

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: P632713

Luminaire Tested: GWS-SA2D-730-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632713
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-730-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, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6315.7 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

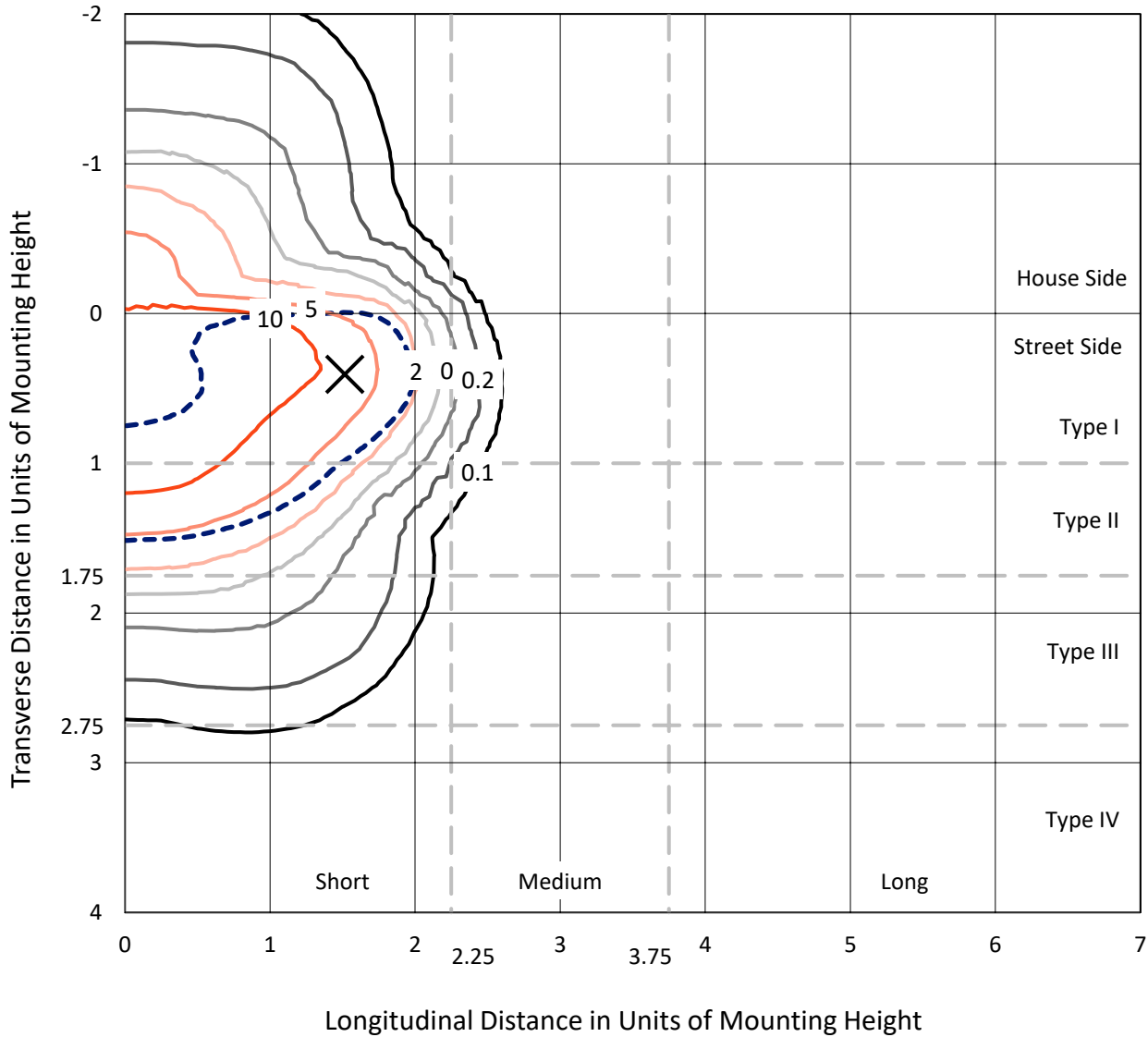
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

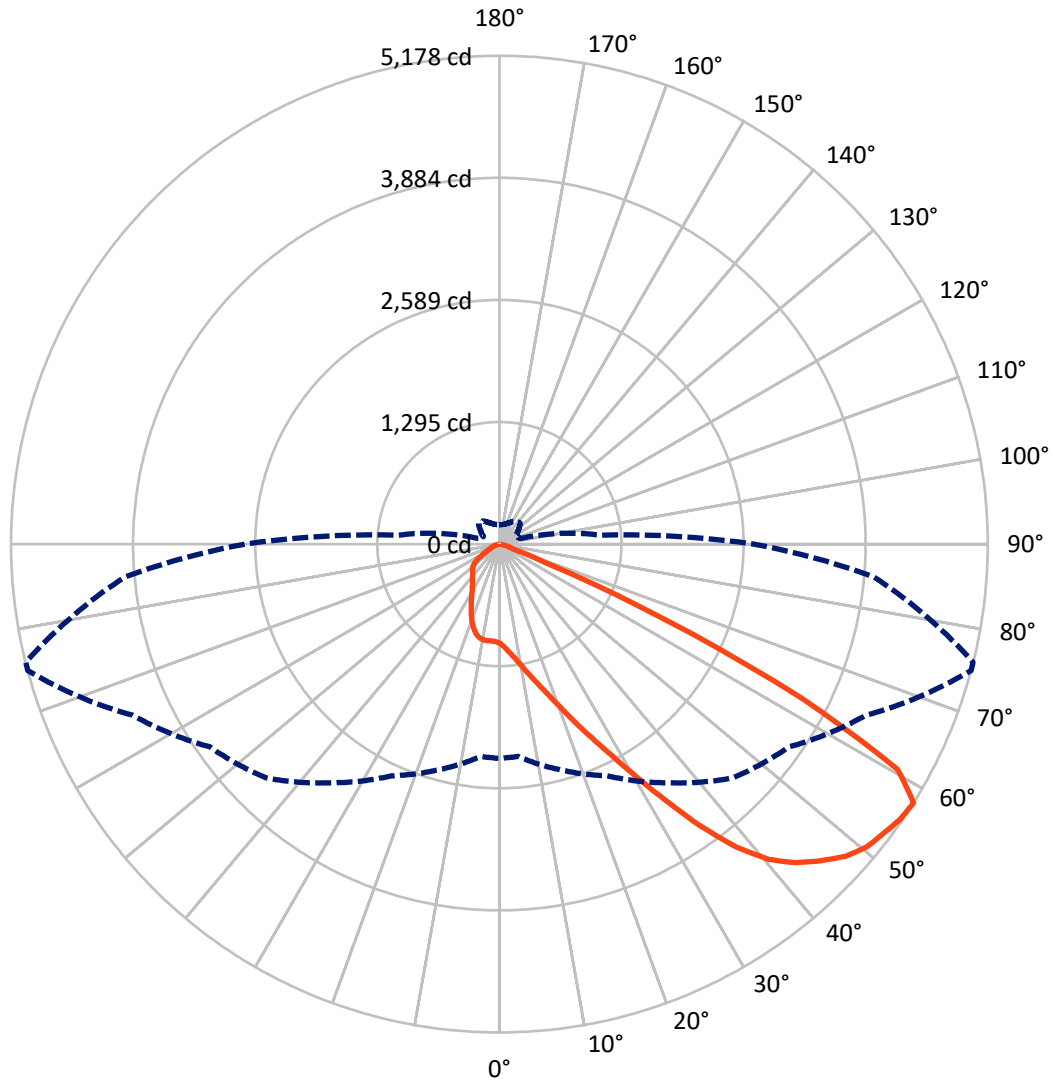
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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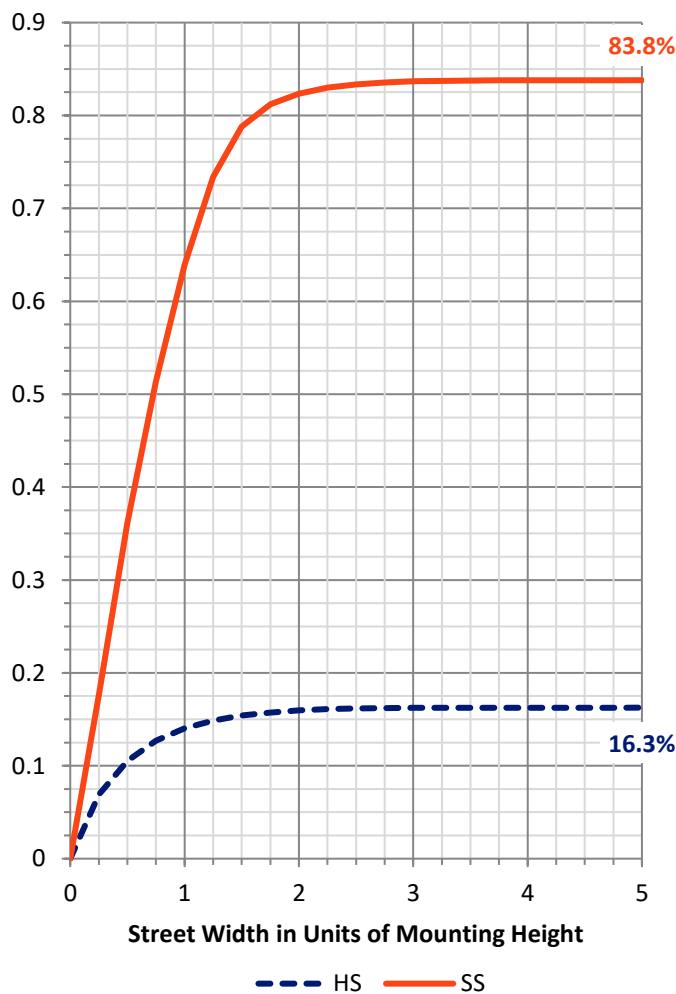
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1031.7	0.0	1031.7
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	5284.0	0.0	5284.0
	% Fixture	83.7	0.0	83.7
Total	Lumens	6315.7	0.0	6315.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	1.7
10°-20°	348.2	5.5
20°-30°	637.6	10.1
30°-40°	1057.9	16.8
40°-50°	1615.7	25.6
50°-60°	1815.5	28.7
60°-70°	669.6	10.6
70°-80°	64.0	1.0
80°-90°	0.1	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°	6315.7	100.0
0°-180°	6315.7	100.0

Coefficient of Utilization



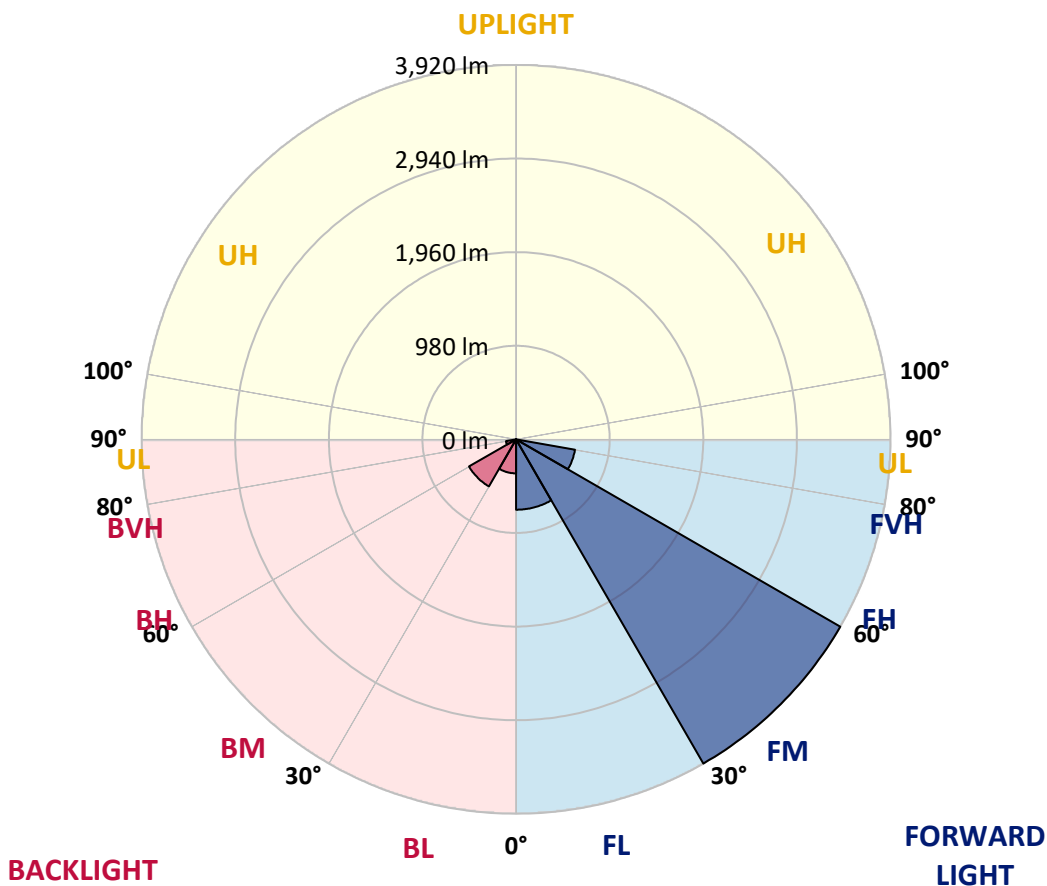
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	737.0	11.7			
