

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: P643260

Luminaire Tested: GWS-SA6E-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-750-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37086.6 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

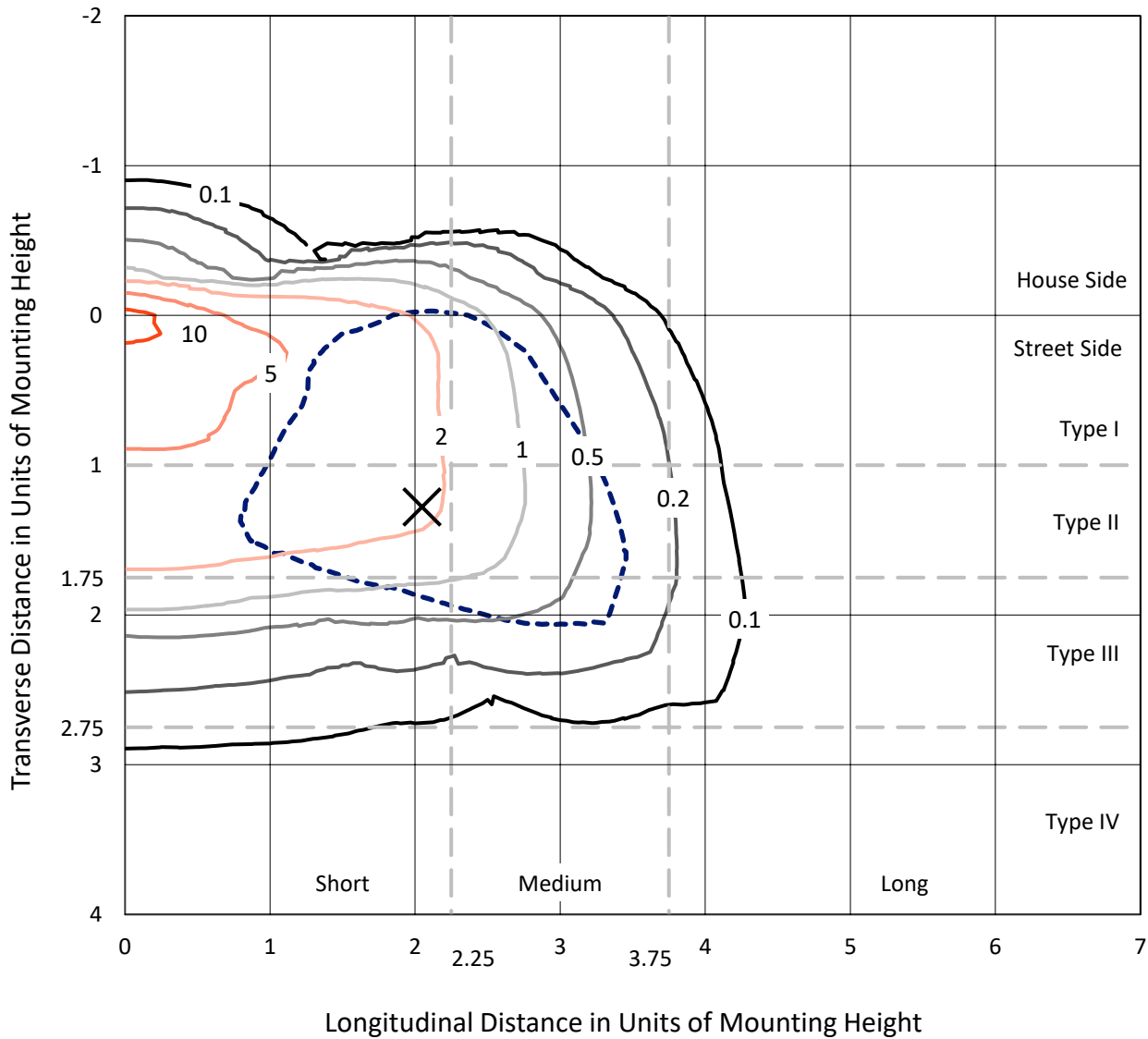
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

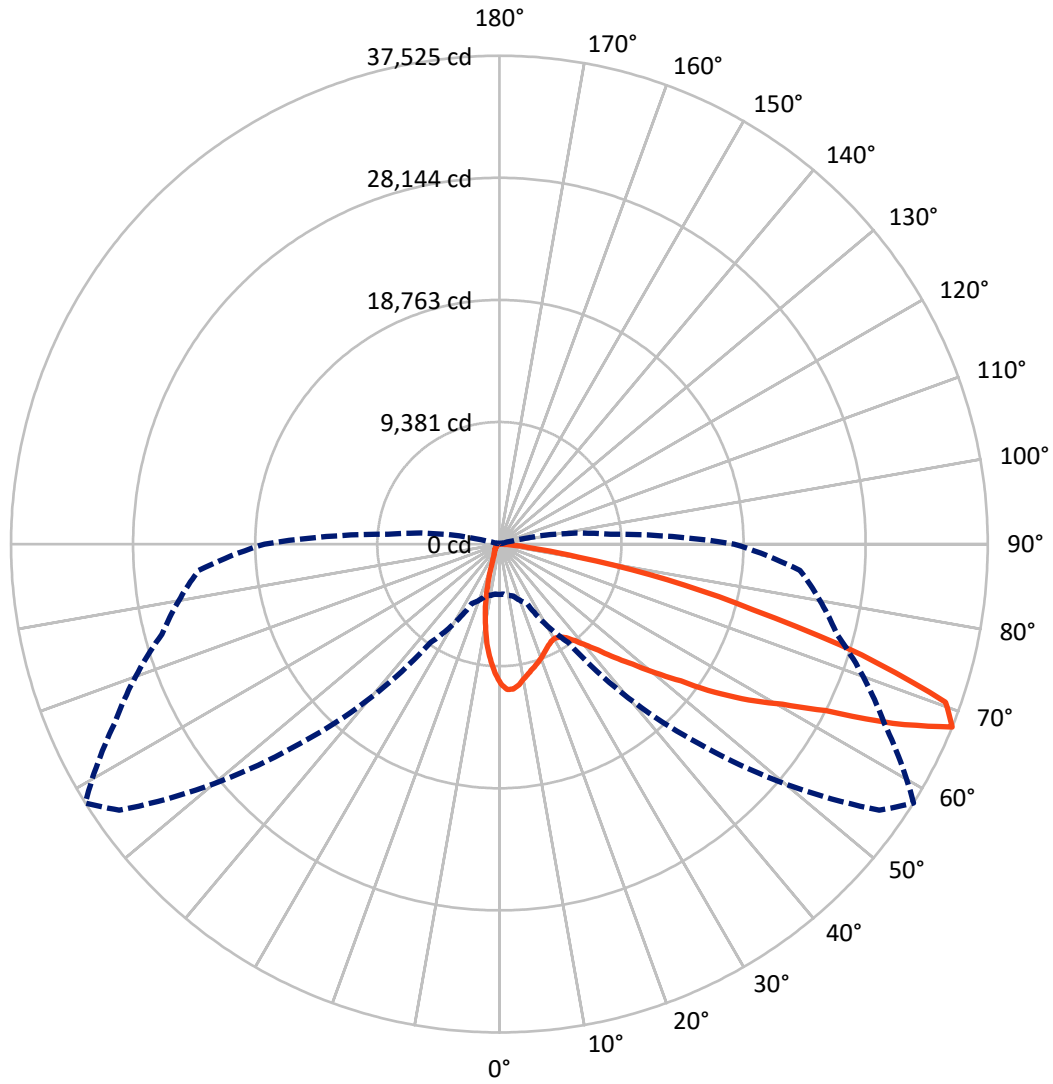
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3623.1	0.0	3623.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	33463.5	0.0	33463.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	37086.6	0.0	37086.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	869.3	2.3
10°-20°	1809.5	4.9
20°-30°	2440.3	6.6
30°-40°	3429.1	9.2
40°-50°	5295.9	14.3
50°-60°	8468.8	22.8
60°-70°	10027.7	27.0
70°-80°	4436.0	12.0
80°-90°	310.1	0.8
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°	37086.6	100.0
0°-180°	37086.6	100.0

Coefficient of Utilization



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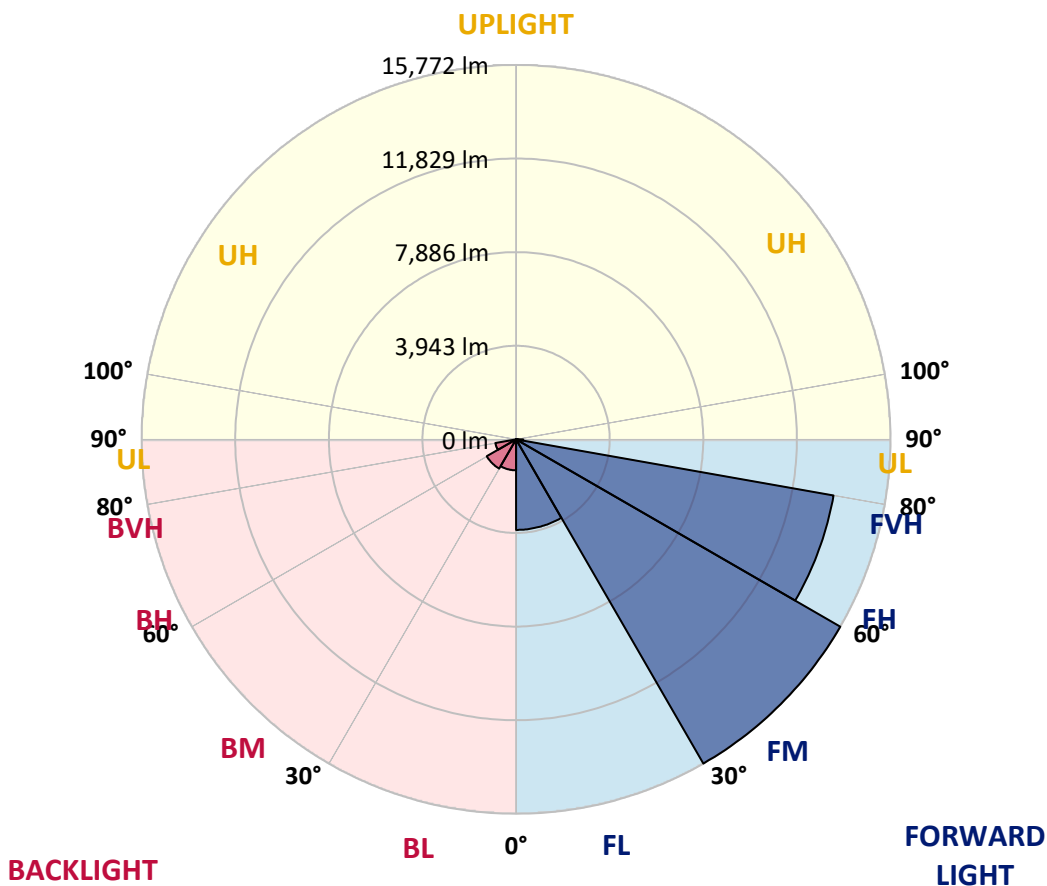
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3815.3	10.3			
FM (30°-60°)	15772.2	42.5			
FH (60°-80°)	13579.1	36.6			G5
FVH (80°-90°)	296.9	0.8			G3/500
BL (0°-30°)	1303.8	3.5	B3/2500		
BM (30°-60°)	1421.6	3.8	B2/2500		
BH (60°-80°)	884.5	2.4	B2/1000		G2/1000
BVH (80°-90°)	13.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10697.5	10697.5	10697.5	10697.5	10697.5	10697.5	10697.5	10697.5	10697.5	10697.5	10697.5
