

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: P635384

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14889 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

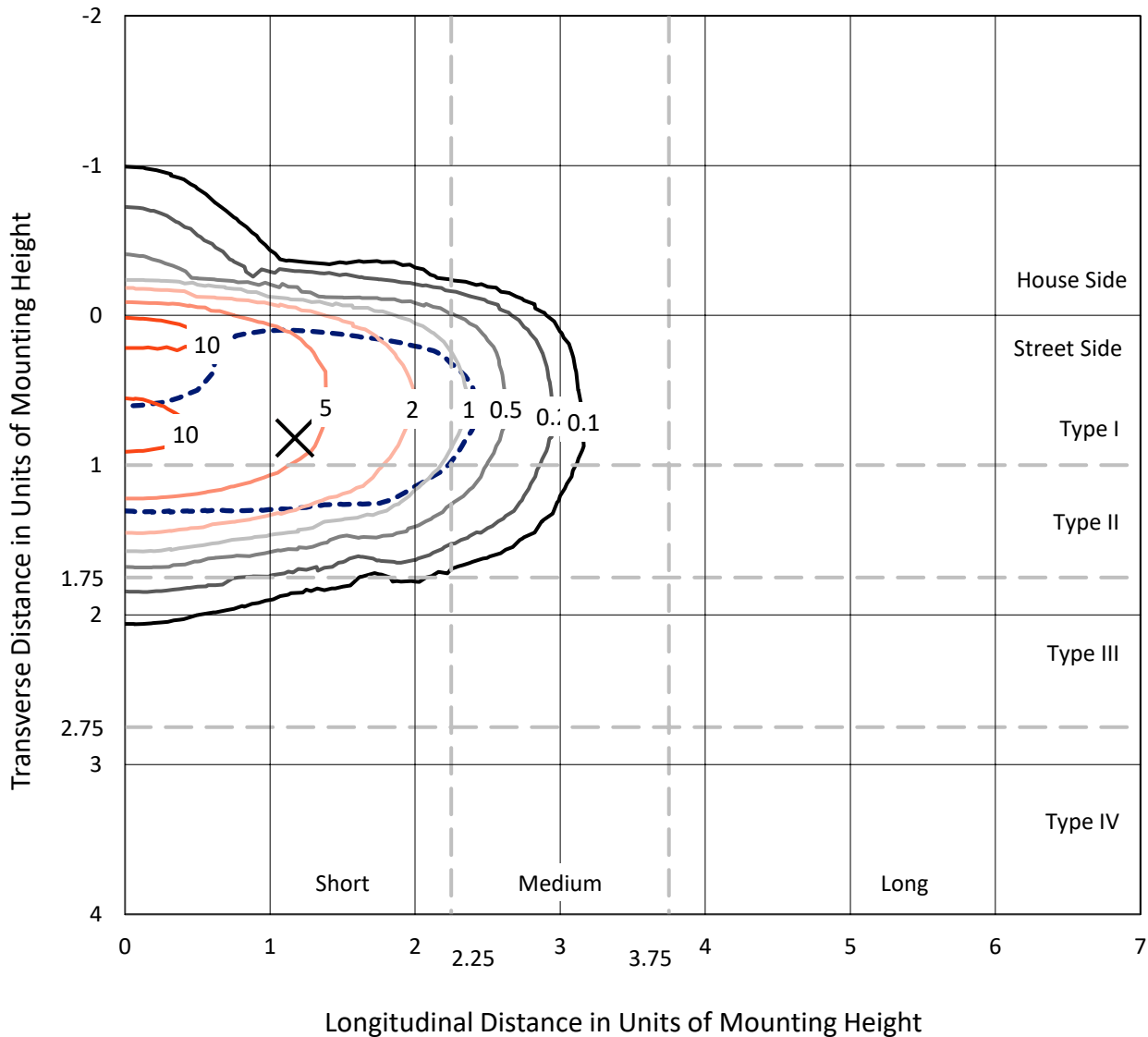
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

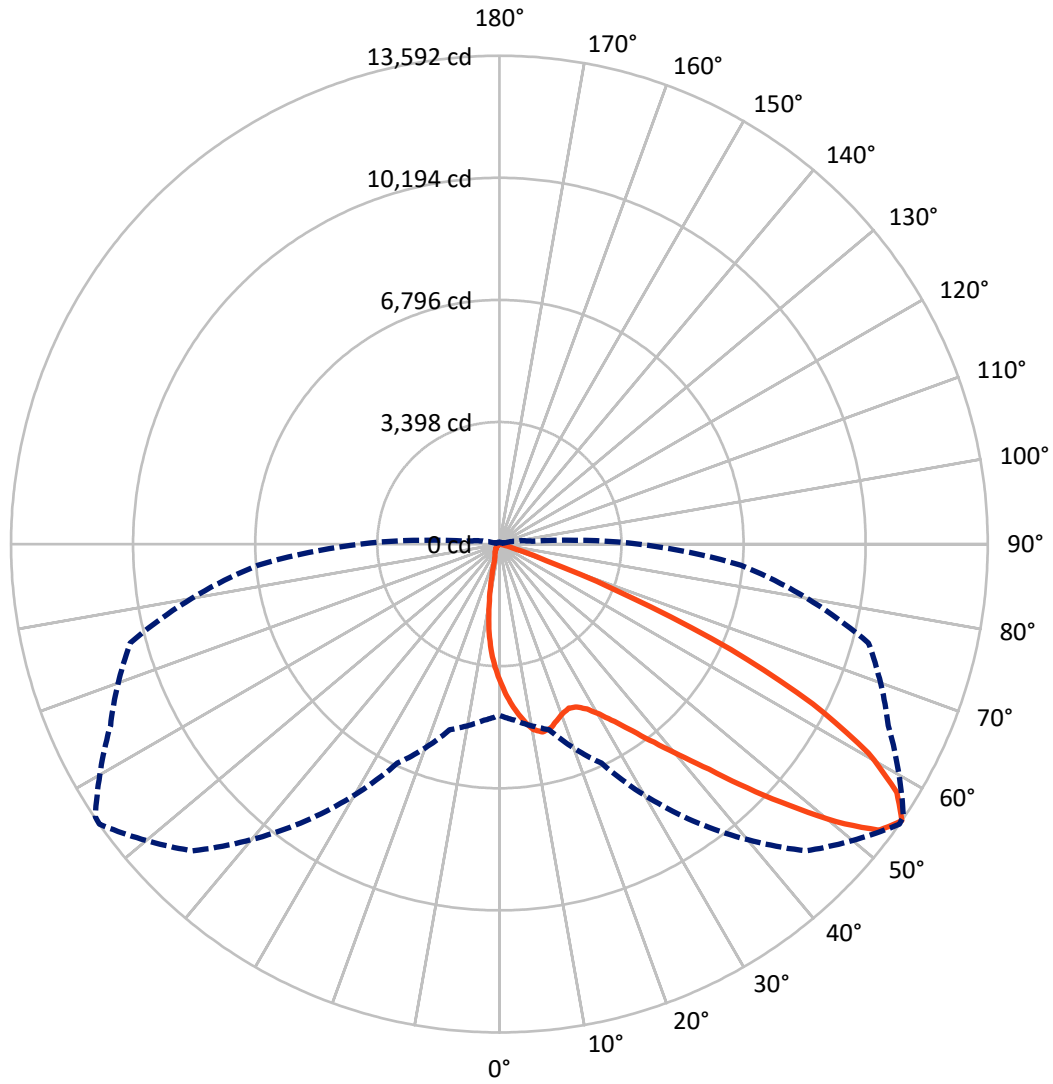
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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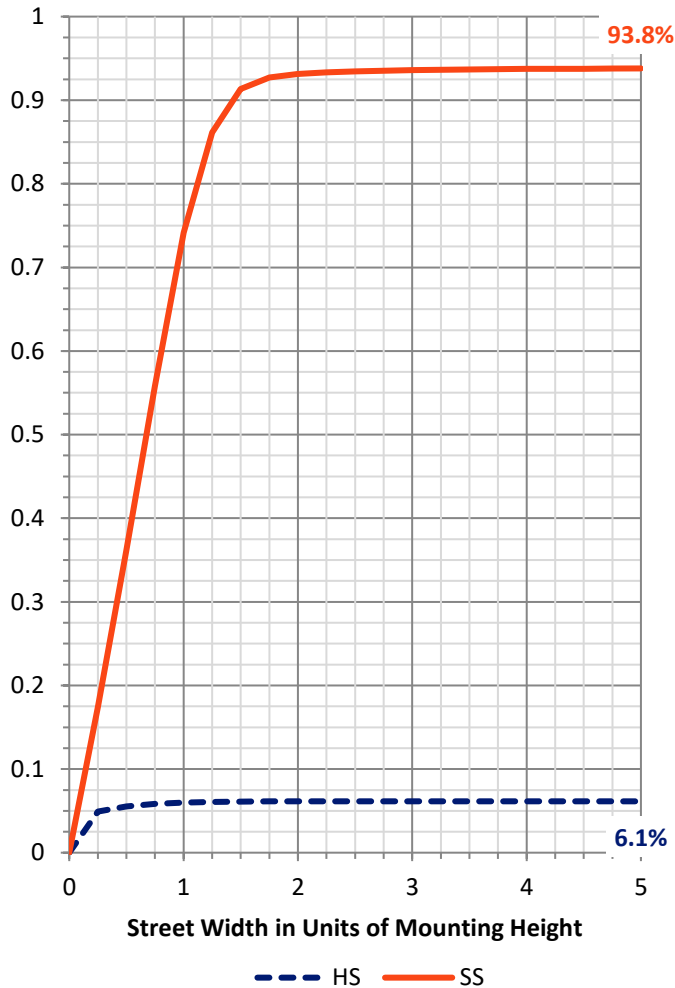
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	918.7	0.0	918.7
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	13970.3	0.0	13970.3
	% Fixture	93.8	0.0	93.8
Total	Lumens	14889.0	0.0	14889.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.9	2.3
10°-20°	819.5	5.5
20°-30°	1364.9	9.2
30°-40°	2325.8	15.6
40°-50°	3796.5	25.5
50°-60°	3974.8	26.7
60°-70°	2004.8	13.5
70°-80°	253.2	1.7
80°-90°	9.6	0.1
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°	14889.0	100.0
0°-180°	14889.0	100.0

Coefficient of Utilization



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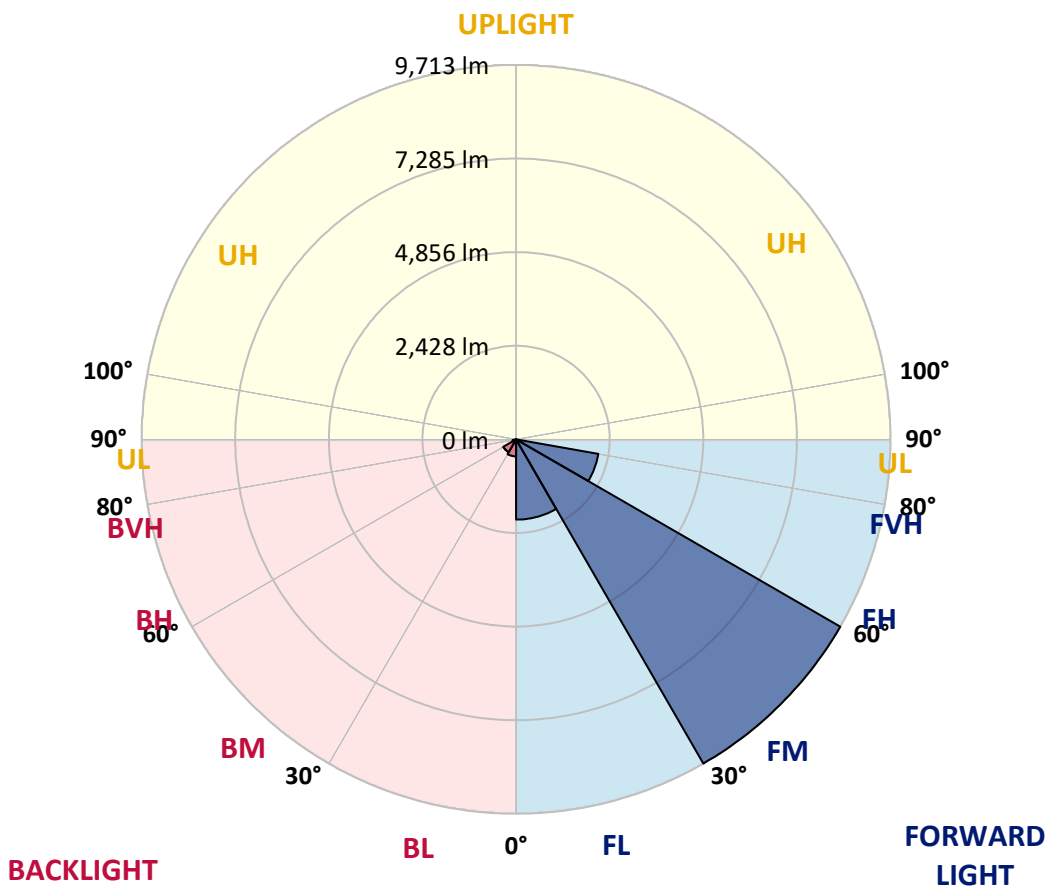
