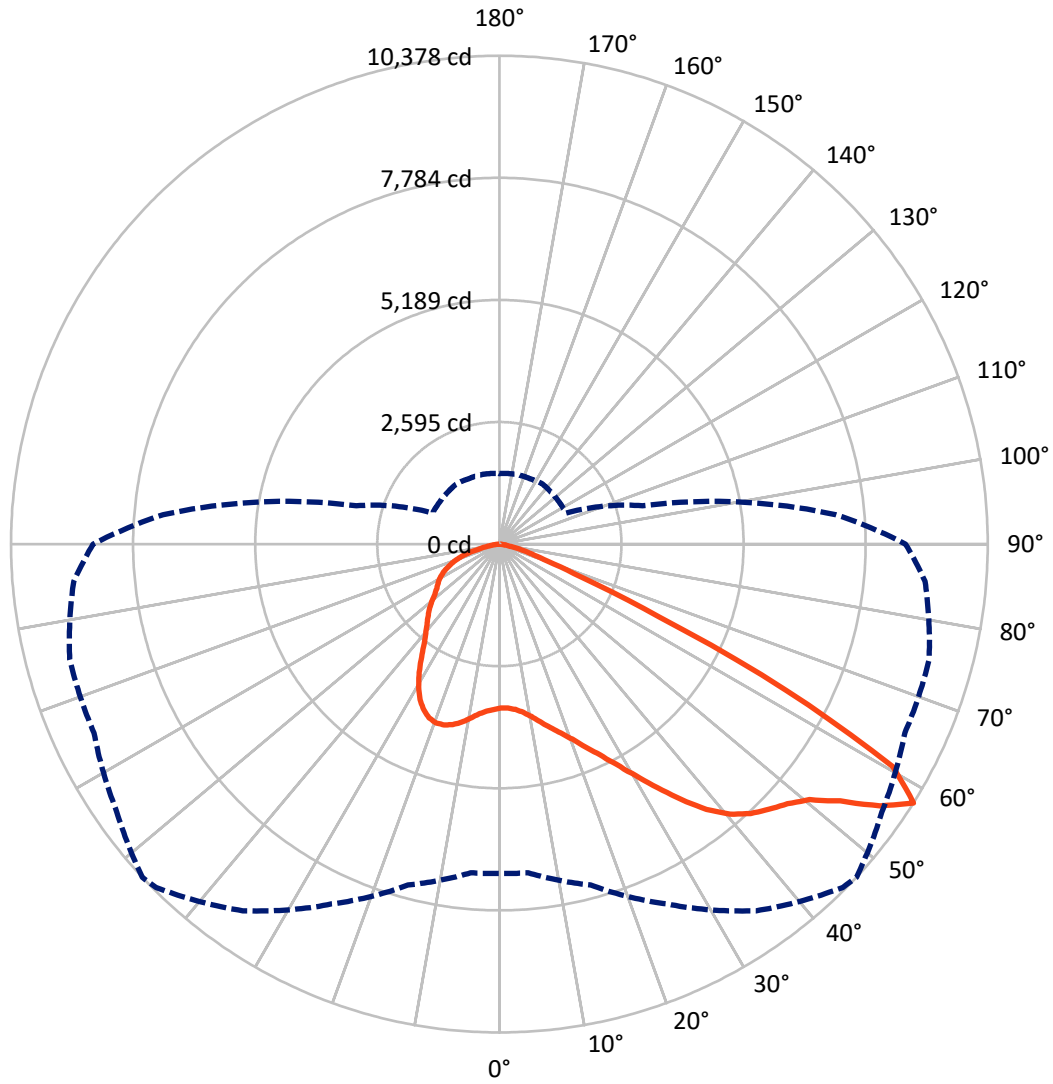
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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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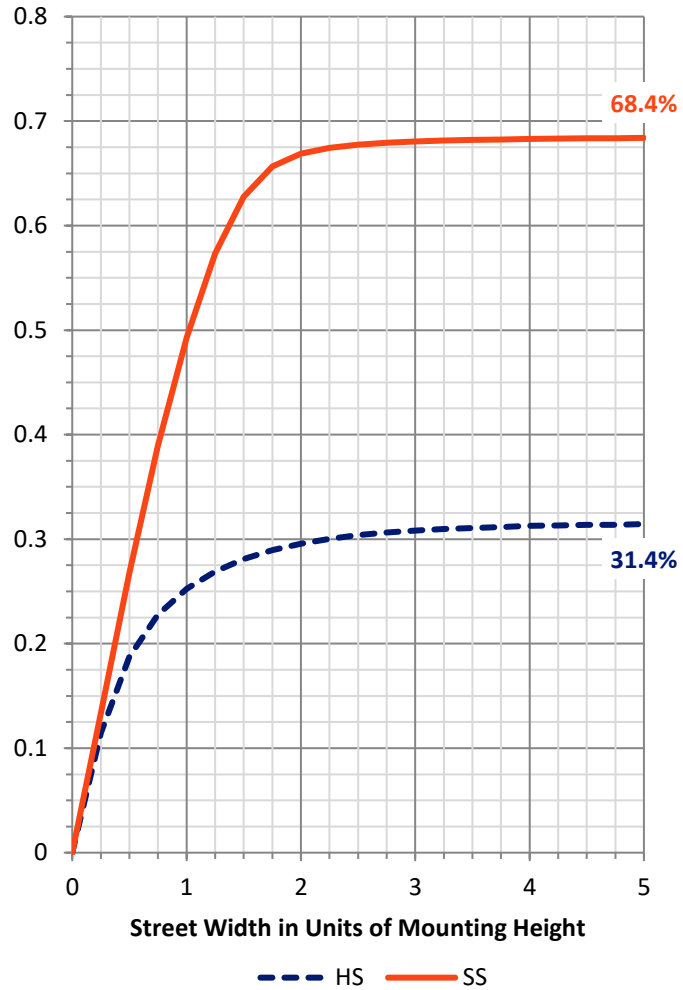
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5940.6	0.0	5940.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	12829.3	0.0	12829.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	18769.9	0.0	18769.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.3	1.8
10°-20°	1129.2	6.0
20°-30°	2033.3	10.8
30°-40°	3071.0	16.4
40°-50°	4135.5	22.0
50°-60°	4969.4	26.5
60°-70°	2420.2	12.9
70°-80°	596.2	3.2
80°-90°	71.7	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°	18769.9	100.0
0°-180°	18769.9	100.0

Coefficient of Utilization



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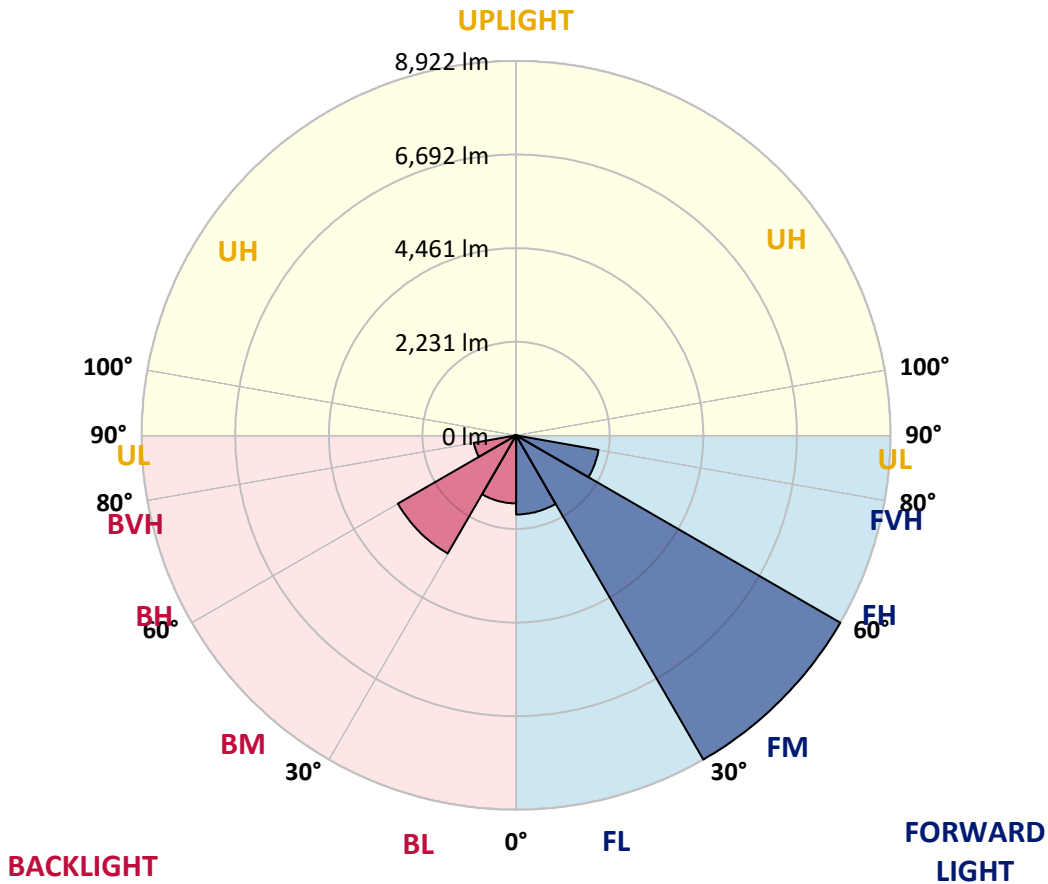
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1885.3	10.0			
FM (30°-60°)	8922.3	47.5			
FH (60°-80°)	1994.7	10.6			G2/5000
FVH (80°-90°)	26.9	0.1			G1/100
BL (0°-30°)	1620.5	8.6	B3/2500		
BM (30°-60°)	3253.7	17.3	B3/5000		
BH (60°-80°)	1021.8	5.4	B3/2500		G3/2500
BVH (80°-90°)	44.7	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°	3480.9	3480.9	3480.9	3480.9	3480.9	3480.9	3480.9	3480.9	3480.9	3480.9	3480.9
2.5°	3474.6	3473.0	3473.0	3482.5	3482.5	3485.6	3490.4	3495.1	3496.7	3488.8	3471.4