2.5°	11252.3	11271.9	11298.2	11331.0	11324.5	11294.9	11258.8	11176.8	11124.2	10960.1	10759.9
5°	10891.2	10887.9	10953.5	11015.9	11127.5	11186.6	11268.7	11193.2	11166.9	10970.0	10645.0
7.5°	10185.5	10221.6	10297.1	10395.5	10556.4	10730.3	10927.3	10904.3	10983.1	10851.8	10448.0
10°	9492.9	9473.2	9591.3	9739.0	9985.2	10208.4	10494.0	10490.7	10697.5	10684.4	10224.8
12.5°	8885.6	8882.3	8974.2	9141.6	9430.5	9742.3	10129.7	10139.5	10395.5	10500.6	10034.5
15°	8373.5	8380.1	8468.7	8642.7	8941.4	9322.2	9771.9	9853.9	10142.8	10356.1	9847.4
17.5°	8009.2	8012.5	8065.0	8216.0	8508.1	8915.1	9456.7	9568.4	9939.3	10247.8	9696.4
20°	7841.8	7828.7	7838.5	7914.0	8140.5	8511.4	9135.1	9279.5	9752.2	10172.3	9558.5
22.5°	7864.8	7845.1	7799.1	7789.3	7891.0	8173.3	8793.7	8970.9	9548.7	10126.4	9433.8
25°	8068.3	8025.6	7959.9	7861.5	7822.1	7963.2	8495.0	8678.8	9358.3	10129.7	9338.6
27.5°	8380.1	8334.1	8252.1	8120.8	7966.5	7907.4	8291.5	8465.4	9223.7	10205.1	9292.6
30°	8777.3	8741.2	8662.4	8504.8	8298.0	8055.1	8248.8	8393.2	9158.0	10359.4	9312.3
32.5°	9246.7	9220.4	9154.8	9010.3	8774.0	8403.1	8393.2	8504.8	9210.6	10582.6	9387.8
35°	9699.7	9709.5	9712.8	9634.0	9381.3	8931.6	8790.4	8829.8	9427.2	10917.4	9558.5
37.5°	10188.7	10165.8	10283.9	10339.7	10096.8	9617.6	9404.2	9407.5	9840.8	11413.1	9880.2
40°	10559.7	10566.2	10822.2	11052.0	10950.3	10487.4	10182.2	10178.9	10477.6	12092.6	10398.8
