

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: P635245

Luminaire Tested: GWS-SA3D-735-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13001.4 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

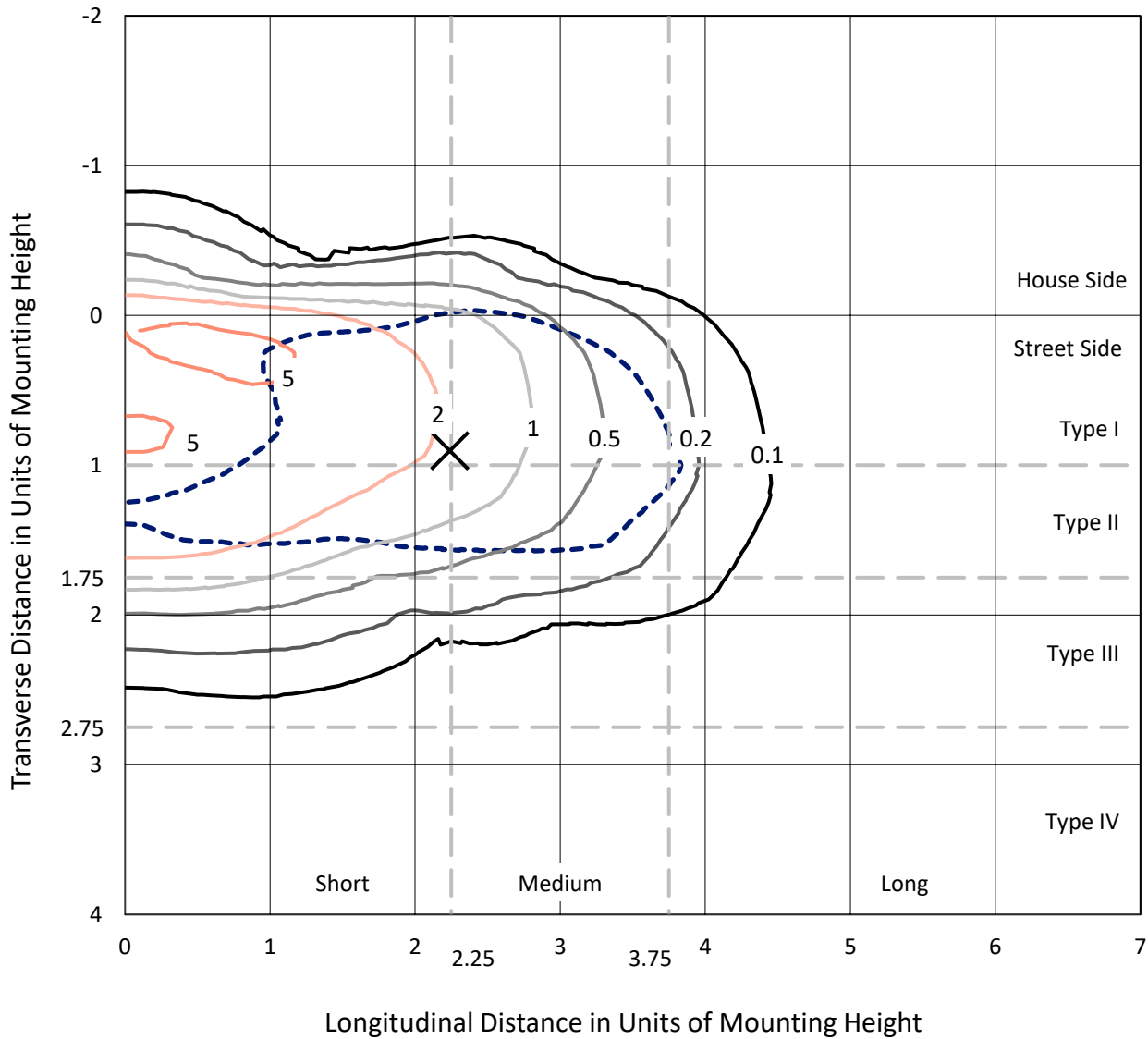
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

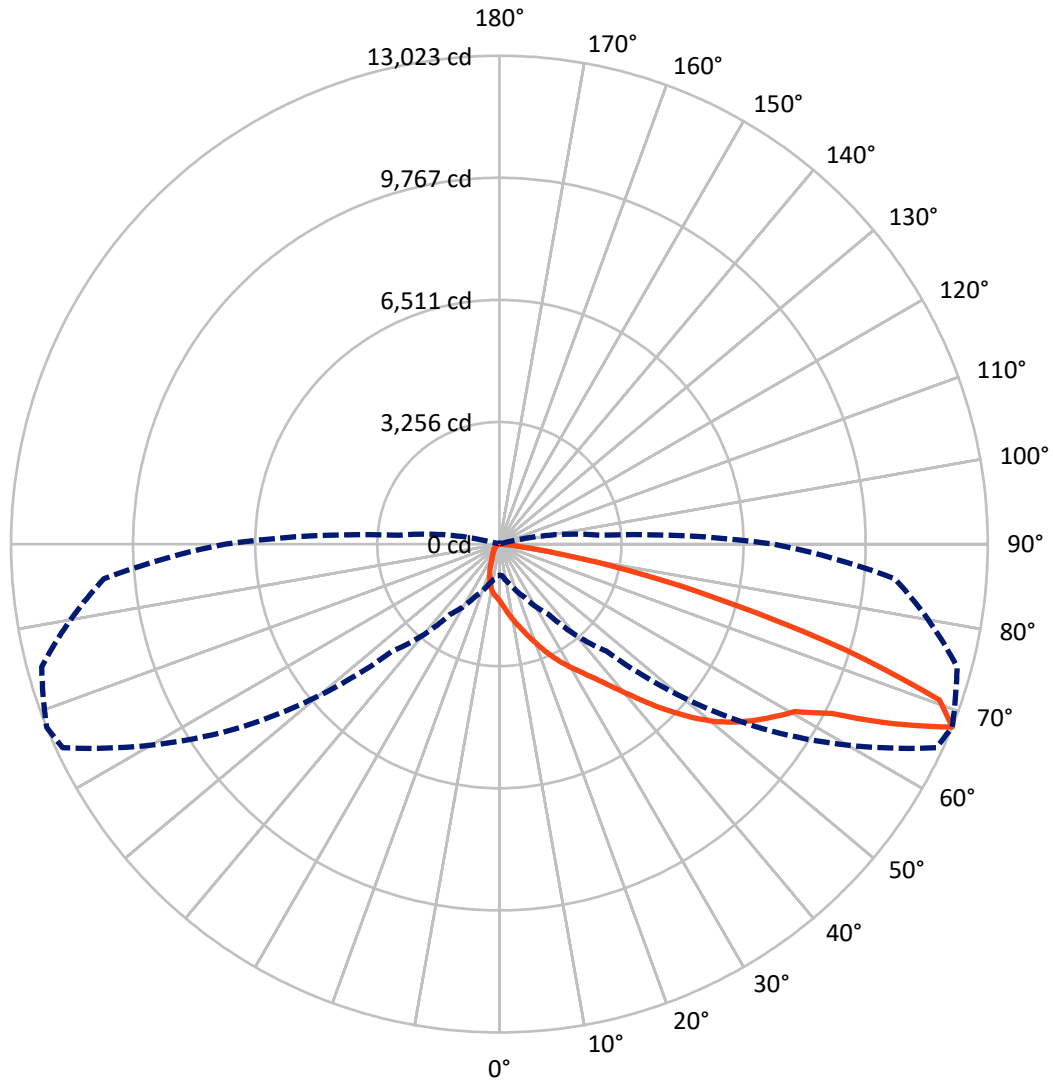
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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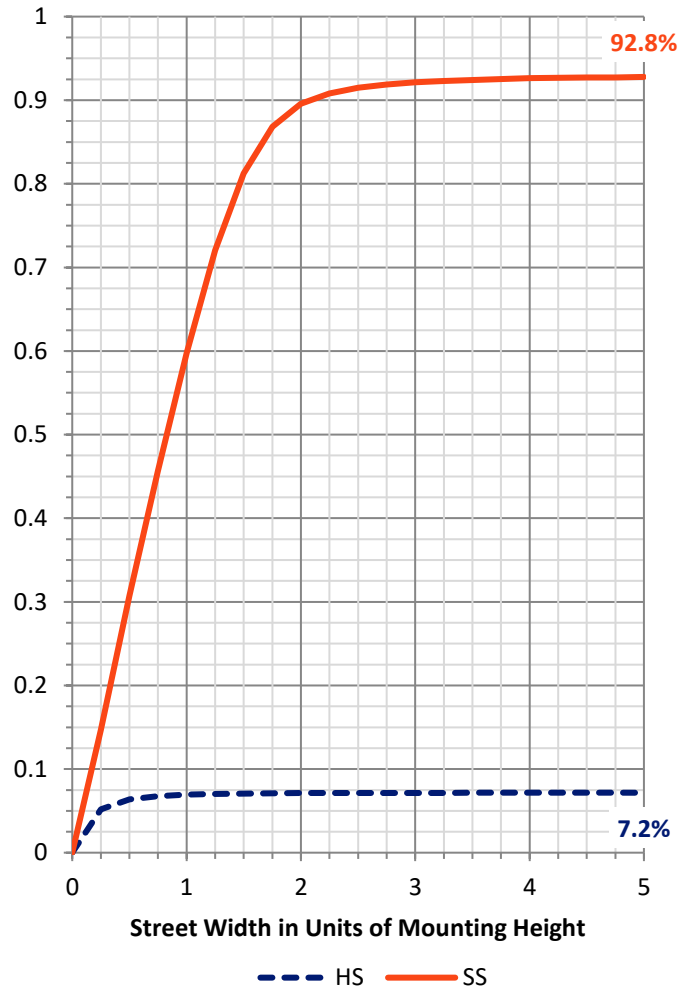
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	938.8	0.0	938.8
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	12062.5	0.0	12062.5
	% Fixture	92.8	0.0	92.8
Total	Lumens	13001.4	0.0	13001.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.6	1.1
10°-20°	423.8	3.3
20°-30°	728.2	5.6
30°-40°	1266.1	9.7
40°-50°	2209.3	17.0
50°-60°	3332.2	25.6
60°-70°	3341.3	25.7
70°-80°	1474.2	11.3
80°-90°	78.7	0.6
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°	13001.4	100.0
0°-180°	13001.4	100.0

Coefficient of Utilization

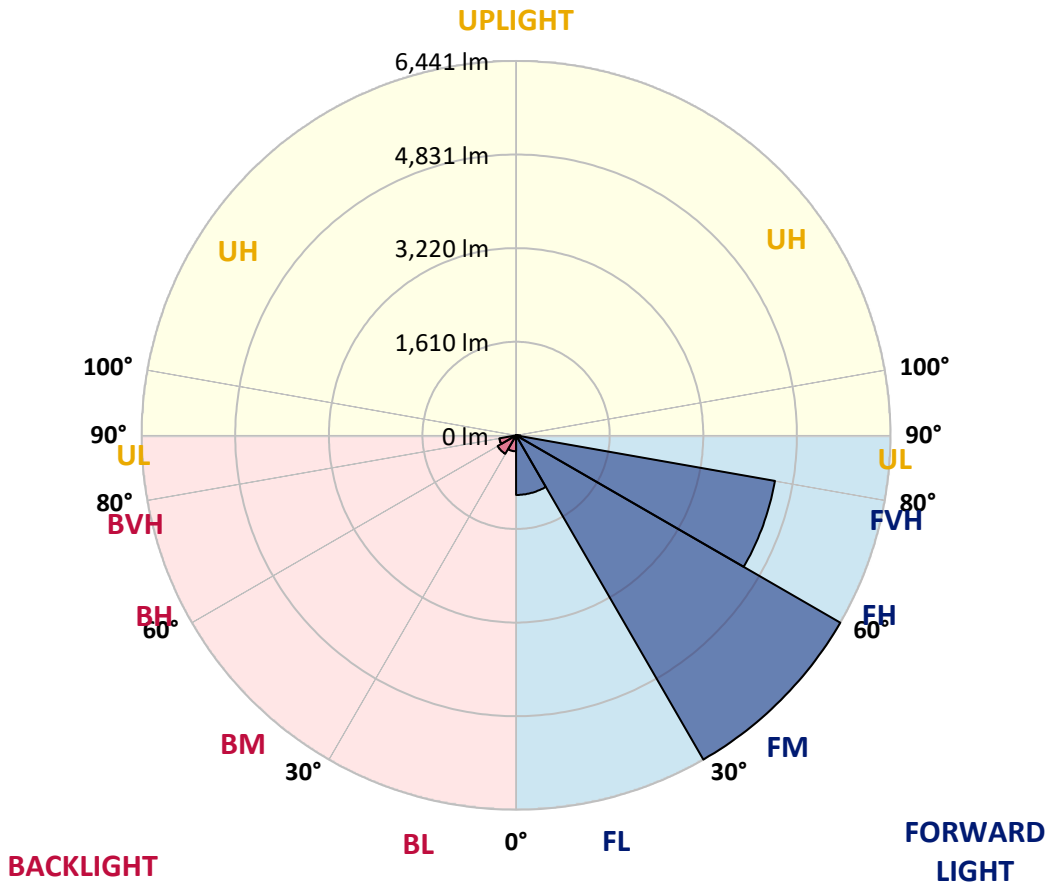


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1024.9	7.9			
