

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: P631624

Luminaire Tested: GWS-SA2B-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5086.9 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

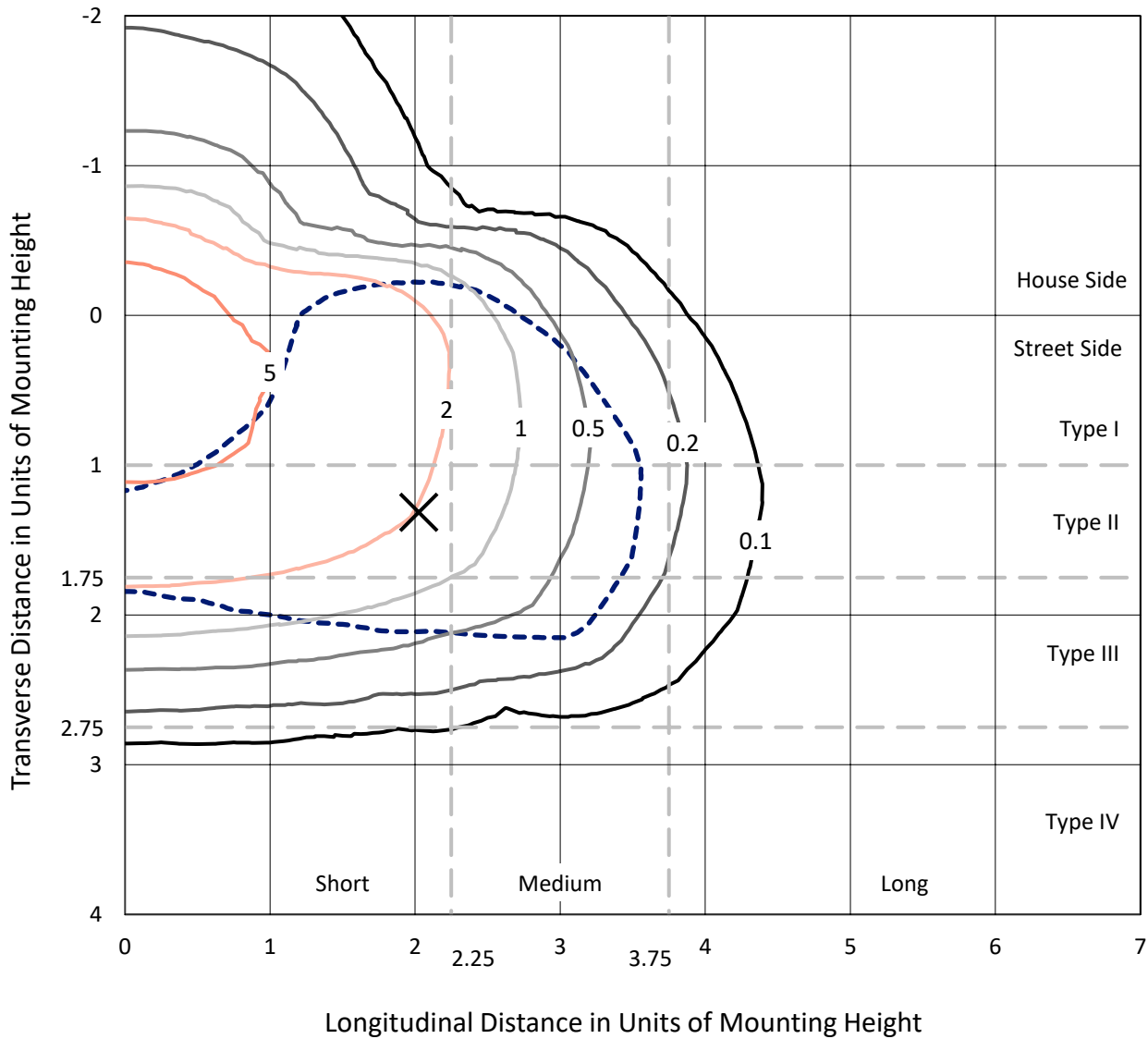
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

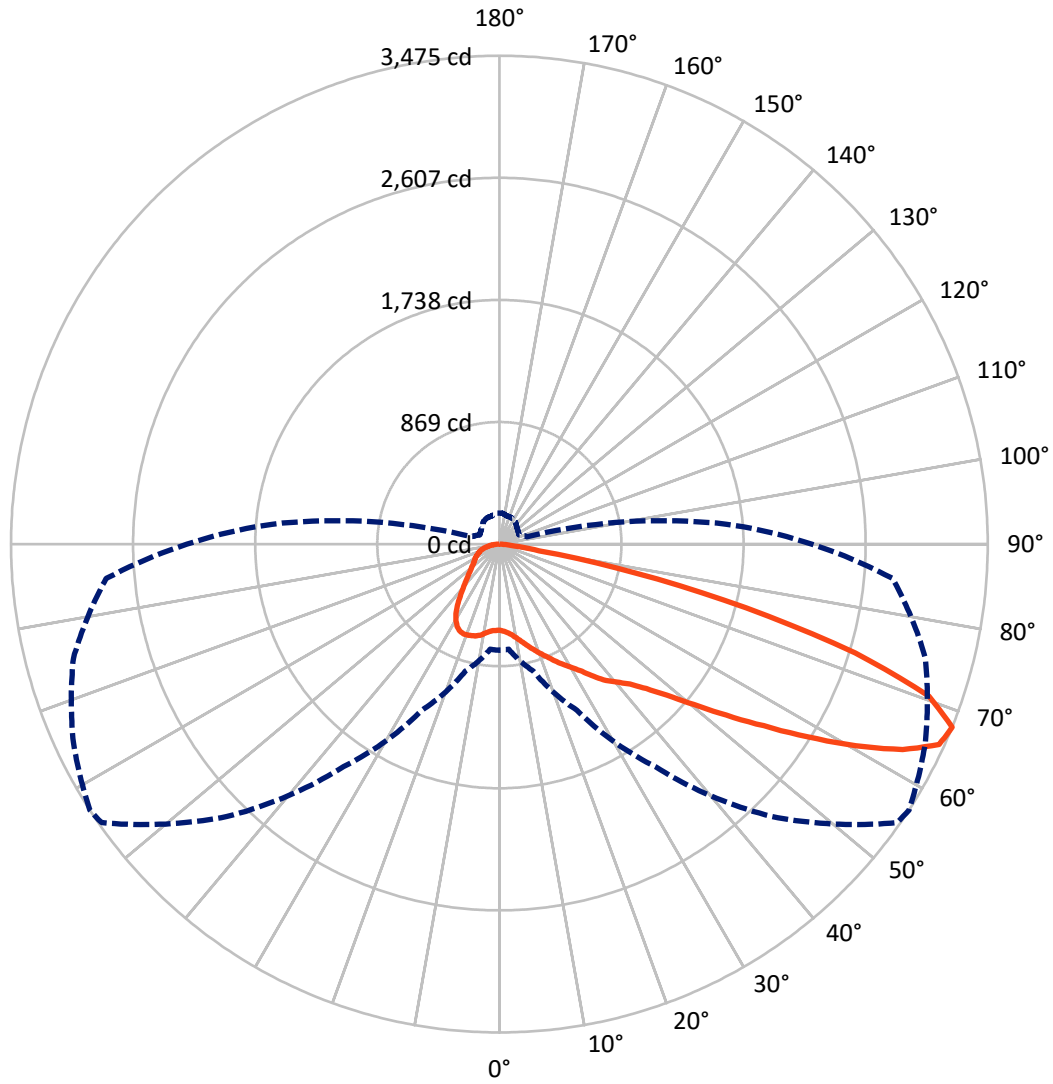
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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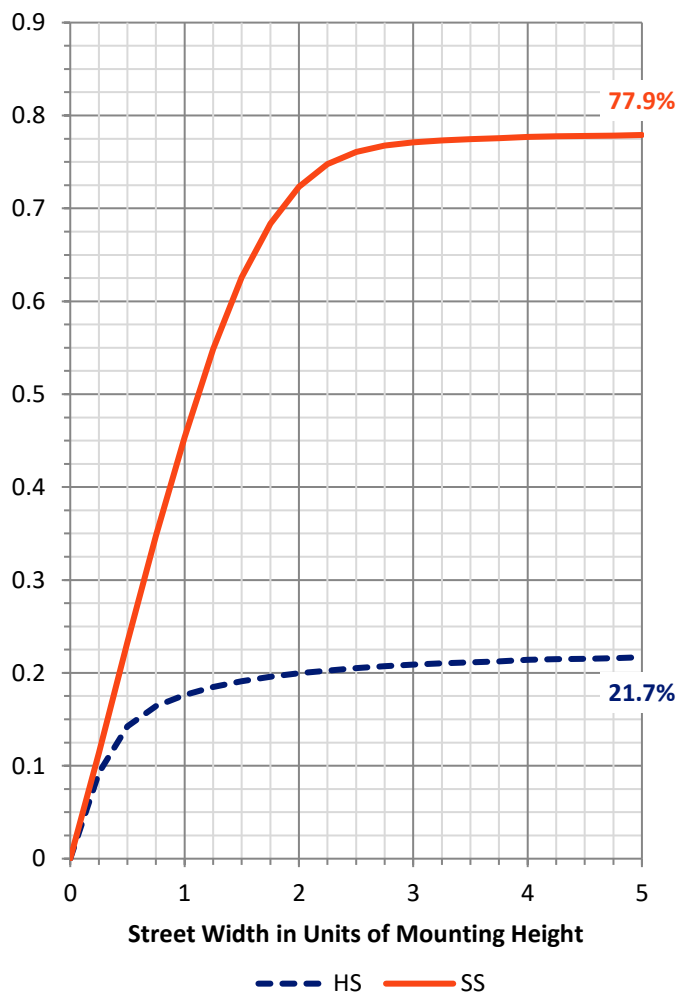
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1118.4	0.0	1118.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3968.5	0.0	3968.5
	% Fixture	78.0	0.0	78.0
Total	Lumens	5086.9	0.0	5086.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	1.2
10°-20°	201.2	4.0
20°-30°	358.8	7.1
30°-40°	521.6	10.3
40°-50°	755.0	14.8
50°-60°	1181.5	23.2
60°-70°	1378.3	27.1
70°-80°	575.4	11.3
80°-90°	54.3	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°	5086.9	100.0
0°-180°	5086.9	100.0

Coefficient of Utilization



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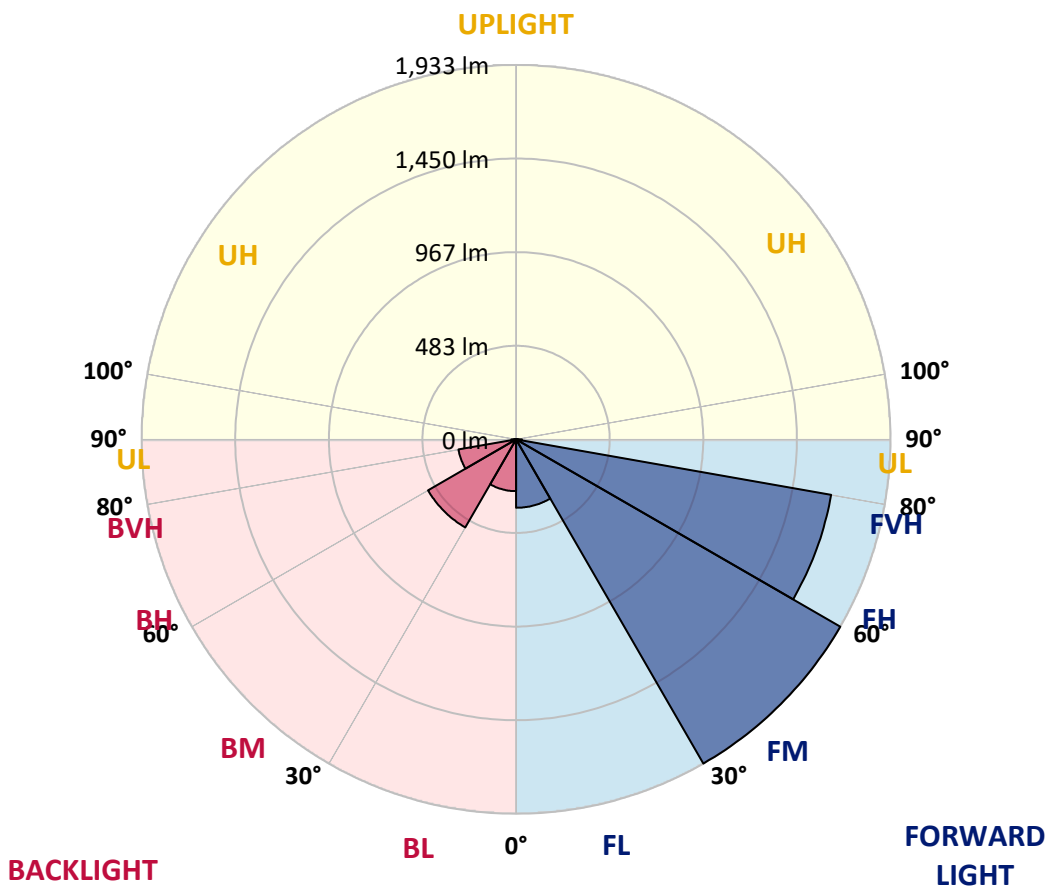
