

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: P630567

Luminaire Tested: GWS-SA1D-830-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-830-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4808.2 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B2 - U0 - G2

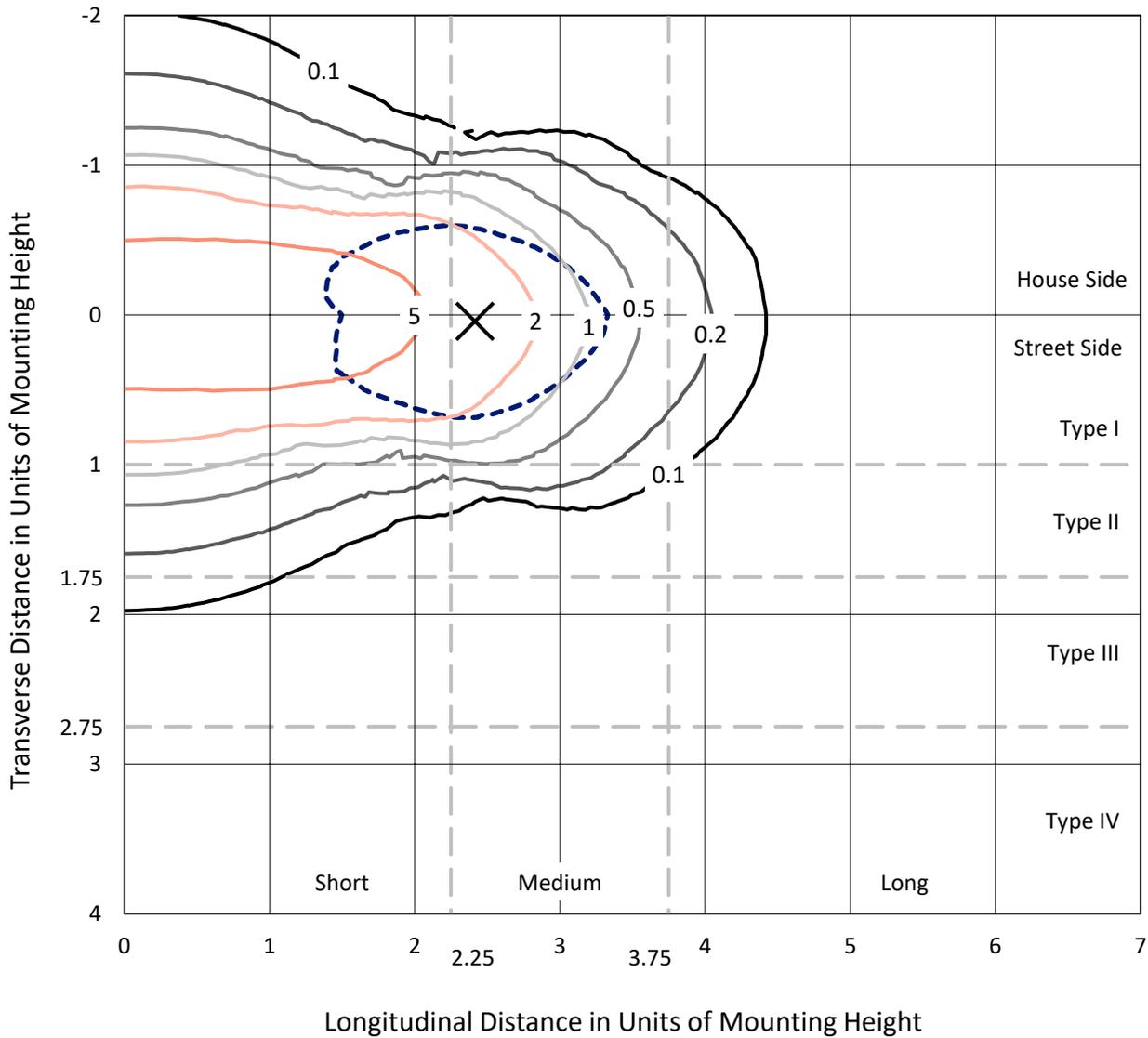
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630567
 CATALOG NUMBER: GWS-SA1D-830-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