42.5°	10907.6	10950.3	11327.7	11721.6	11862.8	11452.5	11232.6	11150.5	11370.4	13011.6	11176.8
45°	11278.5	11340.9	11869.4	12430.7	12801.6	12558.7	12384.7	12417.5	12443.8	14081.7	12223.9
47.5°	11711.8	11751.2	12404.4	13195.5	13888.1	13825.7	13835.5	13796.2	13783.0	15430.8	13609.1
50°	12237.0	12328.9	13080.6	14025.9	14971.3	15384.9	15522.7	15539.1	15325.8	16901.4	15043.5
52.5°	13353.0	13464.6	14108.0	14935.2	16153.0	17022.8	17584.1	17472.5	17144.3	18325.9	16615.8
55°	14669.3	14754.6	15375.0	16231.7	17597.2	18818.3	20151.0	20105.0	19300.8	19826.0	17909.1
57.5°	14794.0	14889.2	15851.0	17163.9	19451.8	21037.2	22438.9	22586.6	21408.2	20889.5	19064.5
60°	13392.4	13586.1	14899.1	16665.0	20160.8	24021.0	24946.6	24976.2	22954.2	21969.5	20475.9
62.5°	10733.6	10825.5	12148.4	14452.6	19067.8	25760.7	28777.3	28153.6	24940.1	23640.2	22711.3
65°	5626.1	6000.3	7152.5	9702.9	15463.6	25153.4	33385.8	33215.1	28511.4	26033.1	24451.0
67.5°	3860.2	3856.9	4129.3	5058.3	9220.4	21657.6	35647.4	37525.0	32640.7	26853.8	23190.5
70°	2937.8	2947.6	3190.5	3794.5	4776.0	14416.5	33165.9	36376.2	33408.8	24382.1	18755.9
72.5°	1949.8	1969.5	2373.2	3065.8	3814.2	7067.1	25773.8	29105.5	28110.9	19583.1	13202.0
75°	1165.3	1181.7	1470.5	2228.8	3390.8	3955.4	16376.2	20121.4	19350.1	13497.4	7077.0
77.5°	479.2	492.4	755.0	1388.5	2481.5	3072.4	9056.3	13165.9	11590.3	5366.8	1933.4
80°	200.2	206.8	364.4	971.6	1788.9	1926.8	4195.0	6187.4	4749.7	1155.4	590.8
