

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: P635382

Luminaire Tested: GWS-SA3D-760-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635382
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-SA3D-760-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13371.9 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G0

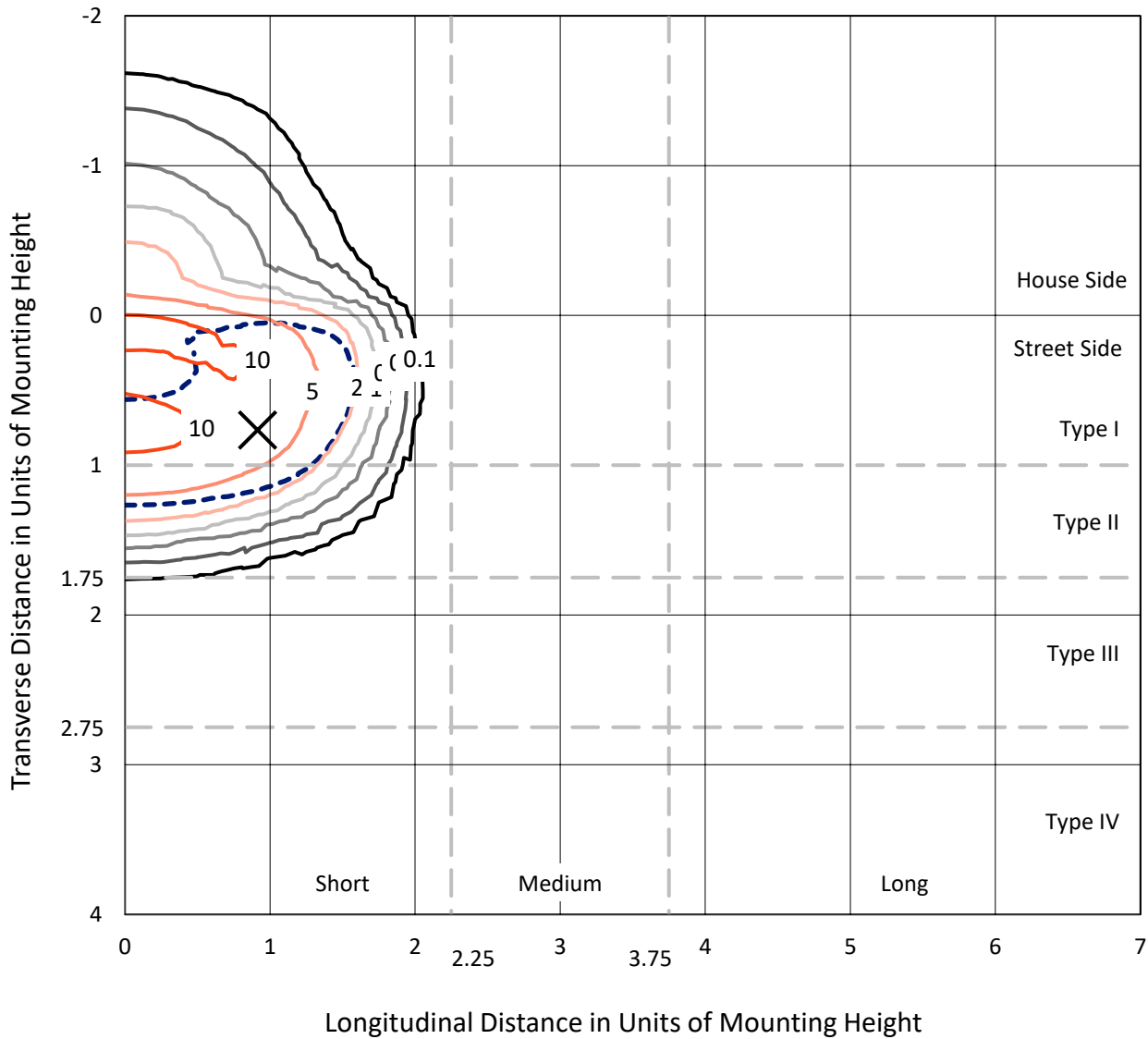
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

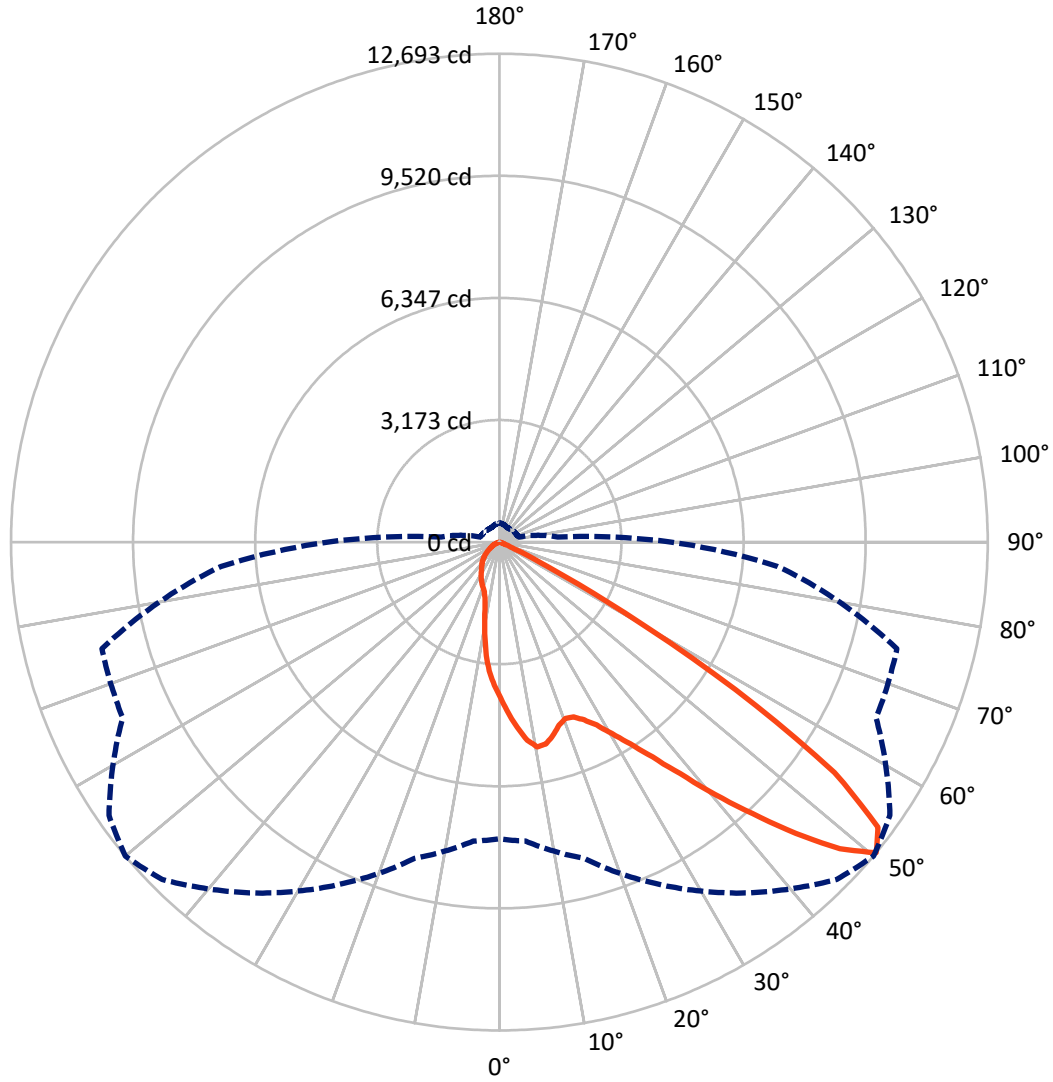
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13 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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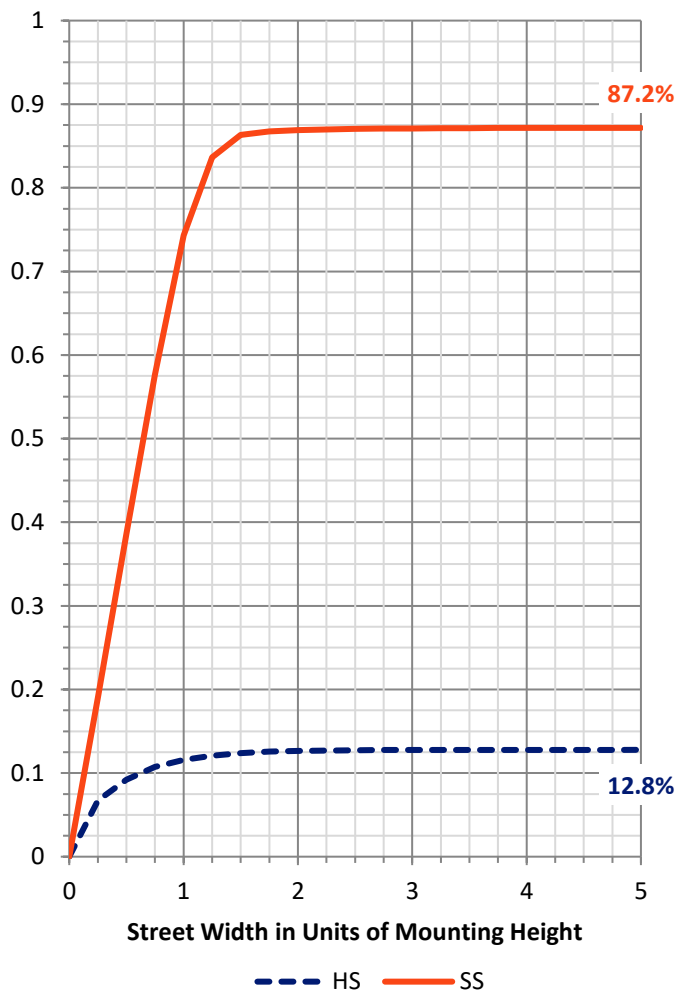
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1718.1	0.0	1718.1
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	11653.8	0.0	11653.8
	% Fixture	87.2	0.0	87.2
Total	Lumens	13371.9	0.0	13371.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.8	2.8
10°-20°	969.6	7.3
20°-30°	1600.2	12.0
30°-40°	2640.7	19.7
40°-50°	4178.2	31.2
50°-60°	3163.3	23.7
60°-70°	395.9	3.0
70°-80°	44.8	0.3
80°-90°	3.4	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°	13371.9	100.0
0°-180°	13371.9	100.0