FM (30°-60°)	3920.5	62.1			
FH (60°-80°)	626.5	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	356.0	5.6	B1/500		
BM (30°-60°)	568.5	9.0	B1/1000		
BH (60°-80°)	107.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4
2.5°	1176.8	1189.0	1185.2	1177.6	1173.0	1157.0	1147.1	1118.2	1097.6	1095.3	1076.2
5°	1325.5	1323.2	1320.1	1311.0	1303.4	1278.2	1248.5	1199.7	1156.3	1150.9	1110.5
7.5°	1407.0	1408.6	1410.1	1408.6	1403.2	1384.2	1351.4	1294.2	1227.9	1223.3	1159.3
10°	1440.6	1443.6	1451.2	1465.7	1478.7	1477.2	1458.1	1399.4	1317.9	1310.2	1224.1
12.5°	1456.6	1460.4	1472.6	1500.0	1535.1	1562.5	1565.6	1513.0	1423.0	1410.8	1301.1
15°	1478.7	1482.5	1497.7	1533.6	1584.6	1638.7	1673.8	1640.3	1539.7	1526.7	1385.7
17.5°	1488.6	1493.9	1516.0	1563.3	1629.6	1712.7	1791.9	1788.9	1677.6	1667.7	1484.0
20°	1507.6	1511.5	1531.3	1582.3	1662.4	1782.0	1915.4	1963.4	1846.1	1831.6	1602.9
22.5°	1567.9	1569.4	1578.5	1610.5	1685.2	1832.3	2041.2	2167.0	2045.0	2025.9	1736.3
25°	1666.2	1665.4	1669.2	1674.6	1729.4	1883.4	2162.4	2396.4	2272.9	2252.3	1887.2
27.5°	1791.2	1791.2	1800.3	1785.1	1807.2	1946.7	2282.0	2660.1	2538.2	2509.2	2052.6
30°	1938.3	1937.5	1958.9	1934.5	1941.3	2046.5	2410.9	2947.5	2858.3	2822.5	2243.2
