

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: P643304

Luminaire Tested: GWS-SA6E-760-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37873.3 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

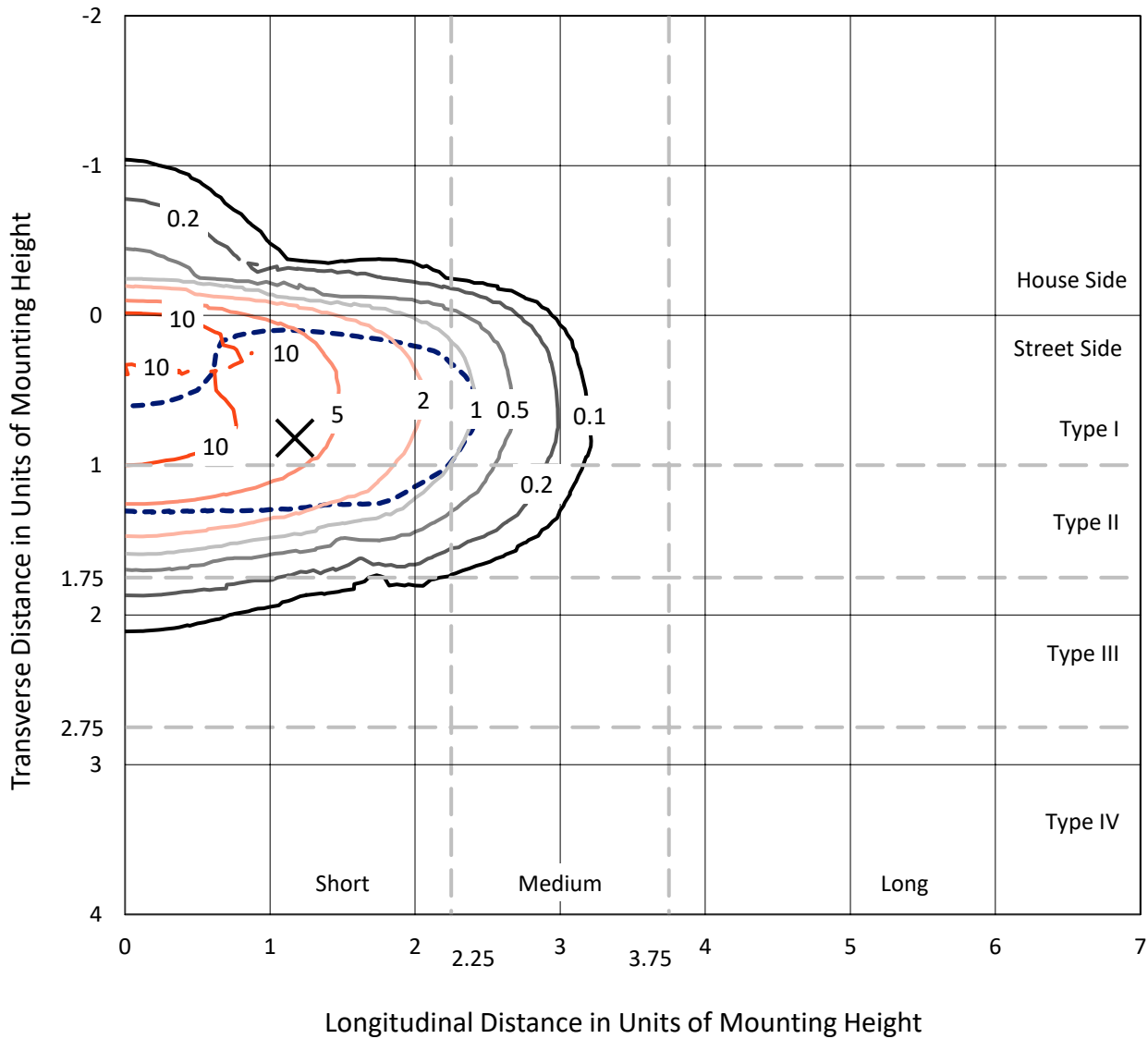
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

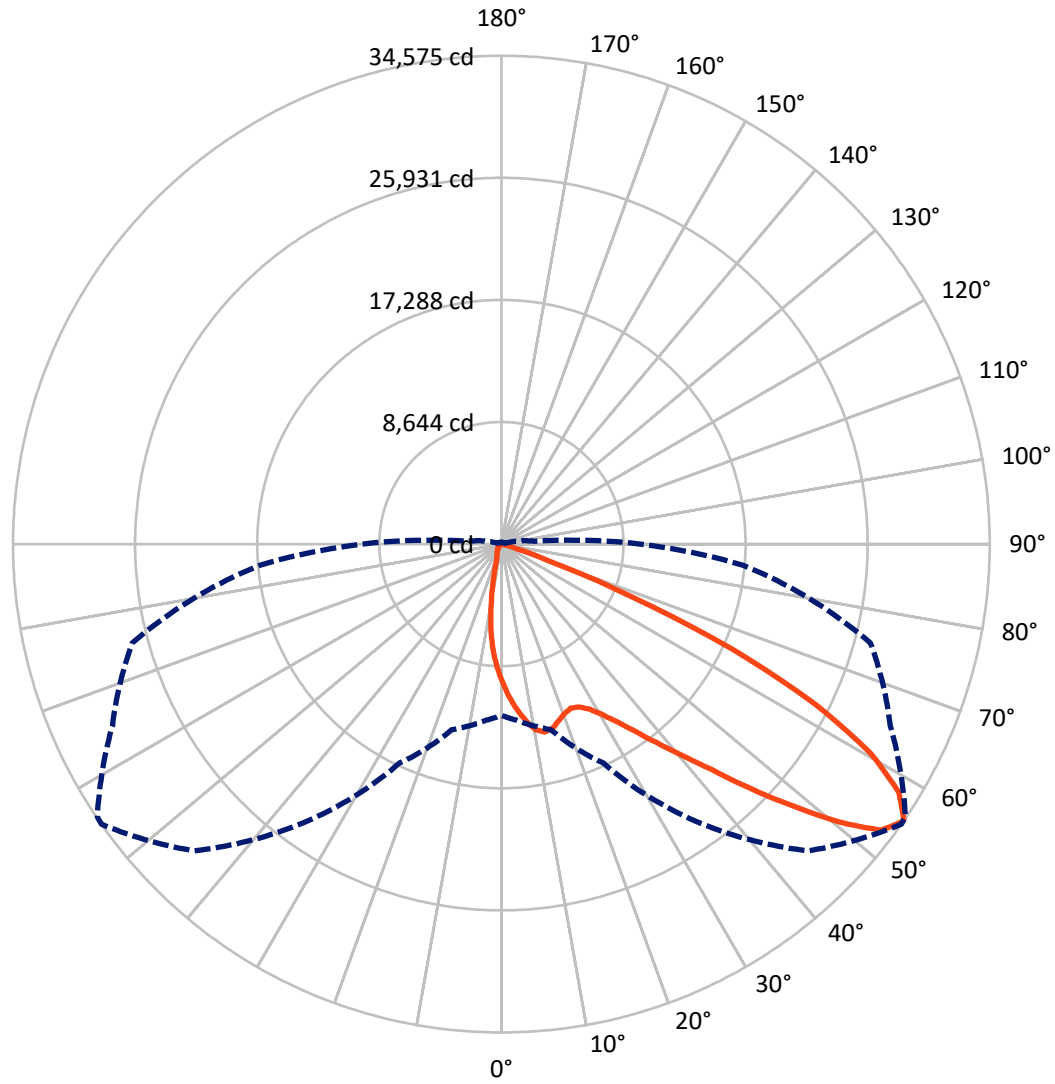
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 14.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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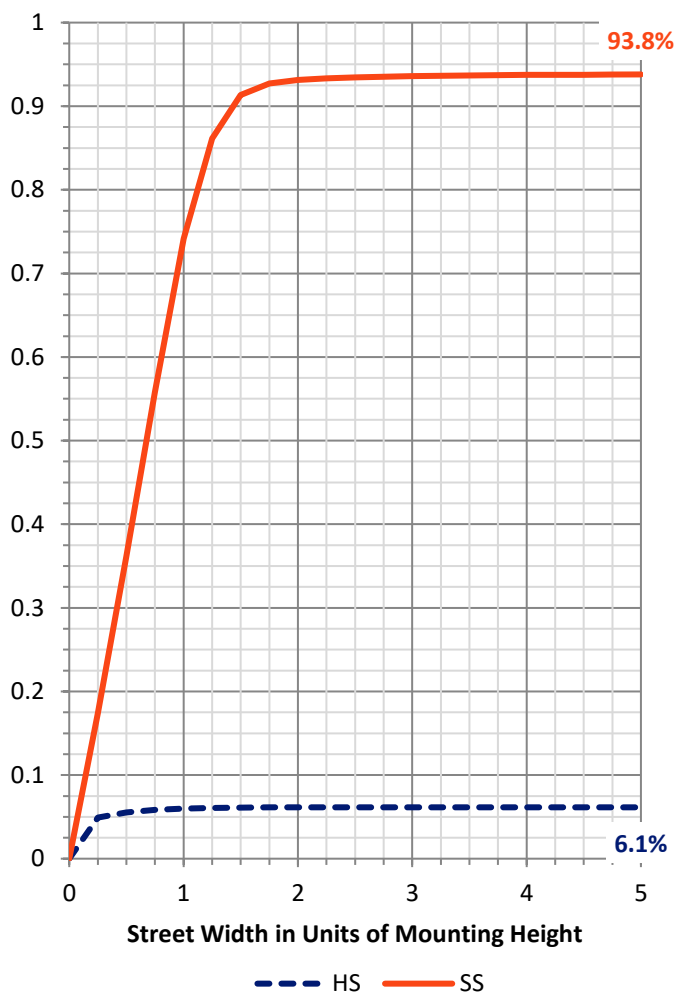
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2336.9	0.0	2336.9
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	35536.4	0.0	35536.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	37873.3	0.0	37873.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	864.7	2.3
10°-20°	2084.7	5.5
20°-30°	3471.8	9.2
30°-40°	5916.1	15.6
40°-50°	9657.2	25.5
50°-60°	10110.6	26.7
60°-70°	5099.6	13.5
70°-80°	644.1	1.7
80°-90°	24.5	0.1
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°	37873.3	100.0
0°-180°	37873.3	100.0

Coefficient of Utilization



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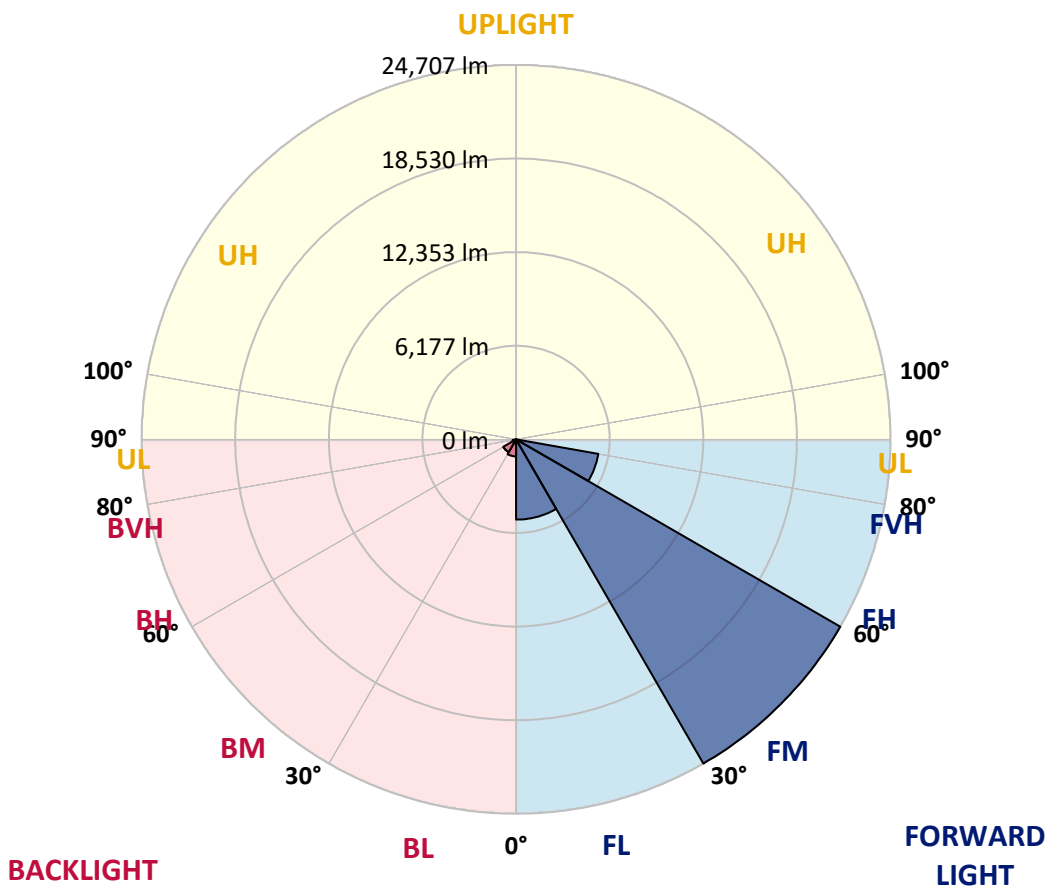
