

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: P635253

Luminaire Tested: GWS-SA3D-735-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635253
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12742.6 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

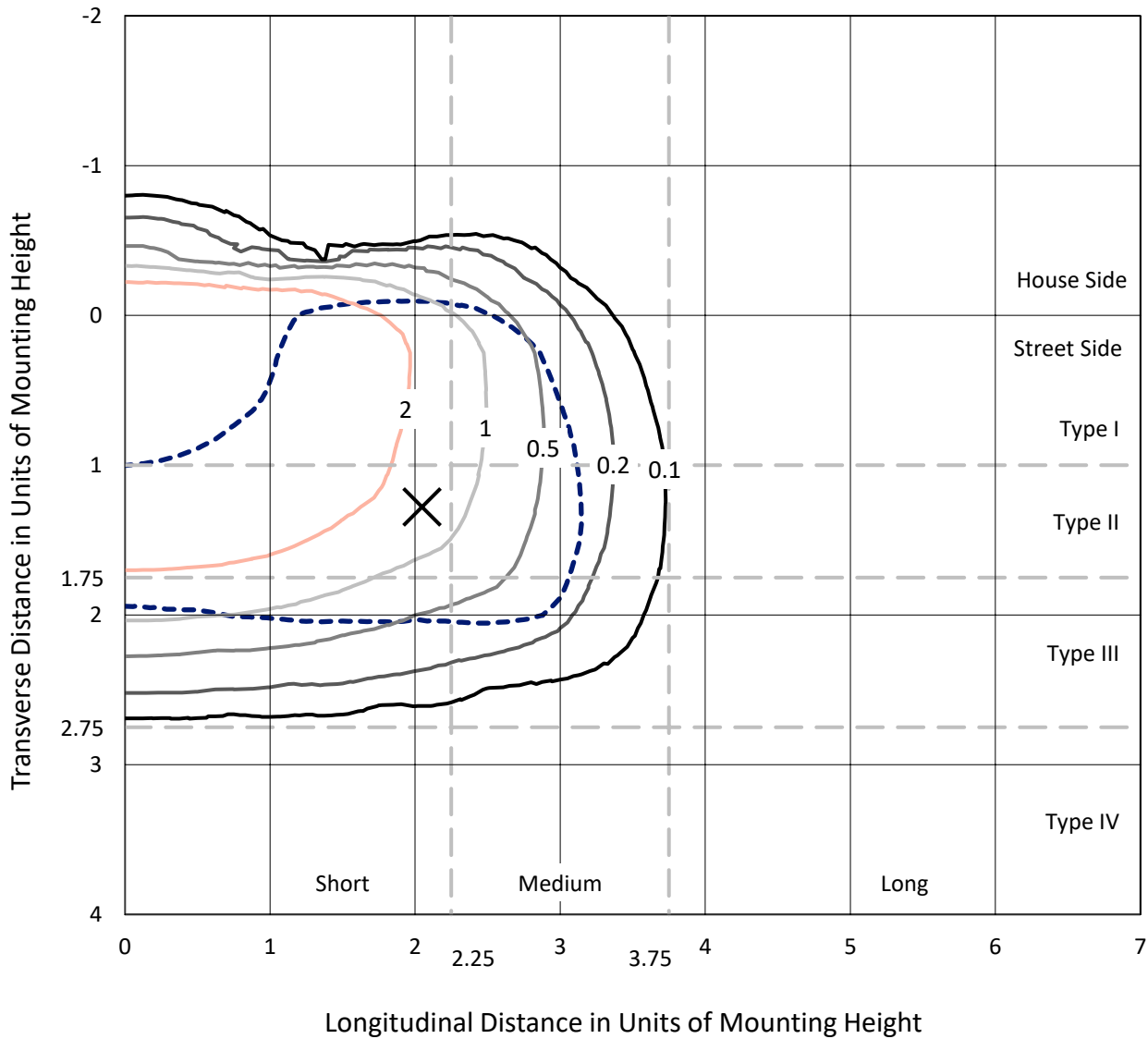
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635253
 CATALOG NUMBER: GWS-SA3D-735-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

