

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: P635250

Luminaire Tested: GWS-SA3D-735-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17698.5 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

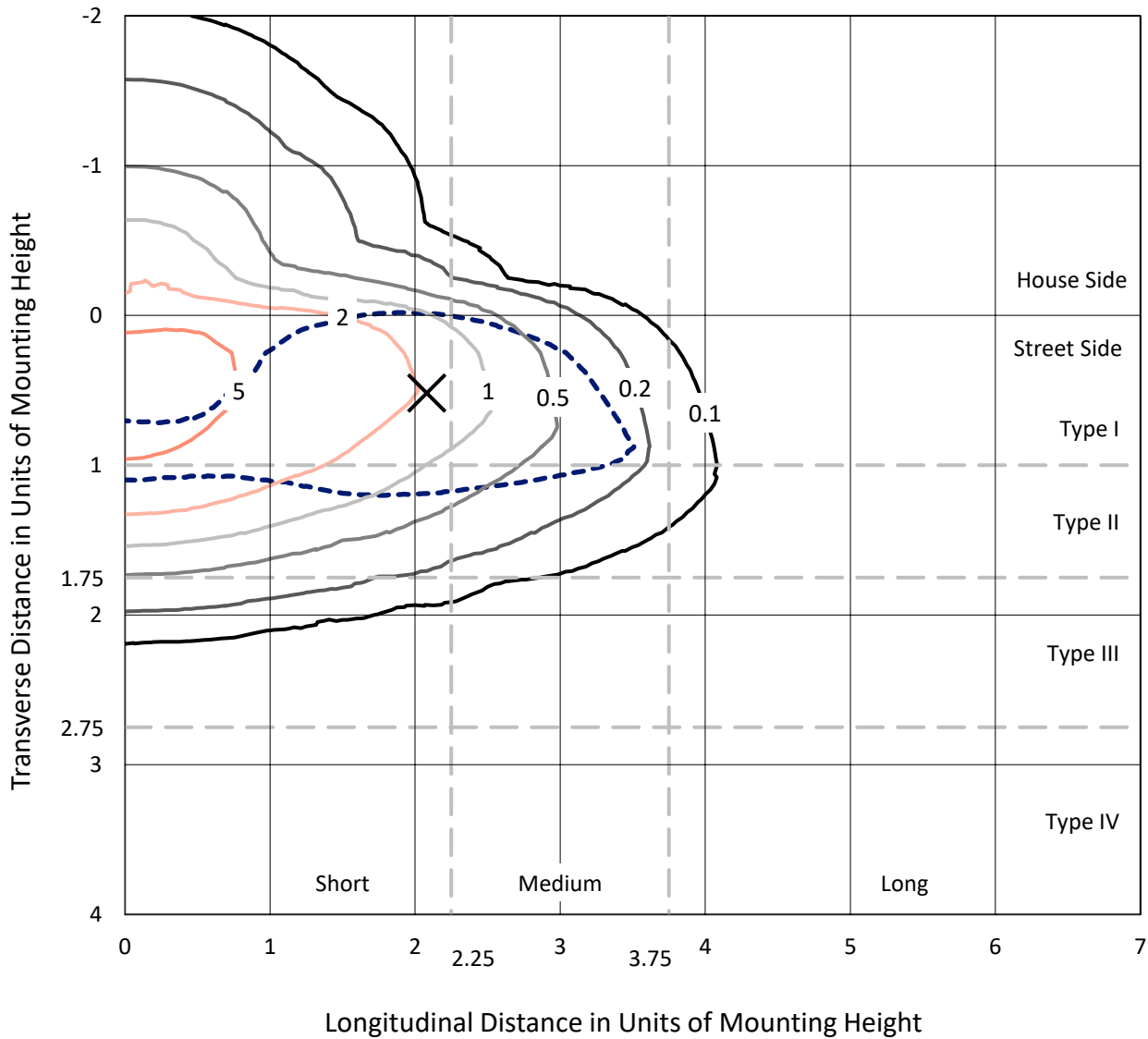
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635250
 CATALOG NUMBER: GWS-SA3D-735-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination

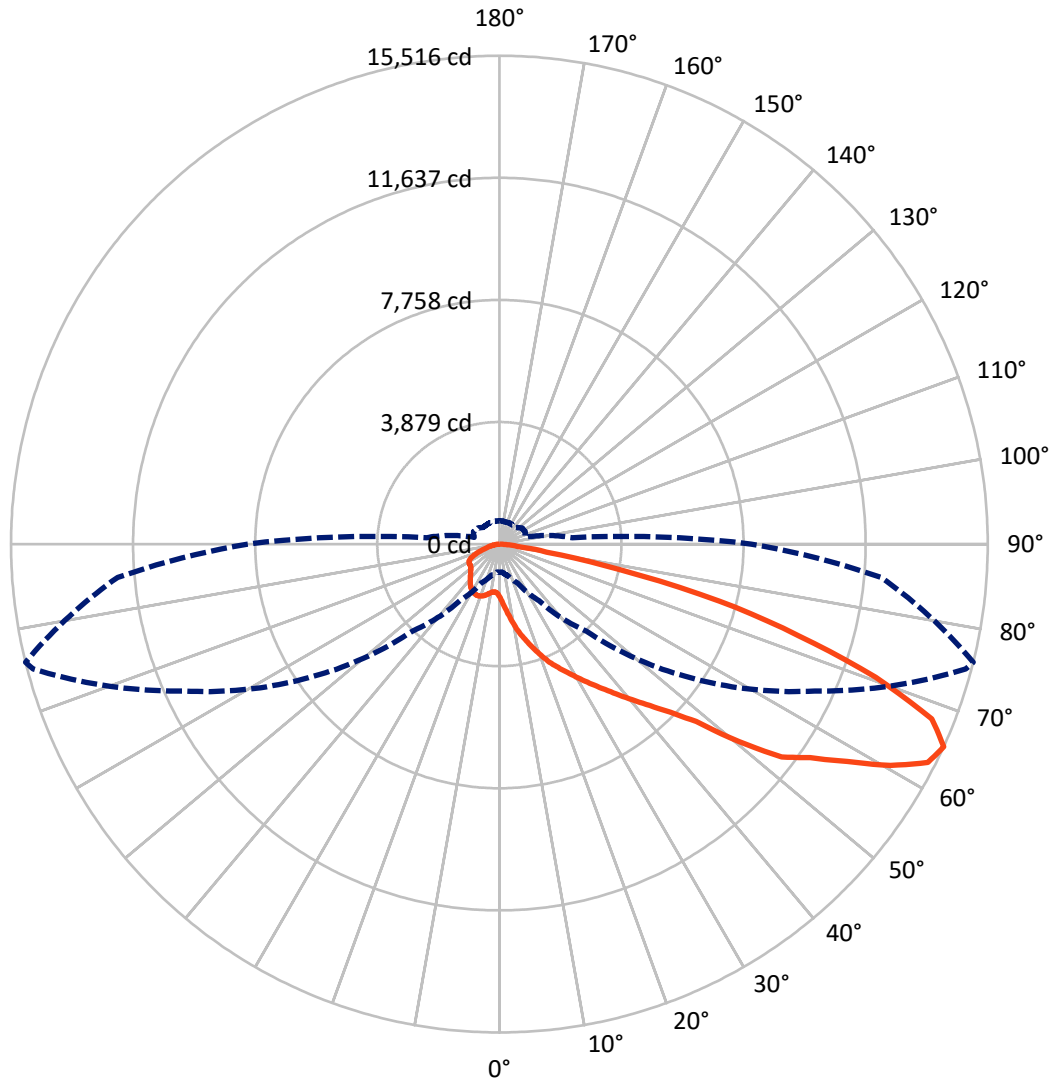
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

REPORT NUMBER: P635250
CATALOG NUMBER: GWS-SA3D-735-U-T2R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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CATALOG NUMBER: GWS-SA3D-735-U-T2R-W

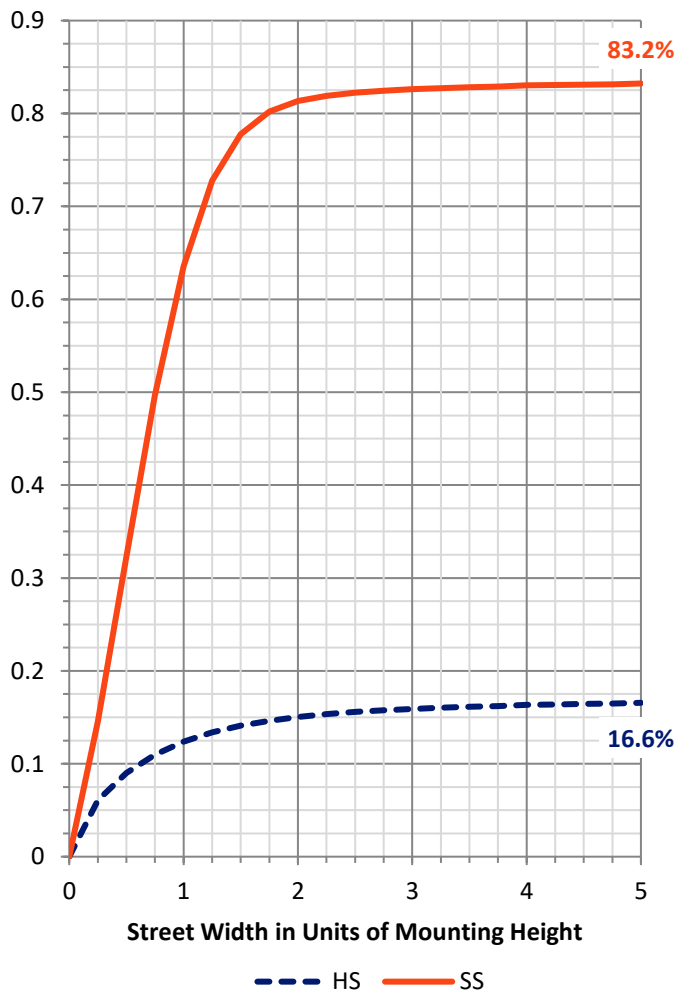
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2958.3	0.0	2958.3
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	14740.2	0.0	14740.2
	% Fixture	83.3	0.0	83.3
Total	Lumens	17698.5	0.0	17698.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.1	1.1
10°-20°	758.4	4.3
20°-30°	1478.0	8.4
30°-40°	2471.9	14.0
40°-50°	3539.3	20.0
50°-60°	4190.1	23.7
60°-70°	3484.1	19.7
70°-80°	1425.8	8.1
80°-90°	151.8	0.9
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°	17698.5	100.0
0°-180°	17698.5	100.0