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5297.9	14.0			
FM (30°-60°)	24706.8	65.2			
FH (60°-80°)	5509.3	14.5			G3/7500
FVH (80°-90°)	22.2	0.1			G1/100
BL (0°-30°)	1123.2	3.0	B3/2500		
BM (30°-60°)	977.1	2.6	B1/1000		
BH (60°-80°)	234.4	0.6	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	9784.2	9784.2	9784.2	9784.2	9784.2	9784.2	9784.2	9784.2	9784.2	9784.2	9784.2
2.5°	11406.3	11351.3	11435.5	11338.3	11173.2	11034.0	10852.7	10787.9	10496.5	10221.3	9955.8
5°	12792.0	12808.2	12782.3	12646.3	12413.2	12154.2	11788.4	11707.4	11199.1	10674.6	10108.0
7.5°	13135.2	13125.5	13180.6	13232.4	13193.5	13064.0	12665.8	12584.8	11953.5	11166.7	10341.1
10°	12076.5	12083.0	12196.3	12546.0	12979.8	13429.9	13368.3	13323.0	12704.6	11723.6	10600.1
12.5°	10580.7	10639.0	10758.8	11257.4	11992.3	13015.4	13650.0	13695.3	13394.2	12335.5	10904.5
15°	9933.2	9946.1	10043.3	10344.4	10891.5	12154.2	13530.2	13656.5	13970.6	12950.7	11234.7
17.5°	9917.0	9933.2	9975.3	10108.0	10464.2	11477.5	13144.9	13365.1	14404.4	13611.2	11629.7
20°	10525.7	10516.0	10486.8	10415.6	10571.0	11254.1	12788.8	13031.6	14640.7	14255.5	12027.9
22.5°	11629.7	11616.8	11487.3	11192.6	11066.4	11458.1	12614.0	12834.1	14783.2	14828.5	12355.0