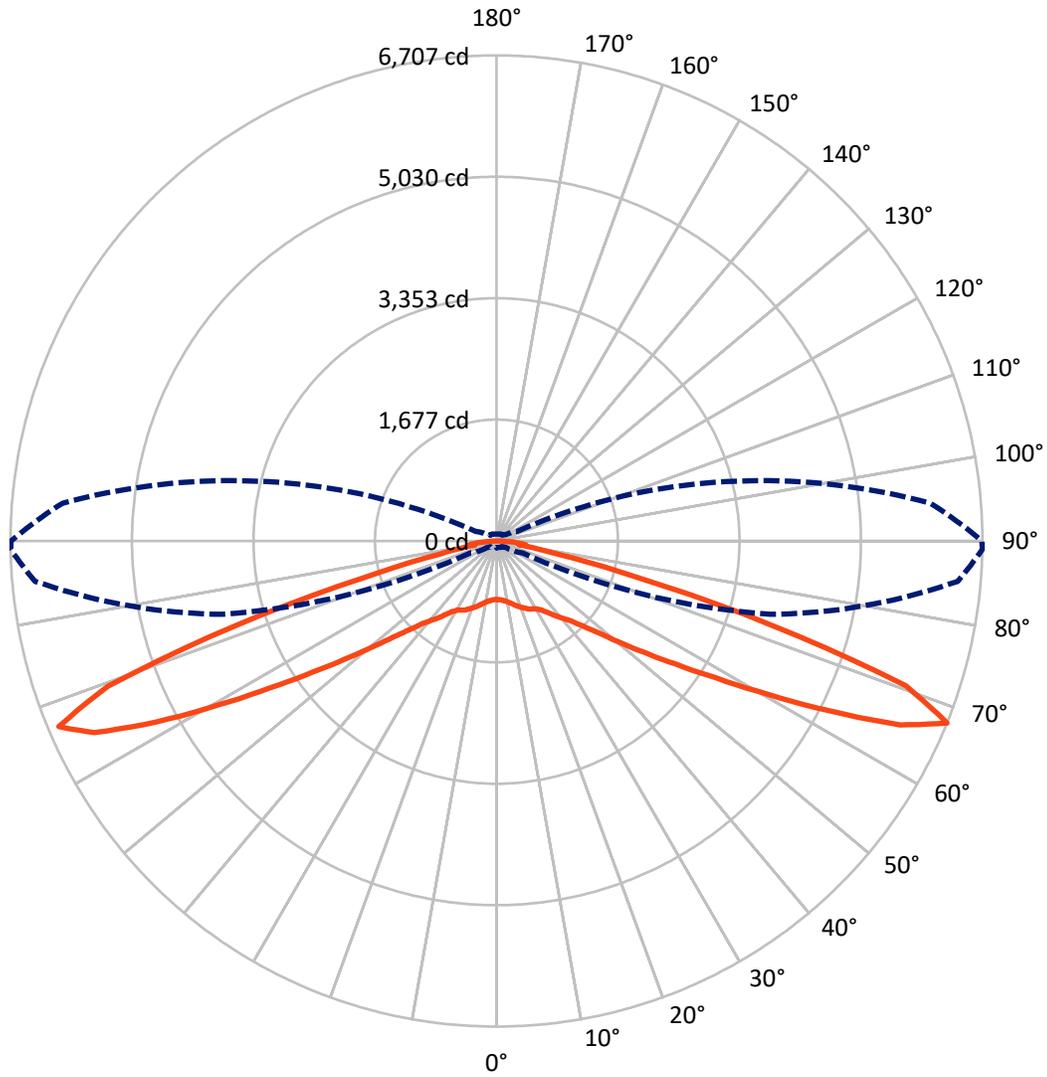
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type I - Medium - N/A

