

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: P642217

Luminaire Tested: GWS-SA6C-740-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-740-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22372.6 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

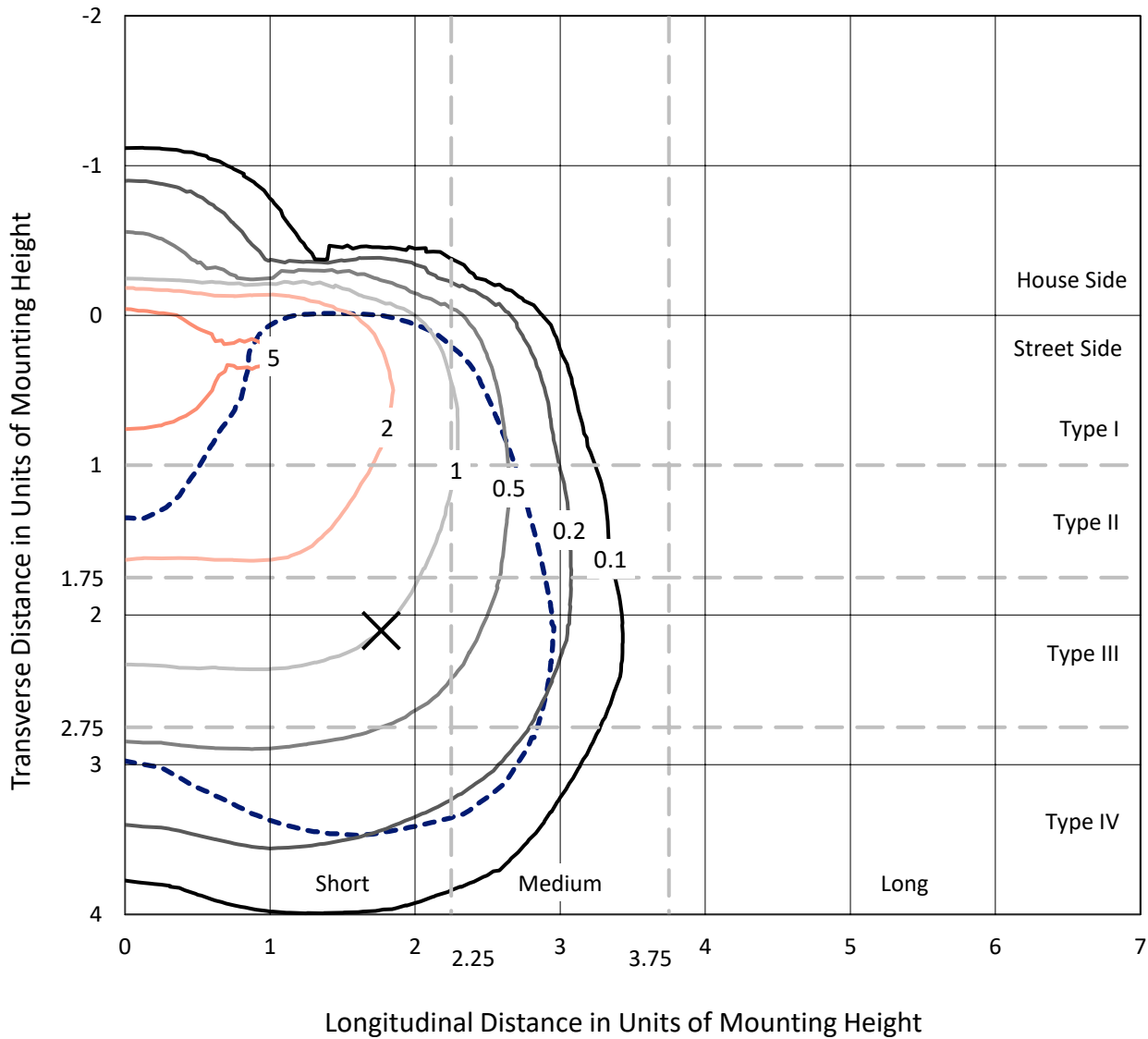
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

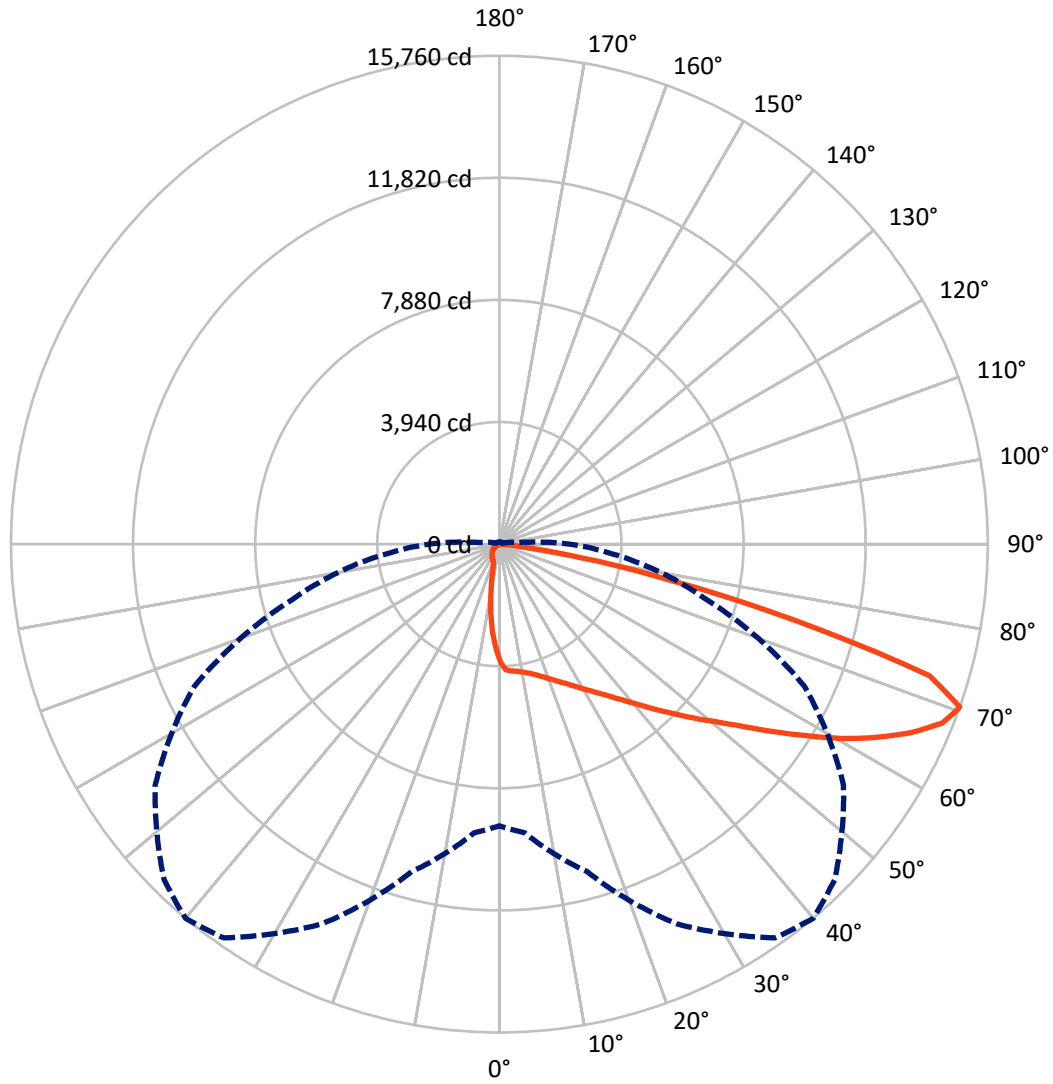
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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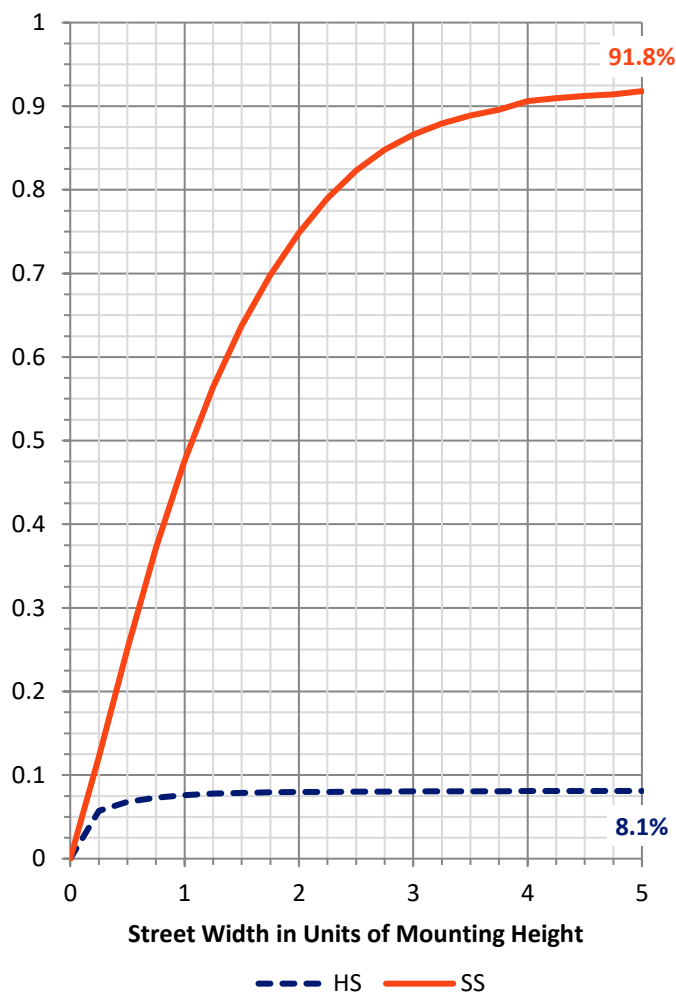
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1829.5	0.0	1829.5
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	20543.1	0.0	20543.1
	% Fixture	91.8	0.0	91.8
Total	Lumens	22372.6	0.0	22372.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.9	1.4
10°-20°	813.8	3.6
20°-30°	1362.0	6.1
30°-40°	2139.2	9.6
40°-50°	3383.8	15.1
50°-60°	4936.0	22.1
60°-70°	6118.9	27.4
70°-80°	3095.8	13.8
80°-90°	202.1	0.9
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°	22372.6	100.0
0°-180°	22372.6	100.0

Coefficient of Utilization



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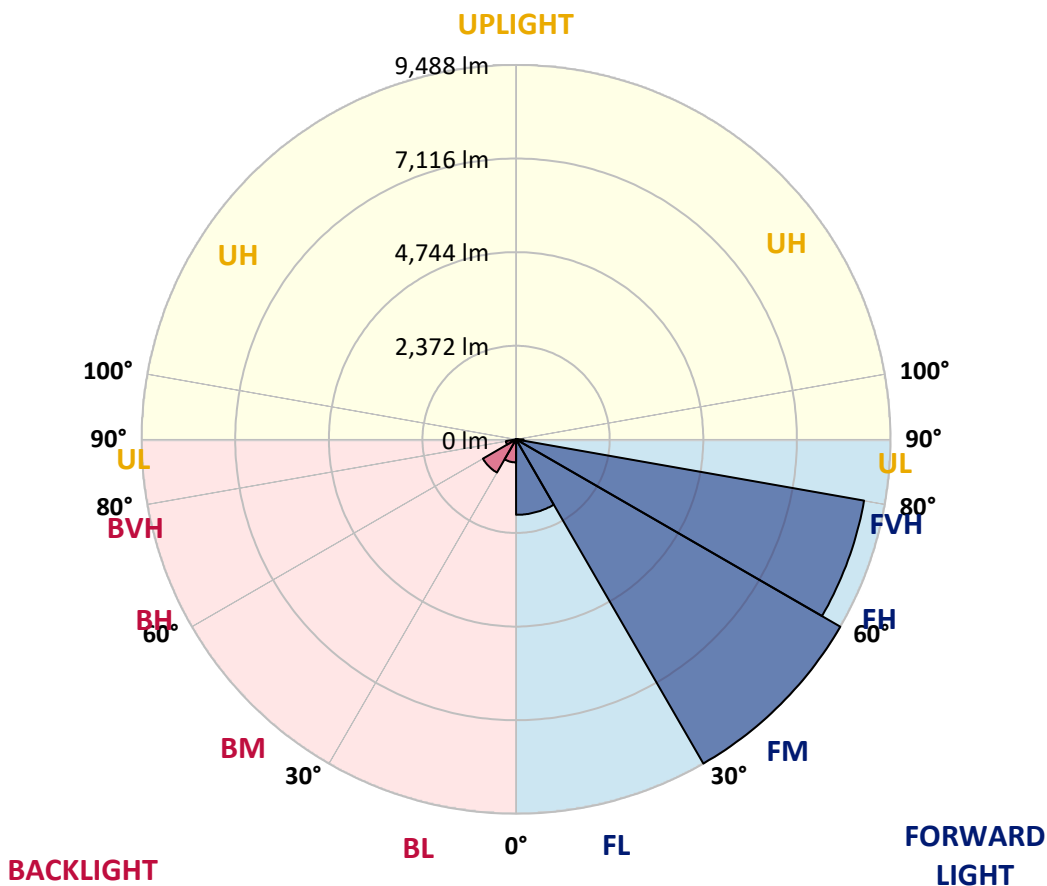