5°	3512.4	3512.4	3512.4	3520.3	3520.3	3523.5	3529.8	3531.4	3529.8	3517.2	3499.8
7.5°	3572.3	3572.3	3573.9	3583.4	3591.3	3596.0	3607.0	3605.4	3600.7	3580.2	3558.2
10°	3670.1	3674.8	3679.5	3690.6	3706.3	3717.4	3725.3	3725.3	3719.0	3687.4	3659.0
12.5°	3808.8	3815.1	3819.9	3829.3	3841.9	3860.8	3878.2	3878.2	3870.3	3830.9	3788.3
15°	3971.2	3977.5	3975.9	3979.1	4002.7	4029.5	4043.7	4053.2	4056.3	4001.1	3934.9
17.5°	4157.2	4163.5	4157.2	4147.8	4150.9	4193.5	4218.7	4253.4	4273.9	4199.8	4094.2
20°	4325.9	4319.6	4319.6	4325.9	4335.4	4387.4	4425.2	4482.0	4507.2	4417.3	4253.4
22.5°	4504.1	4518.2	4511.9	4511.9	4549.8	4636.5	4682.2	4756.3	4783.1	4666.4	4445.7
25°	4734.2	4746.8	4743.7	4746.8	4791.0	4913.9	4959.7	5096.8	5123.6	4956.5	4658.5
27.5°	4986.5	5007.0	5016.4	5013.3	5084.2	5245.0	5301.8	5492.5	5541.4	5281.3	4885.6
30°	5314.4	5336.4	5344.3	5341.2	5424.7	5643.9	5708.5	5926.1	5995.4	5665.9	5174.1
32.5°	5694.3	5716.4	5740.0	5749.5	5856.7	6080.5	6173.6	6399.0	6498.3	6110.5	5522.5
35°	6071.1	6090.0	6135.7	6209.8	6356.4	6585.0	6667.0	6889.3	6985.5	6572.4	5943.4
37.5°	6487.3	6499.9	6539.3	6641.8	6853.0	7070.6	7152.6	7365.4	7376.4	7018.6	6419.5
40°	6942.9	6942.9	6935.0	7035.9	7256.6	7475.7	7546.7	7669.7	7605.0	7362.2	6883.0
42.5°	7329.1	7322.8	7329.1	7423.7	7587.7	7765.8	7827.3	7803.7	7721.7	7625.5	7302.3
45°	7677.5	7682.3	7739.0	7811.5	7896.7	8002.3	8038.6	7904.6	7830.5	7836.8	7638.1
