

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: P635329

Luminaire Tested: GWS-SA3D-750-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635329
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15095.9 lumens
Efficiency: N/A
Efficacy: 125.0 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

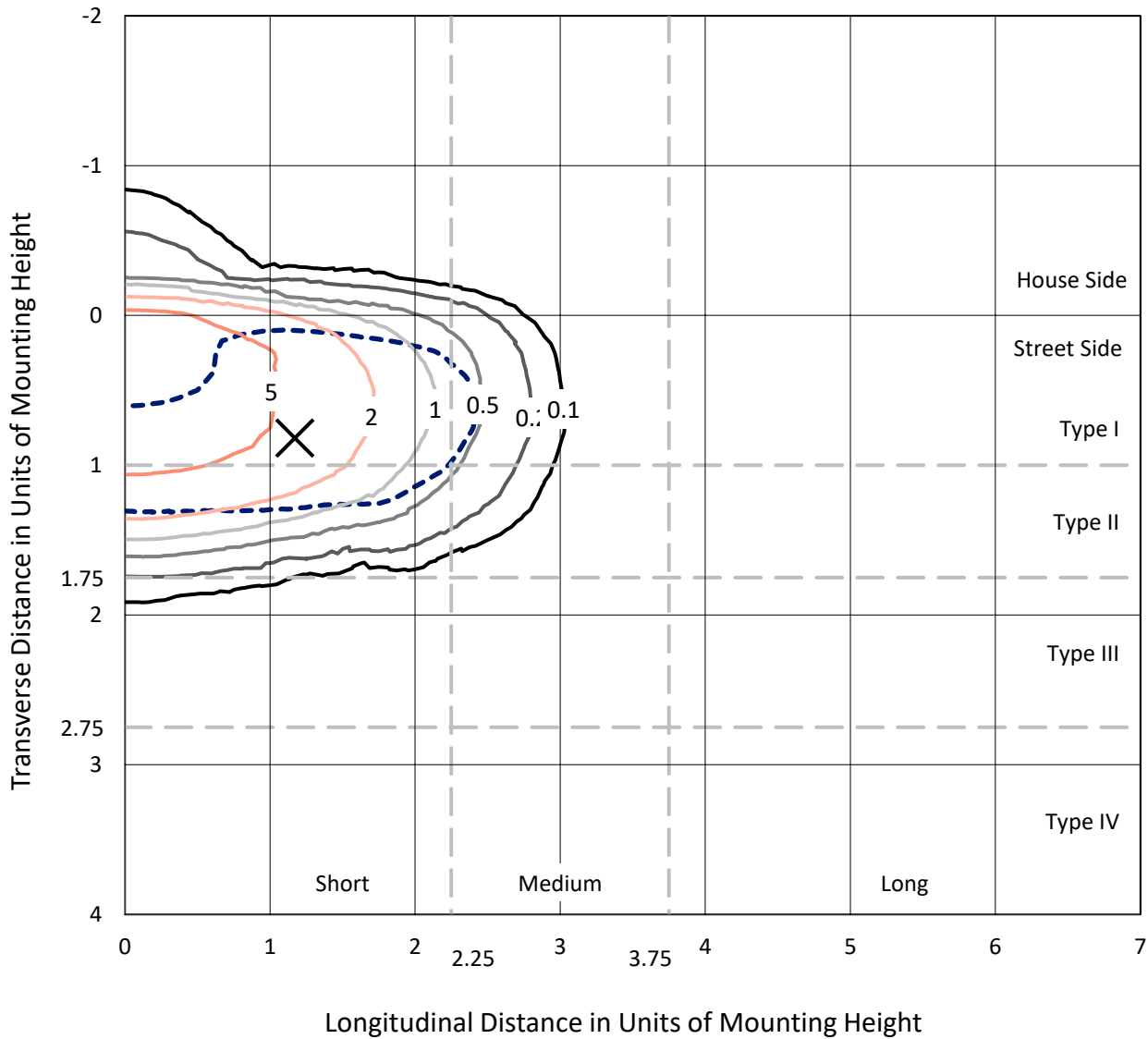
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

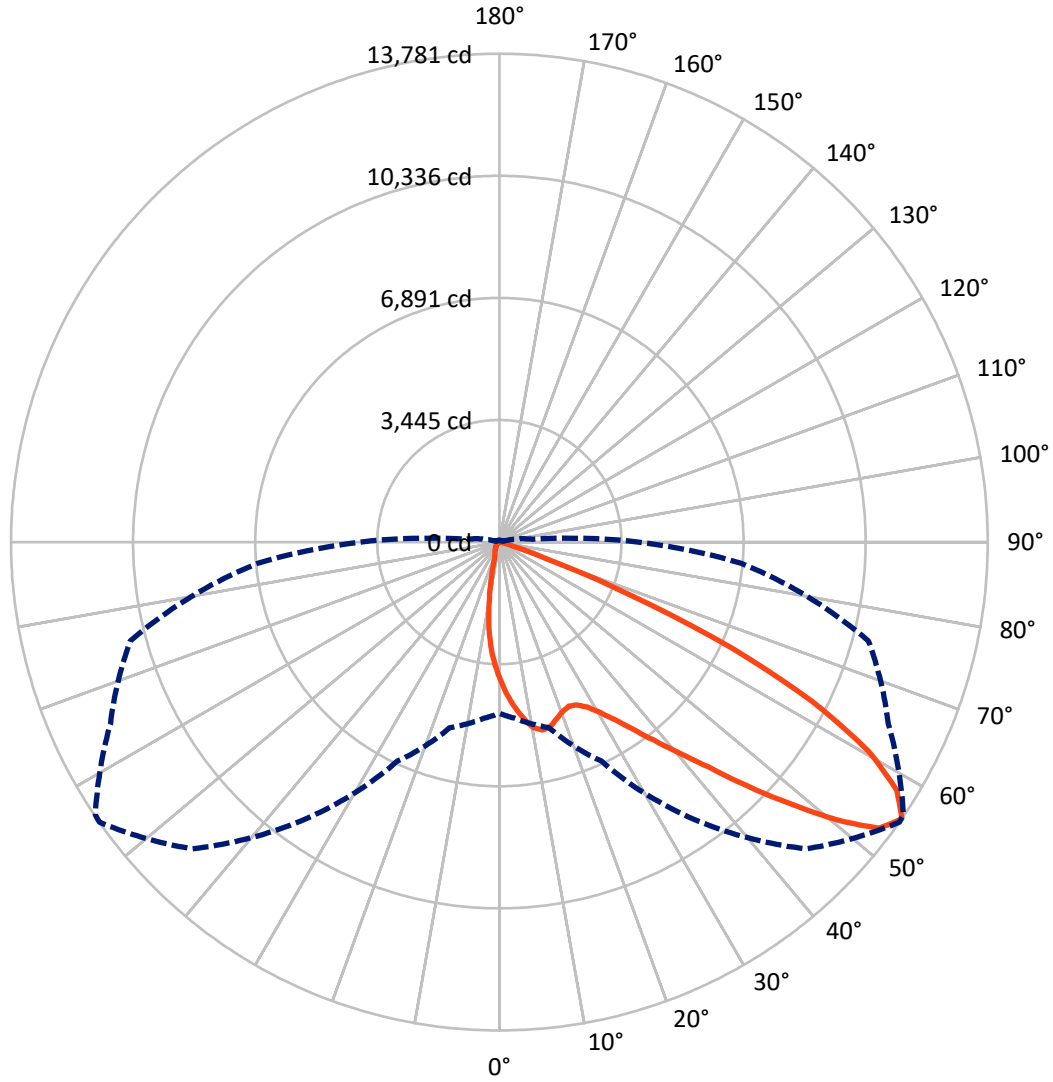
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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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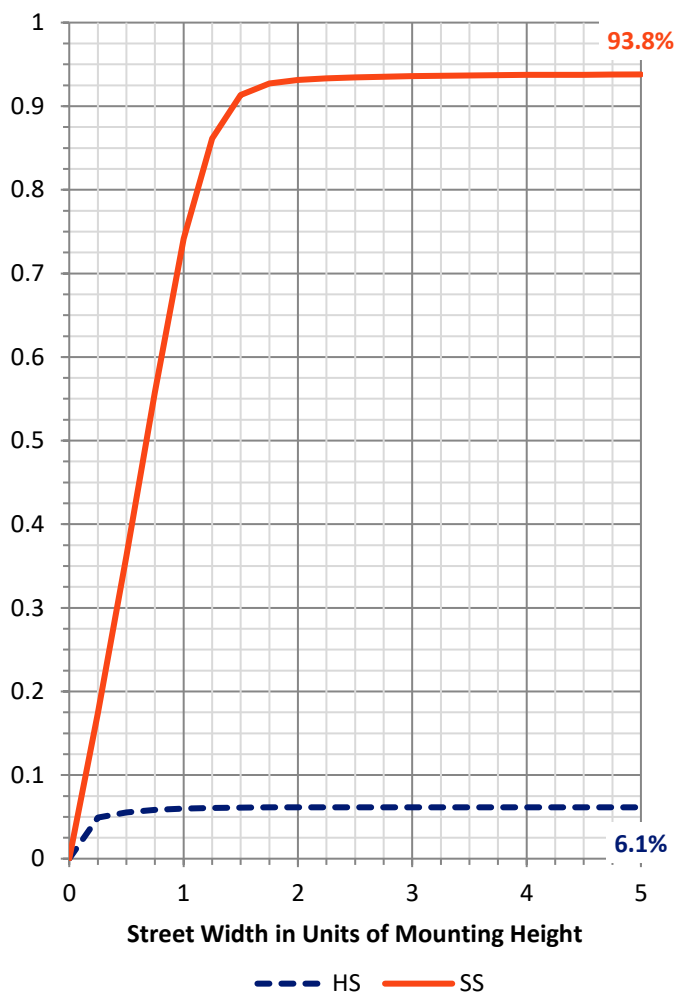
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	931.5	0.0	931.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	14164.4	0.0	14164.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	15095.9	0.0	15095.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.7	2.3
10°-20°	830.9	5.5
20°-30°	1383.8	9.2
30°-40°	2358.1	15.6
40°-50°	3849.3	25.5
50°-60°	4030.0	26.7
60°-70°	2032.6	13.5
70°-80°	256.8	1.7
80°-90°	9.8	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°	15095.9	100.0
0°-180°	15095.9	100.0

Coefficient of Utilization



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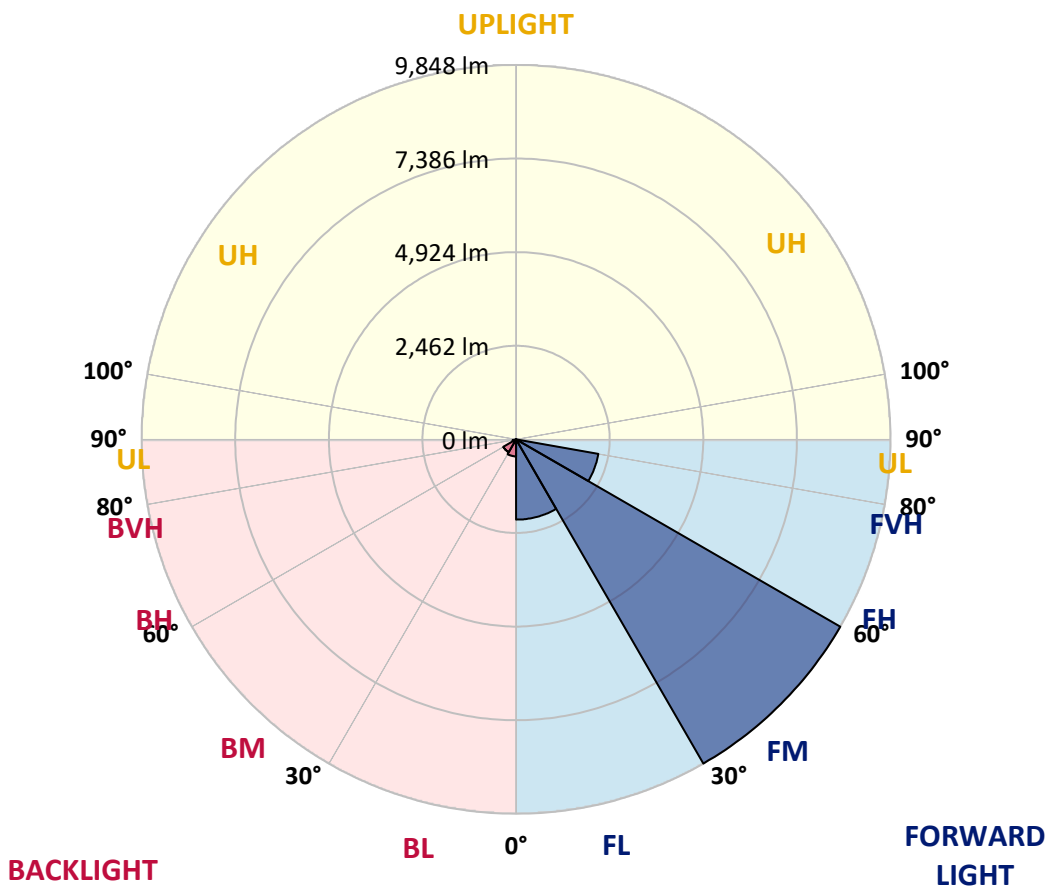
CATALOG NUMBER: GWS-SA3D-750-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2111.7	14.0			