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1912.5	8.5			
FM (30°-60°)	9488.0	42.4			
FH (60°-80°)	8953.9	40.0			G4/12000
FVH (80°-90°)	188.8	0.8			G2/225
BL (0°-30°)	584.2	2.6	B2/1000		
BM (30°-60°)	971.1	4.3	B1/1000		
BH (60°-80°)	260.9	1.2	B1/500		G1/500
BVH (80°-90°)	13.3	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-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3796.4	3796.4	3796.4	3796.4	3796.4	3796.4	3796.4	3796.4	3796.4	3796.4	3796.4
2.5°	4081.3	4095.6	4093.6	4099.7	4085.4	4063.0	4059.0	4028.4	3973.5	3904.2	3826.9
5°	4164.8	4181.1	4168.9	4162.8	4136.3	4111.9	4105.8	4073.2	4010.1	3916.5	3782.1
7.5°	4236.0	4240.1	4232.0	4217.7	4179.1	4146.5	4124.1	4079.3	4004.0	3910.4	3755.7
10°	4248.3	4246.2	4250.3	4252.3	4227.9	4199.4	4181.1	4120.0	4024.3	3924.6	3757.7
12.5°	4234.0	4234.0	4260.5	4291.0	4291.0	4276.8	4258.4	4203.5	4091.5	3973.5	3798.4
15°	4252.3	4258.4	4309.3	4366.3	4384.6	4370.4	4362.3	4305.3	4189.2	4059.0	3871.7
17.5°	4317.5	4323.6	4405.0	4490.5	4512.9	4496.6	4480.3	4423.3	4299.2	4156.7	3955.1
20°	4413.1	4429.4	4533.2	4643.2	4663.5	4643.2	4610.6	4531.2	4407.0	4262.5	4034.5
22.5°	4588.2	4598.4	4710.3	4826.4	4836.5	4804.0	4755.1	4645.2	4514.9	4374.5	4124.1
