

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: P641762

Luminaire Tested: GWS-SA6B-750-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-750-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16311.4 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

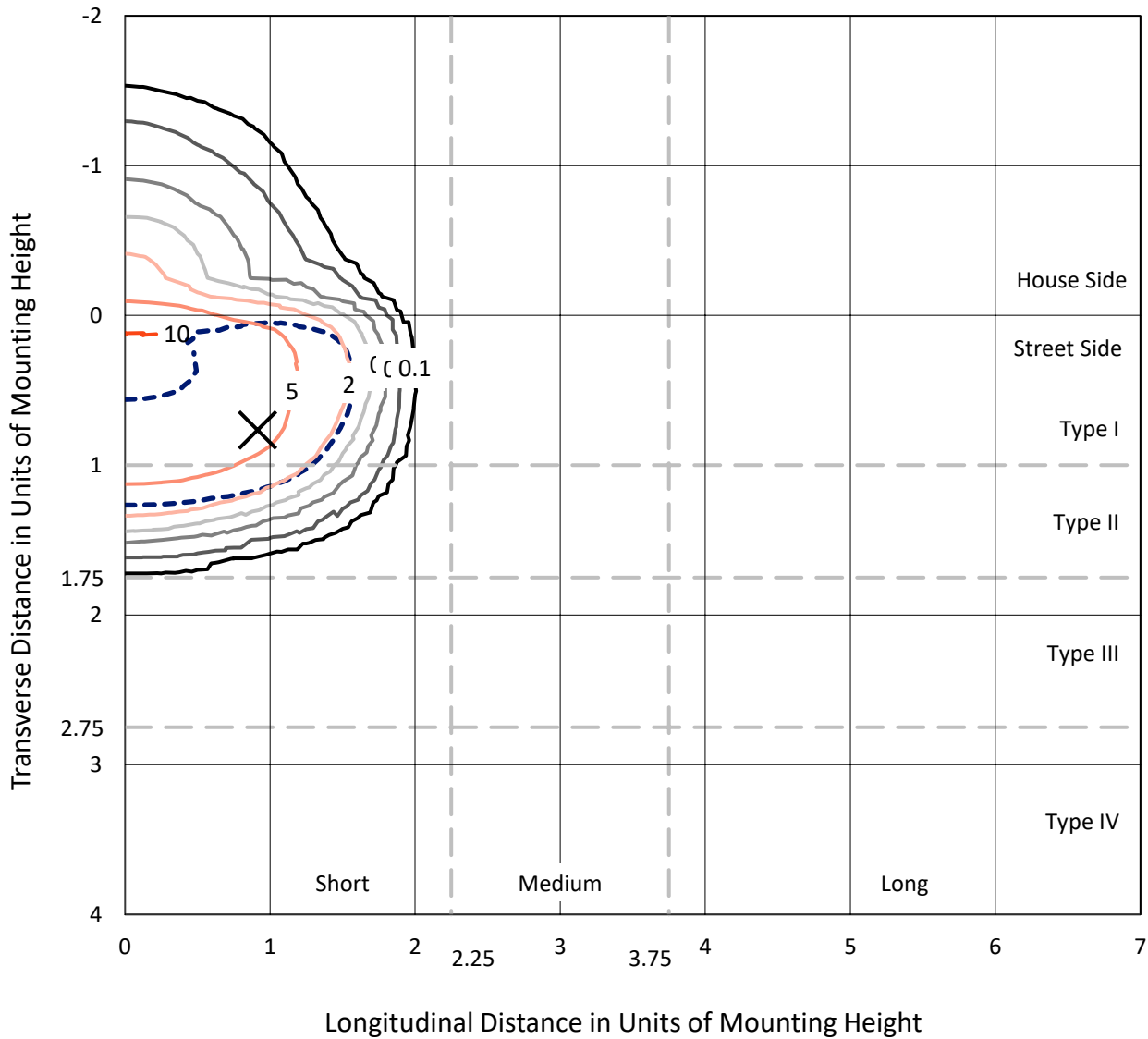
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

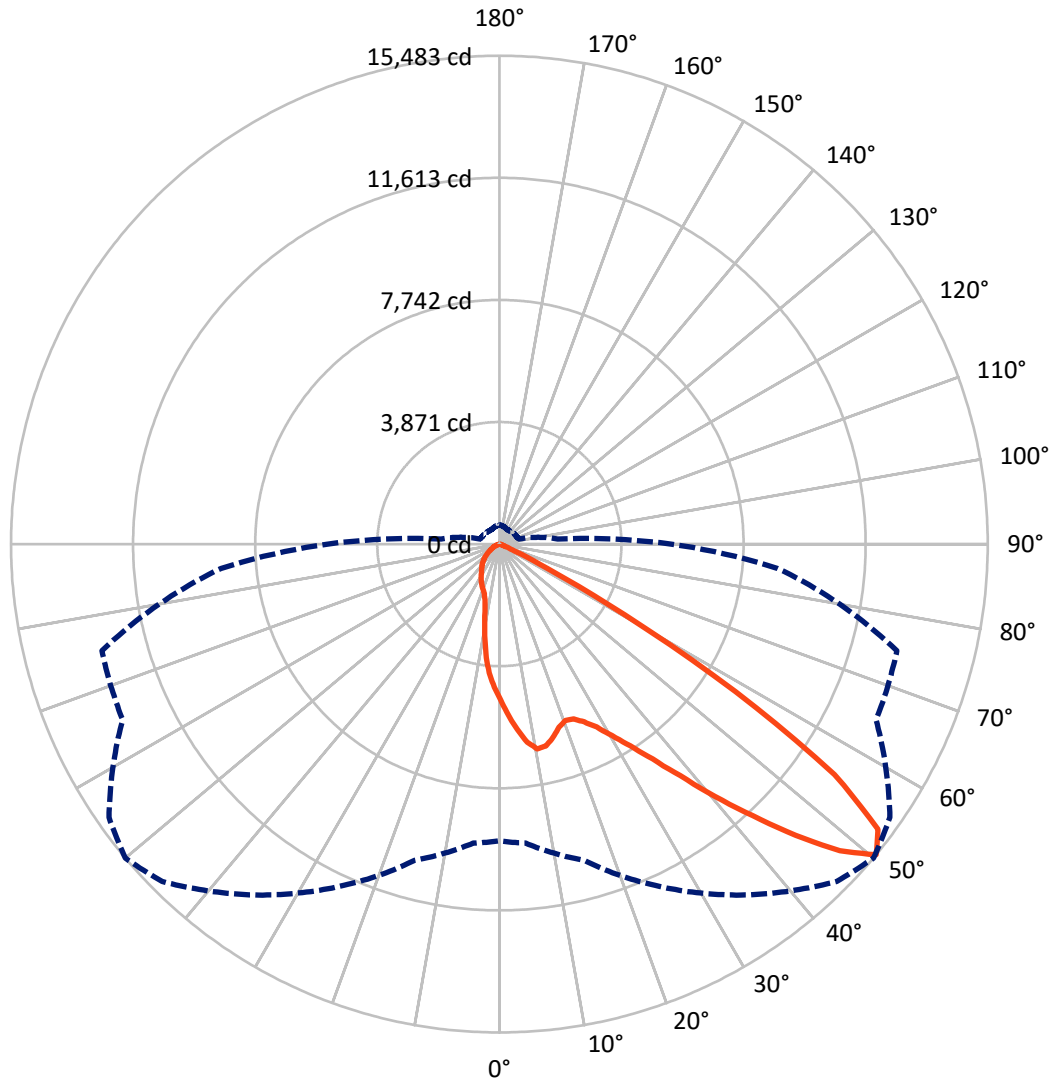
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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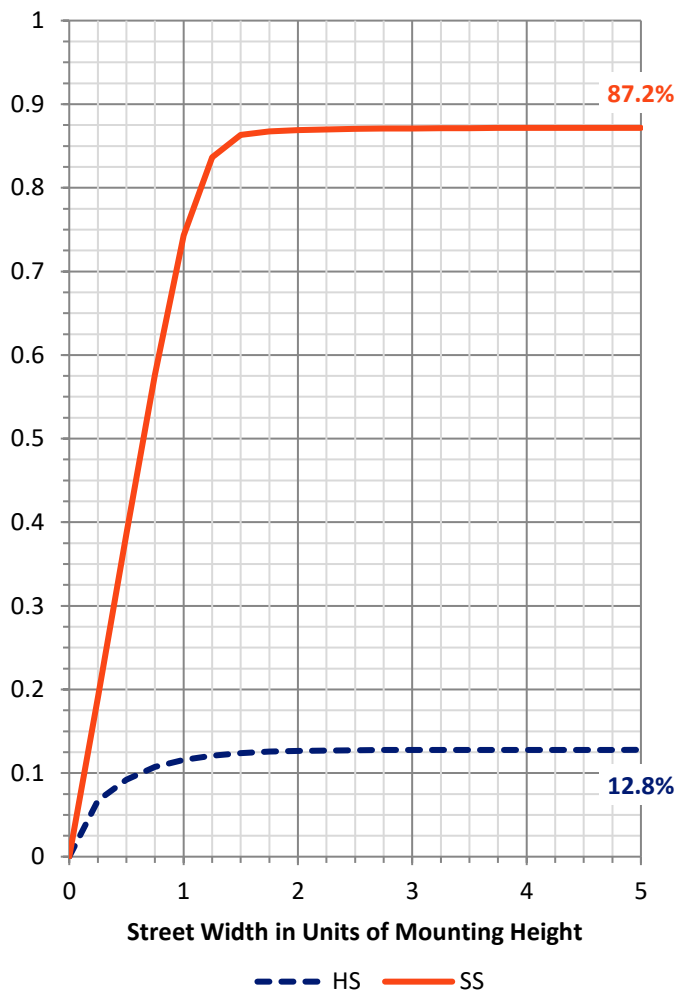
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2095.8	0.0	2095.8
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	14215.6	0.0	14215.6
	% Fixture	87.2	0.0	87.2
Total	Lumens	16311.4	0.0	16311.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.4	2.8
10°-20°	1182.8	7.3
20°-30°	1952.0	12.0
30°-40°	3221.2	19.7
40°-50°	5096.6	31.2
50°-60°	3858.7	23.7
60°-70°	482.9	3.0
70°-80°	54.6	0.3
80°-90°	4.2	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°	16311.4	100.0
0°-180°	16311.4	100.0

Coefficient of Utilization



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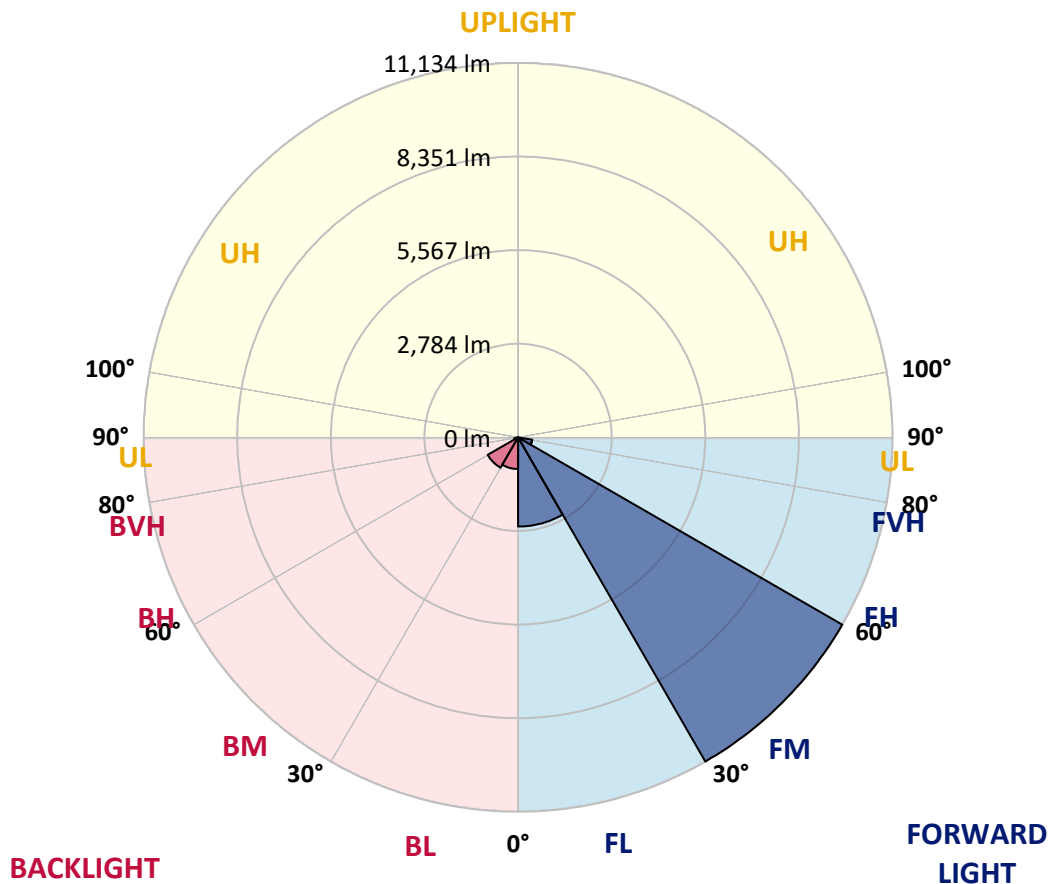