FM (30°-60°)	6440.9	49.5			
FH (60°-80°)	4522.5	34.8			G2/5000
FVH (80°-90°)	74.3	0.6			G1/100
BL (0°-30°)	274.7	2.1	B1/500		
BM (30°-60°)	366.7	2.8	B1/1000		
BH (60°-80°)	293.0	2.3	B1/500		G1/500
BVH (80°-90°)	4.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0
2.5°	1761.9	1773.1	1761.9	1764.4	1732.0	1717.1	1684.7	1639.9	1628.7	1600.1	1556.6
5°	1977.1	1987.1	1975.9	1973.4	1936.1	1908.7	1855.2	1778.1	1755.7	1699.7	1613.8
7.5°	2094.1	2100.3	2104.1	2110.3	2096.6	2074.2	2025.7	1929.9	1906.2	1815.4	1694.7
10°	2106.5	2111.5	2130.2	2167.5	2194.9	2208.6	2181.2	2092.9	2055.5	1967.2	1794.2
12.5°	2071.7	2079.2	2109.0	2171.3	2247.2	2316.8	2334.3	2257.1	2223.5	2110.3	1911.2
15°	2025.7	2031.9	2073.0	2157.6	2272.0	2400.2	2472.4	2438.8	2401.4	2283.2	2040.6
17.5°	1954.7	1963.5	2020.7	2135.2	2283.2	2466.1	2621.7	2632.9	2606.7	2478.6	2183.7
20°	1914.9	1921.2	1972.2	2090.4	2275.8	2514.7	2761.0	2866.8	2838.2	2703.8	2347.9
22.5°	1948.5	1953.5	1987.1	2079.2	2250.9	2542.0	2890.4	3100.7	3084.5	2945.2	2520.9
25°	2125.2	2141.4	2121.5	2137.7	2262.1	2557.0	2995.0	3334.6	3338.4	3197.8	2700.1