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2082.8	14.0			
FM (30°-60°)	9712.9	65.2			
FH (60°-80°)	2165.9	14.5			G2/5000
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	441.6	3.0	B1/500		
BM (30°-60°)	384.1	2.6	B1/1000		
BH (60°-80°)	92.2	0.6	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3846.4	3846.4	3846.4	3846.4	3846.4	3846.4	3846.4	3846.4	3846.4	3846.4	3846.4
2.5°	4484.1	4462.5	4495.6	4457.4	4392.5	4337.8	4266.5	4241.0	4126.5	4018.3	3913.9
5°	5028.9	5035.3	5025.1	4971.6	4880.0	4778.1	4634.3	4602.5	4402.7	4196.5	3973.7
7.5°	5163.8	5160.0	5181.6	5202.0	5186.7	5135.8	4979.3	4947.4	4699.2	4389.9	4065.4
10°	4747.6	4750.1	4794.7	4932.2	5102.7	5279.6	5255.5	5237.6	4994.5	4608.9	4167.2
12.5°	4159.6	4182.5	4229.6	4425.6	4714.5	5116.7	5366.2	5384.0	5265.6	4849.4	4286.8
15°	3905.0	3910.1	3948.3	4066.6	4281.7	4778.1	5319.1	5368.7	5492.2	5091.3	4416.7
17.5°	3898.6	3905.0	3921.5	3973.7	4113.7	4512.1	5167.6	5254.2	5662.8	5350.9	4571.9
20°	4137.9	4134.1	4122.6	4094.6	4155.7	4424.3	5027.6	5123.1	5755.7	5604.2	4728.5
22.5°	4571.9	4566.9	4515.9	4400.1	4350.5	4504.5	4958.9	5045.4	5811.7	5829.5	4857.1