Coefficient of Utilization



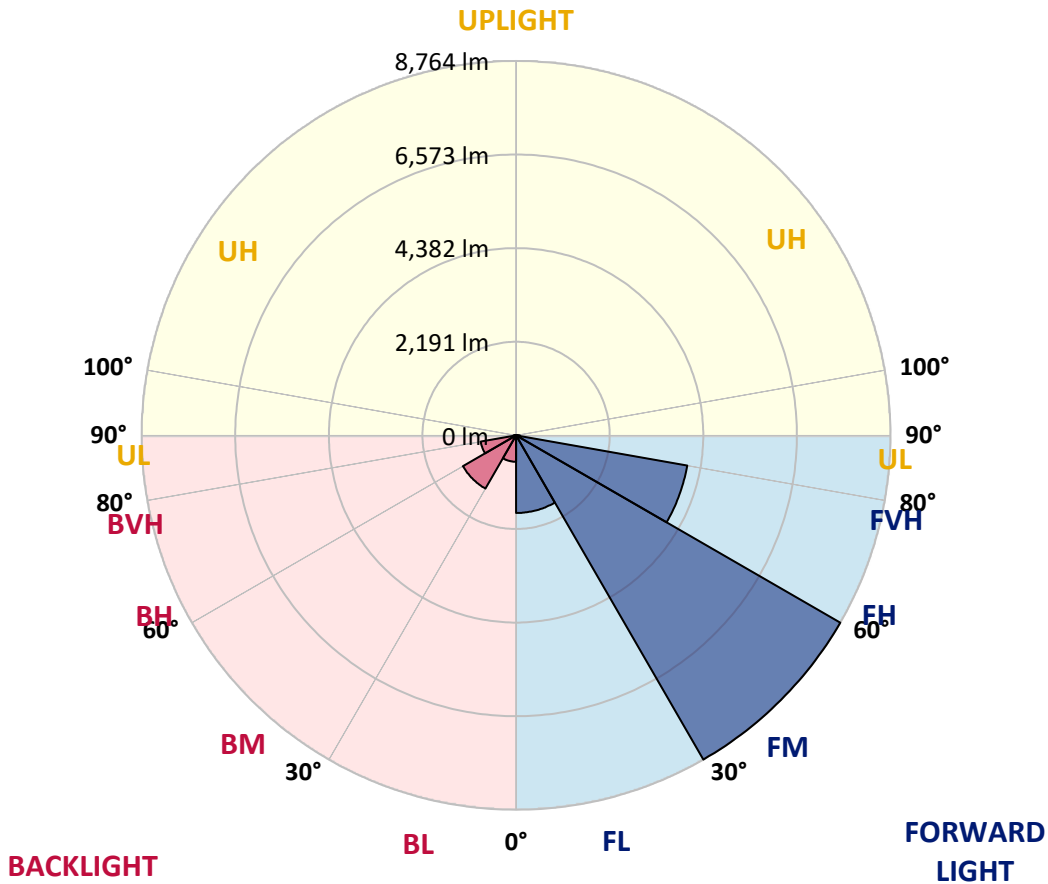
REPORT NUMBER: P635250

CATALOG NUMBER: GWS-SA3D-735-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1816.7	10.3			
FM (30°-60°)	8763.6	49.5			
FH (60°-80°)	4069.3	23.0			G2/5000
FVH (80°-90°)	90.5	0.5			G1/100
BL (0°-30°)	618.9	3.5	B2/1000		
BM (30°-60°)	1437.7	8.1	B2/2500		
BH (60°-80°)	840.5	4.7	B2/1000		G2/1000
BVH (80°-90°)	61.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1676.0	1676.0	1676.0	1676.0	1676.0	1676.0	1676.0	1676.0	1676.0	1676.0	1676.0
2.5°	2349.1	2357.8	2329.2	2319.3	2252.1	2161.2	2085.3	1970.9	1865.1	1848.9	1754.4
5°	2983.7	2946.3	2914.0	2892.8	2799.5	2696.3	2535.7	2320.5	2095.3	2067.9	1863.9
7.5°	3360.7	3354.5	3314.6	3302.2	3230.0	3126.8	2961.3	2693.8	2366.5	2321.7	2011.9
10°	3663.0	3659.3	3639.4	3650.6	3584.6	3483.9	3323.3	3047.1	2663.9	2619.1	2177.4
12.5°	3926.8	3933.0	3929.3	3970.3	3936.8	3858.4	3691.6	3388.0	2961.3	2912.8	2379.0
15°	4119.7	4124.6	4143.3	4232.9	4251.5	4235.4	4066.2	3722.7	3254.9	3185.2	2586.8
17.5°	4174.4	4184.4	4229.1	4373.5	4474.3	4541.5	4415.8	4063.7	3543.6	3467.7	2798.3
20°	4247.8	4259.0	4303.8	4454.4	4602.4	4755.5	4733.1	4409.6	3834.7	3772.5	3012.3
22.5°	4587.5	4578.8	4558.9	4631.0	4736.8	4927.2	4983.2	4741.8	4135.8	4076.1	3248.7
