

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: P631632

Luminaire Tested: GWS-SA2B-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631632
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-SA2B-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5039.9 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

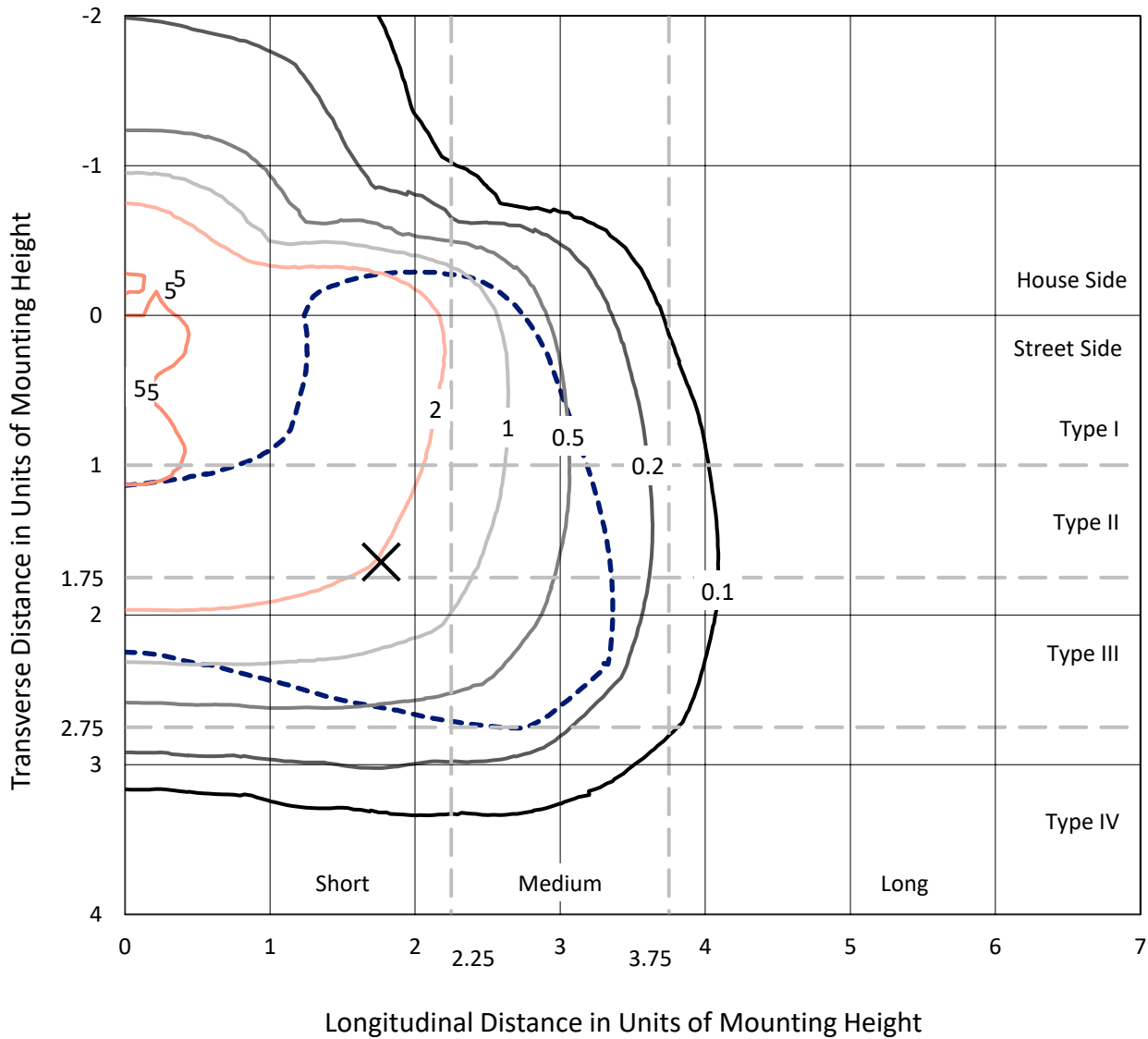
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

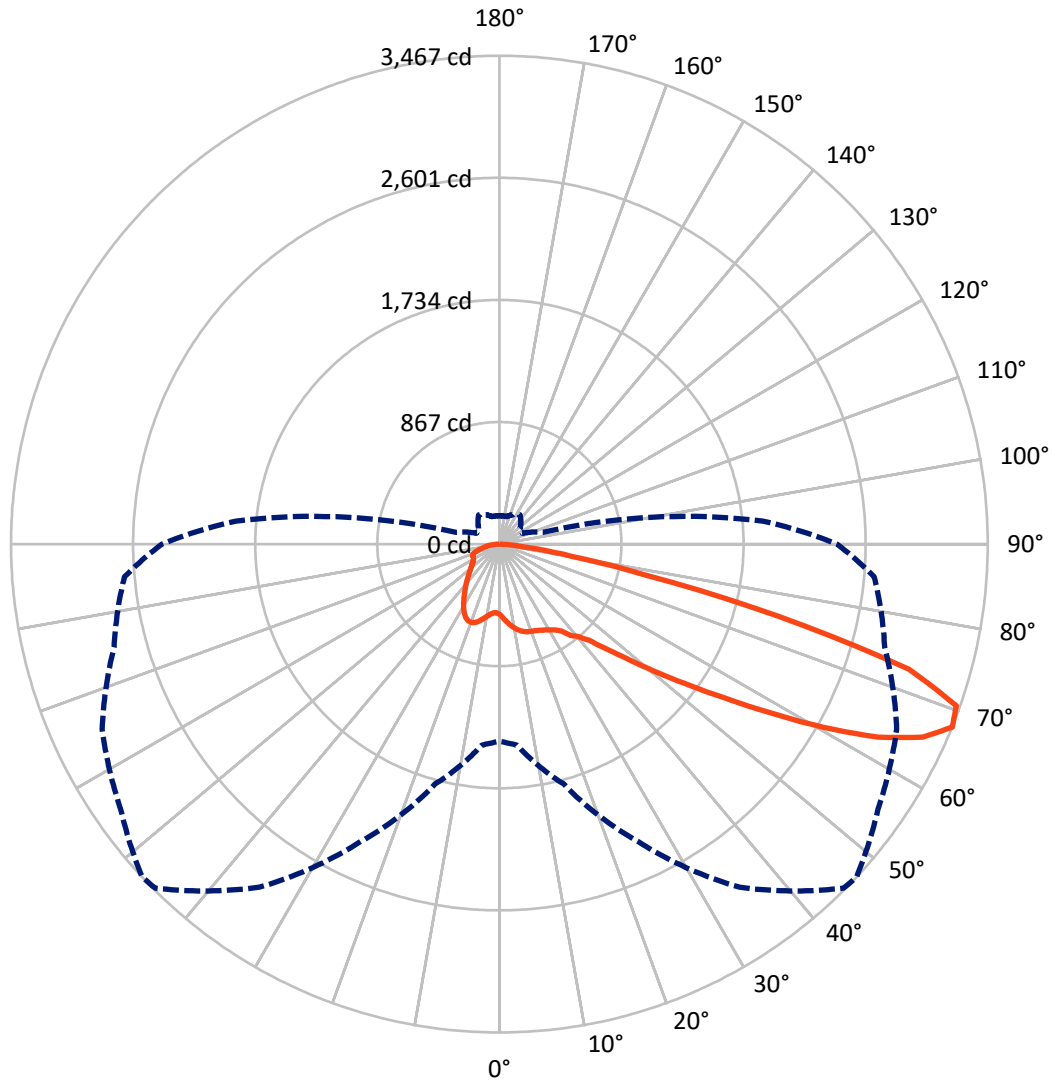
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 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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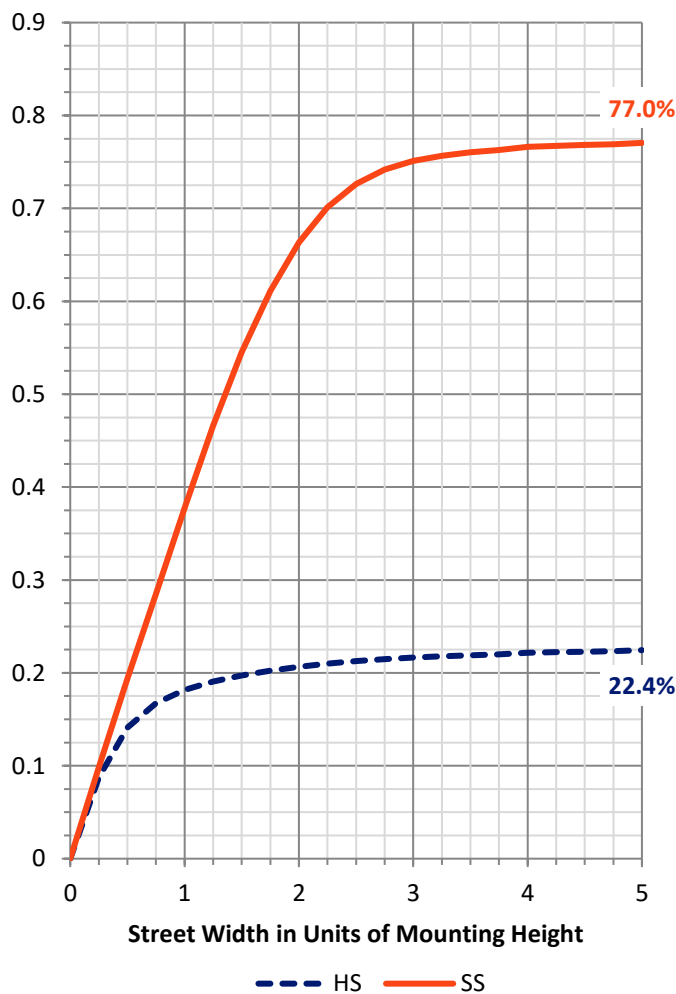
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1148.6	0.0	1148.6
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	3891.3	0.0	3891.3
	% Fixture	77.2	0.0	77.2
Total	Lumens	5039.9	0.0	5039.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.1	1.0
10°-20°	170.1	3.4
20°-30°	289.2	5.7
30°-40°	423.6	8.4
40°-50°	645.4	12.8
50°-60°	1154.7	22.9
60°-70°	1540.8	30.6
70°-80°	696.8	13.8
80°-90°	68.3	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°	5039.9	100.0
0°-180°	5039.9	100.0

Coefficient of Utilization



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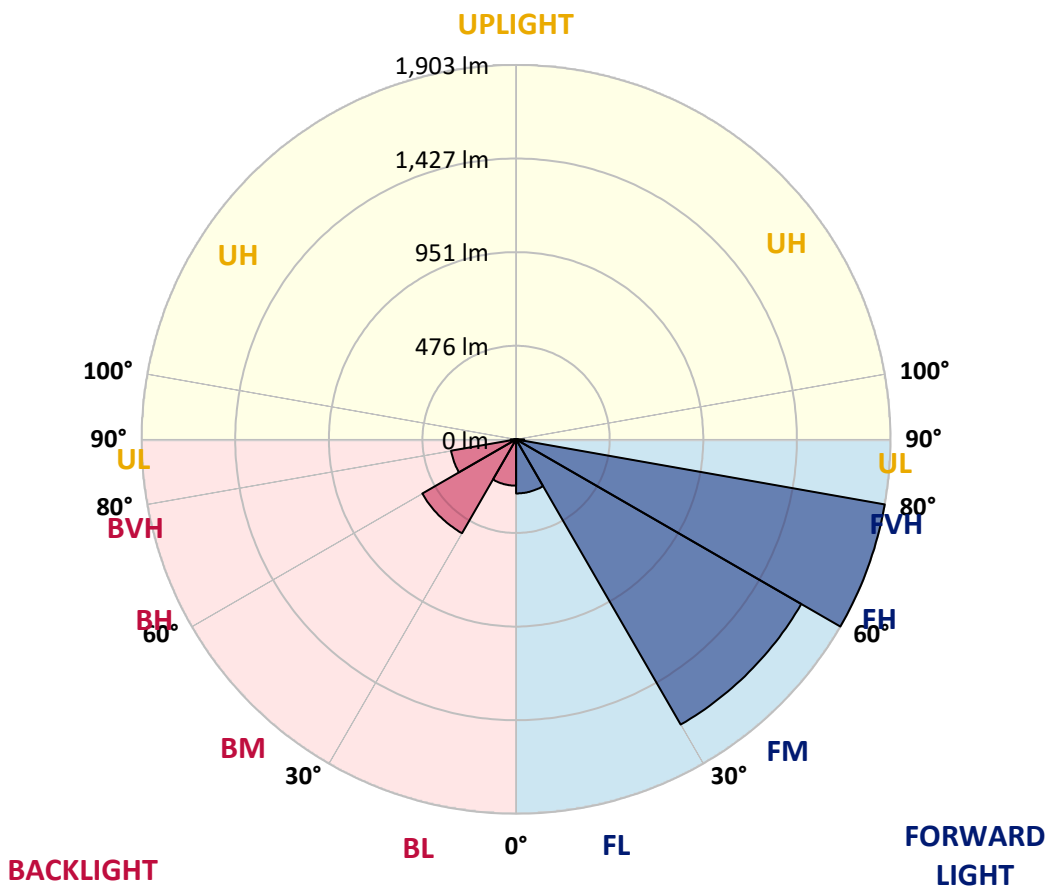
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.9	5.5			
FM (30°-60°)	1673.3	33.2			