25°	4820.3	4834.5	4946.5	5058.4	5032.0	4983.1	4915.9	4791.8	4643.2	4506.8	4238.1
27.5°	5097.1	5113.4	5223.3	5321.0	5251.8	5194.8	5119.5	4964.8	4814.2	4690.0	4384.6
30°	5396.3	5410.6	5508.3	5595.8	5504.2	5437.0	5347.5	5188.7	5036.0	4942.4	4592.3
32.5°	5685.4	5683.3	5777.0	5848.2	5754.6	5701.7	5620.2	5459.4	5337.3	5296.6	4901.7
35°	5954.1	5954.1	6031.4	6102.7	6035.5	6007.0	5931.7	5803.4	5734.2	5783.1	5314.9
37.5°	6224.8	6210.6	6283.8	6363.2	6357.1	6359.2	6316.4	6255.3	6259.4	6432.4	5882.8
40°	6448.7	6442.6	6528.1	6631.9	6713.4	6778.5	6752.0	6774.4	6902.7	7226.3	6609.5
42.5°	6627.9	6642.1	6752.0	6916.9	7122.5	7254.8	7273.1	7364.7	7694.5	8195.3	7429.9
45°	6833.5	6835.5	6988.2	7240.6	7568.3	7778.0	7851.2	8087.4	8555.6	9200.8	8329.6
47.5°	7085.9	7061.4	7232.4	7586.6	8060.9	8370.3	8500.6	8795.8	9520.4	10182.0	9062.4
50°	7364.7	7320.0	7513.3	7995.8	8612.6	8999.3	9263.9	9695.5	10477.1	10988.1	9608.0
52.5°	7688.4	7645.6	7865.5	8466.0	9274.1	9744.3	10084.3	10519.9	11297.5	11602.8	9933.6
55°	8099.6	8056.8	8288.9	9029.8	10055.8	10666.5	11022.7	11389.1	12060.8	12056.8	10169.8
57.5°	8555.6	8496.5	8818.1	9742.3	11030.8	11665.9	12028.3	12207.4	12641.0	12408.9	10328.5
60°	9078.7	9025.8	9471.6	10591.1	12156.5	12744.8	12972.8	12899.5	13117.3	12616.5	10273.6