25°	5072.2	5107.8	5012.3	4836.7	4714.5	4709.4	5020.0	5081.1	5860.0	6029.3	4944.9
27.5°	5620.7	5632.2	5550.7	5353.5	5176.5	5037.8	5196.9	5242.7	5913.5	6207.5	4994.5
30°	6222.8	6219.0	6126.1	5896.9	5681.8	5482.0	5494.7	5512.6	6038.2	6411.2	5049.3
32.5°	6975.0	6991.6	6826.1	6514.3	6255.9	5979.7	5884.2	5886.8	6263.5	6673.4	5132.0
35°	7997.1	7956.4	7737.4	7293.2	6852.8	6555.0	6392.1	6378.1	6611.0	7025.9	5275.8
37.5°	8970.8	8974.6	8745.5	8256.7	7700.5	7230.9	7000.5	6962.3	7099.8	7514.7	5515.1
40°	9646.7	9659.4	9563.9	9308.1	8718.8	8054.4	7715.8	7676.3	7733.6	8133.3	5828.2
42.5°	10004.3	10040.0	10066.7	10126.5	9679.8	9082.8	8562.2	8558.4	8498.6	8838.4	6191.0
45°	10018.3	10071.8	10234.7	10643.3	10694.2	10256.3	9689.9	9604.7	9374.3	9593.2	6515.5
47.5°	9464.6	9588.1	9934.3	10743.8	11278.4	11423.5	10862.2	10810.0	10163.4	10190.2	6758.6
50°	8174.0	8302.6	8940.2	10228.3	11426.1	12350.1	12149.0	12040.8	10822.7	10584.7	6875.7
52.5°	6850.3	6967.4	7400.1	9001.3	10813.8	12641.6	13233.5	13104.9	11414.6	10722.2	6827.4
55°	4766.7	4923.2	5345.8	6728.1	9403.6	12073.9	13592.4	13565.7	11942.8	10635.6	6752.3
57.5°	2336.9	2492.2	2913.5	4148.1	6966.1	10541.5	13043.8	13185.1	12258.5	10542.7	6691.2
