

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: P633043

Luminaire Tested: GWS-SA2D-830-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-830-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5509.6 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

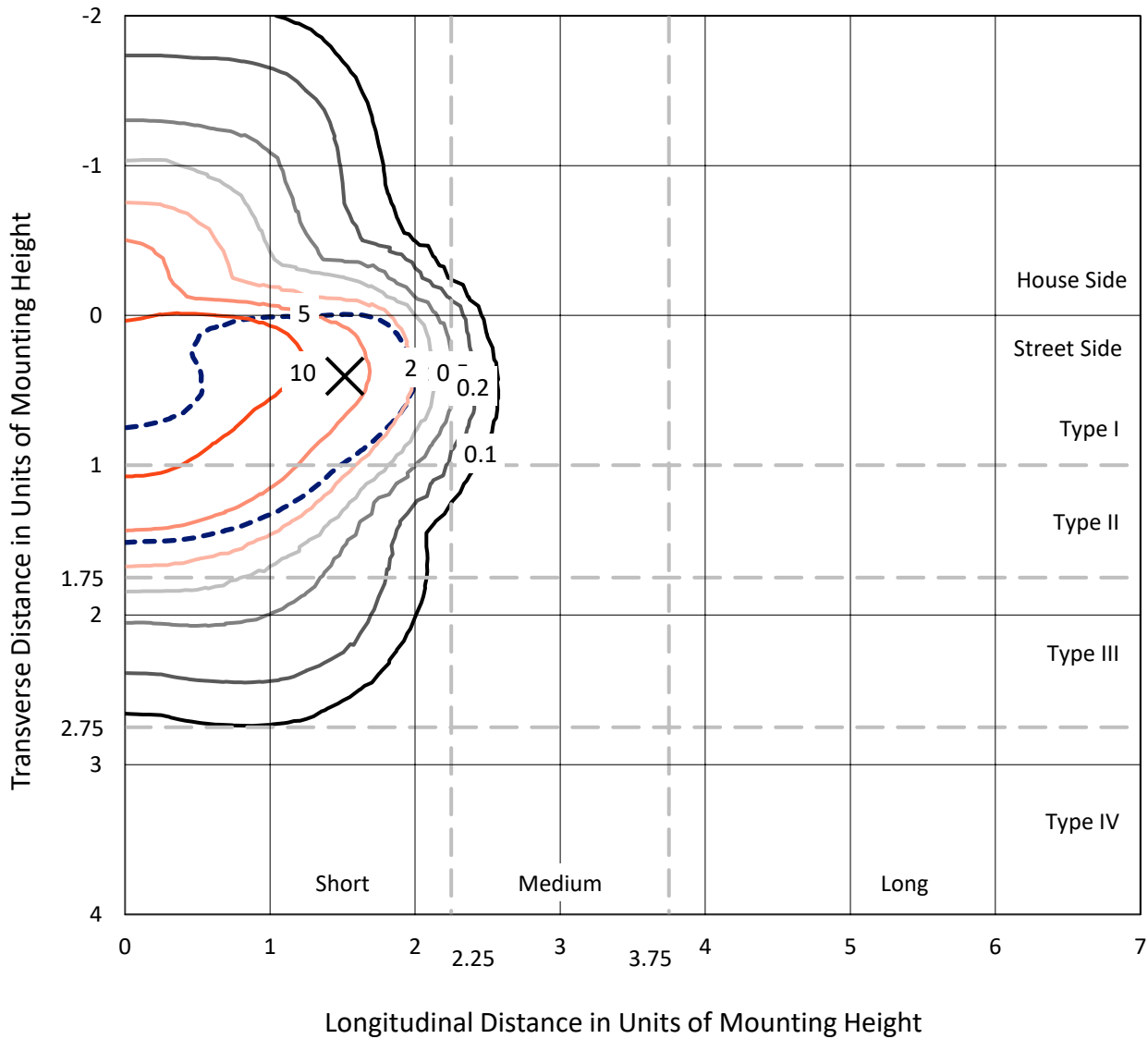
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633043
 CATALOG NUMBER: GWS-SA2D-830-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