27.5°	2483.6	2462.4	2415.1	2334.3	2349.2	2596.8	3084.5	3554.9	3587.2	3444.1	2859.3
30°	2848.1	2835.7	2807.1	2681.4	2576.9	2685.1	3160.4	3780.1	3831.1	3686.8	3001.2
32.5°	3257.5	3269.9	3218.9	3068.4	2890.4	2864.3	3238.8	3994.1	4089.9	3961.8	3167.9
35°	3746.5	3750.2	3649.4	3482.7	3281.1	3160.4	3379.4	4230.5	4407.2	4312.6	3390.6
37.5°	4223.1	4245.4	4190.7	3928.2	3749.0	3528.7	3612.1	4534.1	4783.0	4745.6	3670.6
40°	4644.9	4679.7	4662.3	4408.4	4173.3	3987.9	3973.0	4890.0	5237.1	5279.4	4040.1
42.5°	4980.8	5003.2	5016.9	4836.5	4628.7	4524.2	4418.4	5303.1	5773.4	5946.4	4493.1
45°	5335.4	5342.9	5371.5	5249.6	5067.9	5076.6	4944.7	5804.5	6338.3	6685.5	5013.2
47.5°	5787.1	5812.0	5798.3	5670.1	5505.9	5604.2	5488.5	6320.9	6895.7	7474.3	5545.7
50°	6337.1	6363.2	6350.8	6201.4	6018.5	6059.6	5987.4	6822.3	7433.3	8218.4	5988.7
52.5°	6620.8	6641.9	6796.2	6863.4	6767.6	6506.3	6413.0	7373.5	7887.4	8830.6	6395.5
55°	6483.9	6498.8	6834.8	7118.5	7469.4	7208.1	6841.0	7799.1	8288.1	9308.4	6697.9
57.5°	5916.5	5997.4	6454.0	6934.3	7672.2	7901.1	7535.3	8262.0	8673.8	9640.6	6995.3
60°	4753.1	4749.4	5403.9	6266.1	7276.5	8091.5	8515.8	8887.8	9060.8	9895.7	7393.5