REPORT NUMBER: P630567
CATALOG NUMBER: GWS-SA1D-830-U-T1-W

Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630567

CATALOG NUMBER: GWS-SA1D-830-U-T1-W

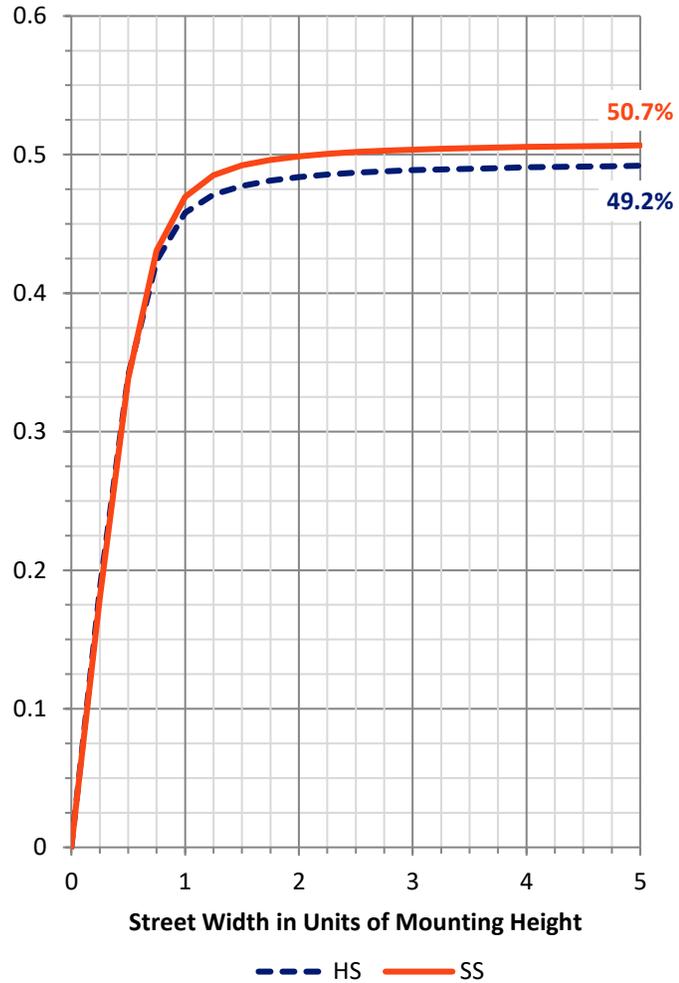
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2383.0	0.0	2383.0
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	2425.2	0.0	2425.2
	% Fixture	50.4	0.0	50.4
Total	Lumens	4808.2	0.0	4808.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	1.7
10°-20°	263.6	5.5
20°-30°	445.6	9.3
30°-40°	611.5	12.7
40°-50°	779.8	16.2
50°-60°	978.4	20.3
60°-70°	1180.0	24.5
70°-80°	426.9	8.9
80°-90°	41.5	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°	4808.2	100.0
0°-180°	4808.2	100.0