82.5°	72.2	75.5	134.6	535.0	1112.8	1450.8	2117.2	2445.4	1339.2	377.5	318.4
85°	3.3	3.3	32.8	180.5	423.4	410.3	1211.2	1171.8	443.1	157.6	190.4
87.5°	0.0	0.0	3.3	3.3	6.6	16.4	114.9	203.5	95.2	39.4	82.1
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°	10697.5	10697.5	10697.5	10697.5	10697.5	10697.5	10697.5	10697.5	10697.5	10697.5	10697.5
2.5°	10628.6	10454.6	10264.2	10087.0	9804.7	9637.3	9430.5	9338.6	9207.3	9174.5	9194.2
5°	10411.9	10113.2	9657.0	9243.4	8708.3	8278.3	7845.1	7661.2	7424.9	7267.4	7201.7
7.5°	10106.7	9716.1	9003.8	8252.1	7516.8	6732.3	6134.9	5741.0	5383.2	5186.3	5146.9
10°	9798.1	9289.3	8268.5	7191.9	6052.8	5114.1	4306.6	3709.2	3223.4	3003.4	2832.8
12.5°	9479.7	8846.2	7520.1	6115.2	4792.4	3512.2	2514.4	1933.4	1585.4	1447.6	1470.5
15°	9187.6	8419.5	6778.3	5038.6	3374.4	2120.5	1388.5	1171.8	1089.8	1063.5	1060.2
17.5°	8908.6	8015.8	6039.7	3991.5	2225.5	1299.9	1063.5	1011.0	988.0	974.9	974.9
20°	8655.8	7628.4	5317.6	3006.7	1437.7	1030.7	961.8	935.5	915.8	906.0	906.0
22.5°	8419.5	7254.2	4611.8	2127.0	1060.2	925.7	883.0	856.7	833.7	820.6	820.6
25°	8206.1	6916.1	3938.9	1464.0	912.5	846.9	800.9	771.4	732.0	709.0	709.0
27.5°	8051.9	6614.1	3292.3	1066.8	823.9	761.5	709.0	669.6	626.9	600.7	594.1
30°	7959.9	6358.1	2639.1	876.4	741.8	679.5	620.4	571.1	521.9	495.7	492.4
32.5°	7907.4	6121.8	2041.7	764.8	672.9	600.7	535.0	482.5	433.3	403.7	400.5
35°	7927.1	5938.0	1529.6	689.3	607.3	531.8	459.5	407.0	364.4	338.1	331.5