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2652.5	16.3			
FM (30°-60°)	11134.2	68.3			
FH (60°-80°)	427.0	2.6			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	940.7	5.8	B2/1000		
BM (30°-60°)	1042.3	6.4	B2/2500		
BH (60°-80°)	110.6	0.7	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4941.7	4941.7	4941.7	4941.7	4941.7	4941.7	4941.7	4941.7	4941.7	4941.7	4941.7
2.5°	5631.0	5676.1	5663.6	5604.6	5541.0	5496.0	5426.1	5404.4	5246.0	5135.8	5019.3
5°	6311.0	6325.0	6309.5	6238.1	6126.3	6019.2	5904.3	5837.5	5572.0	5332.9	5089.2
7.5°	6474.1	6457.0	6486.5	6522.2	6506.7	6460.1	6339.0	6266.0	5949.3	5559.6	5190.1
10°	5964.8	5926.0	6036.2	6221.0	6415.1	6634.0	6602.9	6609.1	6317.2	5845.3	5322.1
12.5°	5289.5	5273.9	5356.2	5570.5	5950.9	6447.7	6567.2	6767.5	6654.1	6154.2	5472.7
15°	4992.9	5000.7	5050.4	5185.5	5458.7	6076.6	6363.8	6725.6	6955.3	6453.9	5638.8
17.5°	5038.0	5065.9	5064.4	5109.4	5275.5	5770.8	6106.1	6593.6	7188.2	6798.5	5829.8
20°	5343.8	5371.8	5329.8	5295.7	5351.6	5693.1	5971.0	6460.1	7345.0	7146.3	6031.6
22.5°	5801.8	5834.4	5735.0	5637.2	5601.5	5820.4	6022.3	6405.7	7464.6	7464.6	6211.7