47.5°	7914.0	7918.7	8051.2	8172.6	8224.6	8257.7	8241.9	8055.9	8018.1	8089.0	7896.7
50°	7945.5	7970.8	8199.4	8448.4	8577.7	8582.4	8538.3	8311.3	8300.3	8380.7	8035.4
52.5°	7951.9	7977.1	8262.4	8711.7	9047.5	9118.5	9068.0	8831.5	8716.5	8636.0	8205.7
55°	7928.2	7956.6	8271.9	8888.3	9531.5	9815.3	9820.0	9485.8	9118.5	9064.9	8691.2
57.5°	6999.6	7010.7	7499.4	8439.0	9512.6	10316.6	10378.1	9924.0	9504.7	9454.3	9080.6
60°	4876.1	4920.2	5451.5	6692.2	7991.3	9408.5	9607.2	9474.7	9194.1	8826.8	7791.0
62.5°	2442.0	2479.8	3012.7	4185.6	5511.4	6630.7	6843.6	6983.9	7050.1	6656.0	5304.9
65°	1051.5	1079.9	1411.0	2186.6	3119.9	3660.6	3734.7	3903.4	4316.4	3851.4	2858.2
67.5°	703.1	722.0	890.7	1333.7	1838.2	1872.9	1861.8	1898.1	1988.0	1641.1	1291.2
70°	539.2	554.9	668.4	977.4	1321.1	1130.3	1070.4	971.1	1054.7	1075.2	1046.8
72.5°	391.0	403.6	488.7	666.9	827.7	722.0	712.6	763.0	876.5	908.1	890.7
75°	252.2	258.5	310.6	365.7	427.2	463.5	482.4	573.8	688.9	712.6	692.1
77.5°	168.7	173.4	203.4	234.9	242.8	244.4	250.7	291.7	370.5	414.6	409.9
80°	88.3	88.3	99.3	99.3	113.5	135.6	141.9	168.7	204.9	227.0	228.6
82.5°	34.7	36.3	42.6	47.3	56.8	69.4	74.1	88.3	107.2	123.0	137.2
85°	14.2	15.8	17.3	20.5	25.2	31.5	33.1	37.8	50.4	63.1	70.9
87.5°	0.0	0.0	1.6	1.6	3.2	4.7	4.7	6.3	7.9	14.2	18.9
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°	3480.9	3480.9	3480.9	3480.9	3480.9	3480.9	3480.9	3480.9	3480.9	3480.9	3480.9
