

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: P640836

Luminaire Tested: GWS-SA5E-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640836
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-SA5E-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: 30023.8 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

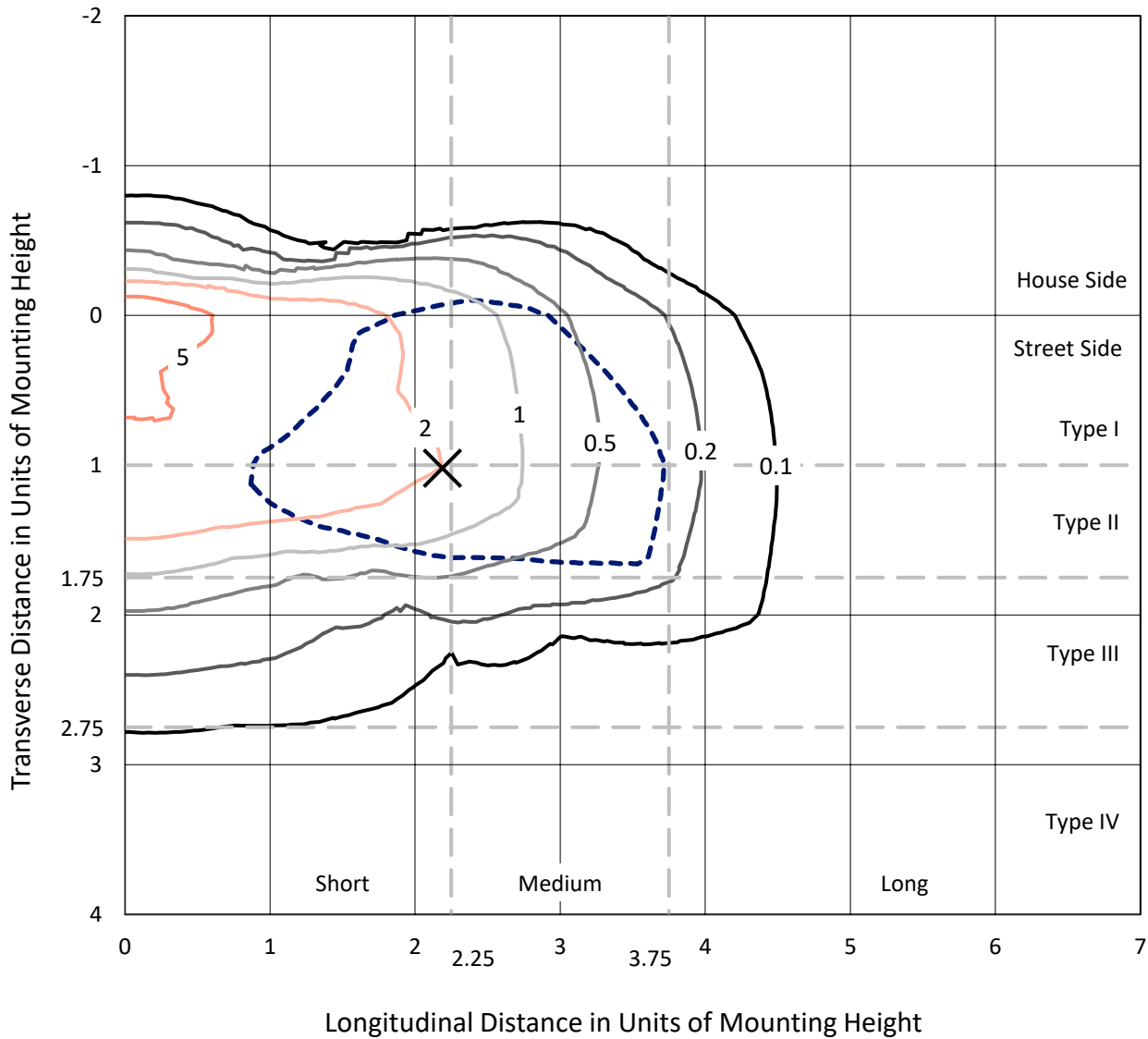
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

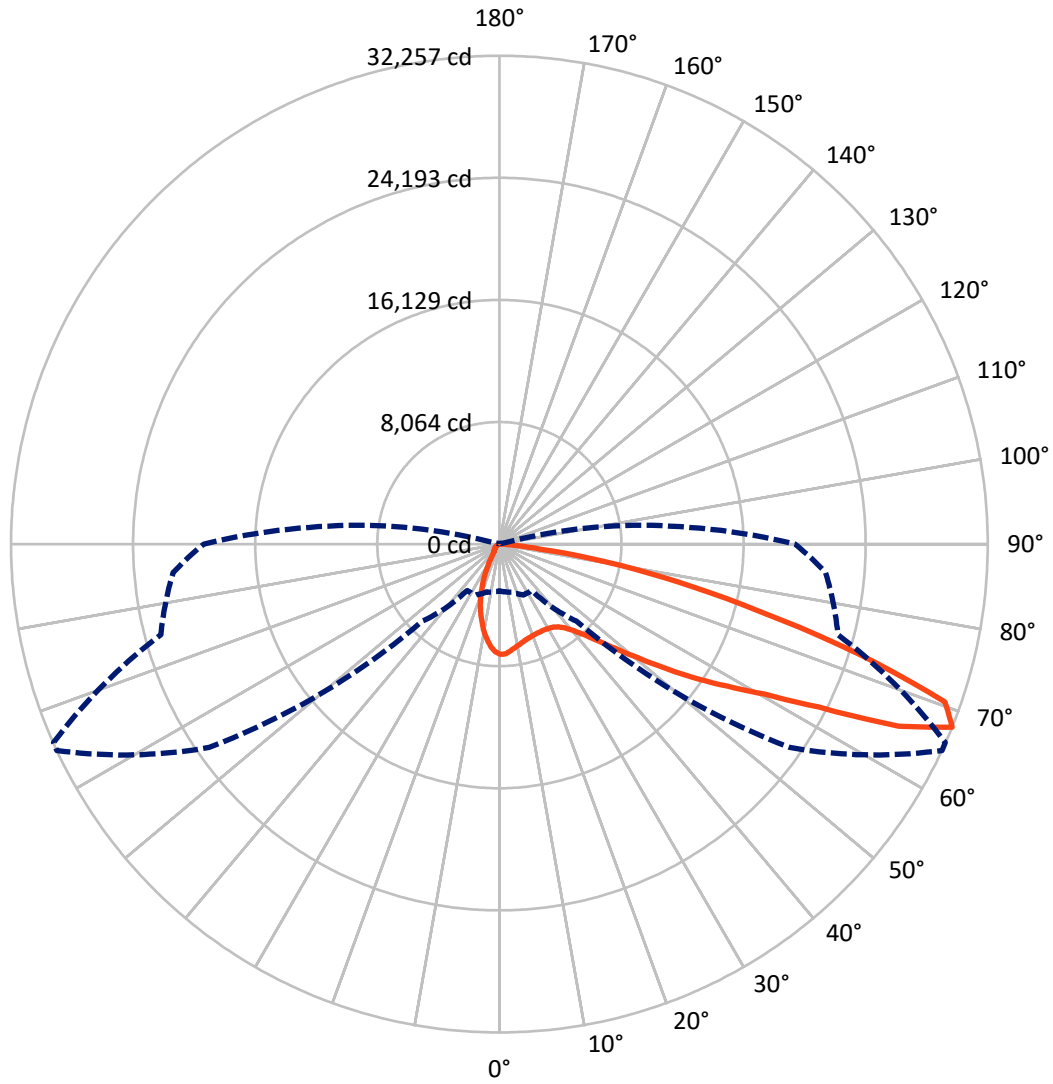
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.1 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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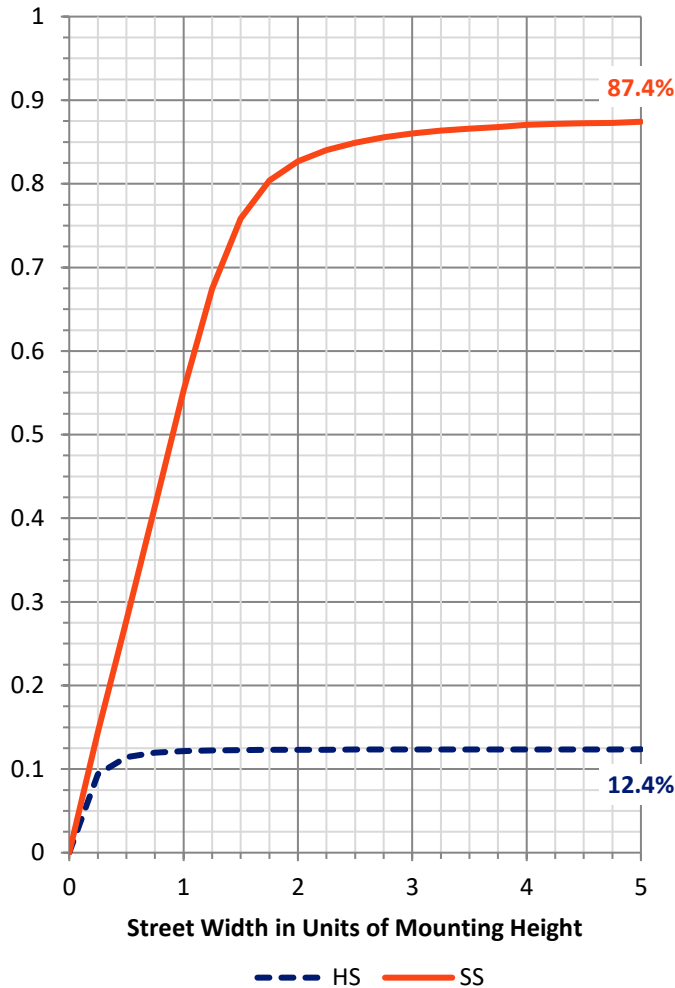
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3749.1	0.0	3749.1
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	26274.7	0.0	26274.7
	% Fixture	87.5	0.0	87.5
Total	Lumens	30023.8	0.0	30023.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.8	2.0
10°-20°	1359.5	4.5
20°-30°	1942.7	6.5
30°-40°	2826.3	9.4
40°-50°	4426.5	14.7
50°-60°	6905.5	23.0
60°-70°	7585.4	25.3
70°-80°	4036.9	13.4
80°-90°	336.1	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°	30023.8	100.0
0°-180°	30023.8	100.0

Coefficient of Utilization



