

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: P629982

Luminaire Tested: GWS-SA1C-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4807.8 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

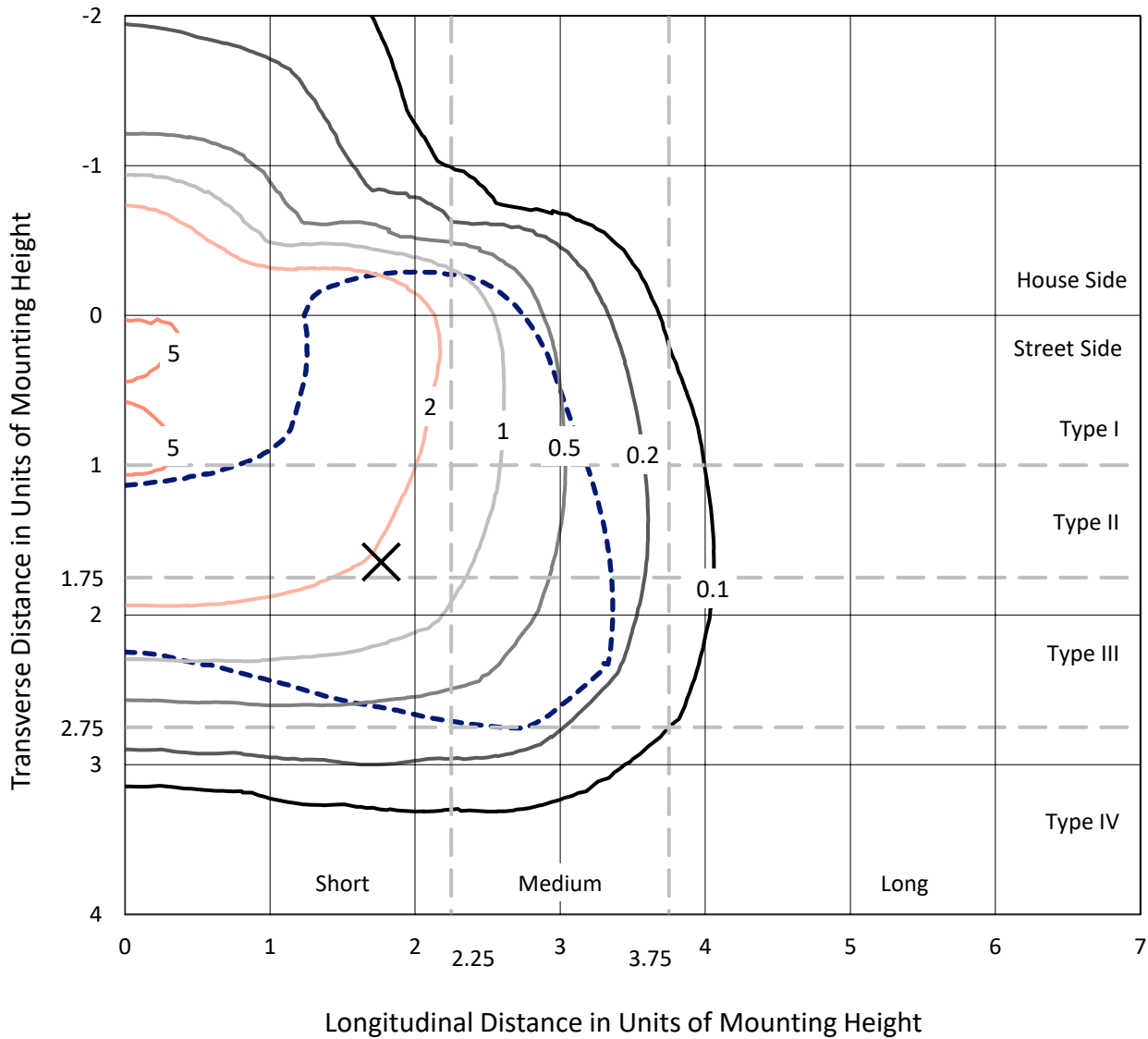
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

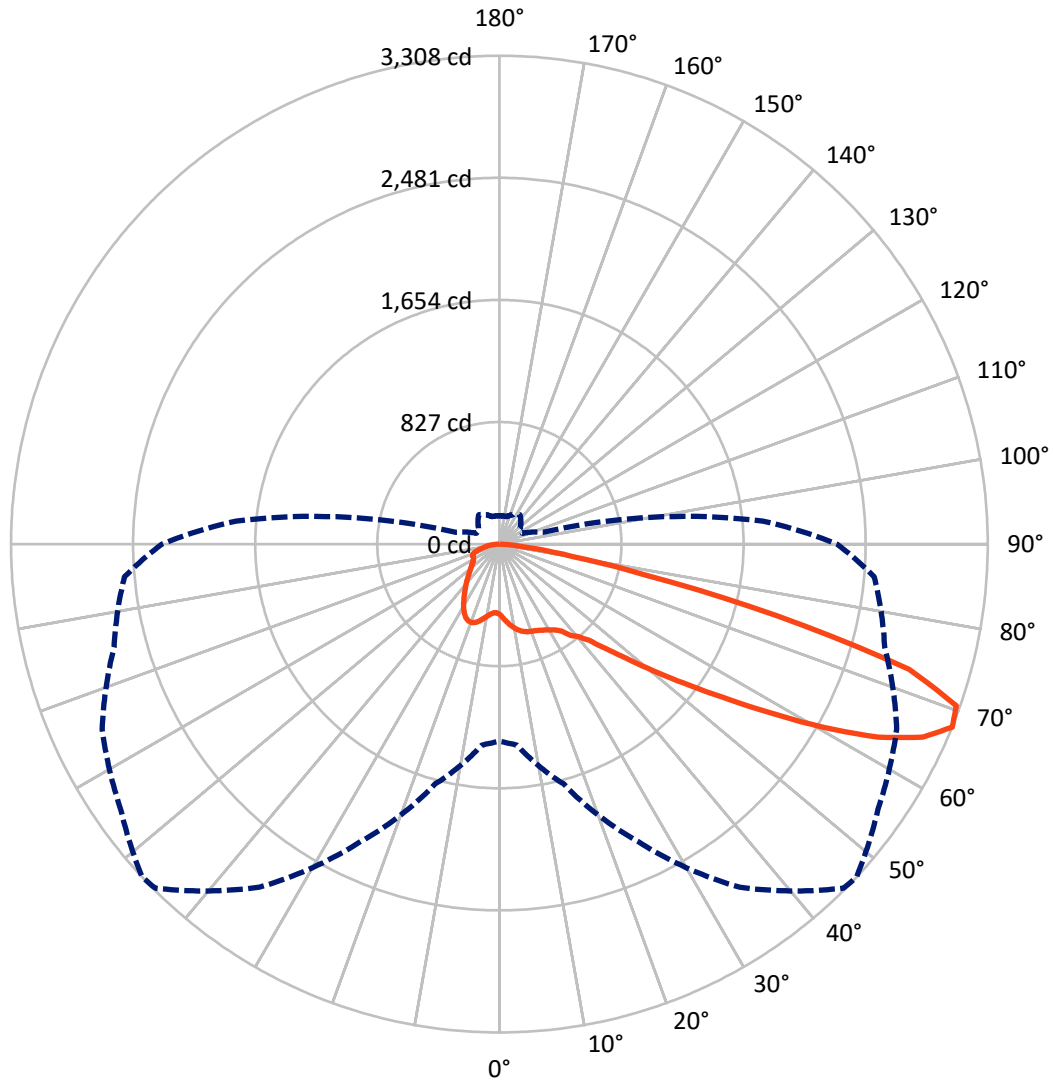
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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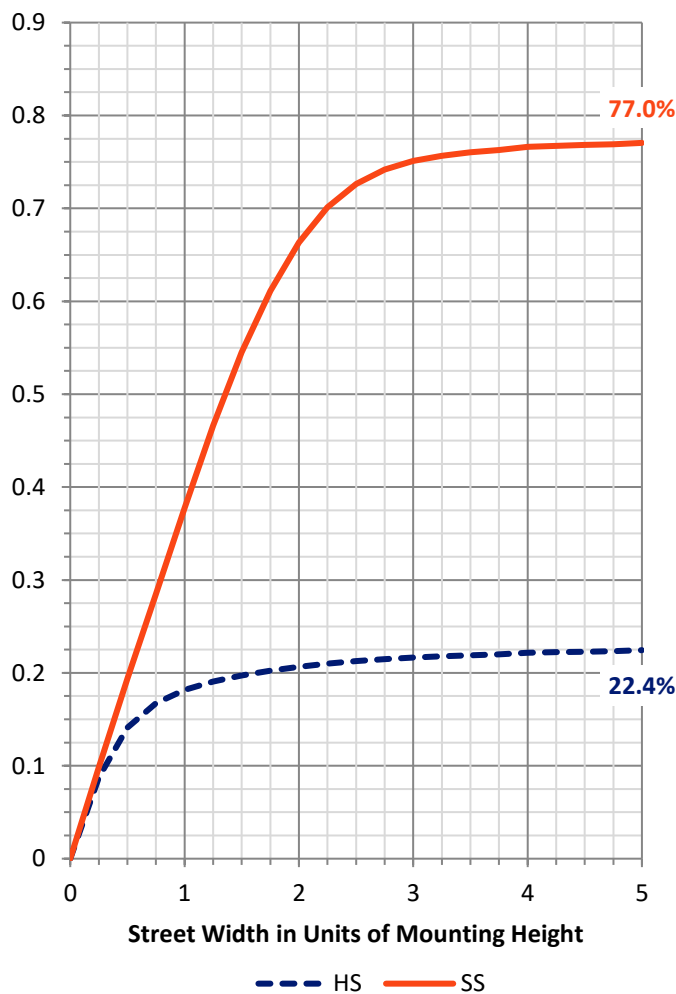
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1095.7	0.0	1095.7
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	3712.1	0.0	3712.1
	% Fixture	77.2	0.0	77.2
Total	Lumens	4807.8	0.0	4807.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	1.0
10°-20°	162.3	3.4
20°-30°	275.8	5.7
30°-40°	404.1	8.4
40°-50°	615.7	12.8
50°-60°	1101.5	22.9
60°-70°	1469.9	30.6
70°-80°	664.7	13.8
80°-90°	65.1	1.4
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°	4807.8	100.0
0°-180°	4807.8	100.0

Coefficient of Utilization



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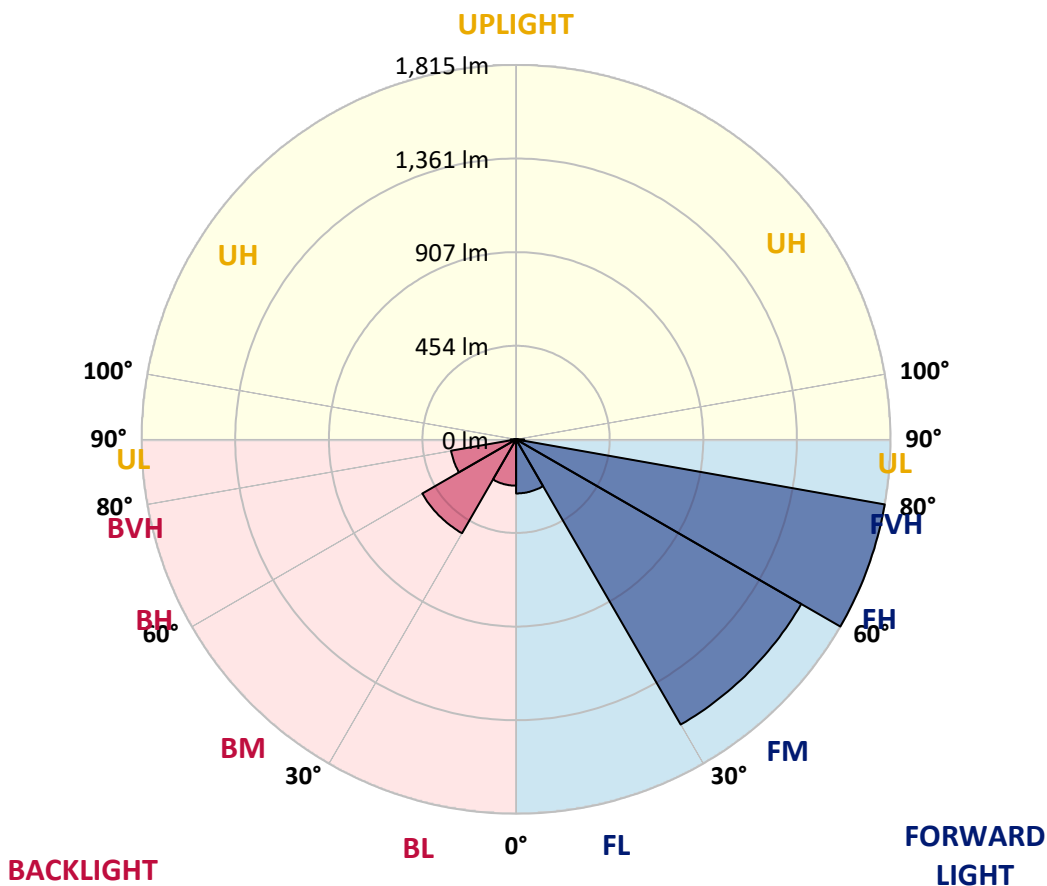
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.2	5.5			
FM (30°-60°)	1596.2	33.2			
FH (60°-80°)	1814.9	37.7			G2/5000
FVH (80°-90°)	38.7	0.8			G1/100
BL (0°-30°)	224.6	4.7	B1/500		
BM (30°-60°)	525.0	10.9	B1/1000		