Coefficient of Utilization

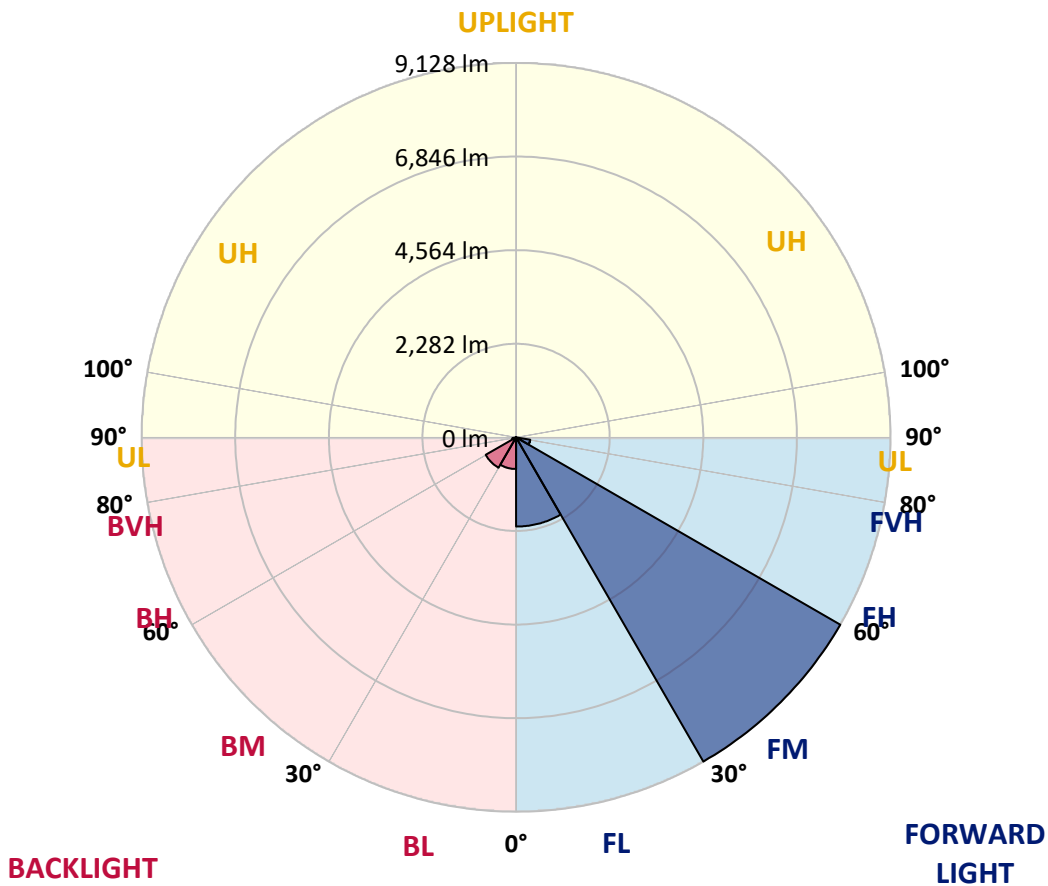


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2174.5	16.3			
FM (30°-60°)	9127.7	68.3			
FH (60°-80°)	350.0	2.6			G0/660
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	771.1	5.8	B2/1000		
BM (30°-60°)	854.4	6.4	B1/1000		
BH (60°-80°)	90.7	0.7	B0/110		G0/110
BVH (80°-90°)	1.8	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4051.2	4051.2	4051.2	4051.2	4051.2	4051.2	4051.2	4051.2	4051.2	4051.2	4051.2
2.5°	4616.3	4653.2	4643.0	4594.6	4542.4	4505.5	4448.3	4430.4	4300.6	4210.2	4114.8
5°	5173.7	5185.2	5172.4	5113.9	5022.3	4934.4	4840.3	4785.5	4567.9	4371.9	4172.1
7.5°	5307.4	5293.4	5317.5	5346.8	5334.1	5295.9	5196.6	5136.8	4877.2	4557.7	4254.8
10°	4889.9	4858.1	4948.4	5099.9	5259.0	5438.4	5413.0	5418.1	5178.8	4791.9	4363.0
12.5°	4336.2	4323.5	4391.0	4566.6	4878.4	5285.7	5383.7	5547.9	5455.0	5045.2	4486.4
15°	4093.2	4099.5	4140.2	4251.0	4475.0	4981.5	5217.0	5513.5	5701.9	5290.8	4622.6
17.5°	4130.1	4153.0	4151.7	4188.6	4324.8	4730.8	5005.7	5405.4	5892.8	5573.4	4779.2
20°	4380.8	4403.7	4369.3	4341.3	4387.2	4667.2	4895.0	5295.9	6021.4	5858.5	4944.6