FH (60°-80°)	1902.5	37.7			G2/5000
FVH (80°-90°)	40.6	0.8			G1/100
BL (0°-30°)	235.5	4.7	B1/500		
BM (30°-60°)	550.4	10.9	B1/1000		
BH (60°-80°)	335.1	6.6	B1/500		G1/500
BVH (80°-90°)	27.7	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°	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6
2.5°	532.8	534.6	534.2	531.3	529.5	526.2	526.6	521.5	513.8	508.7	502.9
5°	579.8	582.7	579.1	574.3	567.0	556.5	555.4	543.7	529.1	518.9	508.4
7.5°	620.6	622.4	618.0	610.0	599.5	585.3	582.7	568.9	550.6	534.6	519.3
10°	652.3	654.5	648.7	638.1	624.2	610.0	608.2	594.0	574.7	555.7	536.4
12.5°	679.3	680.0	673.8	659.6	644.7	630.1	628.3	615.1	597.3	578.0	556.8
15°	694.9	695.3	687.7	672.0	657.8	645.0	643.9	632.6	616.2	598.0	575.4
17.5°	693.8	694.6	689.1	675.3	662.9	655.2	654.1	646.8	634.1	617.7	595.1
20°	680.4	681.1	677.4	668.3	661.8	659.6	660.0	657.8	650.1	636.6	613.7
22.5°	669.8	670.9	667.6	661.0	660.3	665.4	666.5	667.6	664.0	651.9	629.7
25°	674.9	676.7	671.6	662.5	664.0	675.3	677.4	681.1	678.2	668.0	648.7
27.5°	710.2	711.3	698.2	679.6	675.3	687.3	690.6	696.4	694.2	684.7	669.8
30°	792.2	791.5	763.5	717.9	699.7	704.4	707.0	715.3	716.1	709.9	695.7
32.5°	907.8	904.1	860.7	788.2	735.4	723.7	726.6	737.9	746.3	739.8	720.4
35°	1029.8	1026.6	978.8	893.9	801.3	760.9	757.6	766.4	779.1	760.9	733.2
37.5°	1146.1	1141.0	1092.2	987.2	882.6	826.1	821.4	812.6	805.0	770.0	748.9