25°	5242.0	5225.8	5098.9	5032.9	4998.1	5113.8	5213.3	5044.1	4429.5	4339.9	3468.9
27.5°	5963.6	5954.9	5793.2	5636.4	5422.4	5372.6	5431.1	5307.9	4714.4	4623.6	3660.5
30°	6646.7	6620.6	6451.4	6254.8	5968.6	5754.6	5668.7	5566.7	5026.7	4932.1	3884.5
32.5°	7257.6	7224.0	7024.9	6807.2	6507.3	6254.8	5998.4	5841.7	5380.1	5270.6	4113.4
35°	7759.0	7725.4	7521.4	7290.0	6960.2	6773.6	6422.7	6140.3	5739.6	5628.9	4383.4
37.5°	8147.2	8116.1	7903.4	7675.7	7388.3	7240.2	6935.4	6476.2	6154.0	6038.3	4669.6
40°	8365.0	8342.6	8172.1	7991.7	7750.3	7622.2	7485.3	6900.5	6618.1	6502.4	5006.8
42.5°	8430.9	8416.0	8296.5	8203.2	8040.2	7943.2	8021.6	7399.5	7113.3	7012.5	5386.3
45°	8265.4	8265.4	8230.6	8277.9	8285.4	8284.1	8559.1	7963.1	7721.7	7611.0	5921.3
47.5°	7842.4	7869.8	7920.8	8153.5	8398.6	8603.9	9187.4	8714.6	8504.3	8413.5	6679.0
50°	7068.5	7143.1	7317.3	7771.5	8292.8	8815.4	9782.2	9825.7	10026.0	9865.5	7793.9
52.5°	5935.0	5923.8	6368.0	7015.0	7810.1	8824.1	10109.4	10806.2	11344.9	11234.2	8622.5
55°	4716.9	4698.2	5112.6	6004.7	7069.7	8490.6	10306.0	11255.3	12076.5	11977.0	9367.8
57.5°	3612.0	3588.4	3956.7	4761.7	6024.6	7782.7	10268.7	11790.4	13083.1	13032.1	10380.6
60°	2486.0	2457.4	2802.0	3506.3	4787.8	6700.2	9855.6	12065.3	14261.4	14278.8	11464.4