Coefficient of Utilization



REPORT NUMBER: P630567

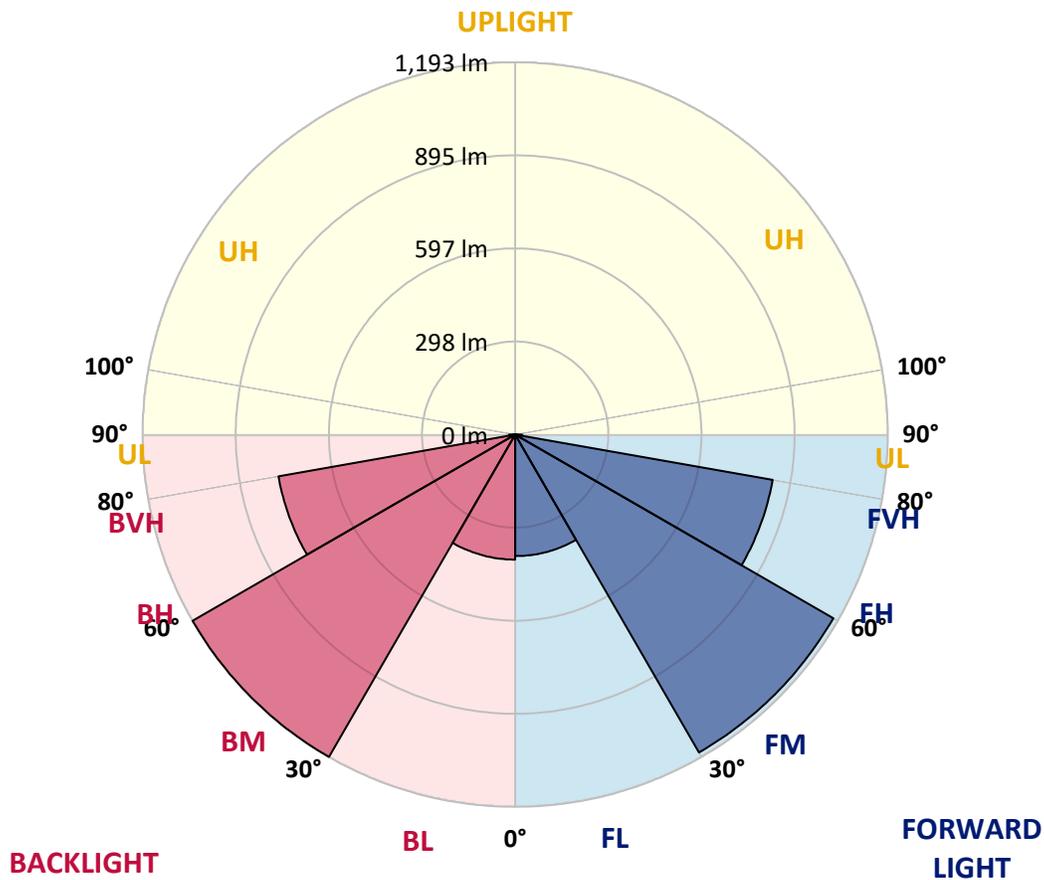
CATALOG NUMBER: GWS-SA1D-830-U-T1-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	389.4	8.1			
FM (30°-60°)	1176.7	24.5			
FH (60°-80°)	837.2	17.4			G1/1800
FVH (80°-90°)	21.9	0.5			G1/100
BL (0°-30°)	400.7	8.3	B1/500		
BM (30°-60°)	1193.0	24.8	B2/2500		
BH (60°-80°)	769.7	16.0	B2/1000		G2/1000
BVH (80°-90°)	19.6	0.4			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 I Medium





