

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: P640341

Luminaire Tested: GWS-SA5D-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640341
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-SA5D-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24025.8 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

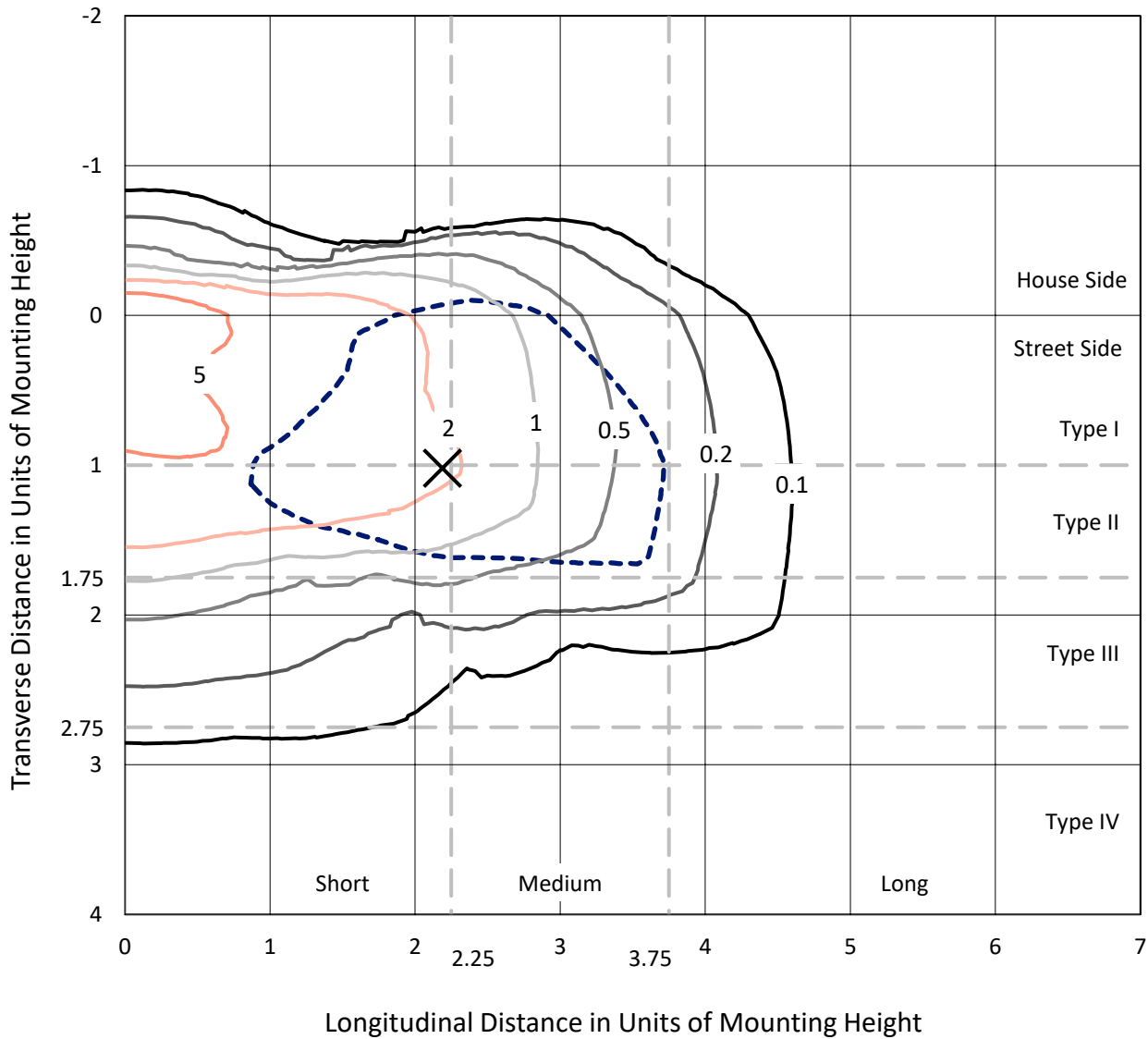
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

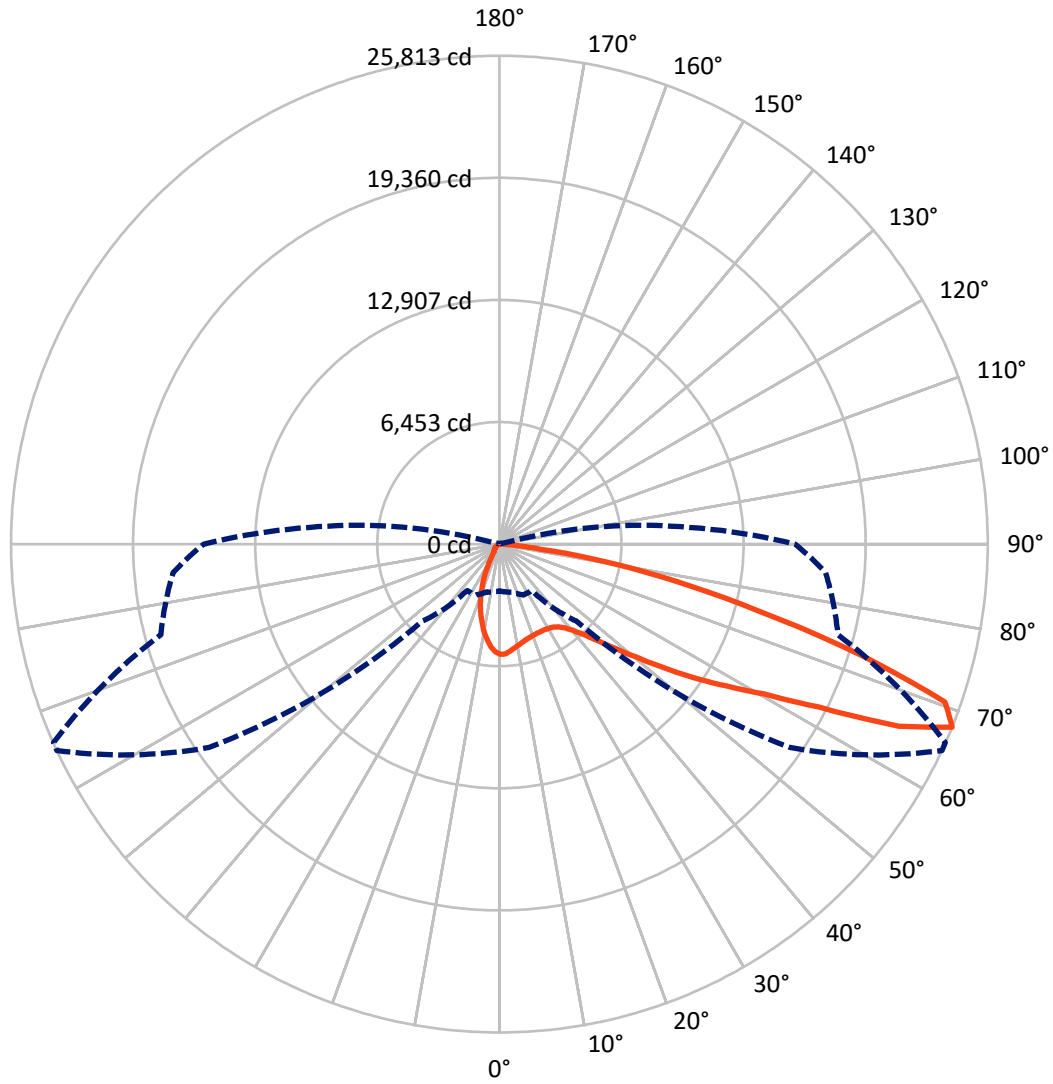
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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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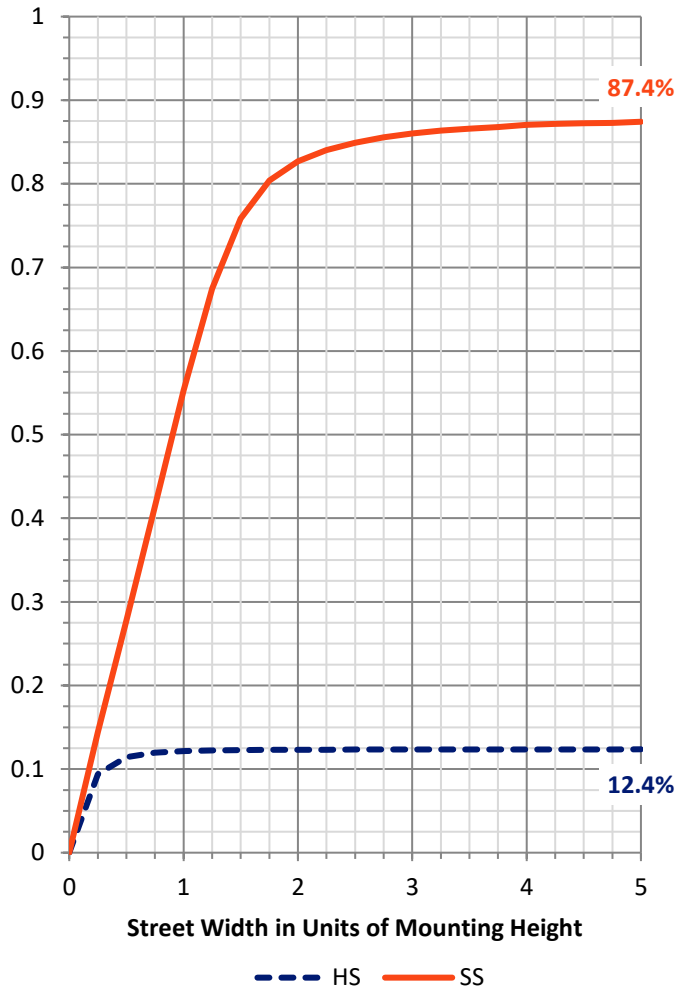
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3000.1	0.0	3000.1
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	21025.7	0.0	21025.7
	% Fixture	87.5	0.0	87.5
Total	Lumens	24025.8	0.0	24025.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.0	2.0
10°-20°	1087.9	4.5
20°-30°	1554.6	6.5
30°-40°	2261.7	9.4
40°-50°	3542.2	14.7
50°-60°	5526.0	23.0
60°-70°	6070.0	25.3
70°-80°	3230.4	13.4
80°-90°	269.0	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°	24025.8	100.0
0°-180°	24025.8	100.0

Coefficient of Utilization