62.5°	1493.1	1476.9	1727.0	2273.2	3444.0	5358.9	8888.8	11898.6	15199.6	15277.9	12161.1
65°	900.8	889.6	1036.4	1356.2	2184.9	3910.6	7398.2	11046.3	15335.2	15515.6	12177.3
67.5°	655.7	657.0	699.3	826.2	1274.1	2525.8	5551.8	9518.4	14628.5	14815.1	11409.6
70°	569.9	572.3	594.7	623.4	770.2	1445.8	3609.5	7513.9	12539.4	12683.7	9569.4
72.5°	506.4	506.4	521.3	536.3	602.2	880.9	1933.5	5251.9	9896.6	9935.2	7303.7
75°	445.4	441.7	449.2	456.6	522.6	615.9	940.6	3659.3	7309.9	7220.3	4720.6
77.5°	354.6	350.9	352.1	359.6	419.3	440.5	476.5	2285.7	4119.7	3888.2	2085.3
80°	252.6	250.1	263.8	282.4	309.8	270.0	298.6	1106.1	1633.7	1520.5	808.8
82.5°	150.6	155.5	176.7	191.6	214.0	169.2	192.9	369.5	578.6	563.6	328.5
85°	21.2	22.4	63.5	73.4	92.1	65.9	102.0	166.7	231.4	247.6	115.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.7	29.9	65.9	67.2	28.6
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: P635250
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1676.0	1676.0	1676.0	1676.0	1676.0	1676.0	1676.0	1676.0	1676.0	1676.0	1676.0
2.5°	1705.8	1647.4	1564.0	1494.3	1435.8	1388.6	1348.7	1318.9	1310.2	1297.7	1297.7
5°	1768.1	1662.3	1513.0	1407.2	1346.3	1310.2	1285.3	1272.9	1266.6	1259.2	1255.4