40°	1275.1	1269.3	1226.6	1107.8	972.3	876.1	864.0	829.4	822.5	800.3	789.7
42.5°	1412.8	1412.8	1377.5	1260.5	1080.5	947.5	931.8	879.7	887.0	872.4	860.0
45°	1550.6	1554.6	1526.5	1414.3	1225.2	1082.3	1057.2	983.2	1000.7	994.1	987.9
47.5°	1667.9	1675.6	1670.1	1571.4	1402.3	1246.3	1208.0	1131.1	1168.7	1184.4	1201.8
50°	1794.4	1802.8	1797.3	1758.3	1609.6	1444.9	1410.7	1331.2	1395.7	1442.7	1499.9
52.5°	1982.1	1994.1	1948.5	1933.6	1861.4	1670.5	1639.9	1549.5	1666.5	1744.5	1872.0
55°	2140.6	2140.2	2124.2	2158.4	2131.8	1946.3	1912.5	1830.5	1979.9	2062.6	2249.2
57.5°	2214.2	2222.9	2278.0	2374.9	2428.1	2283.4	2251.0	2167.2	2316.2	2359.2	2560.7
60°	2252.1	2263.0	2369.4	2561.1	2704.3	2651.5	2638.7	2532.0	2615.8	2610.7	2823.5
62.5°	2198.9	2220.7	2391.7	2646.4	2901.5	3021.4	3017.4	2855.9	2870.5	2820.6	2986.4
65°	1954.7	1978.4	2246.6	2603.7	3014.1	3302.7	3303.8	3149.3	3066.2	2922.6	2959.1
67.5°	1397.9	1431.8	1763.4	2329.7	2974.4	3454.7	3467.4	3282.3	3112.1	2832.2	2671.9
70°	762.0	786.8	1046.6	1693.4	2616.5	3418.2	3441.9	3218.2	2909.5	2450.0	2056.8
72.5°	346.2	354.2	486.9	929.3	1787.5	2942.3	3041.4	2872.0	2389.5	1809.7	1307.9
75°	158.5	162.2	212.1	444.6	934.0	1968.9	2038.5	2139.1	1662.8	1142.8	681.8
77.5°	99.5	100.6	120.6	203.3	465.7	982.8	1056.1	1273.6	973.7	565.6	285.0
80°	58.7	59.8	75.1	110.1	218.6	449.7	519.3	503.6	457.7	244.2	129.7
82.5°	29.5	30.6	43.4	62.7	119.2	178.9	210.6	211.7	170.5	132.3	73.2