25°	6356.1	6401.1	6247.4	6073.5	5974.1	6089.0	6241.2	6528.4	7587.2	7750.2	6334.3
27.5°	6975.5	6977.1	6845.1	6649.5	6463.2	6477.2	6568.8	6804.7	7722.3	8057.6	6430.6
30°	7672.6	7677.3	7501.8	7267.4	7033.0	6969.3	7046.9	7225.5	8003.3	8444.2	6564.1
32.5°	8573.1	8594.8	8343.3	7998.6	7694.3	7574.8	7619.8	7807.7	8450.4	8928.6	6764.4
35°	9790.3	9813.5	9442.5	8987.6	8503.2	8323.1	8368.1	8557.6	9097.8	9616.4	7084.2
37.5°	10991.9	11023.0	10647.3	10223.4	9558.9	9260.8	9307.4	9487.5	10069.7	10566.5	7596.5
40°	11822.5	11864.4	11748.0	11462.3	10846.0	10454.7	10510.6	10575.8	11139.4	11703.0	8261.0
42.5°	12260.3	12319.3	12369.0	12515.0	12190.5	11862.9	11768.2	11772.8	12227.7	12861.2	8951.9
45°	12286.7	12344.2	12598.8	13162.4	13409.2	13340.9	13168.6	13052.1	13058.3	13632.8	9383.5
47.5°	11432.8	11540.0	12016.6	13120.4	14048.9	14615.5	14528.6	14252.2	13407.7	13684.0	9336.9
50°	9409.9	9515.5	10381.8	11970.0	13583.1	15124.8	15483.4	15112.3	13179.4	13045.9	8857.2
52.5°	6834.2	6845.1	7407.1	9262.4	11695.2	14185.5	15030.1	14994.3	12831.7	12272.8	8202.0
55°	3246.3	3207.5	3839.4	5227.4	8088.7	11473.2	12896.9	13300.5	12338.0	11713.8	7694.3
57.5°	945.5	964.1	1245.1	2040.0	4045.9	7332.6	8832.3	9583.8	10127.2	9630.3	5967.9