2.5°	3491.9	3471.4	3491.9	3498.2	3515.6	3521.9	3510.9	3509.3	3509.3	3493.5	3488.8
5°	3515.6	3496.7	3517.2	3526.6	3551.8	3567.6	3570.8	3583.4	3591.3	3585.0	3583.4
7.5°	3573.9	3550.3	3572.3	3586.5	3619.6	3644.9	3655.9	3684.3	3704.8	3701.6	3700.0
10°	3676.4	3644.9	3670.1	3693.7	3730.0	3759.9	3761.5	3777.3	3797.8	3791.5	3788.3
12.5°	3794.6	3764.7	3793.1	3816.7	3859.3	3871.9	3851.4	3845.1	3848.2	3840.3	3834.0
15°	3939.7	3897.1	3922.3	3949.1	3972.8	3958.6	3914.4	3897.1	3895.5	3884.5	3878.2
17.5°	4084.7	4031.1	4050.0	4064.2	4053.2	4009.0	3953.9	3923.9	3909.7	3887.6	3881.3
20°	4228.2	4160.4	4157.2	4146.2	4095.7	4015.3	3941.2	3881.3	3845.1	3815.1	3804.1
22.5°	4392.1	4297.5	4250.2	4199.8	4089.4	3958.6	3846.7	3761.5	3703.2	3665.4	3652.7
25°	4568.7	4434.7	4336.9	4236.0	4026.4	3837.2	3681.1	3564.5	3495.1	3454.1	3439.9
27.5°	4743.7	4559.2	4412.6	4240.8	3900.3	3662.2	3452.5	3294.9	3225.5	3192.4	3181.4
30°	4980.2	4724.8	4502.5	4179.3	3734.7	3419.4	3157.7	2998.5	2952.8	2929.1	2919.7
32.5°	5252.9	4934.4	4622.3	4050.0	3523.5	3135.7	2859.8	2749.4	2717.9	2672.2	2670.6
35°	5612.3	5234.0	4735.8	3859.3	3257.0	2831.4	2631.2	2552.3	2495.6	2423.1	2416.8
37.5°	6031.7	5607.6	4797.3	3616.5	2946.5	2580.7	2460.9	2372.6	2281.2	2185.0	2172.4
40°	6465.2	6044.3	4802.0	3329.6	2642.2	2415.2	2314.3	2199.2	2085.7	1978.5	1964.3
42.5°	6920.8	6451.0	4718.5	2998.5	2393.1	2271.7	2169.3	2024.2	1896.5	1824.0	1816.1