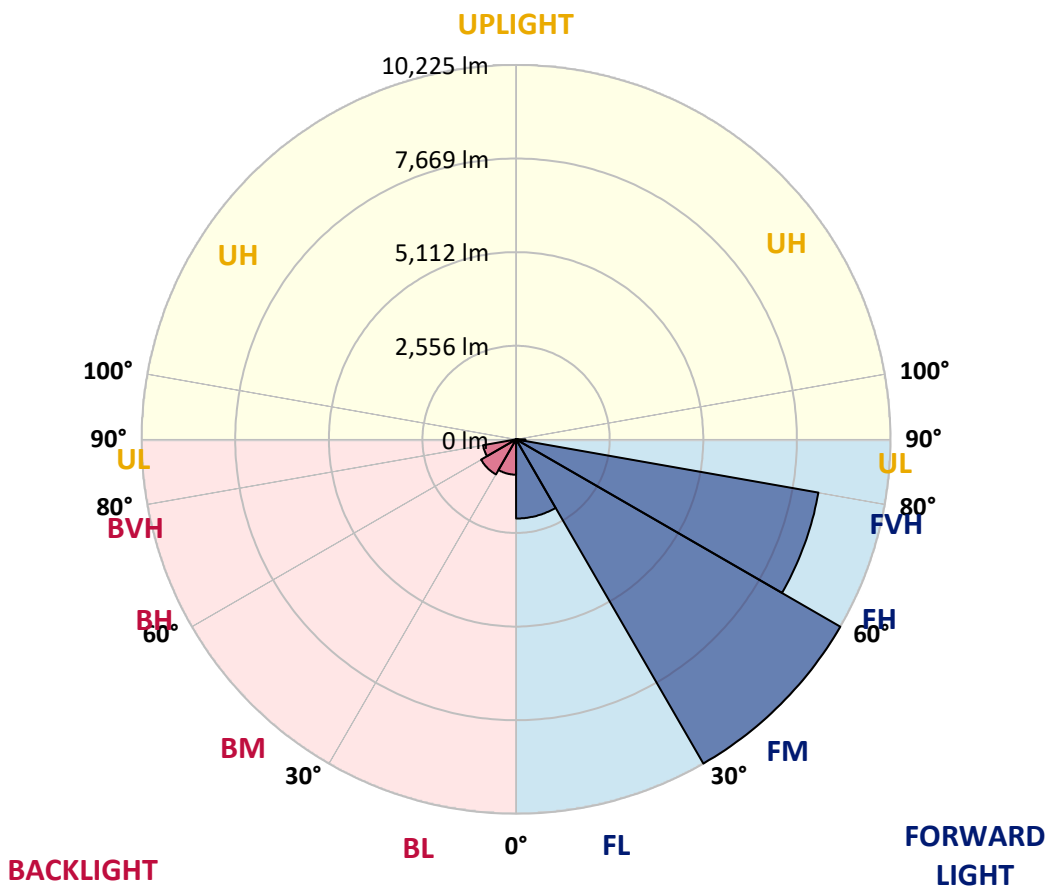
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2162.2	9.0			
FM (30°-60°)	10224.9	42.6			
FH (60°-80°)	8384.1	34.9			G4/12000
FVH (80°-90°)	254.6	1.1			G3/500
BL (0°-30°)	964.3	4.0	B2/1000		
BM (30°-60°)	1105.1	4.6	B2/2500		
BH (60°-80°)	916.4	3.8	B2/1000		G2/1000
BVH (80°-90°)	14.4	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5827.0	5827.0	5827.0	5827.0	5827.0	5827.0	5827.0	5827.0	5827.0	5827.0	5827.0
2.5°	5625.0	5642.3	5618.4	5677.1	5688.0	5753.1	5790.1	5816.2	5814.0	5846.6	5846.6
5°	5294.7	5312.1	5299.1	5362.1	5412.0	5514.2	5598.9	5696.7	5701.0	5800.9	5837.9
7.5°	5014.4	5016.6	5016.6	5094.8	5160.0	5286.0	5412.0	5562.0	5579.3	5733.6	5831.4
10°	4784.1	4790.7	4792.8	4881.9	4953.6	5105.7	5266.5	5446.8	5466.4	5674.9	5827.0
12.5°	4625.5	4627.7	4636.4	4729.8	4808.0	4966.6	5129.6	5336.0	5362.1	5607.6	5807.5
15°	4549.5	4545.2	4549.5	4627.7	4705.9	4858.0	5025.3	5246.9	5275.2	5551.1	5809.6
17.5°	4545.2	4538.6	4534.3	4593.0	4642.9	4777.6	4947.1	5188.3	5218.7	5525.0	5833.5
20°	4608.2	4603.8	4582.1	4608.2	4619.0	4729.8	4897.1	5142.6	5173.0	5520.7	5885.7
22.5°	4773.3	4762.4	4729.8	4705.9	4647.3	4712.5	4862.4	5110.0	5144.8	5531.5	5953.0