37.5°	8097.8	5855.9	1148.9	630.2	551.5	472.7	397.2	347.9	308.6	288.9	285.6
40°	8429.3	5872.3	902.7	584.3	505.5	413.6	341.4	295.4	265.9	249.5	246.2
42.5°	8944.7	6010.2	745.1	544.9	456.3	361.1	295.4	259.3	229.8	213.4	210.1
45°	9712.8	6295.7	649.9	498.9	403.7	311.8	256.0	223.2	196.9	177.3	174.0
47.5°	10825.5	6791.4	587.6	456.3	357.8	269.2	219.9	187.1	164.1	147.7	144.4
50°	12010.5	7385.5	535.0	413.6	318.4	233.1	187.1	154.3	134.6	118.2	114.9
52.5°	13274.2	8025.6	495.7	374.2	282.3	200.2	157.6	128.0	108.3	91.9	88.6
55°	14488.7	8669.0	449.7	347.9	239.6	170.7	131.3	105.0	85.3	72.2	72.2
57.5°	15670.4	9259.8	400.5	305.3	196.9	144.4	108.3	85.3	68.9	59.1	55.8
60°	17081.9	10077.1	344.7	259.3	164.1	121.5	88.6	68.9	55.8	46.0	46.0
62.5°	19179.4	10927.3	295.4	216.6	137.9	101.8	72.2	55.8	46.0	39.4	36.1
65°	19865.4	10467.7	249.5	177.3	111.6	82.1	59.1	49.2	39.4	36.1	32.8
67.5°	18033.8	8580.3	206.8	144.4	91.9	68.9	52.5	42.7	36.1	32.8	29.5
70°	14071.9	6089.0	160.8	108.3	75.5	55.8	46.0	39.4	32.8	29.5	29.5
72.5°	9571.6	3600.9	128.0	82.1	62.4	49.2	39.4	36.1	32.8	29.5	26.3
75°	4713.6	1280.2	98.5	62.4	49.2	42.7	36.1	32.8	29.5	26.3	26.3
77.5°	1270.3	354.5	75.5	49.2	39.4	32.8	32.8	32.8	29.5	23.0	23.0
80°	430.0	147.7	55.8	36.1	32.8	26.3	23.0	29.5	26.3	23.0	19.7
82.5°	236.3	72.2	39.4	29.5	23.0	19.7	19.7	19.7	19.7	16.4	16.4
85°	151.0	39.4	26.3	23.0	23.0	16.4	13.1	13.1	9.8	9.8	9.8
87.5°	68.9	23.0	23.0	19.7	19.7	16.4	9.8	6.6	3.3	3.3	3.3
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)