85°	10.6	10.9	14.2	24.8	50.7	59.0	66.0	80.5	83.5	76.9	35.3
87.5°	0.0	0.0	0.4	0.7	1.5	5.8	6.2	11.7	24.4	27.3	14.2
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°	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6
2.5°	501.1	495.6	493.8	492.0	489.0	488.0	485.8	483.6	483.6	481.4	480.3
5°	503.6	496.3	491.6	489.4	487.6	488.7	488.7	489.4	492.0	490.5	491.2
7.5°	512.7	504.4	497.8	496.0	496.0	500.3	503.3	506.9	511.6	512.4	512.4
10°	528.8	518.9	512.0	510.9	512.7	518.9	523.3	527.7	533.5	533.9	534.6
12.5°	546.3	536.4	529.5	531.0	532.8	540.8	545.5	549.2	555.0	555.0	554.6
15°	564.5	553.5	547.7	550.6	556.1	565.2	565.9	566.3	569.2	568.5	568.1
17.5°	583.4	571.8	567.4	571.8	577.6	582.0	578.3	573.2	572.1	570.7	569.9
20°	602.0	590.0	588.2	591.4	593.3	589.6	578.3	568.9	564.5	562.3	561.6
22.5°	618.0	607.8	606.8	606.8	597.6	584.9	568.1	555.4	549.5	546.6	545.9
25°	637.0	627.5	625.7	615.9	592.5	569.2	546.6	535.0	530.2	528.8	529.1
27.5°	659.2	652.7	646.8	618.8	578.0	541.5	516.0	510.9	509.1	510.9	512.0
30°	686.6	680.0	666.9	615.1	554.6	505.4	481.0	480.7	486.1	490.9	491.6
32.5°	708.8	705.9	684.4	603.5	521.8	465.7	445.0	446.4	456.2	462.8	463.9
35°	726.3	731.0	698.9	584.2	482.9	428.2	411.8	412.5	418.0	427.1	427.5
37.5°	751.1	767.1	712.1	554.6	438.0	395.8	380.8	375.3	374.6	377.2	377.9
40°	801.0	825.0	721.5	511.6	394.7	366.6	349.8	339.3	330.2	323.2	321.1