62.5°	2626.7	2650.3	3521.3	4657.3	6176.6	7598.8	9251.1	9969.1	9943.0	10341.1	8016.8
65°	1307.7	1355.0	1827.8	2667.7	4109.8	6279.8	9378.1	11619.0	11544.3	11390.0	9304.7
67.5°	829.9	848.6	1109.9	1550.4	2284.5	4036.4	8588.0	12849.6	13022.5	12634.3	10582.5
70°	537.5	568.6	771.4	1060.1	1378.7	2080.4	6291.0	12052.0	12448.9	12497.4	9786.2
72.5°	292.4	314.8	492.7	756.5	995.4	1040.2	3533.7	9044.6	9682.9	10601.2	7656.0
75°	166.7	182.9	270.0	513.9	730.4	633.3	1566.5	6054.6	6461.5	7576.4	5486.0
77.5°	100.8	114.5	151.8	250.1	457.9	423.1	592.3	3685.5	3944.3	4520.4	2879.2
80°	46.0	54.7	95.8	138.1	250.1	200.3	226.5	1718.3	1774.3	1855.2	953.1
82.5°	21.2	24.9	43.5	82.1	141.8	115.7	87.1	396.9	558.7	528.8	242.6
85°	2.5	2.5	16.2	33.6	39.8	29.9	36.1	89.6	113.2	159.3	69.7
87.5°	0.0	0.0	1.2	1.2	2.5	3.7	7.5	11.2	16.2	26.1	17.4
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°	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0	1513.0
2.5°	1536.7	1501.8	1470.7	1424.7	1393.6	1358.7	1335.1	1306.5	1295.3	1286.6	1274.1
5°	1571.5	1515.5	1439.6	1355.0	1285.3	1219.4	1158.4	1118.6	1083.8	1078.8	1061.4