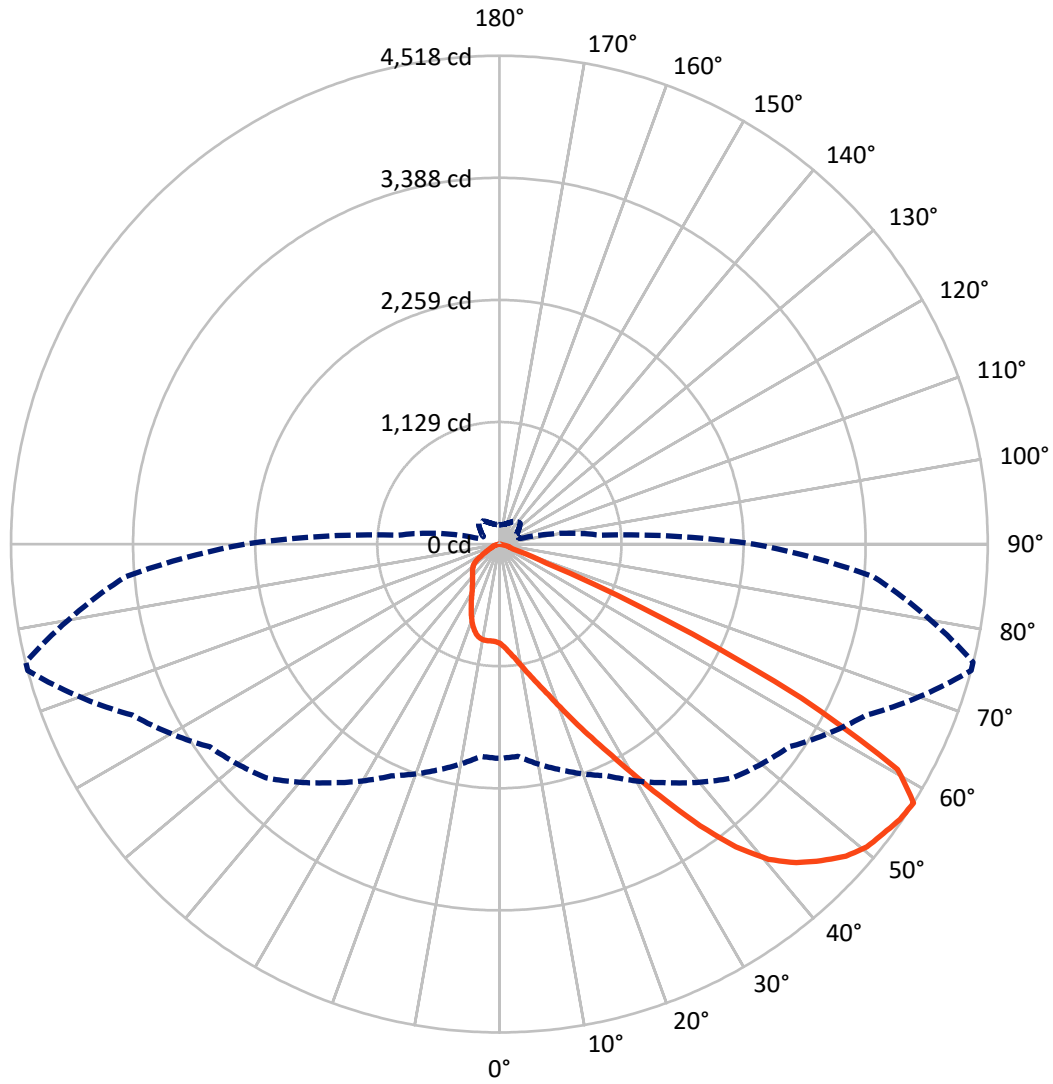
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.2 fc
 Type II - Short - N/A

REPORT NUMBER: P633043
CATALOG NUMBER: GWS-SA2D-830-U-T2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P633043
 CATALOG NUMBER: GWS-SA2D-830-U-T2-W-GRSBK