REPORT NUMBER: P630567
 CATALOG NUMBER: GWS-SA1D-830-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0
2.5°	809.4	808.7	807.0	812.2	811.2	811.5	813.6	812.2	809.8	805.6	811.5
5°	832.2	831.9	828.1	831.2	827.7	825.3	825.0	821.5	818.8	814.3	820.5
7.5°	854.3	854.0	850.9	856.4	853.6	850.9	847.8	840.9	834.3	827.7	834.6
10°	871.2	870.9	870.2	878.2	878.8	879.9	878.5	866.8	855.4	847.4	854.3
12.5°	880.9	882.0	883.7	898.2	905.4	912.3	914.1	904.4	885.4	874.0	882.3
15°	874.4	876.4	885.1	911.3	931.3	946.9	953.4	945.5	921.0	902.0	911.3
17.5°	842.9	844.7	861.6	901.6	945.8	981.8	992.5	987.6	960.3	937.2	946.2
20°	799.4	803.2	821.5	877.5	943.4	1005.9	1034.6	1032.9	1003.2	967.6	978.3
22.5°	760.1	764.5	783.9	845.7	927.2	1012.1	1077.1	1081.5	1042.2	998.0	1006.6
25°	715.9	720.0	744.9	808.1	899.2	1007.3	1113.3	1133.7	1086.4	1032.9	1040.8
27.5°	670.6	673.7	698.2	765.6	862.6	998.3	1142.0	1191.0	1129.9	1057.0	1062.6
30°	630.9	635.0	657.5	723.1	822.6	980.4	1165.5	1252.1	1180.0	1084.3	1088.8
32.5°	592.6	596.0	620.5	681.3	780.1	952.7	1186.5	1324.0	1254.2	1135.1	1135.1
35°	544.2	550.4	578.1	641.3	740.0	916.1	1201.7	1407.5	1355.7	1210.0	1210.4
37.5°	499.7	503.1	532.1	596.0	697.9	874.7	1203.1	1494.2	1484.2	1305.3	1306.0
40°	448.9	453.4	484.5	547.7	649.6	831.2	1190.0	1575.0	1618.9	1403.4	1399.6
42.5°	397.5	404.0	433.7	495.5	597.4	778.0	1155.1	1652.0	1789.8	1517.0	1507.7
45°	347.7	351.9	381.6	439.9	537.7	714.5	1099.2	1725.9	1992.9	1689.7	1676.2
47.5°	291.8	293.5	324.3	380.2	475.9	643.7	1019.0	1791.9	2215.9	1918.3	1895.1
50°	242.1	244.5	268.7	316.7	400.2	559.8	919.2	1830.6	2500.1	2230.1	2190.0
52.5°	195.8	198.2	217.6	255.9	330.8	464.1	795.6	1821.6	2788.5	2617.2	2558.8
55°	158.2	159.9	173.0	203.0	260.4	369.1	649.6	1741.1	3108.6	3122.7	2997.1
57.5°	133.6	134.3	143.3	161.6	203.4	284.5	501.4	1551.2	3444.2	3767.8	3561.3
60°	119.5	119.8	124.0	135.4	160.6	217.2	367.4	1248.7	3792.0	4574.8	4291.7
62.5°	110.5	110.5	114.0	120.5	133.3	167.1	270.0	896.8	4041.6	5453.0	5171.5
65°	101.9	101.9	104.3	109.8	116.7	136.4	202.7	578.4	4164.2	6187.1	6124.6
67.5°	90.8	91.2	92.9	98.8	105.0	114.0	153.7	391.2	3909.7	6390.2	6706.5
70°	80.5	80.8	83.2	87.0	92.2	98.4	120.2	269.7	2845.8	5322.1	5996.5
72.5°	69.1	70.4	72.2	76.3	79.4	83.9	98.1	174.7	1655.8	3423.5	3964.0
75°	56.6	58.4	60.4	64.6	66.6	68.4	80.8	124.7	796.7	1734.9	1975.6
77.5°	43.9	45.6	48.0	51.8	53.2	55.3	61.8	90.1	381.6	769.0	829.1
80°	29.4	30.0	32.1	36.6	39.0	40.4	45.6	61.5	165.8	308.7	306.0
82.5°	18.0	18.3	19.0	21.8	22.8	24.2	29.7	37.6	79.1	350.8	402.3
85°	6.6	6.2	5.9	7.6	9.0	10.4	13.8	19.0	34.5	241.0	269.7
87.5°	0.0	0.0	0.0	0.3	0.7	0.7	1.4	2.8	8.3	90.1	61.8
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: P630567
