

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: P635886

Luminaire Tested: GWS-SA3E-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17588.1 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

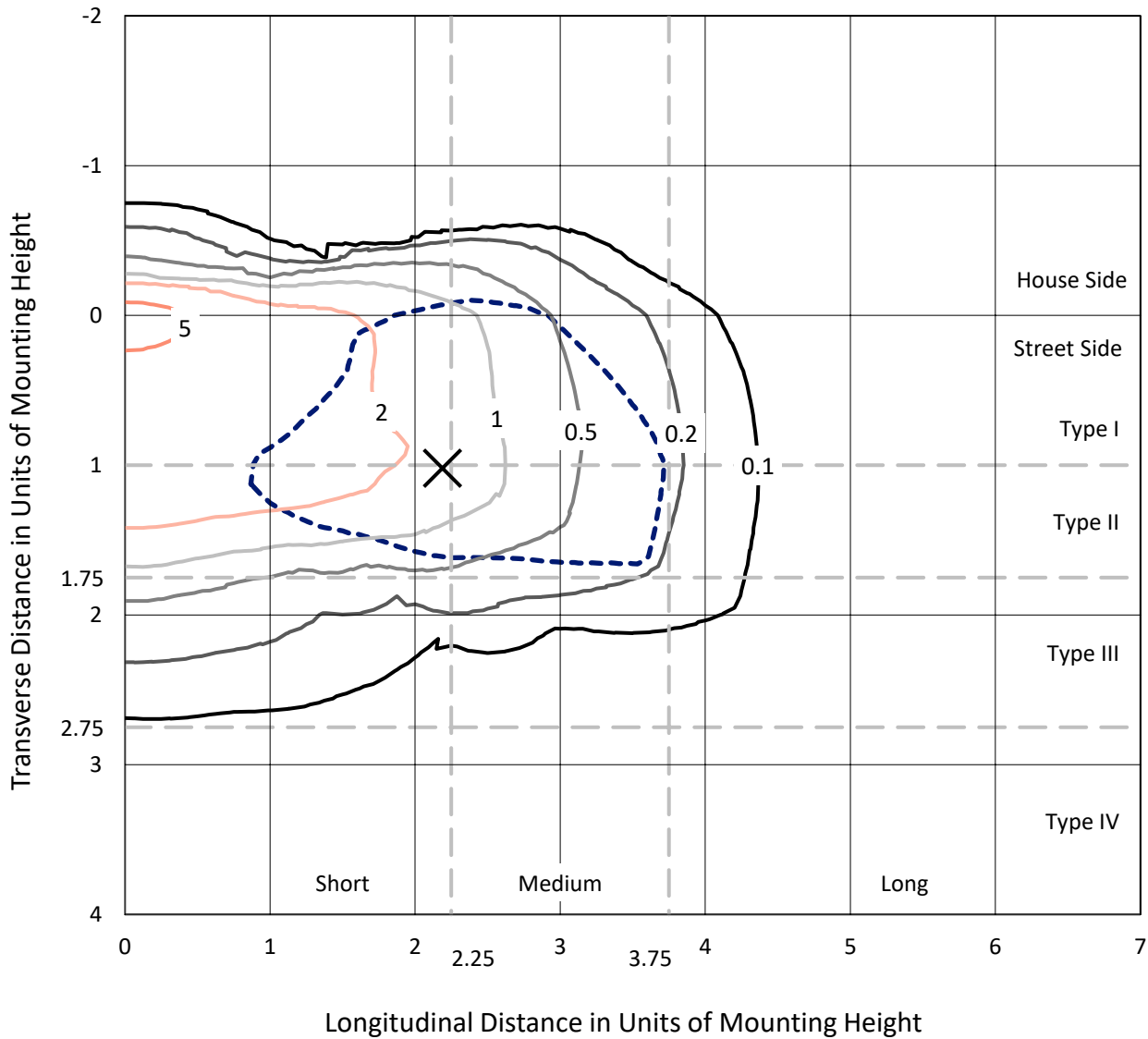
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

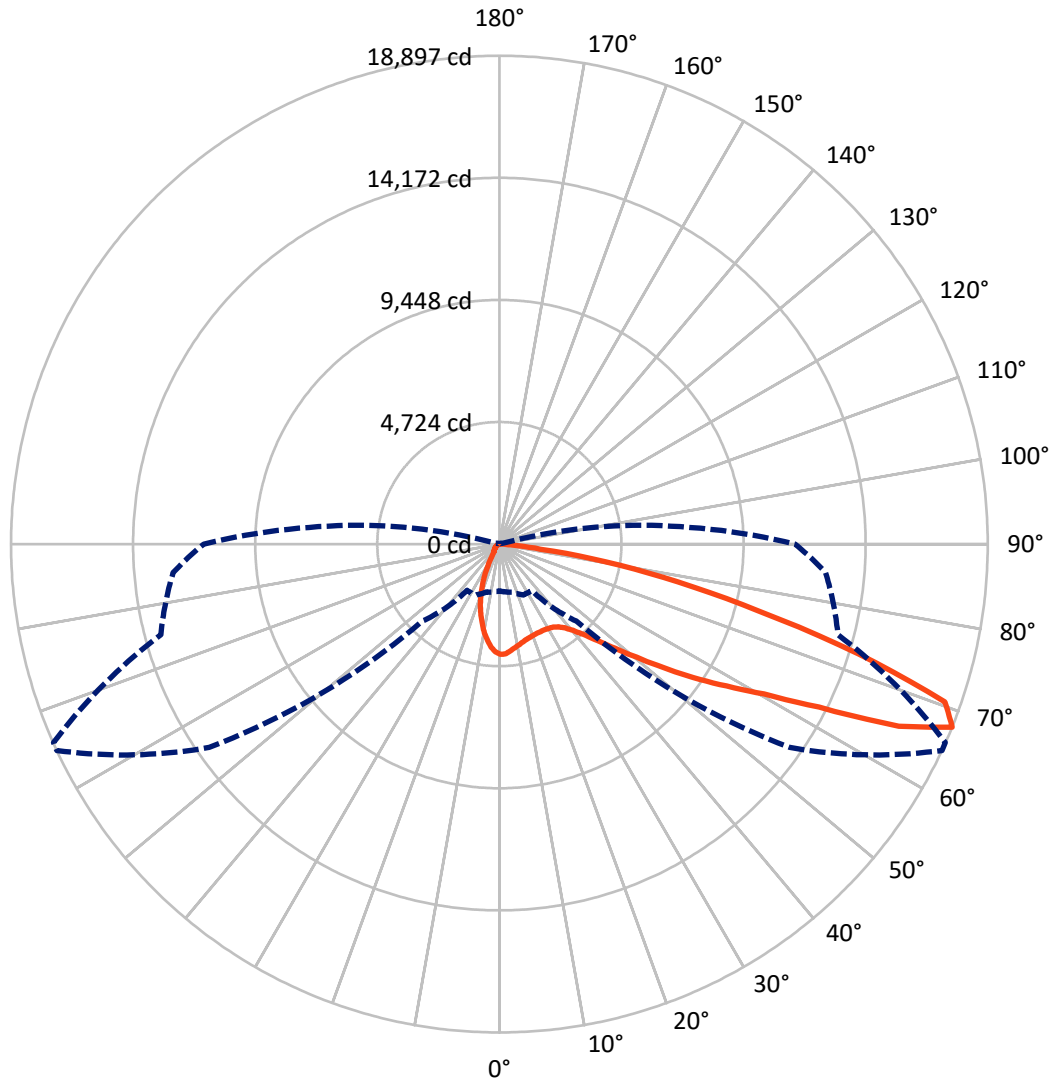
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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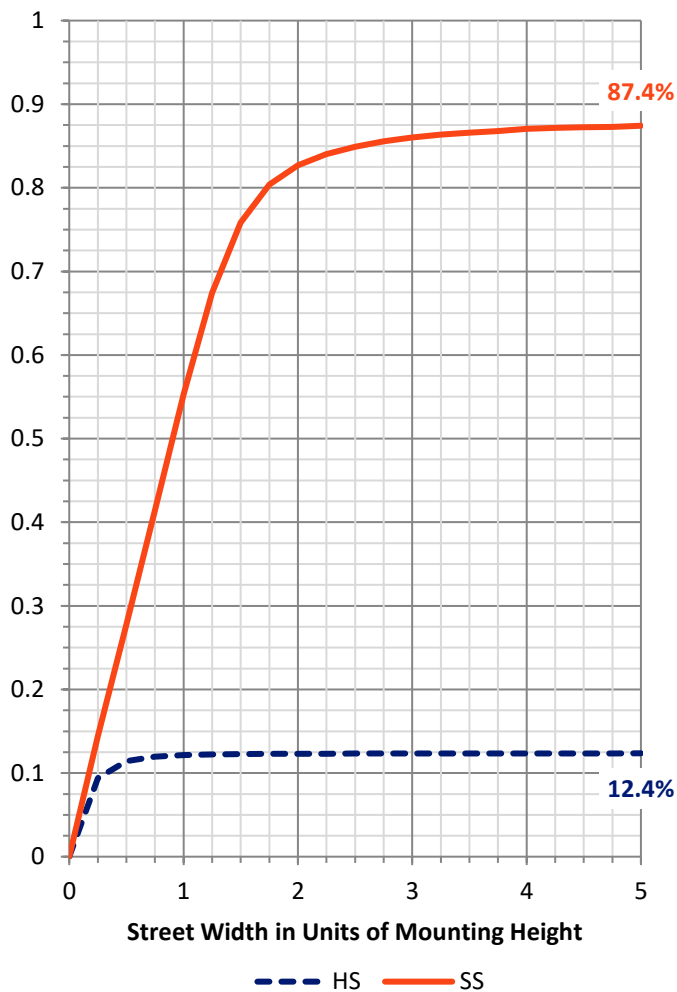
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2196.2	0.0	2196.2
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	15391.9	0.0	15391.9
	% Fixture	87.5	0.0	87.5
Total	Lumens	17588.1	0.0	17588.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.3	2.0
10°-20°	796.4	4.5
20°-30°	1138.0	6.5
30°-40°	1655.7	9.4
40°-50°	2593.1	14.7
50°-60°	4045.3	23.0
60°-70°	4443.5	25.3
70°-80°	2364.8	13.4
80°-90°	196.9	1.1
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°	17588.1	100.0
0°-180°	17588.1	100.0

Coefficient of Utilization



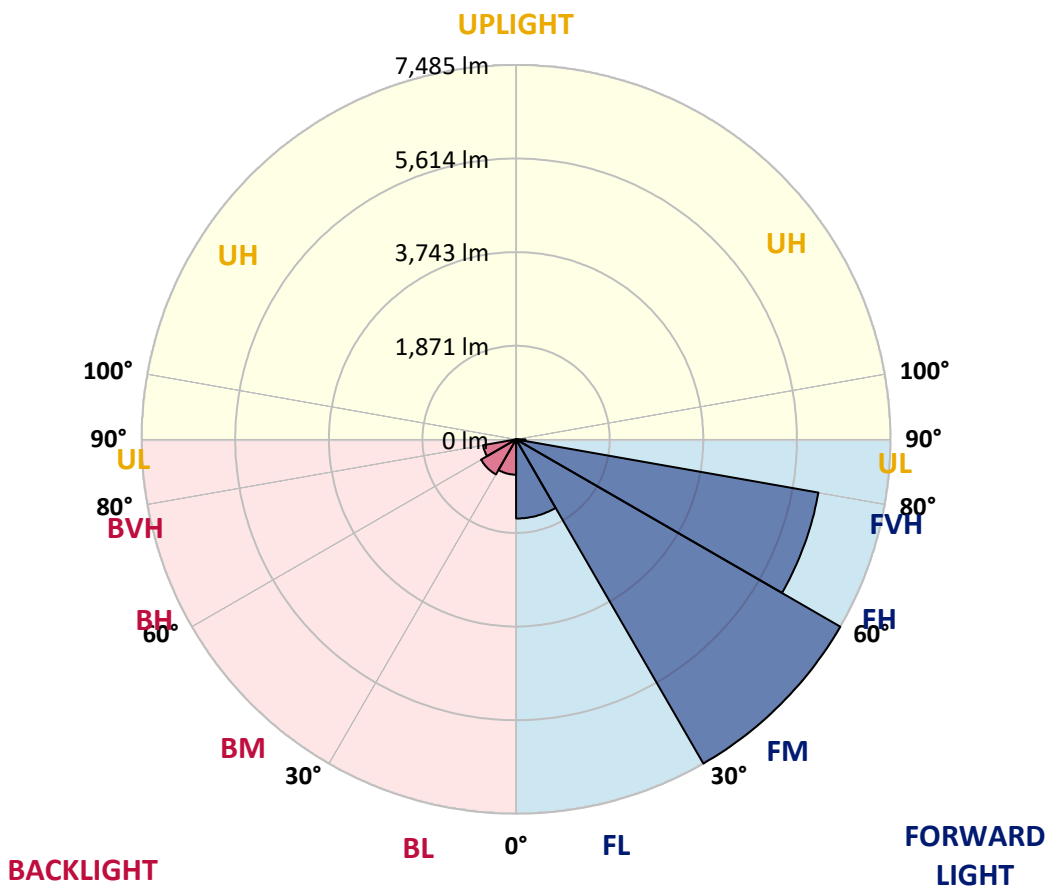
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1582.8	9.0			
FM (30°-60°)	7485.1	42.6			