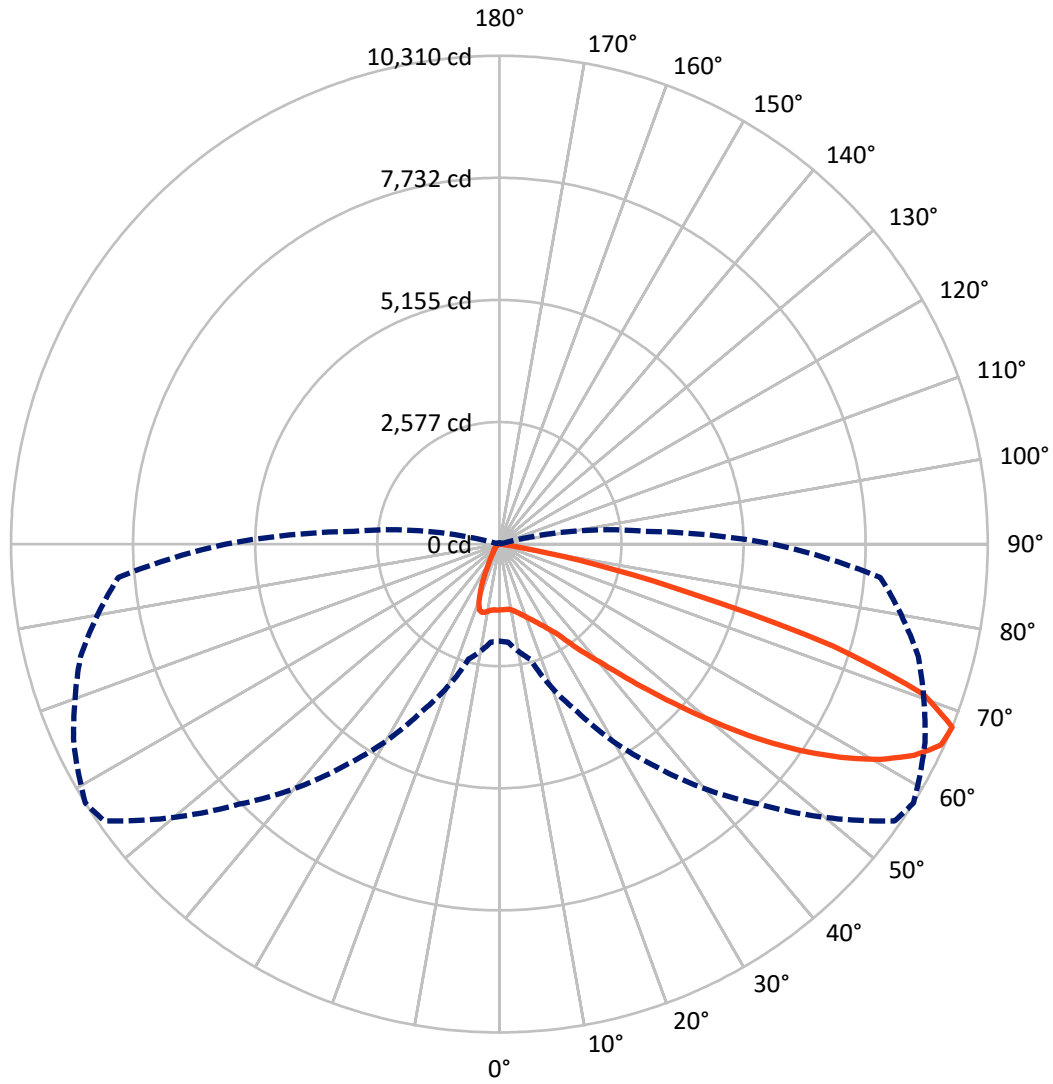
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - N/A

REPORT NUMBER: P635253
CATALOG NUMBER: GWS-SA3D-735-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P635253
 CATALOG NUMBER: GWS-SA3D-735-U-T3-W-HSS