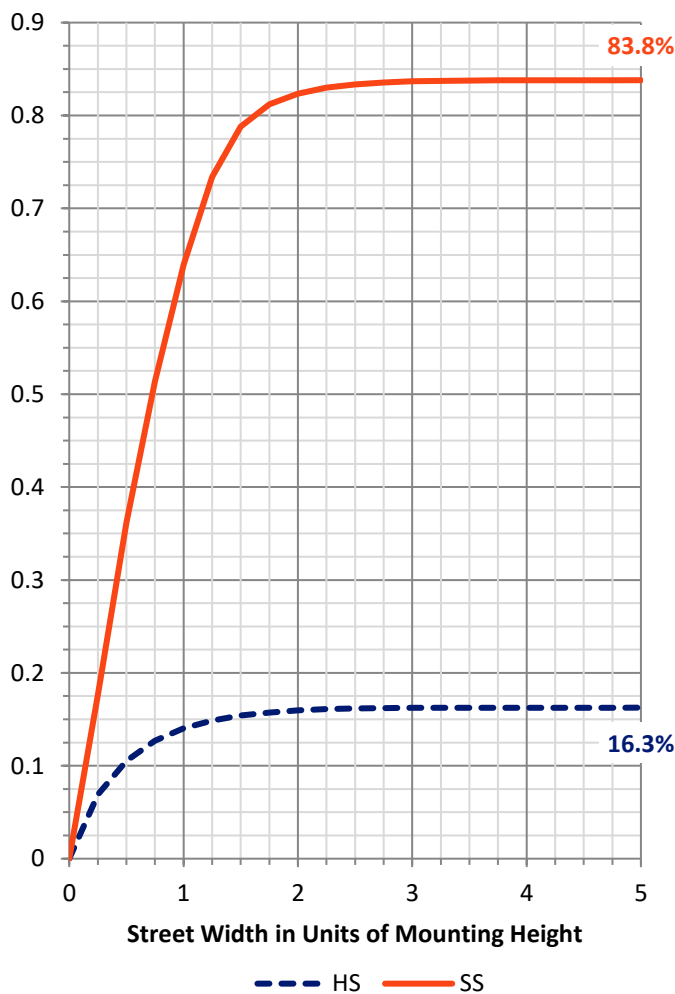
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	900.0	0.0	900.0
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	4609.6	0.0	4609.6
	% Fixture	83.7	0.0	83.7
Total	Lumens	5509.6	0.0	5509.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	1.7
10°-20°	303.8	5.5
20°-30°	556.2	10.1
30°-40°	922.9	16.8
40°-50°	1409.4	25.6
50°-60°	1583.7	28.7
60°-70°	584.2	10.6
70°-80°	55.8	1.0
80°-90°	0.0	0.0
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°	5509.6	100.0
0°-180°	5509.6	100.0