FH (60°-80°)	6137.6	34.9			G3/7500
FVH (80°-90°)	186.4	1.1			G2/225
BL (0°-30°)	705.9	4.0	B2/1000		
BM (30°-60°)	809.0	4.6	B1/1000		
BH (60°-80°)	670.8	3.8	B2/1000		G2/1000
BVH (80°-90°)	10.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4265.7	4265.7	4265.7	4265.7	4265.7	4265.7	4265.7	4265.7	4265.7	4265.7	4265.7
2.5°	4117.8	4130.5	4113.0	4155.9	4163.9	4211.6	4238.6	4257.7	4256.1	4280.0	4280.0
5°	3876.0	3888.7	3879.2	3925.3	3961.9	4036.6	4098.7	4170.2	4173.4	4246.6	4273.6
7.5°	3670.8	3672.4	3672.4	3729.7	3777.4	3869.6	3961.9	4071.6	4084.4	4197.3	4268.8
10°	3502.2	3507.0	3508.6	3573.8	3626.3	3737.6	3855.3	3987.3	4001.6	4154.3	4265.7
12.5°	3386.1	3387.7	3394.1	3462.5	3519.7	3635.8	3755.1	3906.2	3925.3	4105.0	4251.4
15°	3330.5	3327.3	3330.5	3387.7	3445.0	3556.3	3678.8	3841.0	3861.7	4063.7	4252.9
17.5°	3327.3	3322.5	3319.3	3362.3	3398.9	3497.5	3621.5	3798.1	3820.3	4044.6	4270.4
20°	3373.4	3370.2	3354.3	3373.4	3381.4	3462.5	3584.9	3764.7	3786.9	4041.4	4308.6
22.5°	3494.3	3486.3	3462.5	3445.0	3402.0	3449.8	3559.5	3740.8	3766.3	4049.4	4357.9
25°	3674.0	3670.8	3640.6	3597.7	3487.9	3468.8	3561.1	3740.8	3764.7	4058.9	4410.4