60°	976.2	1039.9	1185.0	1820.1	3897.4	7966.5	11805.4	12001.4	12065.0	10416.7	6684.8
62.5°	566.4	576.6	591.9	754.8	1515.9	4566.9	9793.0	10071.8	11048.0	10250.0	6584.3
65°	427.7	431.5	425.1	463.3	626.2	1732.3	7075.6	7454.9	9221.5	9598.3	6187.2
67.5°	351.3	351.3	334.8	342.4	393.3	649.1	3906.3	4435.8	6823.6	7888.9	5109.1
70°	280.0	286.4	278.7	268.6	281.3	358.9	1389.9	1723.4	3973.7	4658.5	2979.7
72.5°	212.6	212.6	225.3	217.7	208.7	225.3	484.9	544.8	1594.8	1942.3	1075.5
75°	164.2	169.3	178.2	170.6	157.8	133.6	232.9	246.9	481.1	451.8	240.6
77.5°	84.0	85.3	113.3	124.7	117.1	81.5	101.8	112.0	156.6	140.0	89.1
80°	50.9	53.5	63.6	98.0	77.6	43.3	42.0	44.5	73.8	63.6	36.9
82.5°	21.6	22.9	35.6	35.6	31.8	16.5	16.5	16.5	35.6	33.1	15.3
85°	0.0	0.0	6.4	5.1	5.1	6.4	6.4	6.4	8.9	12.7	7.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.8	3.8
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°	3846.4	3846.4	3846.4	3846.4	3846.4	3846.4	3846.4	3846.4	3846.4	3846.4	3846.4
2.5°	3846.4	3765.0	3655.5	3556.2	3422.6	3347.5	3243.1	3157.9	3085.3	3062.4	3052.2
5°	3847.7	3707.7	3473.5	3239.3	2951.7	2725.1	2492.2	2307.6	2156.1	2107.8	2095.1