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.3	6.9			
FM (30°-60°)	1933.1	38.0			
FH (60°-80°)	1651.8	32.5			G1/1800
FVH (80°-90°)	30.3	0.6			G1/100
BL (0°-30°)	267.5	5.3	B1/500		
BM (30°-60°)	525.0	10.3	B1/1000		
BH (60°-80°)	301.9	5.9	B1/500		G1/500
BVH (80°-90°)	24.0	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	612.9	612.9	612.9	612.9	612.9	612.9	612.9	612.9	612.9	612.9	612.9
2.5°	621.7	621.0	620.6	622.8	622.0	621.7	621.7	621.3	620.6	617.7	613.7
5°	638.8	637.4	635.9	637.7	636.3	634.8	634.4	633.7	631.2	626.8	620.6
7.5°	656.7	655.2	655.6	656.7	655.6	654.8	653.8	653.0	649.0	642.1	633.7
10°	681.8	681.8	682.5	683.6	684.0	682.9	680.7	679.6	674.9	666.1	654.5
12.5°	718.3	717.5	717.5	716.8	717.9	716.8	714.6	712.8	707.0	695.7	678.9
15°	766.4	763.4	760.9	756.1	754.7	750.7	751.4	750.3	744.9	729.5	708.4
17.5°	817.7	817.4	813.4	803.9	794.4	787.9	789.3	788.9	786.0	765.3	738.3
20°	862.9	864.7	861.1	853.8	841.1	828.7	827.9	829.8	826.1	805.3	767.8
22.5°	913.6	912.1	908.5	899.0	889.5	876.4	872.0	870.6	869.1	845.4	798.1
25°	961.7	966.0	961.3	952.6	938.0	923.8	920.1	921.6	917.6	886.2	830.5
27.5°	1022.5	1024.4	1021.4	1009.4	997.0	977.0	970.1	970.1	968.6	924.5	856.0