27.5°	3944.4	3925.3	3887.1	3812.4	3654.9	3543.6	3592.9	3750.4	3774.2	4071.6	4453.3
30°	4219.5	4218.0	4205.2	4128.9	3895.1	3686.7	3659.7	3775.8	3798.1	4082.8	4493.1
32.5°	4504.2	4509.0	4540.8	4482.0	4225.9	3899.9	3780.6	3828.3	3844.2	4105.0	4528.1
35°	4774.6	4784.2	4868.5	4889.1	4628.3	4222.7	3977.8	3933.3	3934.8	4154.3	4574.2
37.5°	5033.9	5065.7	5200.9	5301.1	5129.3	4614.0	4262.5	4111.4	4098.7	4252.9	4644.2
40°	5328.1	5388.5	5558.7	5728.9	5674.8	5130.9	4650.6	4385.0	4357.9	4434.3	4769.9
42.5°	5654.2	5719.4	5945.2	6183.8	6209.2	5755.9	5135.7	4784.2	4738.0	4739.6	5005.2
45°	6004.1	6091.5	6354.0	6697.5	6851.8	6452.6	5733.7	5323.3	5277.2	5208.8	5383.8
47.5°	6463.7	6540.1	6792.9	7189.0	7484.8	7200.1	6517.8	6016.8	5932.5	5832.3	5972.3
50°	6859.7	6926.5	7144.4	7640.7	8256.2	8163.9	7406.9	6883.6	6802.5	6632.3	6748.4
52.5°	6947.2	6999.7	7200.1	7758.4	8846.3	9380.7	8496.3	7931.7	7874.5	7559.6	7604.1
55°	6554.4	6633.9	6813.6	7433.9	9000.5	10570.3	9910.3	9113.5	8994.2	8491.6	8571.1
57.5°	5561.9	5703.5	5872.1	6678.4	8582.2	11203.3	11885.7	10365.2	10257.0	9388.6	9390.2
60°	4076.4	4190.9	4303.8	5041.8	7589.8	11160.4	13678.1	11771.1	11573.9	10121.8	10094.8