62.5°	9551.0	9526.5	10080.2	11490.9	13229.3	13725.9	13789.0	13469.5	13467.4	12620.6	9903.1
65°	10041.5	10088.3	10910.7	12527.0	14308.1	14641.9	14534.1	14035.3	13607.9	12121.9	8808.0
67.5°	10224.7	10361.1	11458.3	13463.3	15159.0	15419.5	15230.2	14318.3	13023.7	10444.6	6707.2
70°	9092.9	9349.4	10941.3	13516.3	15511.1	15759.5	15305.5	13557.0	10857.8	6918.9	3674.2
72.5°	6914.9	7214.1	9117.4	11067.5	13949.8	14515.7	13740.2	11045.1	6998.3	3031.0	1233.6
75°	3869.6	4193.3	6790.7	8333.7	9365.7	9882.8	9597.8	7085.9	3100.2	791.8	368.4
77.5°	1308.9	1416.8	3159.2	5156.1	6182.1	5718.0	4840.6	3519.5	1139.9	301.3	195.4
80°	775.6	816.3	1176.6	2566.9	3252.9	2697.1	2129.2	1300.7	580.1	160.8	136.4
82.5°	232.1	274.8	649.4	952.7	1274.3	793.9	671.7	743.0	301.3	87.5	114.0
85°	0.0	0.0	138.4	295.2	333.8	130.3	130.3	421.4	55.0	36.6	83.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.2	6.1	8.1	18.3
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°	3796.4	3796.4	3796.4	3796.4	3796.4	3796.4	3796.4	3796.4	3796.4	3796.4	3796.4
2.5°	3771.9	3700.7	3617.2	3537.8	3462.5	3364.8	3318.0	3261.0	3212.1	3185.7	3199.9
5°	3696.6	3584.7	3413.7	3240.6	3065.6	2900.7	2752.1	2652.4	2562.8	2516.0	2526.2