22.5°	4756.3	4783.0	4701.5	4621.3	4592.1	4771.5	4937.0	5251.4	6119.4	6119.4	5092.3
25°	5210.6	5247.5	5121.5	4979.0	4897.5	4991.7	5116.4	5351.9	6219.9	6353.6	5192.8
27.5°	5718.5	5719.7	5611.5	5451.2	5298.4	5309.9	5385.0	5578.5	6330.6	6605.6	5271.7
30°	6289.9	6293.7	6149.9	5957.7	5765.5	5713.4	5777.0	5923.4	6561.0	6922.5	5381.2
32.5°	7028.1	7045.9	6839.7	6557.2	6307.7	6209.7	6246.6	6400.6	6927.6	7319.6	5545.4
35°	8025.9	8045.0	7740.8	7367.9	6970.8	6823.2	6860.1	7015.4	7458.3	7883.4	5807.5
37.5°	9011.0	9036.5	8728.5	8381.0	7836.3	7591.9	7630.1	7777.8	8255.0	8662.3	6227.6
40°	9692.0	9726.3	9630.9	9396.7	8891.4	8570.7	8616.5	8670.0	9132.0	9594.0	6772.3
42.5°	10050.9	10099.2	10140.0	10259.6	9993.6	9725.1	9647.4	9651.2	10024.2	10543.4	7338.7
45°	10072.5	10119.6	10328.3	10790.4	10992.7	10936.7	10795.4	10700.0	10705.1	11176.0	7692.5
47.5°	9372.5	9460.3	9851.1	10756.0	11517.1	11981.6	11910.4	11683.8	10991.4	11218.0	7654.3
50°	7714.1	7800.7	8510.9	9812.9	11135.3	12399.1	12693.1	12388.9	10804.4	10694.9	7261.0
52.5°	5602.6	5611.5	6072.3	7593.2	9587.6	11629.1	12321.5	12292.2	10519.3	10061.1	6723.9
55°	2661.3	2629.5	3147.5	4285.3	6631.0	9405.6	10572.7	10903.6	10114.5	9602.9	6307.7