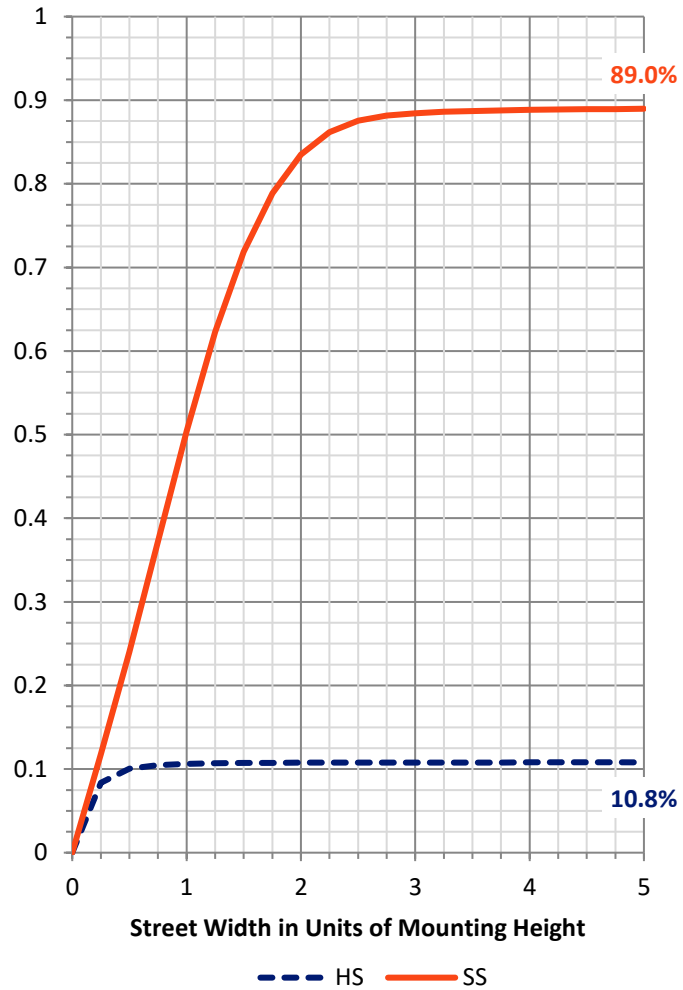
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1390.2	0.0	1390.2
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	11352.4	0.0	11352.4
	% Fixture	89.1	0.0	89.1
Total	Lumens	12742.6	0.0	12742.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.4	1.0
10°-20°	366.2	2.9
20°-30°	639.3	5.0
30°-40°	1141.7	9.0
40°-50°	2086.7	16.4
50°-60°	3470.5	27.2
60°-70°	3769.5	29.6
70°-80°	1106.8	8.7
80°-90°	31.5	0.2
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°	12742.6	100.0
0°-180°	12742.6	100.0