7.5°	3631.5	3480.8	3214.2	2931.2	2650.3	2367.4	2137.4	1958.2	1819.8	1762.8	1752.6
10°	3603.0	3413.7	3037.1	2630.0	2198.4	1817.8	1492.1	1294.6	1154.2	1085.0	1097.2
12.5°	3617.2	3379.1	2886.5	2334.8	1775.0	1331.3	1019.8	834.6	734.8	694.1	684.0
15°	3657.9	3370.9	2752.1	2033.5	1369.9	930.3	704.3	629.0	608.6	604.6	604.6
17.5°	3704.8	3373.0	2613.7	1728.2	1040.2	690.1	602.5	588.3	582.2	578.1	580.1
20°	3751.6	3373.0	2454.9	1418.8	781.7	596.4	574.0	563.9	557.7	555.7	555.7
22.5°	3808.6	3373.0	2277.8	1131.8	627.0	565.9	547.6	541.5	535.4	533.3	531.3
25°	3877.8	3375.0	2082.4	885.5	570.0	539.4	525.2	519.1	513.0	508.9	508.9
27.5°	3977.5	3391.3	1866.6	690.1	537.4	515.0	502.8	496.7	490.6	484.5	484.5
30°	4122.1	3432.0	1624.4	570.0	506.9	488.5	476.3	472.3	466.1	460.0	458.0
32.5°	4337.8	3503.2	1374.0	510.9	478.4	460.0	445.8	441.7	435.6	429.5	427.5
35°	4639.1	3633.5	1129.7	474.3	441.7	423.4	415.3	413.2	405.1	399.0	399.0
37.5°	5080.8	3845.2	895.7	437.7	411.2	396.9	386.8	382.7	374.5	368.4	366.4
40°	5620.2	4120.0	696.2	409.2	382.7	368.4	358.3	352.2	342.0	333.8	329.8
42.5°	6308.3	4455.9	549.6	378.6	356.2	342.0	333.8	321.6	307.4	295.2	293.1
45°	7024.8	4801.9	453.9	350.1	331.8	319.6	309.4	293.1	272.8	258.5	254.4