45°	7327.6	6778.9	4529.3	2650.1	2208.7	2151.9	2021.1	1865.0	1797.2	1745.2	1734.1
47.5°	7647.6	6996.5	4273.9	2337.9	2058.9	2029.0	1858.7	1778.3	1726.3	1679.0	1667.9
50°	7805.2	7045.4	3941.2	2084.1	1920.2	1883.9	1767.3	1705.8	1671.1	1633.3	1623.8
52.5°	8000.7	7100.5	3654.3	1871.3	1784.6	1735.7	1691.6	1642.7	1617.5	1593.8	1586.0
55°	8450.0	7308.6	3503.0	1701.0	1655.3	1633.3	1626.9	1586.0	1578.1	1562.3	1548.1
57.5°	8632.9	7174.6	3145.1	1562.3	1552.8	1556.0	1571.8	1533.9	1526.0	1507.1	1497.7
60°	6942.9	5423.1	2129.8	1442.5	1467.7	1488.2	1504.0	1466.1	1455.1	1452.0	1439.3
62.5°	4448.9	3335.9	1486.6	1330.6	1368.4	1393.6	1403.1	1366.8	1358.9	1384.2	1385.7
65°	2315.9	1817.7	1206.0	1210.7	1242.3	1280.1	1299.0	1286.4	1283.3	1310.1	1311.6
67.5°	1182.4	1111.4	1051.5	1068.9	1094.1	1143.0	1187.1	1242.3	1261.2	1264.4	1265.9
70°	1007.4	975.9	945.9	956.9	983.7	1010.5	1053.1	1079.9	1048.4	1040.5	1037.3
72.5°	857.6	834.0	819.8	832.4	846.6	841.8	829.2	841.8	846.6	848.2	849.7
75°	666.9	649.5	638.5	640.1	640.1	622.7	599.1	584.9	569.1	556.5	556.5
77.5°	408.3	411.5	422.5	420.9	419.3	413.0	389.4	376.8	338.9	327.9	327.9
80°	233.3	238.1	249.1	252.2	252.2	244.4	220.7	206.5	189.2	181.3	179.7
82.5°	141.9	148.2	154.5	157.6	159.2	149.8	129.3	118.2	108.8	100.9	100.9
85°	74.1	77.2	83.6	85.1	80.4	70.9	59.9	55.2	45.7	44.1	44.1
87.5°	20.5	22.1	25.2	20.5	18.9	14.2	7.9	6.3	3.2	1.6	1.6
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)