62.5°	2964.7	3023.5	3021.9	3284.3	5212.0	10425.6	14619.7	13889.7	13430.0	10905.9	10751.6
65°	2331.6	2330.1	2398.4	2484.3	2910.6	8047.8	14735.8	16983.1	16486.9	11957.2	11636.0
67.5°	1814.7	1849.7	1918.1	2171.0	2186.9	4211.6	13714.7	18896.5	18887.0	13562.0	12671.4
70°	1399.6	1447.3	1544.4	1913.3	2019.9	2357.1	10261.8	18290.5	18444.8	14279.3	11938.1
72.5°	898.6	895.4	1038.6	1545.9	1940.4	1964.2	5674.8	14529.0	14704.0	12933.8	9652.6
75°	502.6	505.8	586.9	946.3	1808.4	1848.1	2810.4	10360.4	10498.8	10083.6	7416.4
77.5°	197.2	203.6	275.2	497.8	1192.9	1650.9	1670.0	7064.9	7085.6	6249.0	4548.8
80°	79.5	84.3	140.0	308.6	726.8	1111.7	1192.9	4162.3	4078.0	2419.1	1323.3
82.5°	23.9	25.4	55.7	175.0	380.1	790.5	804.8	1596.8	1507.8	520.1	337.2
85°	1.6	1.6	12.7	54.1	135.2	198.8	536.0	520.1	461.2	130.4	149.5
87.5°	0.0	0.0	1.6	1.6	3.2	6.4	57.3	95.4	97.0	23.9	66.8
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°	4265.7	4265.7	4265.7	4265.7	4265.7	4265.7	4265.7	4265.7	4265.7	4265.7	4265.7
2.5°	4280.0	4222.7	4218.0	4173.4	4128.9	4073.2	4008.0	3960.3	3926.9	3868.0	3856.9
5°	4273.6	4197.3	4125.7	3998.5	3856.9	3704.2	3570.6	3446.6	3368.6	3316.2	3293.9