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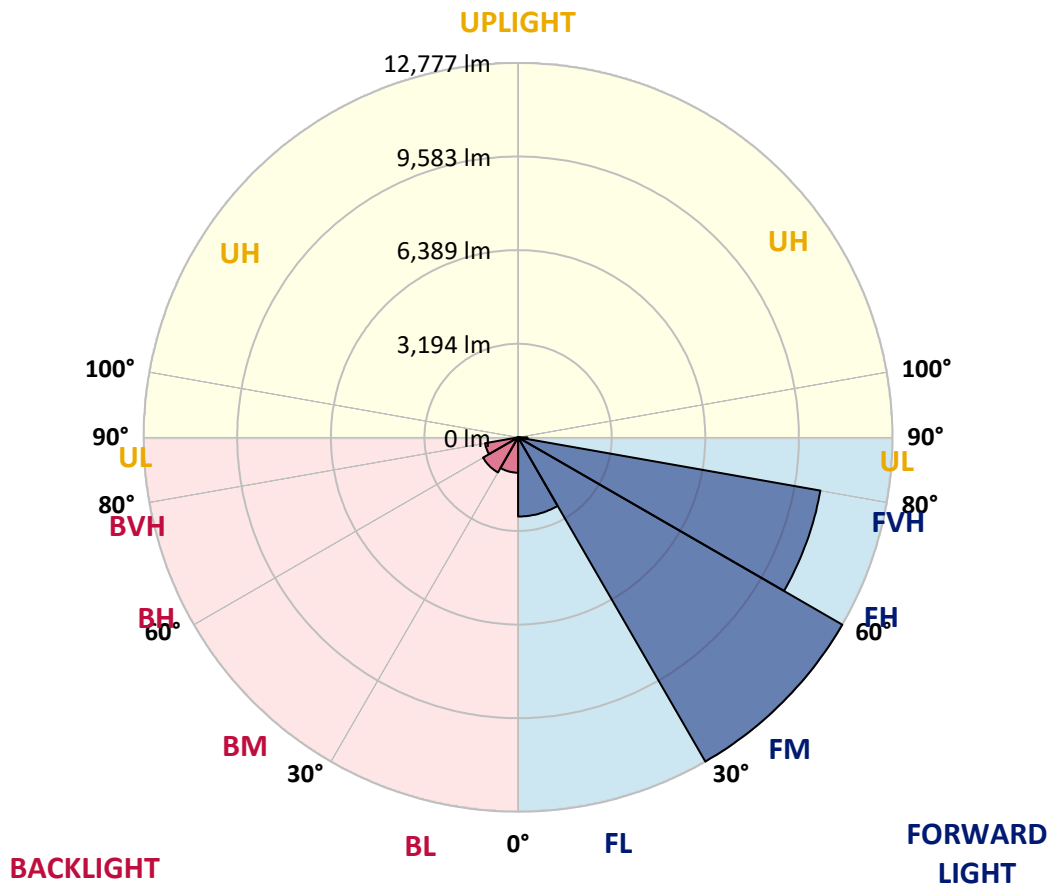
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2702.0	9.0			
FM (30°-60°)	12777.5	42.6			
FH (60°-80°)	10477.2	34.9			G4/12000
FVH (80°-90°)	318.1	1.1			G3/500
BL (0°-30°)	1205.0	4.0	B3/2500		
BM (30°-60°)	1380.9	4.6	B2/2500		
BH (60°-80°)	1145.1	3.8	B3/2500		G3/2500
BVH (80°-90°)	18.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7281.7	7281.7	7281.7	7281.7	7281.7	7281.7	7281.7	7281.7	7281.7	7281.7	7281.7
2.5°	7029.2	7050.9	7021.1	7094.4	7108.0	7189.4	7235.6	7268.1	7265.4	7306.2	7306.2
5°	6616.5	6638.3	6622.0	6700.7	6763.1	6890.8	6996.6	7118.8	7124.2	7249.1	7295.3
7.5°	6266.3	6269.0	6269.0	6366.8	6448.2	6605.7	6763.1	6950.5	6972.2	7165.0	7287.1
10°	5978.5	5986.6	5989.4	6100.7	6190.3	6380.3	6581.2	6806.6	6831.0	7091.7	7281.7
12.5°	5780.3	5783.0	5793.9	5910.6	6008.4	6206.6	6410.2	6668.1	6700.7	7007.5	7257.3
15°	5685.3	5679.8	5685.3	5783.0	5880.8	6070.8	6279.9	6556.8	6592.1	6936.9	7260.0
17.5°	5679.8	5671.7	5666.3	5739.6	5802.0	5970.4	6182.1	6483.5	6521.5	6904.3	7289.9
20°	5758.6	5753.2	5726.0	5758.6	5772.2	5910.6	6119.7	6426.5	6464.5	6898.9	7355.0
22.5°	5964.9	5951.4	5910.6	5880.8	5807.5	5888.9	6076.2	6385.8	6429.2	6912.5	7439.2