32.5°	2138.0	2133.4	2157.8	2124.3	2101.4	2197.4	2567.9	3247.8	3241.7	3186.8	2482.5
35°	2390.3	2382.7	2390.3	2357.5	2316.3	2408.6	2773.7	3547.3	3667.0	3609.1	2767.6
37.5°	2641.0	2665.4	2673.8	2617.4	2583.9	2676.1	3021.4	3815.6	4073.2	4013.0	3064.1
40°	2936.8	2929.2	2958.1	2894.9	2873.5	2975.7	3263.8	4015.3	4394.9	4337.7	3327.8
42.5°	3154.8	3168.5	3204.3	3169.3	3152.5	3248.5	3467.3	4131.9	4618.2	4561.8	3516.1
45°	3416.2	3426.1	3439.8	3410.9	3393.3	3487.9	3614.4	4183.0	4788.2	4727.2	3642.6
47.5°	3699.0	3706.6	3706.6	3647.2	3590.8	3629.6	3712.7	4212.0	4944.4	4885.8	3736.3
50°	3901.7	3905.6	3939.1	3897.2	3774.5	3714.2	3757.7	4240.2	5048.1	4993.2	3766.8
52.5°	3721.9	3717.3	3827.8	3914.7	3947.5	3827.8	3835.4	4281.3	5098.4	5051.1	3791.2
55°	3134.2	3126.6	3282.1	3493.2	3782.1	3935.3	3929.2	4305.7	5154.0	5125.1	3879.6
57.5°	2272.1	2259.2	2475.7	2710.4	3089.2	3504.6	3748.5	4292.0	5178.4	5176.2	3982.5
60°	1365.9	1355.2	1559.5	1806.4	2099.1	2516.8	2921.5	3844.6	4852.2	4856.8	3715.0
62.5°	840.7	850.6	1035.1	1160.8	1269.8	1395.6	1629.6	2586.2	3594.6	3624.3	2610.6
65°	565.6	573.2	743.9	902.5	902.5	737.8	633.4	1236.3	1917.7	1867.4	1234.8
67.5°	379.6	388.0	522.9	708.1	734.8	514.5	256.9	368.9	534.3	518.3	305.6
70°	223.3	232.5	348.3	485.5	535.1	358.2	171.5	156.3	151.7	147.1	118.9