7.5°	1628.7	1545.4	1417.2	1279.1	1160.9	1051.4	965.6	895.9	861.0	849.8	829.9
10°	1704.6	1590.2	1383.6	1172.1	1001.6	871.0	773.9	695.5	640.8	620.9	606.0
12.5°	1789.3	1631.2	1330.1	1040.2	846.1	696.8	573.6	490.2	455.4	443.0	431.8
15°	1886.3	1669.8	1245.5	908.3	694.3	512.6	425.5	389.5	374.5	370.8	367.1
17.5°	1979.6	1694.7	1144.7	771.4	533.8	398.2	357.1	343.4	339.7	336.0	333.5
20°	2085.4	1712.1	1026.5	642.0	414.3	337.2	317.3	307.3	299.9	292.4	291.2
22.5°	2193.6	1712.1	898.4	515.1	347.2	302.4	280.0	261.3	247.6	240.1	237.7
25°	2296.9	1688.5	771.4	411.9	306.1	268.8	240.1	219.0	200.3	191.6	189.1
27.5°	2370.3	1627.5	660.7	348.4	277.5	238.9	204.1	180.4	165.5	156.8	155.5
30°	2416.4	1536.7	558.7	311.1	252.6	207.8	173.0	153.0	141.8	135.6	133.1
32.5°	2451.2	1424.7	467.8	284.9	228.9	180.4	150.6	134.4	124.4	119.4	118.2
35°	2520.9	1318.9	400.7	261.3	204.1	158.0	131.9	119.4	112.0	105.8	104.5
37.5°	2617.9	1230.6	347.2	240.1	180.4	140.6	119.4	108.3	102.0	95.8	94.6
40°	2761.0	1174.6	307.3	219.0	159.3	126.9	109.5	99.5	90.8	84.6	83.4
42.5°	2981.3	1148.5	281.2	197.8	140.6	114.5	100.8	88.3	79.6	73.4	72.2