7.5°	4260.9	4163.9	3998.5	3758.3	3521.3	3254.1	3045.8	2854.9	2724.5	2648.1	2614.7
10°	4251.4	4120.9	3852.1	3487.9	3120.5	2751.5	2435.0	2151.9	1994.5	1870.4	1849.7
12.5°	4232.3	4058.9	3664.5	3171.4	2697.5	2207.6	1803.6	1456.9	1216.7	1108.6	1070.4
15°	4213.2	3993.7	3476.8	2837.4	2236.2	1631.8	1142.0	808.0	642.6	591.7	588.5
17.5°	4210.0	3934.8	3273.2	2520.9	1752.7	1068.8	650.5	523.3	488.3	475.6	475.6
20°	4219.5	3885.5	3072.8	2156.7	1277.2	650.5	485.1	453.3	432.6	421.5	421.5
22.5°	4229.1	3834.6	2880.4	1789.3	847.7	475.6	427.8	400.8	376.9	364.2	357.9
25°	4235.4	3779.0	2667.2	1420.3	553.5	413.5	375.4	340.4	311.7	295.8	295.8
27.5°	4233.9	3712.2	2452.5	1059.3	429.4	367.4	321.3	284.7	256.1	238.6	240.2
30°	4221.1	3639.0	2229.9	739.6	375.4	321.3	275.2	237.0	208.4	194.0	192.4
32.5°	4211.6	3561.1	1972.2	520.1	337.2	281.5	233.8	197.2	173.4	162.2	160.6
35°	4200.5	3484.7	1727.3	396.0	303.8	243.3	197.2	167.0	147.9	138.4	138.4
37.5°	4203.6	3405.2	1461.7	340.4	270.4	211.5	168.6	143.1	127.2	117.7	116.1
40°	4252.9	3357.5	1200.8	308.6	240.2	182.9	146.3	124.1	108.2	98.6	97.0
42.5°	4375.4	3359.1	951.1	284.7	213.1	155.9	127.2	106.6	92.2	81.1	79.5
45°	4620.3	3425.9	730.0	259.2	184.5	135.2	109.7	90.7	76.3	66.8	65.2