BH (60°-80°)	319.7	6.6	B1/500		G1/500
BVH (80°-90°)	26.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6
2.5°	508.2	510.0	509.6	506.8	505.1	502.0	502.3	497.5	490.2	485.3	479.7
5°	553.1	555.9	552.4	547.9	540.9	530.8	529.8	518.7	504.8	495.0	484.9
7.5°	592.0	593.8	589.6	581.9	571.9	558.3	555.9	542.7	525.3	510.0	495.4
10°	622.3	624.3	618.8	608.7	595.5	581.9	580.2	566.6	548.2	530.1	511.7
12.5°	648.0	648.7	642.8	629.2	615.0	601.1	599.3	586.8	569.8	551.3	531.2
15°	662.9	663.3	656.0	641.0	627.5	615.3	614.3	603.5	587.8	570.5	548.9
17.5°	661.9	662.6	657.4	644.2	632.3	625.0	624.0	617.0	604.9	589.2	567.7
20°	649.0	649.7	646.3	637.6	631.3	629.2	629.6	627.5	620.2	607.3	585.4
22.5°	638.9	640.0	636.9	630.6	629.9	634.8	635.8	636.9	633.4	621.9	600.7
25°	643.8	645.6	640.7	632.0	633.4	644.2	646.3	649.7	646.9	637.2	618.8
27.5°	677.5	678.6	666.1	648.3	644.2	655.6	658.8	664.3	662.2	653.2	638.9
30°	755.8	755.1	728.3	684.8	667.5	672.0	674.4	682.4	683.1	677.2	663.6
32.5°	866.0	862.5	821.1	751.9	701.5	690.4	693.2	704.0	712.0	705.7	687.3
35°	982.4	979.3	933.7	852.7	764.4	725.9	722.7	731.1	743.2	725.9	699.4
37.5°	1093.3	1088.4	1041.9	941.7	842.0	788.1	783.6	775.2	767.9	734.5	714.4
40°	1216.4	1210.8	1170.1	1056.8	927.5	835.7	824.2	791.2	784.6	763.4	753.3
42.5°	1347.8	1347.8	1314.1	1202.5	1030.7	903.8	888.9	839.2	846.1	832.2	820.4