72.5°	99.8	103.7	177.6	247.0	225.6	150.9	121.2	125.0	118.1	115.9	96.8
75°	30.5	32.0	45.7	53.4	54.1	54.1	73.2	98.3	93.0	93.8	74.7
77.5°	7.6	7.6	12.2	11.4	6.1	5.3	13.7	22.1	22.9	20.6	15.2
80°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4
2.5°	1067.9	1048.0	1035.1	1016.8	1003.8	990.1	977.9	968.0	962.7	961.1	961.9
5°	1092.2	1061.0	1030.5	995.4	971.1	948.2	929.9	915.4	908.6	906.3	906.3
7.5°	1129.6	1086.1	1032.0	977.2	936.0	900.2	878.8	862.8	856.7	855.2	850.6
10°	1178.4	1118.9	1029.7	944.4	886.4	849.1	833.9	829.3	831.6	832.3	831.6
12.5°	1237.1	1153.2	1015.3	896.4	833.9	811.0	812.5	824.7	838.4	845.3	846.8
15°	1299.6	1184.5	982.5	839.2	788.9	788.1	810.2	838.4	865.1	876.5	879.6
17.5°	1369.7	1209.6	932.2	778.2	750.0	772.1	811.8	855.2	891.0	910.1	913.9
20°	1446.7	1230.2	868.2	721.0	715.7	755.3	810.2	863.6	907.8	929.1	932.9
22.5°	1526.7	1244.7	794.2	668.5	684.5	736.3	795.7	847.6	889.5	913.9	916.9
25°	1618.2	1246.2	718.8	624.2	655.5	710.4	760.7	803.4	838.4	859.8	862.1
27.5°	1698.2	1227.9	651.7	588.4	628.8	678.4	711.9	735.5	759.9	772.1	772.9
30°	1790.4	1195.9	588.4	559.5	601.4	638.7	655.5	660.8	663.1	665.4	662.4
32.5°	1900.2	1157.0	541.2	531.3	570.1	595.3	599.9	589.2	576.2	557.9	553.4
35°	2035.1	1122.0	502.3	503.8	535.8	551.1	547.3	524.4	499.2	477.1	473.3