25°	12902.1	12992.8	12749.9	12303.2	11992.3	11979.4	12769.4	12924.8	14906.2	15336.8	12578.4
27.5°	14297.6	14326.7	14119.5	13617.6	13167.6	12814.7	13219.4	13336.0	15042.2	15790.1	12704.6
30°	15829.0	15819.3	15582.9	15000.1	14453.0	13944.6	13977.0	14022.4	15359.5	16308.1	12843.8
32.5°	17742.4	17784.5	17363.6	16570.4	15913.2	15210.6	14967.8	14974.2	15932.6	16975.1	13054.3
35°	20342.3	20238.7	19681.8	18551.9	17431.6	16674.0	16259.6	16224.0	16816.5	17871.9	13420.1
37.5°	22819.1	22828.8	22246.0	21002.8	19587.9	18393.2	17807.2	17710.1	18059.7	19115.2	14028.8
40°	24538.3	24570.7	24327.9	23677.1	22178.0	20488.0	19626.8	19526.4	19672.1	20688.7	14825.3
42.5°	25448.1	25538.8	25606.7	25758.9	24622.5	23104.0	21779.8	21770.1	21617.9	22482.4	15748.0
45°	25483.7	25619.7	26034.1	27073.4	27202.9	26089.2	24648.4	24431.5	23845.4	24402.3	16573.6
47.5°	24075.3	24389.4	25270.0	27329.2	28689.0	29058.1	27630.3	27497.5	25852.8	25920.8	17192.0
50°	20792.3	21119.3	22741.4	26017.9	29064.6	31415.1	30903.6	30628.4	27529.9	26924.5	17489.9
52.5°	17425.1	17723.0	18823.8	22896.8	27507.3	32156.6	33662.1	33335.1	29035.4	27274.1	17366.9
55°	12125.1	12523.3	13598.2	17114.3	23919.9	30712.5	34575.1	34507.1	30379.1	27054.0	17175.8