30°	1087.4	1092.5	1087.4	1077.6	1064.8	1036.0	1021.1	1019.6	1015.2	963.9	885.9
32.5°	1152.6	1156.3	1152.6	1143.2	1128.6	1103.4	1081.9	1078.7	1072.8	1006.9	916.5
35°	1210.6	1213.8	1213.1	1215.3	1203.3	1171.6	1158.5	1157.0	1141.7	1063.0	958.0
37.5°	1274.0	1278.0	1272.5	1276.9	1272.2	1242.3	1238.3	1231.0	1209.1	1115.8	1001.8
40°	1346.1	1349.8	1341.0	1342.8	1337.4	1320.6	1300.2	1290.4	1257.9	1173.0	1070.6
42.5°	1423.4	1431.8	1435.8	1432.5	1419.7	1410.3	1374.6	1362.2	1335.2	1276.2	1184.0
45°	1535.3	1547.6	1553.5	1545.1	1539.6	1526.1	1482.4	1467.5	1453.3	1421.6	1342.1
47.5°	1655.9	1667.2	1685.8	1689.4	1693.8	1683.6	1622.0	1607.4	1610.0	1606.3	1536.7
50°	1752.1	1761.6	1803.5	1848.3	1885.5	1888.4	1809.7	1794.0	1807.8	1819.5	1771.0
52.5°	1822.0	1830.4	1885.8	1978.4	2062.6	2124.9	2040.0	2022.1	2033.4	2059.6	2037.4
55°	1878.9	1890.6	1948.5	2090.6	2260.8	2359.2	2304.9	2282.3	2277.6	2310.0	2322.7
57.5°	1908.8	1912.4	1993.7	2178.4	2406.2	2589.1	2612.8	2587.3	2542.1	2560.0	2626.3
60°	1840.6	1846.8	1958.0	2201.0	2521.0	2817.3	2936.0	2914.9	2818.7	2828.5	2901.8