7.5°	3873.2	3667.0	3287.7	2862.6	2381.4	1984.3	1629.2	1311.0	1163.4	1113.7	1103.5
10°	3907.5	3632.6	3072.6	2410.7	1719.6	1209.2	856.6	653.0	556.2	502.8	510.4
12.5°	3952.1	3604.6	2834.6	1921.9	1137.9	664.4	470.9	394.6	374.2	364.0	358.9
15°	4011.9	3571.5	2539.3	1437.0	697.5	427.7	362.8	342.4	334.8	329.7	328.4
17.5°	4073.0	3533.3	2238.9	1010.6	463.3	355.1	325.8	315.7	310.6	306.7	305.5
20°	4137.9	3468.4	1886.3	696.2	365.3	319.5	300.4	288.9	282.6	276.2	274.9
22.5°	4165.9	3364.0	1549.0	487.5	324.6	294.0	269.8	255.8	248.2	243.1	243.1
25°	4139.2	3194.8	1200.3	370.4	295.3	266.0	241.8	226.6	220.2	215.1	215.1
27.5°	4067.9	2977.1	875.7	306.7	263.5	236.7	213.8	199.8	194.7	192.2	192.2
30°	3989.0	2702.2	617.3	263.5	227.8	206.2	187.1	178.2	176.9	174.4	174.4
32.5°	3921.5	2445.1	425.1	231.7	201.1	179.5	166.7	162.9	164.2	161.6	162.9
35°	3884.6	2193.1	315.7	206.2	179.5	159.1	152.7	152.7	152.7	151.5	151.5
37.5°	3899.9	1944.9	257.1	188.4	160.4	145.1	138.7	141.3	143.8	143.8	143.8
40°	3976.3	1724.7	227.8	171.8	143.8	132.4	127.3	131.1	134.9	137.5	137.5
42.5°	4073.0	1546.5	206.2	157.8	132.4	119.6	117.1	120.9	124.7	127.3	127.3