57.5°	5944.4	6339.4	7411.0	10551.6	17719.8	26814.4	33179.7	33539.0	31182.0	26817.6	17020.4
60°	2483.3	2645.2	3014.3	4629.9	9913.7	20264.6	30029.4	30528.0	30689.9	26497.1	17004.2
62.5°	1440.8	1466.7	1505.5	1919.9	3856.1	11616.8	24910.6	25619.7	28103.0	26073.0	16748.5
65°	1087.9	1097.6	1081.4	1178.5	1592.9	4406.5	17998.2	18963.0	23456.9	24415.3	15738.3
67.5°	893.6	893.6	851.5	870.9	1000.4	1651.2	9936.4	11283.3	17357.2	20067.1	12996.0
70°	712.3	728.5	709.0	683.1	715.5	913.0	3535.5	4383.8	10108.0	11849.9	7579.4
72.5°	540.7	540.7	573.1	553.6	531.0	573.1	1233.6	1385.7	4056.8	4940.7	2735.8
75°	417.7	430.6	453.3	433.8	401.5	340.0	592.5	628.1	1223.8	1149.4	611.9
77.5°	213.7	216.9	288.2	317.3	297.9	207.2	259.0	284.9	398.2	356.1	226.6
80°	129.5	136.0	161.9	249.3	197.5	110.1	106.8	113.3	187.8	161.9	93.9
82.5°	55.0	58.3	90.7	90.7	80.9	42.1	42.1	42.1	90.7	84.2	38.9
85°	0.0	0.0	16.2	13.0	13.0	16.2	16.2	16.2	22.7	32.4	19.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	9.7	9.7
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°	9784.2	9784.2	9784.2	9784.2	9784.2	9784.2	9784.2	9784.2	9784.2	9784.2	9784.2
2.5°	9784.2	9577.0	9298.6	9046.1	8706.1	8515.1	8249.6	8032.7	7848.1	7789.8	7763.9