57.5°	775.1	790.4	1020.7	1672.4	3316.8	6011.2	7240.7	7856.7	8302.1	7894.9	4892.4
60°	347.5	348.7	388.2	509.1	1104.7	2796.2	3743.1	4505.5	4963.7	4599.7	2427.1
62.5°	252.0	253.3	268.5	287.6	375.5	946.9	1403.8	1870.9	1905.3	1247.3	614.7
65°	210.0	210.0	212.5	212.5	225.3	338.6	426.4	549.8	463.3	343.6	240.5
67.5°	169.3	170.5	173.1	173.1	169.3	169.3	183.3	201.1	215.1	266.0	221.5
70°	132.4	131.1	131.1	132.4	128.5	109.5	118.4	134.9	147.6	207.5	192.2
72.5°	103.1	104.4	103.1	98.0	89.1	64.9	70.0	87.8	94.2	129.8	129.8
75°	77.6	78.9	73.8	56.0	36.9	20.4	26.7	43.3	54.7	63.6	47.1
77.5°	10.2	10.2	7.6	7.6	6.4	7.6	7.6	10.2	15.3	15.3	11.5
80°	1.3	1.3	1.3	2.5	3.8	5.1	5.1	5.1	5.1	6.4	6.4
82.5°	1.3	1.3	1.3	1.3	3.8	3.8	5.1	5.1	5.1	5.1	5.1
85°	0.0	0.0	0.0	1.3	2.5	3.8	3.8	5.1	5.1	5.1	5.1
87.5°	0.0	0.0	0.0	1.3	2.5	3.8	3.8	3.8	5.1	5.1	5.1
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°	4051.2	4051.2	4051.2	4051.2	4051.2	4051.2	4051.2	4051.2	4051.2	4051.2	4051.2
2.5°	4057.5	3983.7	3894.6	3833.5	3747.0	3689.7	3608.2	3553.5	3506.4	3469.5	3489.9
5°	4058.8	3941.7	3759.7	3604.4	3435.1	3279.9	3113.1	2982.0	2863.7	2810.2	2839.5