7.5°	1853.9	1705.8	1504.3	1397.3	1350.0	1327.6	1311.4	1304.0	1299.0	1291.5	1291.5
10°	1972.1	1770.5	1531.7	1432.1	1394.8	1372.4	1353.7	1341.3	1330.1	1318.9	1316.4
12.5°	2100.3	1855.2	1581.4	1479.4	1439.6	1412.2	1386.1	1367.4	1353.7	1340.0	1336.3
15°	2242.1	1942.2	1634.9	1525.4	1475.7	1438.3	1407.2	1378.6	1359.9	1340.0	1337.6
17.5°	2381.5	2030.6	1679.7	1556.5	1493.1	1447.0	1402.3	1364.9	1341.3	1318.9	1312.7
20°	2548.2	2118.9	1710.8	1565.2	1489.3	1428.4	1374.9	1327.6	1301.5	1275.3	1271.6
22.5°	2701.2	2201.0	1725.8	1552.8	1460.7	1388.6	1326.4	1275.3	1246.7	1220.6	1215.6
25°	2849.3	2273.2	1719.5	1522.9	1417.2	1333.8	1269.1	1218.1	1190.7	1163.4	1155.9
27.5°	2992.4	2321.7	1694.6	1476.9	1362.4	1272.9	1210.6	1164.6	1141.0	1117.3	1107.4
30°	3133.0	2366.5	1656.1	1417.2	1292.8	1209.4	1158.4	1126.0	1102.4	1077.5	1070.0
32.5°	3274.8	2398.9	1597.6	1347.5	1221.8	1153.4	1122.3	1098.7	1073.8	1048.9	1041.4
35°	3417.9	2412.6	1526.7	1267.9	1162.1	1117.3	1106.1	1078.8	1045.2	1015.3	1005.3
37.5°	3588.4	2425.0	1438.3	1189.5	1109.9	1099.9	1097.4	1056.4	1016.5	975.5	964.3
40°	3793.7	2441.2	1347.5	1118.6	1067.6	1093.7	1083.7	1027.7	948.1	908.3	895.8
42.5°	4045.0	2471.0	1252.9	1053.9	1036.4	1070.0	1058.8	958.1	904.6	882.2	875.9
45°	4414.5	2580.5	1158.4	1002.9	1012.8	1036.4	1019.0	917.0	895.8	880.9	873.5