45°	1479.2	1483.0	1456.2	1349.2	1168.7	1032.5	1008.5	937.9	954.6	948.3	942.4
47.5°	1591.1	1598.4	1593.2	1499.0	1337.7	1188.9	1152.4	1079.1	1114.9	1129.8	1146.5
50°	1711.7	1719.7	1714.5	1677.3	1535.5	1378.4	1345.7	1269.9	1331.4	1376.3	1430.9
52.5°	1890.8	1902.2	1858.8	1844.5	1775.7	1593.6	1564.3	1478.1	1589.7	1664.1	1785.8
55°	2042.0	2041.6	2026.4	2059.0	2033.7	1856.7	1824.4	1746.2	1888.7	1967.6	2145.6
57.5°	2112.2	2120.6	2173.1	2265.5	2316.3	2178.3	2147.3	2067.4	2209.6	2250.6	2442.8
60°	2148.4	2158.8	2260.3	2443.2	2579.8	2529.4	2517.2	2415.4	2495.3	2490.4	2693.5
62.5°	2097.6	2118.5	2281.5	2524.5	2767.9	2882.2	2878.4	2724.4	2738.3	2690.7	2848.9
65°	1864.7	1887.3	2143.2	2483.8	2875.3	3150.6	3151.6	3004.2	2925.0	2788.0	2822.8
67.5°	1333.5	1365.9	1682.2	2222.4	2837.4	3295.6	3307.7	3131.1	2968.8	2701.8	2548.8
70°	726.9	750.5	998.4	1615.5	2496.0	3260.8	3283.4	3069.9	2775.5	2337.1	1962.0
72.5°	330.3	337.9	464.4	886.5	1705.1	2806.8	2901.3	2739.7	2279.4	1726.3	1247.7
75°	151.2	154.7	202.3	424.1	891.0	1878.3	1944.7	2040.6	1586.3	1090.2	650.4
77.5°	94.9	95.9	115.1	194.0	444.3	937.6	1007.4	1215.0	928.9	539.5	271.8
80°	56.0	57.0	71.6	105.0	208.6	429.0	495.4	480.4	436.6	232.9	123.8
82.5°	28.2	29.2	41.4	59.8	113.7	170.7	200.9	202.0	162.7	126.2	69.9
85°	10.1	10.4	13.6	23.6	48.3	56.3	62.9	76.8	79.6	73.4	33.7