FM (30°-60°)	9847.9	65.2			
FH (60°-80°)	2196.0	14.5			G2/5000
FVH (80°-90°)	8.9	0.1			G0/10
BL (0°-30°)	447.7	3.0	B1/500		
BM (30°-60°)	389.5	2.6	B1/1000		
BH (60°-80°)	93.4	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°	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9
2.5°	4546.4	4524.5	4558.1	4519.3	4453.5	4398.0	4325.8	4300.0	4183.8	4074.1	3968.3
5°	5098.8	5105.2	5094.9	5040.7	4947.8	4844.5	4698.7	4666.5	4463.8	4254.8	4028.9
7.5°	5235.6	5231.7	5253.6	5274.3	5258.8	5207.2	5048.4	5016.2	4764.5	4450.9	4121.9
10°	4813.6	4816.2	4861.3	5000.7	5173.6	5353.0	5328.5	5310.4	5063.9	4672.9	4225.1
12.5°	4217.4	4240.6	4288.3	4487.1	4780.0	5187.8	5440.8	5458.8	5338.8	4916.8	4346.4
15°	3959.3	3964.4	4003.1	4123.2	4341.2	4844.5	5393.0	5443.3	5568.5	5162.0	4478.0
17.5°	3952.8	3959.3	3976.0	4028.9	4170.9	4574.8	5239.4	5327.2	5741.4	5425.3	4635.5
20°	4195.4	4191.5	4179.9	4151.5	4213.5	4485.8	5097.5	5194.3	5835.6	5682.1	4794.2
22.5°	4635.5	4630.3	4578.7	4461.3	4410.9	4567.1	5027.8	5115.5	5892.4	5910.5	4924.6
25°	5142.6	5178.8	5082.0	4903.9	4780.0	4774.9	5089.7	5151.7	5941.5	6113.1	5013.6
27.5°	5698.9	5710.5	5627.9	5427.9	5248.5	5107.8	5269.1	5315.6	5995.7	6293.8	5063.9
30°	6309.3	6305.4	6211.2	5978.9	5760.8	5558.2	5571.1	5589.2	6122.1	6500.3	5119.4
32.5°	7071.9	7088.7	6921.0	6604.8	6342.8	6062.8	5966.0	5968.6	6350.6	6766.1	5203.3