25°	6271.7	6266.3	6214.7	6141.4	5954.1	5921.5	6079.0	6385.8	6426.5	6928.8	7528.8
27.5°	6733.3	6700.7	6635.5	6507.9	6239.1	6049.1	6133.3	6402.0	6442.8	6950.5	7602.1
30°	7203.0	7200.3	7178.5	7048.2	6649.1	6293.4	6247.3	6445.5	6483.5	6969.5	7670.0
32.5°	7689.0	7697.1	7751.4	7651.0	7213.8	6657.3	6453.6	6535.1	6562.2	7007.5	7729.7
35°	8150.5	8166.8	8310.7	8346.0	7900.7	7208.4	6790.3	6714.3	6717.0	7091.7	7808.4
37.5°	8593.1	8647.4	8878.2	9049.2	8756.0	7876.3	7276.3	7018.4	6996.6	7260.0	7927.9
40°	9095.4	9198.5	9489.0	9779.5	9687.2	8758.7	7938.8	7485.3	7439.2	7569.5	8142.4
42.5°	9651.9	9763.3	10148.8	10556.0	10599.5	9825.7	8766.8	8166.8	8088.1	8090.8	8544.2
45°	10249.2	10398.6	10846.6	11433.0	11696.4	11014.9	9787.7	9087.2	9008.5	8891.7	9190.4
47.5°	11033.9	11164.2	11595.9	12271.9	12776.9	12291.0	11126.2	10271.0	10127.1	9956.0	10194.9
50°	11709.9	11824.0	12195.9	13043.0	14093.7	13936.3	12643.9	11750.7	11612.2	11321.7	11519.9
52.5°	11859.3	11948.9	12291.0	13243.9	15101.0	16013.3	14503.7	13539.9	13442.1	12904.5	12980.6
55°	11188.6	11324.4	11631.2	12690.1	15364.4	18044.1	16917.4	15557.1	15353.5	14495.6	14631.3
57.5°	9494.5	9736.1	10023.9	11400.4	14650.3	19124.7	20289.4	17693.9	17509.2	16026.8	16029.6