Coefficient of Utilization



REPORT NUMBER: P635253

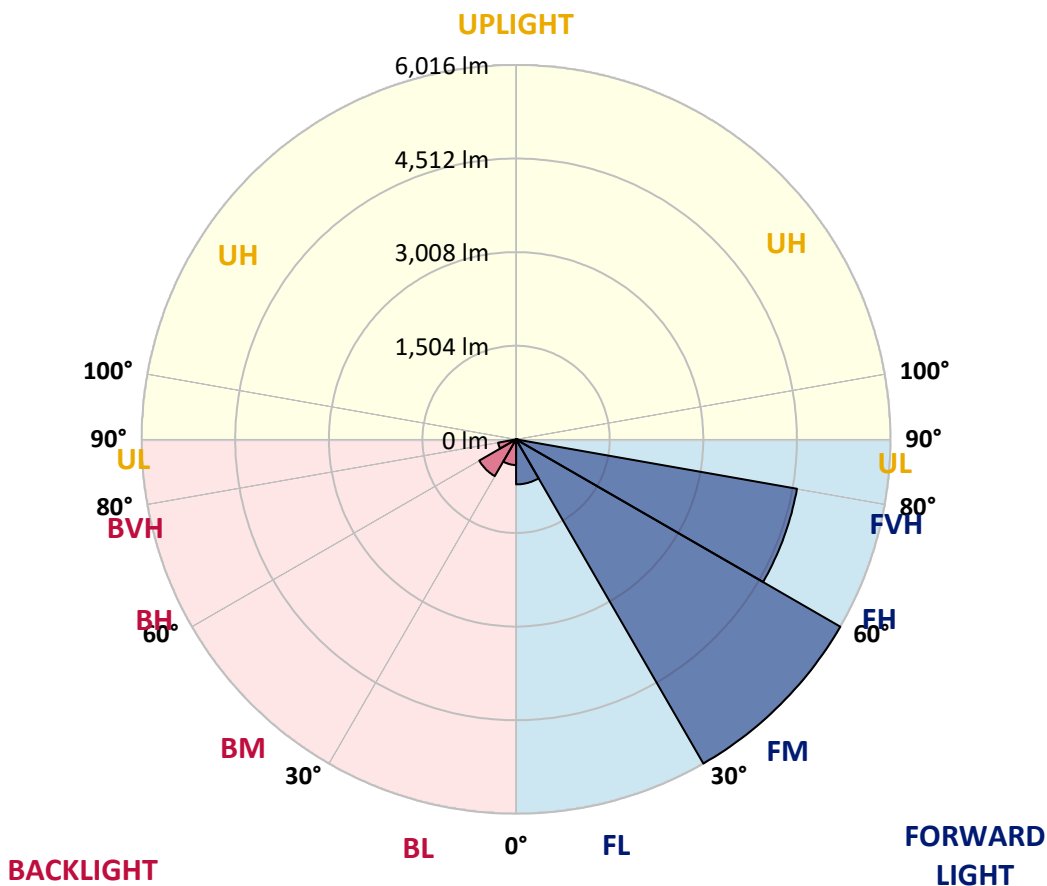
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	723.6	5.7			
FM (30°-60°)	6016.0	47.2			
FH (60°-80°)	4582.8	36.0			G2/5000
FVH (80°-90°)	30.0	0.2			G1/100
BL (0°-30°)	412.4	3.2	B1/500		
BM (30°-60°)	682.8	5.4	B1/1000		
BH (60°-80°)	293.5	2.3	B1/500		G1/500
BVH (80°-90°)	1.5	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 III Short