35°	8108.2	8066.9	7845.0	7394.6	6948.1	6646.1	6480.9	6466.7	6702.9	7123.6	5349.1
37.5°	9095.5	9099.3	8867.0	8371.5	7807.5	7331.3	7097.8	7059.0	7198.4	7619.1	5591.7
40°	9780.7	9793.6	9696.8	9437.4	8839.9	8166.3	7823.0	7783.0	7841.1	8246.3	5909.2
42.5°	10143.3	10179.5	10206.6	10267.2	9814.3	9209.0	8681.2	8677.3	8616.7	8961.2	6277.0
45°	10157.5	10211.7	10376.9	10791.2	10842.8	10398.9	9824.6	9738.1	9504.5	9726.5	6606.1
47.5°	9596.2	9721.3	10072.4	10893.1	11435.1	11582.3	11013.1	10960.2	10304.7	10331.8	6852.6
50°	8287.6	8417.9	9064.5	10370.5	11584.8	12521.7	12317.8	12208.1	10973.1	10731.8	6971.3
52.5°	6945.5	7064.2	7503.0	9126.4	10964.1	12817.3	13417.3	13287.0	11573.2	10871.2	6922.3
55°	4832.9	4991.7	5420.1	6821.6	9534.2	12241.7	13781.3	13754.2	12108.8	10783.4	6846.1
57.5°	2369.4	2526.8	2954.0	4205.7	7062.9	10687.9	13225.1	13368.3	12428.8	10689.2	6784.2
60°	989.8	1054.3	1201.5	1845.4	3951.5	8077.3	11969.4	12168.1	12232.7	10561.5	6777.7
62.5°	574.3	584.6	600.1	765.3	1537.0	4630.3	9929.1	10211.7	11201.6	10392.4	6675.8
65°	433.6	437.5	431.0	469.7	634.9	1756.4	7173.9	7558.5	9349.7	9731.7	6273.1
67.5°	356.2	356.2	339.4	347.1	398.8	658.2	3960.5	4497.4	6918.4	7998.5	5180.1
70°	283.9	290.4	282.6	272.3	285.2	363.9	1409.2	1747.3	4028.9	4723.2	3021.1
72.5°	215.5	215.5	228.4	220.7	211.6	228.4	491.7	552.3	1617.0	1969.3	1090.5
75°	166.5	171.6	180.7	172.9	160.0	135.5	236.2	250.4	487.8	458.1	243.9