42.5°	876.4	904.1	727.0	459.5	356.0	337.8	318.9	305.4	289.3	274.8	269.7
45°	1014.9	1024.0	727.0	404.1	321.8	310.8	291.9	275.9	255.5	238.3	234.7
47.5°	1236.5	1207.3	727.7	350.6	291.5	287.2	270.8	252.5	229.9	215.7	213.5
50°	1570.3	1467.9	742.7	306.1	266.4	267.1	255.1	235.0	214.6	204.1	202.3
52.5°	1948.5	1788.9	782.8	273.3	245.3	250.7	244.2	224.8	206.6	197.5	195.7
55°	2304.2	2084.1	817.0	250.0	227.4	236.9	236.5	218.6	202.3	193.1	192.0
57.5°	2606.7	2286.3	811.9	231.0	212.1	224.1	229.6	214.6	199.3	191.7	190.6
60°	2794.7	2393.5	739.4	213.5	200.4	215.0	225.6	213.5	200.8	199.0	199.3
62.5°	2876.3	2373.8	600.2	200.4	192.8	210.6	229.9	221.2	214.3	218.6	221.2
65°	2749.5	2204.7	441.7	190.6	185.5	211.7	240.1	233.2	214.3	217.2	218.3
67.5°	2397.5	1876.7	319.2	180.8	176.4	215.0	254.7	231.4	201.9	201.9	199.7
70°	1727.7	1349.8	231.8	170.9	167.3	210.3	255.5	219.0	187.7	186.6	181.1
72.5°	1039.7	796.2	180.8	160.0	153.4	186.6	239.4	204.4	173.8	164.7	158.2
75°	540.1	399.0	151.6	148.0	131.6	158.2	219.0	181.8	148.7	140.7	137.0
77.5°	231.4	186.6	130.1	131.9	109.3	133.0	176.7	157.4	131.9	121.7	118.4
80°	114.1	106.0	102.8	105.7	87.5	102.8	152.3	137.7	111.9	100.2	95.5
82.5°	65.2	62.0	74.0	75.1	62.3	86.0	128.6	116.6	92.6	79.8	72.2
85°	30.2	32.4	44.8	45.2	38.6	59.0	84.2	65.6	49.2	40.8	39.0
87.5°	12.0	14.2	19.7	19.3	11.3	10.9	7.3	4.0	3.3	2.9	2.6
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)