60°	6958.6	7154.1	7346.9	8606.7	12956.1	19051.4	23349.3	20094.0	19757.3	17278.5	17232.3
62.5°	5060.8	5161.3	5158.6	5606.5	8897.2	17797.0	24956.6	23710.4	22925.7	18617.0	18353.6
65°	3980.2	3977.5	4094.3	4240.9	4968.5	13738.1	25154.8	28991.1	28144.0	20411.6	19863.2
67.5°	3097.9	3157.6	3274.3	3706.0	3733.2	7189.4	23411.7	32257.3	32241.0	23151.1	21630.7
70°	2389.2	2470.7	2636.3	3266.2	3448.1	4023.7	17517.4	31222.9	31486.2	24375.6	20379.0
72.5°	1534.0	1528.6	1772.9	2639.0	3312.3	3353.1	9687.2	24801.8	25100.5	22078.6	16477.5
75°	858.0	863.4	1001.8	1615.4	3087.0	3154.9	4797.5	17685.7	17921.9	17213.3	12660.2
77.5°	336.7	347.5	469.7	849.8	2036.3	2818.2	2850.8	12060.2	12095.5	10667.4	7765.0
80°	135.8	143.9	238.9	526.7	1240.8	1897.8	2036.3	7105.2	6961.3	4129.6	2258.9
82.5°	40.7	43.4	95.0	298.7	648.9	1349.4	1373.8	2725.9	2573.9	887.8	575.6
85°	2.7	2.7	21.7	92.3	230.8	339.4	915.0	887.8	787.4	222.6	255.2
87.5°	0.0	0.0	2.7	2.7	5.4	10.9	97.7	162.9	165.6	40.7	114.0
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°	7281.7	7281.7	7281.7	7281.7	7281.7	7281.7	7281.7	7281.7	7281.7	7281.7	7281.7
2.5°	7306.2	7208.4	7200.3	7124.2	7048.2	6953.2	6841.9	6760.4	6703.4	6603.0	6584.0
5°	7295.3	7165.0	7042.8	6825.6	6584.0	6323.3	6095.2	5883.5	5750.4	5660.8	5622.8