62.5°	1652.2	1661.0	1794.7	2093.5	2530.5	2969.6	3234.5	3221.0	3092.0	3038.8	3060.7
65°	1325.4	1328.3	1466.7	1827.5	2342.1	2988.5	3442.6	3439.3	3283.0	3158.3	3064.7
67.5°	755.8	750.7	935.8	1303.5	1932.8	2742.2	3456.1	3475.4	3344.9	3138.7	2809.6
70°	327.6	328.3	413.6	643.2	1251.0	2216.3	3210.1	3243.2	3165.6	2811.1	2235.3
72.5°	151.6	153.8	190.6	278.4	534.2	1374.9	2617.6	2647.4	2580.7	2249.9	1626.4
75°	107.1	109.0	127.2	159.6	245.6	535.7	1751.0	1813.7	1846.1	1682.8	1071.7
77.5°	81.3	83.8	92.9	110.8	151.6	189.9	837.8	987.2	1175.9	1046.9	552.1
80°	51.7	51.7	61.6	74.0	92.6	98.8	242.0	286.8	575.4	431.5	216.8
82.5°	35.0	36.1	41.9	47.0	53.2	56.1	103.9	110.8	166.2	146.9	89.3
85°	18.6	19.3	21.9	21.5	25.5	22.2	43.7	43.4	60.9	66.7	33.9
87.5°	0.0	0.0	0.4	0.4	0.7	1.1	4.7	5.1	12.8	20.4	11.3
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°	612.9	612.9	612.9	612.9	612.9	612.9	612.9	612.9	612.9	612.9	612.9
2.5°	615.9	611.5	613.7	612.9	615.1	615.1	611.1	610.0	610.4	606.0	604.6
5°	621.3	616.2	617.3	615.9	618.0	619.9	618.0	618.0	620.2	616.9	615.1
7.5°	633.7	627.9	627.9	626.1	628.6	630.1	628.6	630.8	634.8	631.5	629.7
10°	653.4	646.5	646.8	644.6	645.7	645.0	639.2	637.4	638.4	635.5	634.1