5°	9787.5	9431.3	8835.6	8239.9	7508.2	6931.9	6339.4	5869.9	5484.6	5361.6	5329.2
7.5°	9852.2	9327.7	8362.9	7281.5	6057.7	5047.5	4144.2	3334.8	2959.2	2833.0	2807.1
10°	9939.7	9240.3	7815.7	6132.1	4374.1	3075.8	2179.0	1660.9	1414.9	1278.9	1298.3
12.5°	10053.0	9169.1	7210.3	4888.9	2894.5	1690.1	1197.9	1003.7	951.9	926.0	913.0
15°	10205.1	9084.9	6459.2	3655.3	1774.2	1087.9	922.7	870.9	851.5	838.6	835.3
17.5°	10360.5	8987.8	5695.1	2570.7	1178.5	903.3	828.8	802.9	790.0	780.3	777.0
20°	10525.7	8822.7	4798.2	1771.0	929.2	812.7	764.1	735.0	718.8	702.6	699.3
22.5°	10596.9	8557.2	3940.2	1240.0	825.6	747.9	686.4	650.8	631.3	618.4	618.4
25°	10528.9	8126.6	3053.1	942.2	751.1	676.7	615.2	576.3	560.1	547.2	547.2
27.5°	10347.6	7572.9	2227.5	780.3	670.2	602.2	543.9	508.3	495.4	488.9	488.9
30°	10146.9	6873.6	1570.3	670.2	579.5	524.5	475.9	453.3	450.0	443.6	443.6
32.5°	9975.3	6219.6	1081.4	589.3	511.6	456.5	424.1	414.4	417.7	411.2	414.4
35°	9881.4	5578.5	802.9	524.5	456.5	404.7	388.5	388.5	388.5	385.3	385.3
37.5°	9920.2	4947.2	654.0	479.2	407.9	369.1	352.9	359.4	365.9	365.9	365.9
40°	10114.5	4387.0	579.5	437.1	365.9	336.7	323.8	333.5	343.2	349.7	349.7
42.5°	10360.5	3933.8	524.5	401.5	336.7	304.3	297.9	307.6	317.3	323.8	323.8