REPORT NUMBER: P635253

CATALOG NUMBER: GWS-SA3D-735-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6
2.5°	1362.4	1359.9	1359.9	1369.9	1371.1	1376.1	1387.3	1388.6	1394.8	1392.3	1383.6
5°	1291.5	1292.8	1300.2	1317.6	1332.6	1351.2	1378.6	1384.8	1398.5	1406.0	1401.0
7.5°	1225.6	1226.8	1238.0	1265.4	1294.0	1331.3	1376.1	1388.6	1415.9	1435.8	1437.1
10°	1200.7	1199.4	1210.6	1241.7	1279.1	1331.3	1396.0	1412.2	1453.3	1488.1	1494.3
12.5°	1208.1	1206.9	1218.1	1246.7	1287.8	1353.7	1430.9	1453.3	1505.5	1559.0	1570.2
15°	1238.0	1236.8	1244.2	1267.9	1312.7	1381.1	1475.7	1509.3	1575.2	1639.9	1657.3
17.5°	1327.6	1321.4	1313.9	1316.4	1342.5	1413.4	1532.9	1574.0	1656.1	1733.2	1748.1
20°	1486.9	1470.7	1450.8	1424.6	1412.2	1460.7	1598.8	1646.1	1745.7	1834.0	1836.5
22.5°	1727.0	1720.8	1674.7	1598.8	1545.3	1546.6	1676.0	1730.7	1852.7	1949.7	1936.0
25°	2061.7	2058.0	1987.0	1862.6	1723.3	1676.0	1774.3	1830.3	1979.6	2082.8	2039.3
27.5°	2477.3	2451.1	2367.8	2199.8	1992.0	1844.0	1898.7	1948.5	2113.9	2211.0	2128.9
30°	2839.3	2840.6	2762.2	2586.8	2352.8	2096.5	2050.5	2094.0	2237.1	2339.2	2239.6
32.5°	3187.7	3198.9	3113.1	2955.1	2698.7	2426.3	2268.2	2275.7	2395.1	2505.9	2385.2
35°	3511.2	3519.9	3460.2	3325.8	3086.9	2770.9	2571.8	2568.1	2632.8	2746.0	2588.0
37.5°	3873.3	3882.0	3823.5	3702.8	3478.9	3165.3	2916.5	2911.5	2937.6	3029.7	2849.3
40°	4259.0	4275.2	4210.5	4108.5	3894.4	3629.4	3317.1	3272.3	3246.2	3354.4	3187.7
42.5°	4649.7	4674.6	4652.2	4550.2	4367.3	4148.3	3837.2	3767.5	3711.5	3847.2	3670.5
45°	5134.9	5164.8	5154.9	5076.5	4934.6	4756.7	4463.1	4382.2	4356.1	4481.7	4271.4
47.5°	5601.5	5633.9	5670.0	5652.5	5551.8	5469.6	5143.7	5097.6	5090.2	5224.5	4898.5
50°	5948.7	5978.5	6116.6	6216.2	6284.6	6267.2	5984.8	5916.3	5905.1	5991.0	5560.5
52.5°	6197.5	6226.1	6416.5	6727.6	6978.9	7115.8	6830.8	6815.9	6754.9	6725.1	6180.1
55°	6390.4	6430.2	6630.5	7100.8	7607.2	7910.8	7732.9	7679.4	7522.6	7350.9	6754.9
57.5°	6428.9	6445.1	6727.6	7362.1	8095.0	8586.4	8586.4	8493.1	8190.8	7953.1	7419.4
60°	6083.0	6132.8	6514.8	7341.0	8304.0	9028.1	9294.4	9229.7	8821.6	8529.2	8058.9
62.5°	5315.4	5371.3	5836.7	6834.6	8095.0	9119.0	9830.7	9820.7	9360.4	9005.7	8588.9
65°	4076.1	4117.2	4522.8	5717.2	7211.6	8769.3	10213.9	10241.3	9785.9	9320.5	8771.8
67.5°	2048.0	2076.6	2514.6	3905.6	5716.0	7762.8	10187.8	10309.7	9915.3	9153.8	8073.8
70°	715.4	744.1	950.6	1676.0	3478.9	5927.5	9306.9	9505.9	9155.1	7813.8	5956.1
72.5°	245.1	258.8	394.4	622.1	1353.7	3513.7	7077.2	7377.1	6748.7	5245.7	3422.9
75°	139.4	148.1	211.5	337.2	567.4	1155.9	4015.1	4199.3	3934.3	2859.2	1408.5
77.5°	94.6	102.0	131.9	191.6	313.5	372.0	1637.4	2061.7	1797.9	933.2	359.6
80°	56.0	61.0	80.9	113.2	160.5	144.3	350.9	466.6	601.0	278.7	108.2
82.5°	26.1	29.9	52.3	74.7	80.9	61.0	103.3	125.7	169.2	136.9	44.8
85°	0.0	0.0	17.4	31.1	29.9	17.4	28.6	31.1	46.0	68.4	17.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	7.5	13.7	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P635253