47.5°	5072.7	2748.5	1076.3	964.3	994.1	1006.6	939.4	905.8	889.6	869.7	861.0
50°	5757.1	2821.9	1010.3	940.6	973.0	979.2	895.8	890.9	879.7	858.5	849.8
52.5°	6219.9	2812.0	970.5	931.9	955.6	931.9	875.9	874.7	867.2	842.3	832.4
55°	6742.5	2829.4	953.1	934.4	948.1	852.3	851.1	854.8	851.1	823.7	818.7
57.5°	7448.0	2882.9	944.4	943.1	943.1	813.7	827.4	832.4	824.9	812.5	808.8
60°	8126.1	2886.6	928.2	953.1	939.4	790.1	800.0	805.0	796.3	793.8	792.6
62.5°	8381.2	2707.5	892.1	945.6	924.5	764.0	771.4	773.9	765.2	771.4	770.2
65°	8001.7	2326.7	832.4	909.5	878.4	740.3	735.3	741.6	726.6	742.8	744.1
67.5°	7104.6	1848.9	741.6	841.1	813.7	714.2	704.2	704.2	679.4	704.2	703.0
70°	5728.5	1306.4	608.4	731.6	742.8	683.1	678.1	649.5	609.7	647.0	643.3
72.5°	4342.4	938.2	479.0	578.6	639.5	639.5	640.8	592.3	546.2	563.6	548.7
75°	2751.0	660.7	383.2	442.9	501.4	561.1	589.8	500.2	459.1	451.7	444.2
77.5°	1239.3	434.2	298.6	339.7	355.9	442.9	538.8	430.5	374.5	358.3	353.4
80°	518.8	270.0	212.8	240.1	219.0	372.0	475.3	334.7	275.0	252.6	236.4
82.5°	227.7	160.5	135.6	129.4	136.9	276.2	354.6	222.7	171.7	232.7	235.2
85°	95.8	84.6	69.7	63.5	56.0	105.8	166.7	87.1	107.0	61.0	49.8
87.5°	22.4	24.9	18.7	12.4	7.5	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)