45°	3243.8	1162.1	258.8	176.7	128.2	105.8	89.6	77.1	68.4	62.2	61.0
47.5°	3525.0	1210.7	240.1	156.8	115.7	97.1	79.6	65.9	58.5	52.3	51.0
50°	3818.7	1290.3	224.0	138.1	105.8	87.1	68.4	57.2	49.8	44.8	43.5
52.5°	4073.7	1398.6	207.8	124.4	97.1	77.1	59.7	49.8	42.3	37.3	36.1
55°	4317.6	1500.6	195.4	112.0	87.1	67.2	52.3	42.3	36.1	31.1	29.9
57.5°	4582.6	1608.8	180.4	100.8	78.4	59.7	46.0	36.1	31.1	26.1	24.9
60°	4968.4	1769.4	158.0	92.1	68.4	52.3	39.8	32.4	27.4	21.2	19.9
62.5°	5524.6	2061.8	133.1	79.6	58.5	44.8	33.6	27.4	22.4	17.4	14.9
65°	6564.8	2559.5	109.5	65.9	47.3	37.3	28.6	22.4	17.4	12.4	11.2
67.5°	7313.8	2688.9	88.3	53.5	38.6	28.6	23.6	17.4	12.4	8.7	7.5
70°	6394.3	1931.1	68.4	43.5	32.4	22.4	18.7	13.7	8.7	6.2	5.0
72.5°	4817.8	1261.7	51.0	33.6	24.9	18.7	13.7	11.2	7.5	5.0	3.7
75°	3395.6	729.1	37.3	24.9	17.4	13.7	11.2	8.7	6.2	3.7	3.7
77.5°	1740.7	301.1	26.1	17.4	12.4	8.7	7.5	5.0	5.0	3.7	2.5
80°	528.8	99.5	14.9	11.2	8.7	6.2	3.7	3.7	3.7	2.5	1.2
82.5°	120.7	32.4	8.7	8.7	6.2	5.0	3.7	1.2	1.2	0.0	0.0
85°	31.1	10.0	7.5	6.2	6.2	5.0	2.5	1.2	0.0	0.0	0.0
87.5°	11.2	6.2	6.2	6.2	5.0	3.7	2.5	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)