7.5°	4084.2	3916.2	3637.5	3361.3	3036.8	2716.0	2415.7	2171.3	2050.4	1993.1	2010.9
10°	4133.9	3904.8	3501.3	3043.1	2516.2	2078.4	1786.9	1621.5	1554.0	1518.4	1524.8
12.5°	4179.7	3897.2	3324.4	2624.4	1985.5	1612.6	1461.1	1438.2	1452.2	1453.5	1452.2
15°	4242.1	3883.2	3105.5	2194.2	1588.4	1393.7	1397.5	1430.6	1463.7	1473.8	1471.3
17.5°	4308.2	3861.5	2823.0	1781.8	1347.8	1330.0	1374.6	1419.1	1452.2	1457.3	1458.6
20°	4377.0	3817.0	2500.9	1454.7	1235.8	1281.7	1331.3	1364.4	1388.6	1396.2	1398.7
22.5°	4408.8	3722.8	2129.3	1220.6	1160.7	1221.8	1258.7	1302.0	1309.7	1281.7	1286.7
25°	4392.3	3563.7	1766.6	1062.7	1085.7	1146.7	1201.5	1179.8	1148.0	1127.7	1134.0
27.5°	4340.1	3352.4	1411.5	946.9	1005.5	1083.1	1089.5	1065.3	1060.2	1043.7	1048.7
30°	4284.1	3109.3	1135.3	854.0	924.0	1005.5	986.4	995.3	996.6	977.5	983.8
32.5°	4249.7	2854.8	903.7	791.6	871.8	887.1	925.3	943.1	944.4	899.8	907.5
35°	4261.2	2604.0	764.9	740.7	823.5	819.6	873.1	883.3	809.5	748.4	754.7
37.5°	4354.1	2372.4	686.0	701.3	739.5	768.7	809.5	742.0	725.5	697.5	701.3
40°	4527.2	2175.1	638.9	677.1	682.2	729.3	666.9	675.8	677.1	659.3	663.1
42.5°	4729.5	2010.9	610.9	663.1	650.4	658.0	595.6	613.5	632.6	624.9	626.2