87.5°	0.0	0.0	0.3	0.7	1.4	5.6	5.9	11.1	23.3	26.1	13.6
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°	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6
2.5°	478.0	472.8	471.0	469.3	466.5	465.5	463.4	461.3	461.3	459.2	458.2
5°	480.4	473.5	469.0	466.9	465.1	466.2	466.2	466.9	469.3	467.9	468.6
7.5°	489.1	481.1	474.9	473.1	473.1	477.3	480.1	483.6	488.1	488.8	488.8
10°	504.4	495.0	488.4	487.4	489.1	495.0	499.2	503.4	508.9	509.3	510.0
12.5°	521.1	511.7	505.1	506.5	508.2	515.9	520.4	523.9	529.4	529.4	529.1
15°	538.5	528.1	522.5	525.3	530.5	539.2	539.9	540.2	543.0	542.3	542.0
17.5°	556.6	545.4	541.3	545.4	551.0	555.2	551.7	546.8	545.8	544.4	543.7
20°	574.3	562.8	561.1	564.2	565.9	562.5	551.7	542.7	538.5	536.4	535.7
22.5°	589.6	579.9	578.8	578.8	570.1	558.0	542.0	529.8	524.2	521.4	520.8
25°	607.7	598.6	596.9	587.5	565.3	543.0	521.4	510.3	505.8	504.4	504.8
27.5°	628.9	622.6	617.0	590.3	551.3	516.6	492.2	487.4	485.6	487.4	488.4
30°	654.9	648.7	636.2	586.8	529.1	482.2	458.9	458.5	463.7	468.3	469.0
32.5°	676.1	673.4	652.9	575.7	497.8	444.3	424.5	425.9	435.2	441.5	442.5
35°	692.8	697.4	666.8	557.3	460.6	408.5	392.8	393.5	398.7	407.4	407.8
37.5°	716.5	731.8	679.3	529.1	417.9	377.5	363.3	358.1	357.4	359.8	360.5
40°	764.1	787.0	688.3	488.1	376.5	349.7	333.7	323.6	315.0	308.4	306.3
42.5°	836.1	862.5	693.5	438.4	339.6	322.3	304.2	291.3	276.0	262.1	257.2