60°	423.8	425.4	473.5	621.0	1347.6	3410.9	4566.0	5496.0	6054.9	5610.8	2960.7
62.5°	307.4	309.0	327.6	350.9	458.0	1155.1	1712.4	2282.2	2324.1	1521.5	749.9
65°	256.2	256.2	259.3	259.3	274.8	413.0	520.1	670.7	565.1	419.2	293.4
67.5°	206.5	208.0	211.1	211.1	206.5	206.5	223.6	245.3	262.4	324.5	270.1
70°	161.5	159.9	159.9	161.5	156.8	133.5	144.4	164.6	180.1	253.1	234.4
72.5°	125.8	127.3	125.8	119.5	108.7	79.2	85.4	107.1	114.9	158.4	158.4
75°	94.7	96.3	90.0	68.3	45.0	24.8	32.6	52.8	66.8	77.6	57.4
77.5°	12.4	12.4	9.3	9.3	7.8	9.3	9.3	12.4	18.6	18.6	14.0
80°	1.6	1.6	1.6	3.1	4.7	6.2	6.2	6.2	6.2	7.8	7.8
82.5°	1.6	1.6	1.6	1.6	4.7	4.7	6.2	6.2	6.2	6.2	6.2
85°	0.0	0.0	0.0	1.6	3.1	4.7	4.7	6.2	6.2	6.2	6.2
87.5°	0.0	0.0	0.0	1.6	3.1	4.7	4.7	4.7	6.2	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°	4941.7	4941.7	4941.7	4941.7	4941.7	4941.7	4941.7	4941.7	4941.7	4941.7	4941.7
2.5°	4949.5	4859.4	4750.7	4676.2	4570.7	4500.8	4401.4	4334.7	4277.2	4232.2	4257.0
5°	4951.0	4808.2	4586.2	4396.8	4190.3	4000.9	3797.5	3637.6	3493.2	3428.0	3463.7
7.5°	4982.1	4777.1	4437.1	4100.2	3704.3	3313.1	2946.7	2648.6	2501.1	2431.3	2453.0