45°	4831.3	1850.6	586.7	614.7	618.6	546.0	532.0	551.1	575.3	579.1	580.4
47.5°	4741.0	1697.8	561.3	544.7	570.2	497.6	481.1	487.5	515.5	530.7	533.3
50°	4464.8	1522.2	523.1	482.4	468.4	446.7	431.5	432.7	464.6	491.3	496.4
52.5°	4076.6	1338.9	460.7	408.6	376.7	393.3	397.1	389.5	418.7	445.5	450.6
55°	3699.9	1109.8	365.3	332.2	302.9	338.6	348.7	338.6	347.5	365.3	366.6
57.5°	2605.3	627.5	280.0	274.9	250.7	290.2	306.7	291.5	276.2	287.6	290.2
60°	1207.8	328.4	215.1	215.1	208.7	249.5	277.5	255.8	226.5	231.6	235.5
62.5°	378.0	207.5	157.8	148.9	170.5	212.5	235.5	213.8	179.5	179.5	184.5
65°	213.8	178.2	124.7	114.5	138.7	170.5	184.5	161.6	131.1	128.5	128.5
67.5°	198.5	169.3	110.7	92.9	98.0	109.5	114.5	99.3	90.4	89.1	90.4
70°	164.2	141.3	89.1	63.6	59.8	58.5	61.1	57.3	54.7	56.0	59.8
72.5°	101.8	85.3	56.0	38.2	33.1	31.8	31.8	31.8	30.5	30.5	30.5
75°	36.9	31.8	25.5	19.1	16.5	15.3	15.3	16.5	15.3	14.0	12.7
77.5°	11.5	10.2	10.2	10.2	8.9	7.6	6.4	6.4	5.1	3.8	3.8
80°	6.4	6.4	6.4	6.4	5.1	5.1	3.8	2.5	1.3	1.3	0.0
82.5°	6.4	6.4	6.4	5.1	5.1	5.1	3.8	2.5	1.3	0.0	0.0
85°	5.1	5.1	5.1	5.1	5.1	5.1	3.8	2.5	1.3	0.0	0.0
87.5°	5.1	5.1	5.1	5.1	5.1	5.1	3.8	2.5	1.3	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)