25°	5018.8	5014.4	4973.2	4914.5	4764.6	4738.5	4864.5	5110.0	5142.6	5544.6	6024.7
27.5°	5388.1	5362.1	5309.9	5207.8	4992.7	4840.6	4908.0	5123.1	5155.7	5562.0	6083.4
30°	5764.0	5761.8	5744.5	5640.2	5320.8	5036.2	4999.2	5157.8	5188.3	5577.2	6137.7
32.5°	6152.9	6159.4	6202.9	6122.5	5772.7	5327.3	5164.4	5229.5	5251.3	5607.6	6185.5
35°	6522.3	6535.3	6650.4	6678.7	6322.4	5768.4	5433.8	5372.9	5375.1	5674.9	6248.5
37.5°	6876.4	6919.8	7104.5	7241.4	7006.8	6302.8	5822.7	5616.3	5598.9	5809.6	6344.1
40°	7278.3	7360.9	7593.4	7825.8	7752.0	7008.9	6352.8	5990.0	5953.0	6057.3	6515.7
42.5°	7723.7	7812.8	8121.3	8447.2	8482.0	7862.8	7015.4	6535.3	6472.3	6474.5	6837.3
45°	8201.7	8321.2	8679.7	9149.0	9359.7	8814.4	7832.4	7271.8	7208.8	7115.4	7354.4
47.5°	8829.6	8933.9	9279.3	9820.3	10224.4	9835.5	8903.5	8219.1	8103.9	7967.1	8158.3
50°	9370.6	9461.8	9759.5	10437.3	11278.2	11152.1	10118.0	9403.2	9292.4	9059.9	9218.5
52.5°	9490.1	9561.8	9835.5	10598.1	12084.2	12814.2	11606.2	10834.9	10756.7	10326.5	10387.4
55°	8953.4	9062.1	9307.6	10154.9	12295.0	14439.3	13537.7	12449.2	12286.3	11599.7	11708.3
57.5°	7597.7	7791.1	8021.4	9122.9	11723.6	15304.1	16236.1	14159.1	14011.3	12825.1	12827.3