77.5°	85.2	86.5	114.9	126.5	118.7	82.6	103.2	113.6	158.7	142.0	90.3
80°	51.6	54.2	64.5	99.4	78.7	43.9	42.6	45.2	74.8	64.5	37.4
82.5°	21.9	23.2	36.1	36.1	32.3	16.8	16.8	16.8	36.1	33.6	15.5
85°	0.0	0.0	6.5	5.2	5.2	6.5	6.5	6.5	9.0	12.9	7.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.9	3.9
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°	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9
2.5°	3899.9	3817.3	3706.3	3605.7	3470.2	3394.0	3288.2	3201.7	3128.2	3104.9	3094.6
5°	3901.2	3759.2	3521.8	3284.3	2992.7	2763.0	2526.8	2339.7	2186.1	2137.1	2124.2
7.5°	3927.0	3717.9	3333.4	2902.3	2414.5	2011.9	1651.8	1329.2	1179.5	1129.2	1118.9
10°	3961.8	3683.1	3115.3	2444.2	1743.5	1226.0	868.5	662.0	563.9	509.7	517.5
12.5°	4007.0	3654.7	2873.9	1948.7	1153.7	673.6	477.5	400.1	379.4	369.1	363.9
15°	4067.7	3621.1	2574.6	1457.0	707.2	433.6	367.8	347.1	339.4	334.2	332.9
17.5°	4129.6	3582.4	2270.0	1024.7	469.7	360.0	330.4	320.0	314.9	311.0	309.7
20°	4195.4	3516.6	1912.5	705.9	370.4	323.9	304.6	292.9	286.5	280.0	278.7
22.5°	4223.8	3410.8	1570.5	494.3	329.1	298.1	273.6	259.4	251.6	246.5	246.5
25°	4196.7	3239.2	1216.9	375.5	299.4	269.7	245.2	229.7	223.3	218.1	218.1
27.5°	4124.4	3018.5	887.9	311.0	267.1	240.0	216.8	202.6	197.4	194.9	194.9
30°	4044.4	2739.7	625.9	267.1	231.0	209.1	189.7	180.7	179.4	176.8	176.8
32.5°	3976.0	2479.1	431.0	234.9	203.9	182.0	169.1	165.2	166.5	163.9	165.2