45°	4134.1	1367.0	184.6	140.0	120.9	105.6	105.6	110.7	109.5	110.7	110.7
47.5°	4162.1	1224.4	162.9	120.9	103.1	91.6	92.9	95.5	92.9	95.5	95.5
50°	4093.4	1080.6	143.8	100.6	85.3	80.2	82.7	81.5	81.5	86.6	86.6
52.5°	3967.4	973.7	127.3	85.3	72.6	71.3	73.8	68.7	70.0	70.0	68.7
55°	3874.4	912.6	113.3	73.8	62.4	63.6	62.4	53.5	48.4	43.3	42.0
57.5°	3828.6	888.4	103.1	66.2	56.0	56.0	50.9	36.9	28.0	21.6	19.1
60°	3818.4	859.1	92.9	57.3	49.6	47.1	36.9	21.6	14.0	10.2	8.9
62.5°	3721.7	787.9	84.0	45.8	43.3	38.2	22.9	12.7	7.6	5.1	3.8
65°	3404.8	647.9	75.1	35.6	33.1	28.0	14.0	7.6	3.8	1.3	0.0
67.5°	2708.5	459.5	66.2	26.7	22.9	17.8	8.9	5.1	1.3	0.0	0.0
70°	1561.7	248.2	54.7	19.1	15.3	11.5	6.4	2.5	0.0	0.0	0.0
72.5°	521.9	115.8	42.0	12.7	11.5	8.9	3.8	1.3	0.0	0.0	0.0
75°	114.6	68.7	28.0	8.9	7.6	6.4	2.5	0.0	0.0	0.0	0.0
77.5°	43.3	48.4	14.0	6.4	5.1	3.8	1.3	0.0	0.0	0.0	0.0
80°	16.5	31.8	6.4	3.8	3.8	1.3	0.0	0.0	0.0	0.0	0.0
82.5°	8.9	12.7	3.8	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	6.4	2.5	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	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)