37.5°	2181.4	1092.2	472.6	477.1	498.5	509.2	497.7	472.6	461.1	442.1	442.8
40°	2311.0	1067.9	445.9	450.5	460.4	470.3	452.0	435.2	456.6	455.0	456.6
42.5°	2403.2	1047.3	423.0	420.7	427.6	434.5	420.7	412.4	448.2	438.3	443.6
45°	2457.4	1028.2	404.0	390.3	400.9	413.1	404.0	393.3	405.5	359.8	356.0
47.5°	2493.9	1017.5	387.2	360.5	379.6	400.9	381.9	356.0	338.4	298.8	295.7
50°	2497.8	1012.2	367.4	330.0	354.4	377.3	355.2	319.4	294.2	276.7	274.4
52.5°	2517.6	1022.9	339.9	291.2	317.8	354.4	339.2	303.4	269.1	253.8	250.8
55°	2606.0	1067.9	294.2	237.8	276.7	336.9	326.2	270.6	237.8	228.7	226.4
57.5°	2697.5	1077.0	231.7	188.3	240.9	311.7	298.0	249.2	217.2	206.6	204.3
60°	2466.5	887.2	173.8	155.5	212.7	288.1	275.9	236.3	198.9	186.0	183.7
62.5°	1620.5	479.4	138.0	131.9	179.1	243.9	251.5	213.4	177.6	163.9	163.1
65°	747.0	222.6	105.9	104.4	140.2	194.4	216.5	186.7	150.2	138.0	138.0
67.5°	203.5	110.5	83.1	77.0	95.3	130.3	157.8	139.5	106.7	92.2	91.5
70°	101.4	89.2	74.7	66.3	68.6	80.8	93.0	77.7	54.1	44.2	43.4
72.5°	83.1	73.2	63.3	56.4	51.8	49.5	48.0	38.9	25.2	19.1	18.3
75°	61.7	52.6	45.0	36.6	31.3	29.0	25.9	19.1	10.7	6.1	5.3
77.5°	13.7	13.0	12.2	9.1	8.4	6.9	5.3	3.8	1.5	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	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)