CATALOG NUMBER: GWS-SA3D-735-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6
2.5°	1393.5	1384.8	1394.8	1389.8	1394.8	1393.5	1383.6	1377.4	1377.4	1366.2	1362.4
5°	1411.0	1402.2	1404.7	1393.5	1391.1	1384.8	1372.4	1367.4	1367.4	1356.2	1352.5
7.5°	1449.5	1435.8	1433.4	1411.0	1401.0	1383.6	1361.2	1352.5	1351.2	1340.0	1336.3
10°	1510.5	1494.3	1483.1	1454.5	1425.9	1391.1	1343.8	1304.0	1281.6	1251.7	1249.2
12.5°	1585.2	1565.2	1547.8	1504.3	1457.0	1378.6	1239.3	1093.7	1004.1	933.2	938.2
15°	1668.5	1649.9	1622.5	1556.5	1459.5	1255.4	964.3	740.3	630.8	572.3	569.9
17.5°	1759.3	1732.0	1687.2	1597.6	1381.1	959.3	627.1	442.9	385.7	365.8	360.8
20°	1844.0	1810.4	1754.4	1606.3	1154.6	649.5	391.9	343.4	333.5	327.2	327.2
22.5°	1933.5	1891.2	1807.9	1539.1	858.5	415.6	333.5	322.3	314.8	306.1	304.8
25°	2024.4	1969.6	1856.4	1363.7	562.4	327.2	312.3	299.9	286.2	272.5	268.8
27.5°	2101.5	2030.6	1893.7	1102.4	360.8	294.9	284.9	263.8	245.1	230.2	227.7
30°	2193.6	2102.8	1909.9	806.3	283.7	260.0	245.1	222.7	200.3	185.4	180.4
32.5°	2316.8	2217.2	1885.0	525.1	251.3	228.9	205.3	179.2	156.8	140.6	138.1
35°	2508.4	2390.2	1770.5	334.7	227.7	197.8	169.2	141.8	123.2	110.7	108.2
37.5°	2742.3	2632.8	1582.7	251.3	204.1	171.7	138.1	112.0	98.3	89.6	87.1
40°	3089.4	2936.4	1350.0	220.2	180.4	145.6	113.2	92.1	82.1	74.7	72.2
42.5°	3539.8	3294.7	1082.5	200.3	158.0	121.9	92.1	75.9	67.2	62.2	61.0
45°	4066.1	3644.4	800.0	180.4	136.9	100.8	75.9	62.2	56.0	52.3	51.0
47.5°	4604.9	3950.4	552.4	159.3	117.0	83.4	63.5	53.5	48.5	43.5	42.3
50°	5179.7	4209.2	377.0	138.1	99.5	68.4	54.7	48.5	42.3	38.6	37.3
52.5°	5601.5	4305.0	262.5	119.4	84.6	58.5	48.5	43.5	38.6	33.6	32.4
55°	5991.0	4302.6	199.1	100.8	72.2	51.0	43.5	38.6	33.6	29.9	28.6
57.5°	6379.2	4269.0	156.8	85.9	62.2	46.0	38.6	33.6	31.1	26.1	24.9
60°	6630.5	4142.0	121.9	72.2	53.5	39.8	33.6	29.9	26.1	22.4	21.2
62.5°	6763.6	3965.4	93.3	57.2	43.5	34.8	29.9	26.1	22.4	18.7	17.4
65°	6583.2	3651.8	73.4	44.8	33.6	29.9	24.9	21.2	17.4	13.7	12.4
67.5°	5783.2	3079.5	57.2	36.1	26.1	22.4	21.2	17.4	12.4	10.0	8.7
70°	4087.3	2109.0	44.8	27.4	19.9	17.4	16.2	13.7	10.0	7.5	6.2
72.5°	2243.3	1063.8	32.4	19.9	14.9	13.7	12.4	11.2	8.7	6.2	6.2
75°	863.5	292.4	23.6	13.7	10.0	10.0	8.7	8.7	7.5	5.0	5.0
77.5°	225.2	87.1	14.9	8.7	6.2	6.2	6.2	5.0	5.0	3.7	3.7
80°	72.2	28.6	8.7	6.2	5.0	3.7	3.7	2.5	3.7	2.5	2.5
82.5°	23.6	10.0	5.0	5.0	3.7	2.5	2.5	1.2	1.2	0.0	0.0
85°	8.7	5.0	3.7	2.5	2.5	2.5	1.2	0.0	0.0	0.0	0.0
87.5°	5.0	2.5	2.5	2.5	2.5	1.2	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)