47.5°	5021.1	3624.7	553.5	237.0	160.6	117.7	93.8	76.3	63.6	55.7	54.1
50°	5658.9	3984.2	435.8	209.9	135.2	101.8	79.5	63.6	52.5	44.5	42.9
52.5°	6425.5	4523.3	373.8	186.1	116.1	89.1	68.4	52.5	42.9	36.6	35.0
55°	7306.7	5167.5	345.1	162.2	98.6	76.3	55.7	42.9	35.0	30.2	27.0
57.5°	8114.6	5748.0	343.5	138.4	84.3	65.2	46.1	36.6	30.2	23.9	22.3
60°	8901.9	6233.1	322.9	114.5	73.2	54.1	39.8	30.2	25.4	20.7	19.1
62.5°	9616.0	6627.5	270.4	92.2	62.0	44.5	33.4	27.0	22.3	17.5	17.5
65°	10513.1	7130.1	206.8	74.8	50.9	36.6	28.6	23.9	20.7	15.9	15.9
67.5°	11440.3	7395.7	147.9	62.0	41.4	31.8	25.4	22.3	17.5	14.3	14.3
70°	10362.0	6249.0	106.6	50.9	35.0	27.0	22.3	20.7	17.5	14.3	12.7
72.5°	8092.4	4505.8	79.5	39.8	30.2	25.4	20.7	19.1	15.9	12.7	12.7
75°	6000.9	2627.5	60.4	31.8	23.9	20.7	20.7	19.1	15.9	12.7	11.1
77.5°	3262.1	916.1	46.1	25.4	19.1	15.9	17.5	17.5	14.3	11.1	9.5
80°	863.6	251.3	31.8	19.1	15.9	12.7	12.7	15.9	12.7	9.5	9.5
82.5°	251.3	73.2	22.3	15.9	12.7	11.1	11.1	11.1	9.5	8.0	6.4
85°	122.5	27.0	15.9	12.7	11.1	9.5	8.0	8.0	6.4	4.8	4.8
87.5°	54.1	11.1	12.7	11.1	11.1	8.0	6.4	4.8	4.8	3.2	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)