7.5°	7273.6	7108.0	6825.6	6415.6	6011.1	5555.0	5199.3	4873.5	4650.9	4520.5	4463.5
10°	7257.3	7034.6	6575.8	5954.1	5326.9	4697.0	4156.7	3673.4	3404.7	3192.9	3157.6
12.5°	7224.7	6928.8	6255.4	5413.8	4604.7	3768.5	3078.8	2487.0	2077.0	1892.4	1827.2
15°	7192.1	6817.4	5935.1	4843.6	3817.3	2785.6	1949.4	1379.2	1096.9	1010.0	1004.6
17.5°	7186.7	6717.0	5587.5	4303.3	2992.0	1824.5	1110.4	893.2	833.5	811.8	811.8
20°	7203.0	6632.8	5245.4	3681.6	2180.2	1110.4	828.1	773.8	738.5	719.5	719.5
22.5°	7219.3	6545.9	4916.9	3054.4	1447.1	811.8	730.3	684.2	643.5	621.7	610.9
25°	7230.1	6450.9	4553.1	2424.5	944.8	705.9	640.7	581.0	532.1	505.0	505.0
27.5°	7227.4	6336.9	4186.6	1808.2	733.1	627.2	548.4	486.0	437.1	407.3	410.0
30°	7205.7	6212.0	3806.5	1262.5	640.7	548.4	469.7	404.5	355.7	331.2	328.5
32.5°	7189.4	6079.0	3366.6	887.8	575.6	480.6	399.1	336.7	295.9	276.9	274.2
35°	7170.4	5948.6	2948.5	676.0	518.6	415.4	336.7	285.1	252.5	236.2	236.2
37.5°	7175.8	5812.9	2495.1	581.0	461.6	361.1	287.8	244.4	217.2	200.9	198.2
40°	7260.0	5731.4	2049.8	526.7	410.0	312.2	249.8	211.8	184.6	168.3	165.6
42.5°	7469.1	5734.1	1623.6	486.0	363.8	266.1	217.2	181.9	157.5	138.5	135.8