 CATALOG NUMBER: GWS-SA1D-830-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0
2.5°	809.8	806.0	810.8	814.3	821.9	824.6	825.3	822.9	822.9	818.8	819.4
5°	819.1	816.7	824.6	830.5	841.5	845.7	848.5	846.7	847.8	845.0	845.7
7.5°	833.3	831.2	845.0	856.4	867.8	872.6	875.0	873.7	874.0	870.6	871.6
10°	852.9	853.6	870.2	885.1	900.3	905.1	906.1	902.0	898.5	892.3	892.7
12.5°	879.9	883.3	906.8	923.4	938.9	945.8	938.2	923.0	908.9	898.2	896.8
15°	909.2	915.4	949.3	970.4	987.3	983.8	961.4	927.2	899.2	883.3	880.2
17.5°	944.5	953.8	996.3	1021.5	1036.0	1013.9	966.9	915.8	876.8	855.4	851.2
20°	977.6	992.5	1046.0	1078.8	1080.5	1030.8	964.5	892.7	843.6	817.4	811.9
22.5°	1008.0	1027.0	1098.1	1139.9	1117.5	1038.4	949.6	859.9	803.6	772.8	768.0
25°	1041.1	1068.1	1158.9	1197.9	1154.4	1035.3	918.6	819.1	755.2	723.8	720.3
27.5°	1063.9	1097.8	1220.0	1257.3	1184.8	1017.7	878.5	774.6	711.0	681.3	676.5
30°	1090.2	1133.3	1287.4	1321.9	1203.4	991.8	835.7	733.1	669.9	637.8	634.4
32.5°	1137.8	1192.1	1370.9	1390.3	1209.3	959.6	794.6	693.1	627.1	595.0	590.2
35°	1214.5	1278.0	1488.3	1466.6	1204.8	924.4	755.6	646.1	583.2	553.2	548.4
37.5°	1311.2	1390.3	1619.2	1535.3	1192.4	885.8	709.3	606.7	543.9	513.5	510.7
40°	1401.3	1498.7	1766.0	1594.7	1167.2	838.1	664.7	565.6	501.4	469.3	463.1
42.5°	1514.2	1643.7	1935.9	1646.2	1125.7	781.1	614.7	514.9	448.2	419.2	411.6
45°	1685.9	1846.8	2133.4	1695.5	1063.9	711.0	551.8	453.1	389.9	360.2	354.3
47.5°	1900.0	2100.6	2347.5	1724.9	970.0	637.1	480.7	387.8	324.6	291.1	288.3
50°	2200.7	2469.7	2577.1	1719.7	865.0	549.4	400.6	310.1	257.3	233.1	229.3
52.5°	2567.1	2933.2	2825.4	1657.5	753.5	449.6	312.2	243.5	204.1	186.8	183.7
55°	3026.7	3488.1	3086.8	1524.3	612.6	344.3	245.2	192.0	165.1	154.7	153.3
57.5°	3595.8	4206.7	3338.6	1299.8	460.7	262.8	188.9	158.5	145.7	139.5	139.2
60°	4346.9	4969.5	3557.2	1010.1	329.8	201.0	156.1	141.6	131.6	127.4	127.1
62.5°	5239.9	5662.2	3693.2	687.9	247.9	160.2	137.4	128.5	122.6	120.2	119.8
65°	6157.8	6100.1	3628.3	450.6	188.2	136.1	123.3	118.4	113.3	110.8	110.8
67.5°	6699.9	6007.6	3130.0	312.9	149.2	119.5	111.2	106.7	98.1	96.0	96.0
70°	5934.4	4868.0	2051.6	228.9	120.9	104.6	96.7	90.5	87.0	84.9	84.6
72.5°	3924.9	3167.6	1090.9	158.8	100.8	89.1	81.8	79.4	75.3	73.2	72.9
75°	1953.5	1663.8	559.1	114.6	83.9	71.5	68.4	67.3	63.9	61.1	60.4
77.5°	814.3	740.7	260.7	83.2	63.9	57.7	54.9	54.9	51.1	48.0	46.6
80°	307.0	273.5	123.3	57.0	47.3	42.8	41.1	39.7	36.6	32.8	30.7
82.5°	410.6	268.3	60.4	35.6	31.1	27.6	25.2	24.2	22.4	20.7	19.3
85°	265.9	190.6	27.3	18.3	15.5	11.7	10.4	9.7	8.6	7.6	6.9
87.5°	54.2	63.9	8.3	3.5	2.1	1.0	1.0	0.3	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)