60°	5568.5	5724.9	5879.2	6887.3	10367.8	15245.4	18684.7	16079.7	15810.3	13826.7	13789.7
62.5°	4049.8	4130.2	4128.0	4486.5	7119.7	14241.6	19970.9	18973.6	18345.7	14897.8	14687.0
65°	3185.1	3182.9	3276.3	3393.7	3975.9	10993.5	20129.5	23199.4	22521.6	16333.9	15895.0
67.5°	2479.0	2526.8	2620.2	2965.6	2987.4	5753.1	18734.7	25813.1	25800.1	18526.1	17309.4
70°	1911.9	1977.1	2109.6	2613.7	2759.2	3219.8	14017.9	24985.3	25196.1	19505.9	16307.8
72.5°	1227.5	1223.2	1418.7	2111.8	2650.6	2683.2	7752.0	19847.0	20086.0	17667.9	13185.7
75°	686.6	690.9	801.7	1292.7	2470.3	2524.6	3839.1	14152.6	14341.6	13774.5	10131.0
77.5°	269.4	278.1	375.9	680.0	1629.5	2255.2	2281.3	9650.9	9679.1	8536.3	6213.7
80°	108.6	115.1	191.2	421.5	992.9	1518.7	1629.5	5685.8	5570.6	3304.6	1807.6
82.5°	32.6	34.8	76.0	239.0	519.3	1079.8	1099.4	2181.3	2059.7	710.5	460.6
85°	2.2	2.2	17.4	73.9	184.7	271.6	732.2	710.5	630.1	178.2	204.2
87.5°	0.0	0.0	2.2	2.2	4.3	8.7	78.2	130.4	132.5	32.6	91.3
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°	5827.0	5827.0	5827.0	5827.0	5827.0	5827.0	5827.0	5827.0	5827.0	5827.0	5827.0
2.5°	5846.6	5768.4	5761.8	5701.0	5640.2	5564.1	5475.0	5409.9	5364.2	5283.9	5268.6
5°	5837.9	5733.6	5635.8	5462.0	5268.6	5060.1	4877.6	4708.1	4601.6	4529.9	4499.5