Coefficient of Utilization



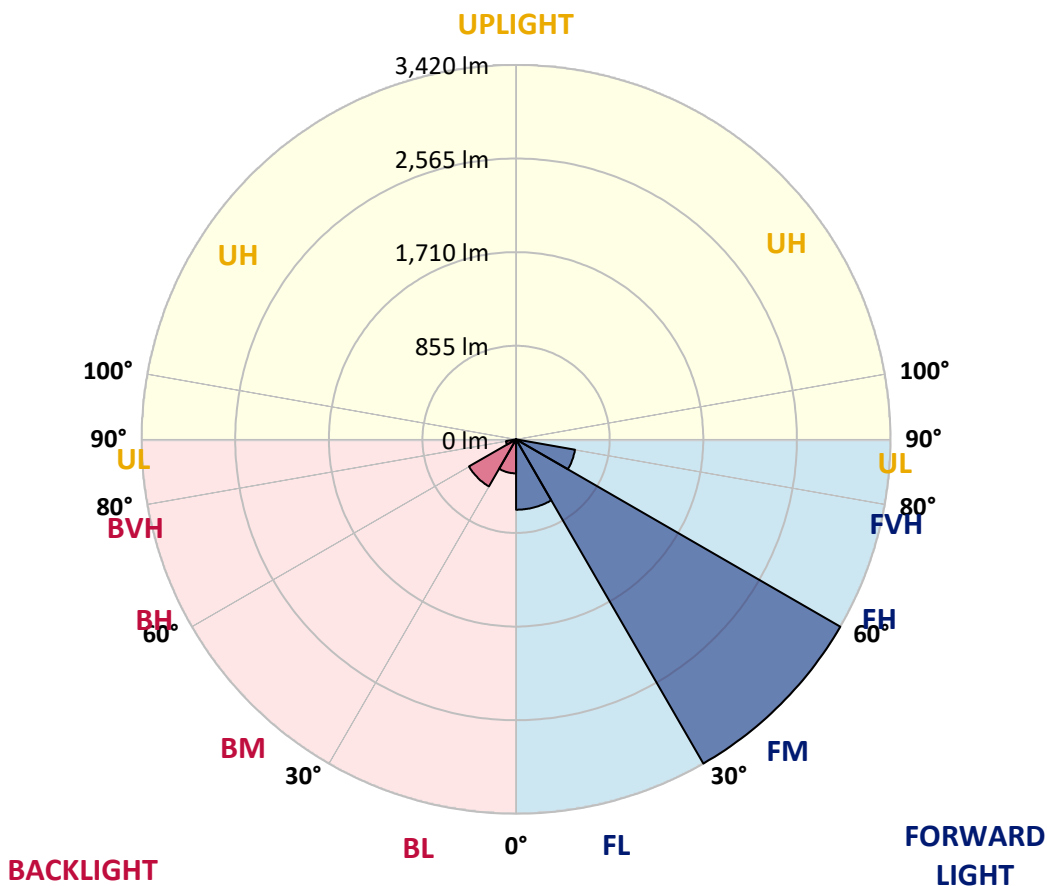
REPORT NUMBER: P633043

CATALOG NUMBER: GWS-SA2D-830-U-T2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	643.0	11.7			
FM (30°-60°)	3420.1	62.1			
FH (60°-80°)	546.5	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	310.6	5.6	B1/500		
BM (30°-60°)	495.9	9.0	B1/1000		
BH (60°-80°)	93.5	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0
 Type II Short