35°	3938.6	2223.5	320.0	209.1	182.0	161.3	154.9	154.9	154.9	153.6	153.6
37.5°	3954.1	1971.9	260.7	191.0	162.6	147.1	140.7	143.2	145.8	145.8	145.8
40°	4031.5	1748.6	231.0	174.2	145.8	134.2	129.1	132.9	136.8	139.4	139.4
42.5°	4129.6	1568.0	209.1	160.0	134.2	121.3	118.7	122.6	126.5	129.1	129.1
45°	4191.5	1386.0	187.1	142.0	122.6	107.1	107.1	112.3	111.0	112.3	112.3
47.5°	4219.9	1241.5	165.2	122.6	104.5	92.9	94.2	96.8	94.2	96.8	96.8
50°	4150.3	1095.6	145.8	101.9	86.5	81.3	83.9	82.6	82.6	87.8	87.8
52.5°	4022.5	987.2	129.1	86.5	73.6	72.3	74.8	69.7	71.0	71.0	69.7
55°	3928.3	925.3	114.9	74.8	63.2	64.5	63.2	54.2	49.0	43.9	42.6
57.5°	3881.8	900.8	104.5	67.1	56.8	56.8	51.6	37.4	28.4	21.9	19.4
60°	3871.5	871.1	94.2	58.1	50.3	47.7	37.4	21.9	14.2	10.3	9.0
62.5°	3773.4	798.8	85.2	46.5	43.9	38.7	23.2	12.9	7.7	5.2	3.9
65°	3452.1	656.9	76.1	36.1	33.6	28.4	14.2	7.7	3.9	1.3	0.0
67.5°	2746.2	465.9	67.1	27.1	23.2	18.1	9.0	5.2	1.3	0.0	0.0
70°	1583.4	251.6	55.5	19.4	15.5	11.6	6.5	2.6	0.0	0.0	0.0
72.5°	529.1	117.4	42.6	12.9	11.6	9.0	3.9	1.3	0.0	0.0	0.0
75°	116.1	69.7	28.4	9.0	7.7	6.5	2.6	0.0	0.0	0.0	0.0
77.5°	43.9	49.0	14.2	6.5	5.2	3.9	1.3	0.0	0.0	0.0	0.0
80°	16.8	32.3	6.5	3.9	3.9	1.3	0.0	0.0	0.0	0.0	0.0
82.5°	9.0	12.9	3.9	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.2	6.5	2.6	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	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)