7.5°	5820.5	5688.0	5462.0	5133.9	4810.2	4445.2	4160.6	3899.9	3721.7	3617.4	3571.8
10°	5807.5	5629.3	5262.1	4764.6	4262.7	3758.7	3326.3	2939.6	2724.5	2555.0	2526.8
12.5°	5781.4	5544.6	5005.8	4332.2	3684.8	3015.6	2463.8	1990.1	1662.1	1514.3	1462.2
15°	5755.3	5455.5	4749.4	3876.0	3054.7	2229.1	1560.0	1103.7	877.7	808.2	803.9
17.5°	5751.0	5375.1	4471.3	3443.6	2394.2	1460.0	888.6	714.8	667.0	649.6	649.6
20°	5764.0	5307.8	4197.5	2946.1	1744.6	888.6	662.7	619.2	591.0	575.7	575.7
22.5°	5777.0	5238.2	3934.6	2444.2	1158.0	649.6	584.4	547.5	514.9	497.5	488.8
25°	5785.7	5162.2	3643.5	1940.2	756.1	564.9	512.7	464.9	425.8	404.1	404.1
27.5°	5783.6	5070.9	3350.2	1447.0	586.6	501.9	438.9	388.9	349.8	325.9	328.1
30°	5766.2	4971.0	3046.0	1010.3	512.7	438.9	375.9	323.7	284.6	265.1	262.9
32.5°	5753.1	4864.5	2694.1	710.5	460.6	384.6	319.4	269.4	236.8	221.6	219.4
35°	5737.9	4760.2	2359.5	541.0	415.0	332.4	269.4	228.1	202.1	189.0	189.0
37.5°	5742.3	4651.6	1996.7	464.9	369.3	289.0	230.3	195.5	173.8	160.8	158.6
40°	5809.6	4586.4	1640.3	421.5	328.1	249.9	199.9	169.5	147.7	134.7	132.5
42.5°	5976.9	4588.6	1299.2	388.9	291.1	212.9	173.8	145.6	126.0	110.8	108.6