45°	968.2	976.8	693.5	385.5	307.0	296.5	278.5	263.2	243.7	227.4	223.9
47.5°	1179.5	1151.7	694.2	334.4	278.1	273.9	258.3	240.9	219.4	205.8	203.7
50°	1498.0	1400.3	708.5	292.0	254.1	254.8	243.3	224.2	204.8	194.7	192.9
52.5°	1858.8	1706.5	746.7	260.7	234.0	239.2	232.9	214.5	197.1	188.4	186.7
55°	2198.1	1988.1	779.4	238.5	216.9	226.0	225.6	208.6	192.9	184.2	183.2
57.5°	2486.6	2181.1	774.5	220.4	202.3	213.8	219.0	204.8	190.2	182.9	181.8
60°	2666.0	2283.3	705.3	203.7	191.2	205.1	215.2	203.7	191.5	189.8	190.2
62.5°	2743.9	2264.5	572.6	191.2	183.9	200.9	219.4	211.0	204.4	208.6	211.0
65°	2622.9	2103.2	421.3	181.8	176.9	202.0	229.1	222.5	204.4	207.2	208.2
67.5°	2287.1	1790.3	304.5	172.4	168.3	205.1	243.0	220.7	192.6	192.6	190.5
70°	1648.1	1287.6	221.1	163.0	159.6	200.6	243.7	208.9	179.0	178.0	172.8
72.5°	991.8	759.6	172.4	152.6	146.4	178.0	228.4	195.0	165.8	157.1	150.9
75°	515.2	380.7	144.6	141.1	125.5	150.9	208.9	173.5	141.8	134.2	130.7
77.5°	220.7	178.0	124.1	125.8	104.3	126.9	168.6	150.2	125.8	116.1	113.0
80°	108.8	101.2	98.0	100.8	83.4	98.0	145.3	131.4	106.7	95.6	91.1
82.5°	62.2	59.1	70.6	71.6	59.4	82.0	122.7	111.2	88.3	76.1	68.8
85°	28.9	30.9	42.8	43.1	36.8	56.3	80.3	62.6	46.9	38.9	37.2
87.5°	11.5	13.6	18.8	18.4	10.8	10.4	7.0	3.8	3.1	2.8	2.4
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)