10°	5042.6	4763.2	4271.0	3712.1	3069.4	2535.3	2179.8	1977.9	1895.6	1852.2	1859.9
12.5°	5098.5	4753.8	4055.2	3201.3	2421.9	1967.1	1782.3	1754.4	1771.4	1773.0	1771.4
15°	5174.6	4736.8	3788.2	2676.6	1937.6	1700.0	1704.7	1745.0	1785.4	1797.8	1794.7
17.5°	5255.3	4710.4	3443.5	2173.5	1644.1	1622.4	1676.7	1731.1	1771.4	1777.6	1779.2
20°	5339.2	4656.0	3050.7	1774.5	1507.5	1563.4	1623.9	1664.3	1693.8	1703.1	1706.2
22.5°	5378.0	4541.2	2597.4	1488.9	1415.9	1490.4	1535.5	1588.2	1597.6	1563.4	1569.6
25°	5357.8	4347.1	2154.9	1296.4	1324.3	1398.8	1465.6	1439.2	1400.4	1375.5	1383.3
27.5°	5294.1	4089.4	1721.8	1155.1	1226.5	1321.2	1329.0	1299.5	1293.3	1273.1	1279.3
30°	5225.8	3792.8	1384.9	1041.7	1127.1	1226.5	1203.2	1214.1	1215.6	1192.3	1200.1
32.5°	5183.9	3482.3	1102.3	965.7	1063.5	1082.1	1128.7	1150.4	1152.0	1097.6	1107.0
35°	5197.9	3176.5	933.1	903.6	1004.5	999.8	1065.0	1077.5	987.4	912.9	920.7
37.5°	5311.2	2893.9	836.8	855.4	902.0	937.7	987.4	905.1	884.9	850.8	855.4
40°	5522.4	2653.3	779.4	825.9	832.2	889.6	813.5	824.4	825.9	804.2	808.9
42.5°	5769.2	2453.0	745.2	808.9	793.3	802.7	726.6	748.3	771.6	762.3	763.8
45°	5893.4	2257.4	715.7	749.9	754.5	666.0	649.0	672.2	701.7	706.4	708.0