45°	6311.5	4679.9	997.2	354.1	252.0	184.7	149.9	123.8	104.3	91.3	89.1
47.5°	6859.0	4951.4	756.1	323.7	219.4	160.8	128.2	104.3	86.9	76.0	73.9
50°	7730.2	5442.5	595.3	286.8	184.7	139.0	108.6	86.9	71.7	60.8	58.7
52.5°	8777.5	6179.0	510.6	254.2	158.6	121.7	93.4	71.7	58.7	50.0	47.8
55°	9981.1	7058.9	471.5	221.6	134.7	104.3	76.0	58.7	47.8	41.3	36.9
57.5°	11084.8	7851.9	469.3	189.0	115.1	89.1	63.0	50.0	41.3	32.6	30.4
60°	12160.3	8514.6	441.0	156.4	99.9	73.9	54.3	41.3	34.8	28.2	26.1
62.5°	13135.8	9053.4	369.3	126.0	84.7	60.8	45.6	36.9	30.4	23.9	23.9
65°	14361.1	9739.9	282.4	102.1	69.5	50.0	39.1	32.6	28.2	21.7	21.7
67.5°	15627.8	10102.8	202.1	84.7	56.5	43.5	34.8	30.4	23.9	19.6	19.6
70°	14154.7	8536.3	145.6	69.5	47.8	36.9	30.4	28.2	23.9	19.6	17.4
72.5°	11054.4	6155.1	108.6	54.3	41.3	34.8	28.2	26.1	21.7	17.4	17.4
75°	8197.4	3589.2	82.6	43.5	32.6	28.2	28.2	26.1	21.7	17.4	15.2
77.5°	4456.1	1251.4	63.0	34.8	26.1	21.7	23.9	23.9	19.6	15.2	13.0
80°	1179.7	343.3	43.5	26.1	21.7	17.4	17.4	21.7	17.4	13.0	13.0
82.5°	343.3	99.9	30.4	21.7	17.4	15.2	15.2	15.2	13.0	10.9	8.7
85°	167.3	36.9	21.7	17.4	15.2	13.0	10.9	10.9	8.7	6.5	6.5
87.5°	73.9	15.2	17.4	15.2	15.2	10.9	8.7	6.5	6.5	4.3	2.2
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)