45°	7887.2	5848.2	1246.2	442.6	314.9	230.8	187.3	154.8	130.3	114.0	111.3
47.5°	8571.4	6187.6	944.8	404.5	274.2	200.9	160.2	130.3	108.6	95.0	92.3
50°	9660.1	6801.2	743.9	358.4	230.8	173.8	135.8	108.6	89.6	76.0	73.3
52.5°	10968.7	7721.6	638.0	317.7	198.2	152.0	116.7	89.6	73.3	62.4	59.7
55°	12472.9	8821.1	589.2	276.9	168.3	130.3	95.0	73.3	59.7	51.6	46.2
57.5°	13852.1	9812.1	586.4	236.2	143.9	111.3	78.7	62.4	51.6	40.7	38.0
60°	15196.0	10640.2	551.2	195.5	124.9	92.3	67.9	51.6	43.4	35.3	32.6
62.5°	16415.1	11313.5	461.6	157.5	105.9	76.0	57.0	46.2	38.0	29.9	29.9
65°	17946.4	12171.5	353.0	127.6	86.9	62.4	48.9	40.7	35.3	27.2	27.2
67.5°	19529.2	12624.9	252.5	105.9	70.6	54.3	43.4	38.0	29.9	24.4	24.4
70°	17688.4	10667.4	181.9	86.9	59.7	46.2	38.0	35.3	29.9	24.4	21.7
72.5°	13814.1	7691.7	135.8	67.9	51.6	43.4	35.3	32.6	27.2	21.7	21.7
75°	10243.8	4485.2	103.2	54.3	40.7	35.3	35.3	32.6	27.2	21.7	19.0
77.5°	5568.5	1563.9	78.7	43.4	32.6	27.2	29.9	29.9	24.4	19.0	16.3
80°	1474.3	429.0	54.3	32.6	27.2	21.7	21.7	27.2	21.7	16.3	16.3
82.5°	429.0	124.9	38.0	27.2	21.7	19.0	19.0	19.0	16.3	13.6	10.9
85°	209.1	46.2	27.2	21.7	19.0	16.3	13.6	13.6	10.9	8.1	8.1
87.5°	92.3	19.0	21.7	19.0	19.0	13.6	10.9	8.1	8.1	5.4	2.7
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)