47.5°	7574.4	5017.7	396.9	319.6	305.3	295.2	282.9	262.6	238.2	221.9	217.8
50°	7967.3	5050.3	354.2	291.1	282.9	272.8	254.4	230.0	203.6	187.3	183.2
52.5°	8160.7	4903.7	319.6	264.6	258.5	248.3	225.9	199.5	171.0	154.7	150.6
55°	8248.2	4626.9	287.0	242.2	234.1	221.9	197.5	169.0	140.5	126.2	122.1
57.5°	8213.6	4217.7	258.5	219.8	209.7	195.4	169.0	138.4	116.0	101.8	99.7
60°	7957.1	3643.7	230.0	197.5	185.2	169.0	142.5	114.0	93.6	83.5	81.4
62.5°	7403.4	2931.2	201.5	171.0	162.8	146.6	122.1	93.6	77.4	71.2	69.2
65°	6269.6	2072.2	173.0	144.5	140.5	124.2	101.8	77.4	67.2	63.1	61.1
67.5°	4506.8	1260.0	146.6	124.2	120.1	105.9	85.5	67.2	61.1	59.0	59.0
70°	2265.6	596.4	116.0	101.8	101.8	87.5	73.3	61.1	59.0	57.0	57.0
72.5°	769.5	254.4	87.5	79.4	83.5	75.3	63.1	57.0	57.0	57.0	57.0
75°	262.6	134.3	61.1	57.0	61.1	61.1	55.0	55.0	57.0	57.0	57.0
77.5°	171.0	89.6	42.7	38.7	46.8	46.8	46.8	50.9	55.0	55.0	55.0
80°	140.5	48.9	28.5	26.5	34.6	34.6	38.7	46.8	50.9	50.9	50.9
82.5°	120.1	30.5	16.3	18.3	24.4	26.5	32.6	38.7	44.8	46.8	46.8
85°	81.4	16.3	12.2	14.2	16.3	20.4	26.5	32.6	36.6	40.7	40.7
87.5°	22.4	6.1	8.1	10.2	10.2	14.2	20.4	24.4	28.5	30.5	30.5
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)