12.5°	678.9	669.4	669.4	665.0	662.5	654.8	642.8	638.4	639.2	636.6	635.5
15°	703.3	694.6	692.7	684.0	672.3	658.1	647.2	644.3	645.0	642.5	640.6
17.5°	732.1	720.8	714.2	698.2	676.7	662.1	651.2	644.3	638.4	632.6	631.2
20°	758.7	744.5	732.5	707.7	681.4	661.4	641.0	623.9	609.7	602.0	600.2
22.5°	786.0	767.8	746.7	714.2	681.1	648.3	610.8	584.9	563.7	552.4	554.6
25°	811.9	788.9	760.2	720.4	669.4	619.1	568.1	529.5	505.4	496.7	494.1
27.5°	833.4	805.0	772.5	717.5	645.4	577.2	509.8	466.8	443.5	433.6	431.1
30°	857.5	825.4	790.4	704.0	607.5	518.6	443.9	408.9	392.1	382.6	383.0
32.5°	885.2	851.6	815.5	678.2	559.0	455.1	389.6	365.5	352.0	342.5	341.1
35°	922.3	889.2	832.3	639.2	497.4	396.8	352.4	332.7	315.9	303.6	301.0
37.5°	968.2	945.6	834.1	587.1	431.5	356.8	325.8	304.6	284.2	267.8	266.0
40°	1046.9	1021.1	819.2	521.8	375.3	330.9	303.6	279.1	255.5	237.2	234.7
42.5°	1159.2	1106.0	787.1	448.2	333.1	310.5	282.4	251.4	227.4	214.6	212.8
45°	1302.0	1200.7	739.0	379.0	301.7	290.4	260.2	227.8	215.0	205.9	204.1
47.5°	1477.0	1311.1	683.6	325.1	277.3	272.2	237.6	219.7	208.4	200.8	199.0