47.5°	5783.2	2071.1	684.7	664.5	695.5	607.0	586.9	594.6	628.8	647.4	650.5
50°	5446.3	1856.8	638.1	588.4	571.3	544.9	526.3	527.9	566.7	599.3	605.5
52.5°	4972.8	1633.3	562.0	498.4	459.5	479.7	484.4	475.1	510.8	543.4	549.6
55°	4513.2	1353.8	445.6	405.2	369.5	413.0	425.4	413.0	423.8	445.6	447.1
57.5°	3178.0	765.4	341.6	335.3	305.8	354.0	374.2	355.5	336.9	350.9	354.0
60°	1473.4	400.6	262.4	262.4	254.6	304.3	338.5	312.1	276.4	282.6	287.2
62.5°	461.1	253.1	192.5	181.6	208.0	259.3	287.2	260.8	218.9	218.9	225.1
65°	260.8	217.4	152.1	139.7	169.2	208.0	225.1	197.2	159.9	156.8	156.8
67.5°	242.2	206.5	135.1	113.3	119.5	133.5	139.7	121.1	110.2	108.7	110.2
70°	200.3	172.3	108.7	77.6	73.0	71.4	74.5	69.9	66.8	68.3	73.0
72.5°	124.2	104.0	68.3	46.6	40.4	38.8	38.8	38.8	37.3	37.3	37.3
75°	45.0	38.8	31.1	23.3	20.2	18.6	18.6	20.2	18.6	17.1	15.5
77.5°	14.0	12.4	12.4	12.4	10.9	9.3	7.8	7.8	6.2	4.7	4.7
80°	7.8	7.8	7.8	7.8	6.2	6.2	4.7	3.1	1.6	1.6	0.0
82.5°	7.8	7.8	7.8	6.2	6.2	6.2	4.7	3.1	1.6	0.0	0.0
85°	6.2	6.2	6.2	6.2	6.2	6.2	4.7	3.1	1.6	0.0	0.0
87.5°	6.2	6.2	6.2	6.2	6.2	6.2	4.7	3.1	1.6	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)