45°	10516.0	3477.3	469.5	356.1	307.6	268.7	268.7	281.7	278.4	281.7	281.7
47.5°	10587.2	3114.6	414.4	307.6	262.3	233.1	236.3	242.8	236.3	242.8	242.8
50°	10412.4	2748.8	365.9	255.8	216.9	204.0	210.4	207.2	207.2	220.2	220.2
52.5°	10091.8	2476.8	323.8	216.9	184.5	181.3	187.8	174.8	178.1	178.1	174.8
55°	9855.5	2321.4	288.2	187.8	158.6	161.9	158.6	136.0	123.0	110.1	106.8
57.5°	9738.9	2259.9	262.3	168.4	142.5	142.5	129.5	93.9	71.2	55.0	48.6
60°	9713.0	2185.4	236.3	145.7	126.3	119.8	93.9	55.0	35.6	25.9	22.7
62.5°	9467.0	2004.1	213.7	116.6	110.1	97.1	58.3	32.4	19.4	13.0	9.7
65°	8660.8	1648.0	191.0	90.7	84.2	71.2	35.6	19.4	9.7	3.2	0.0
67.5°	6889.8	1168.8	168.4	68.0	58.3	45.3	22.7	13.0	3.2	0.0	0.0
70°	3972.6	631.3	139.2	48.6	38.9	29.1	16.2	6.5	0.0	0.0	0.0
72.5°	1327.4	294.6	106.8	32.4	29.1	22.7	9.7	3.2	0.0	0.0	0.0
75°	291.4	174.8	71.2	22.7	19.4	16.2	6.5	0.0	0.0	0.0	0.0
77.5°	110.1	123.0	35.6	16.2	13.0	9.7	3.2	0.0	0.0	0.0	0.0
80°	42.1	80.9	16.2	9.7	9.7	3.2	0.0	0.0	0.0	0.0	0.0
82.5°	22.7	32.4	9.7	6.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.0	16.2	6.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.5	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)