REPORT NUMBER: P633043

CATALOG NUMBER: GWS-SA2D-830-U-T2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9
2.5°	1026.6	1037.3	1034.0	1027.3	1023.3	1009.4	1000.7	975.4	957.5	955.5	938.9
5°	1156.3	1154.3	1151.6	1143.7	1137.0	1115.1	1089.1	1046.6	1008.7	1004.0	968.8
7.5°	1227.4	1228.8	1230.1	1228.8	1224.1	1207.5	1178.9	1129.0	1071.2	1067.2	1011.3
10°	1256.7	1259.4	1266.0	1278.6	1290.0	1288.6	1272.0	1220.8	1149.7	1143.0	1067.9
12.5°	1270.7	1274.0	1284.6	1308.6	1339.2	1363.1	1365.8	1319.9	1241.4	1230.8	1135.0
15°	1290.0	1293.3	1306.6	1337.8	1382.4	1429.6	1460.2	1430.9	1343.1	1331.8	1208.8
17.5°	1298.6	1303.3	1322.5	1363.8	1421.6	1494.1	1563.2	1560.6	1463.5	1454.9	1294.6
20°	1315.2	1318.5	1335.8	1380.4	1450.2	1554.6	1671.0	1712.8	1610.4	1597.8	1398.3
22.5°	1367.7	1369.1	1377.1	1405.0	1470.1	1598.5	1780.7	1890.4	1784.0	1767.4	1514.7
25°	1453.5	1452.9	1456.2	1460.8	1508.7	1643.0	1886.4	2090.5	1982.8	1964.8	1646.4
27.5°	1562.6	1562.6	1570.5	1557.3	1576.5	1698.2	1990.8	2320.6	2214.2	2188.9	1790.6
30°	1690.9	1690.2	1708.9	1687.6	1693.6	1785.3	2103.2	2571.3	2493.5	2462.2	1956.9
32.5°	1865.1	1861.1	1882.4	1853.1	1833.2	1917.0	2240.1	2833.2	2827.9	2780.0	2165.7
35°	2085.2	2078.6	2085.2	2056.6	2020.7	2101.2	2419.7	3094.6	3198.9	3148.4	2414.3
37.5°	2304.0	2325.2	2332.6	2283.3	2254.1	2334.5	2635.8	3328.6	3553.4	3500.8	2673.0
40°	2562.0	2555.3	2580.6	2525.4	2506.8	2595.9	2847.2	3502.8	3834.0	3784.1	2903.1
42.5°	2752.1	2764.1	2795.3	2764.8	2750.1	2833.9	3024.7	3604.6	4028.8	3979.6	3067.3
45°	2980.2	2988.8	3000.8	2975.5	2960.2	3042.7	3153.1	3649.1	4177.1	4123.9	3177.7
47.5°	3226.9	3233.5	3233.5	3181.7	3132.5	3166.4	3238.8	3674.4	4313.4	4262.2	3259.5
50°	3403.7	3407.1	3436.3	3399.8	3292.7	3240.2	3278.1	3699.0	4403.8	4355.9	3286.1
52.5°	3246.8	3242.8	3339.2	3415.0	3443.6	3339.2	3345.9	3734.9	4447.7	4406.4	3307.3
55°	2734.2	2727.5	2863.2	3047.3	3299.4	3433.0	3427.7	3756.2	4496.2	4470.9	3384.5
57.5°	1982.1	1970.8	2159.7	2364.5	2694.9	3057.3	3270.1	3744.2	4517.5	4515.5	3474.2
60°	1191.5	1182.2	1360.4	1575.9	1831.2	2195.6	2548.7	3353.9	4232.9	4236.9	3240.8
62.5°	733.4	742.1	903.0	1012.7	1107.8	1217.5	1421.6	2256.1	3135.8	3161.7	2277.4
65°	493.4	500.0	649.0	787.3	787.3	643.6	552.6	1078.5	1672.9	1629.1	1077.2
67.5°	331.1	338.4	456.1	617.7	641.0	448.8	224.1	321.8	466.1	452.1	266.6
70°	194.8	202.8	303.9	423.6	466.8	312.5	149.6	136.3	132.3	128.3	103.7
72.5°	87.1	90.4	154.9	215.4	196.8	131.7	105.7	109.0	103.1	101.1	84.4
75°	26.6	27.9	39.9	46.5	47.2	47.2	63.8	85.8	81.1	81.8	65.2
77.5°	6.6	6.6	10.6	10.0	5.3	4.7	12.0	19.3	19.9	18.0	13.3
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P633043
 CATALOG NUMBER: GWS-SA2D-830-U-T2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9
2.5°	931.6	914.3	903.0	887.0	875.7	863.7	853.1	844.5	839.8	838.5	839.1
5°	952.8	925.6	899.0	868.4	847.1	827.2	811.2	798.6	792.6	790.6	790.6
7.5°	985.4	947.5	900.3	852.4	816.5	785.3	766.7	752.7	747.4	746.0	742.1
10°	1028.0	976.1	898.3	823.8	773.3	740.7	727.4	723.4	725.4	726.1	725.4
12.5°	1079.2	1006.0	885.7	782.0	727.4	707.5	708.8	719.4	731.4	737.4	738.7
15°	1133.7	1033.3	857.1	732.1	688.2	687.5	706.8	731.4	754.7	764.7	767.3
17.5°	1194.9	1055.2	813.2	678.9	654.3	673.6	708.1	746.0	777.3	793.9	797.2
20°	1262.0	1073.2	757.3	629.0	624.4	658.9	706.8	753.4	791.9	810.5	813.9
22.5°	1331.8	1085.8	692.9	583.1	597.1	642.3	694.2	739.4	776.0	797.2	799.9
25°	1411.6	1087.2	627.0	544.6	571.8	619.7	663.6	700.8	731.4	750.0	752.0
27.5°	1481.5	1071.2	568.5	513.3	548.6	591.8	621.0	641.7	662.9	673.6	674.2
30°	1561.9	1043.3	513.3	488.1	524.6	557.2	571.8	576.5	578.5	580.5	577.8
32.5°	1657.7	1009.4	472.1	463.5	497.4	519.3	523.3	514.0	502.7	486.7	482.7
35°	1775.3	978.8	438.2	439.5	467.4	480.7	477.4	457.5	435.5	416.2	412.9
37.5°	1903.0	952.8	412.3	416.2	434.9	444.2	434.2	412.3	402.3	385.7	386.3
40°	2016.0	931.6	389.0	393.0	401.6	410.3	394.3	379.7	398.3	397.0	398.3
42.5°	2096.5	913.6	369.0	367.0	373.0	379.0	367.0	359.7	391.0	382.3	387.0
45°	2143.7	897.0	352.4	340.4	349.7	360.4	352.4	343.1	353.7	313.8	310.5
47.5°	2175.6	887.7	337.8	314.5	331.1	349.7	333.1	310.5	295.2	260.7	258.0
50°	2179.0	883.0	320.5	287.9	309.2	329.1	309.9	278.6	256.7	241.4	239.4
52.5°	2196.2	892.3	296.6	254.0	277.3	309.2	295.9	264.6	234.7	221.4	218.8
55°	2273.4	931.6	256.7	207.5	241.4	293.9	284.6	236.0	207.5	199.5	197.5
57.5°	2353.2	939.5	202.1	164.2	210.1	272.0	260.0	217.4	189.5	180.2	178.2
60°	2151.7	774.0	151.6	135.6	185.5	251.3	240.7	206.1	173.5	162.2	160.2
62.5°	1413.6	418.2	120.4	115.0	156.3	212.8	219.4	186.2	154.9	143.0	142.3
65°	651.6	194.2	92.4	91.1	122.3	169.6	188.8	162.9	131.0	120.4	120.4
67.5°	177.5	96.4	72.5	67.2	83.1	113.7	137.6	121.7	93.1	80.5	79.8
70°	88.4	77.8	65.2	57.8	59.8	70.5	81.1	67.8	47.2	38.6	37.9
72.5°	72.5	63.8	55.2	49.2	45.2	43.2	41.9	33.9	21.9	16.6	16.0
75°	53.9	45.9	39.2	31.9	27.3	25.3	22.6	16.6	9.3	5.3	4.7
77.5°	12.0	11.3	10.6	8.0	7.3	6.0	4.7	3.3	1.3	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)