50°	1686.1	1451.8	638.1	282.8	255.5	251.1	230.3	215.0	205.9	199.7	198.2
52.5°	1924.8	1608.1	615.9	252.5	236.5	232.1	227.8	213.9	206.3	201.5	199.7
55°	2172.6	1772.9	595.1	229.2	220.5	223.0	228.1	217.6	211.7	205.5	203.7
57.5°	2412.0	1927.4	544.1	211.0	208.8	218.6	229.9	221.2	214.3	208.1	205.9
60°	2577.1	2011.9	457.7	196.4	200.1	213.2	225.2	215.7	207.0	204.4	203.3
62.5°	2621.6	2001.7	355.3	181.5	189.5	201.2	212.8	206.6	197.5	201.5	201.9
65°	2517.7	1892.4	266.7	166.9	175.6	185.5	200.1	197.5	194.2	205.2	205.5
67.5°	2223.6	1623.8	203.3	154.1	161.4	173.5	196.1	206.6	207.3	221.2	219.7
70°	1682.5	1213.1	159.2	142.1	150.5	173.5	208.8	213.5	204.8	217.6	214.6
72.5°	1163.2	800.6	135.6	131.6	137.0	165.4	208.4	208.4	199.0	199.0	193.5
75°	722.6	470.8	118.1	118.1	118.1	144.7	202.6	192.0	175.3	167.6	163.3
77.5°	356.8	228.8	99.1	102.8	98.8	121.0	165.4	157.1	146.9	138.8	135.9
80°	152.3	114.4	80.2	84.2	79.4	91.1	131.2	129.4	119.5	109.0	105.7
82.5°	70.0	59.0	64.1	66.0	57.9	68.5	95.8	95.8	90.4	75.8	70.3
85°	29.9	31.3	44.5	44.5	36.4	38.6	51.4	48.8	43.7	35.7	32.8
87.5°	10.2	15.3	22.6	19.7	7.7	3.3	1.8	0.7	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)