

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: P632603

Luminaire Tested: GWS-SA2D-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632603
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5108.7 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

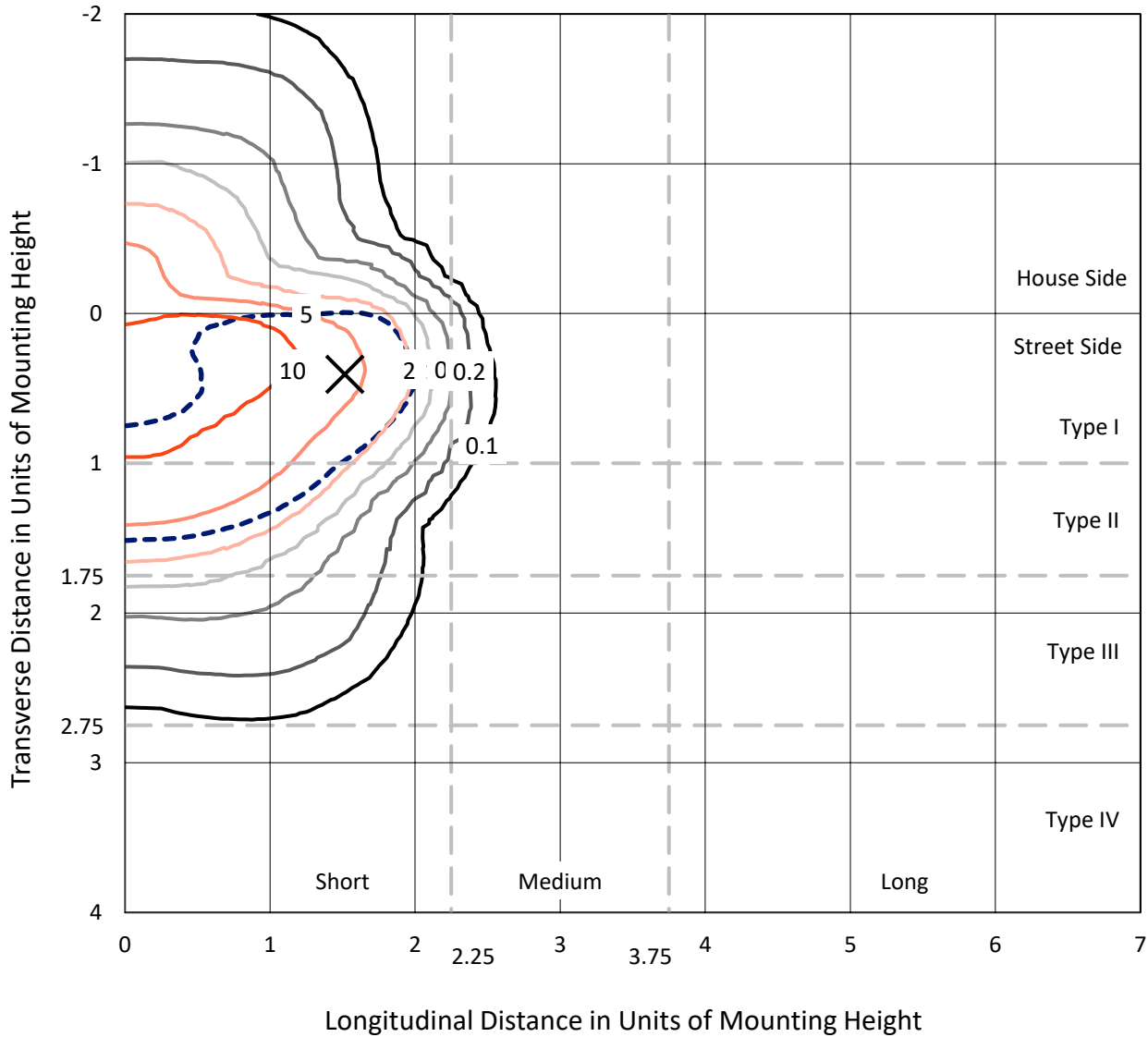
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

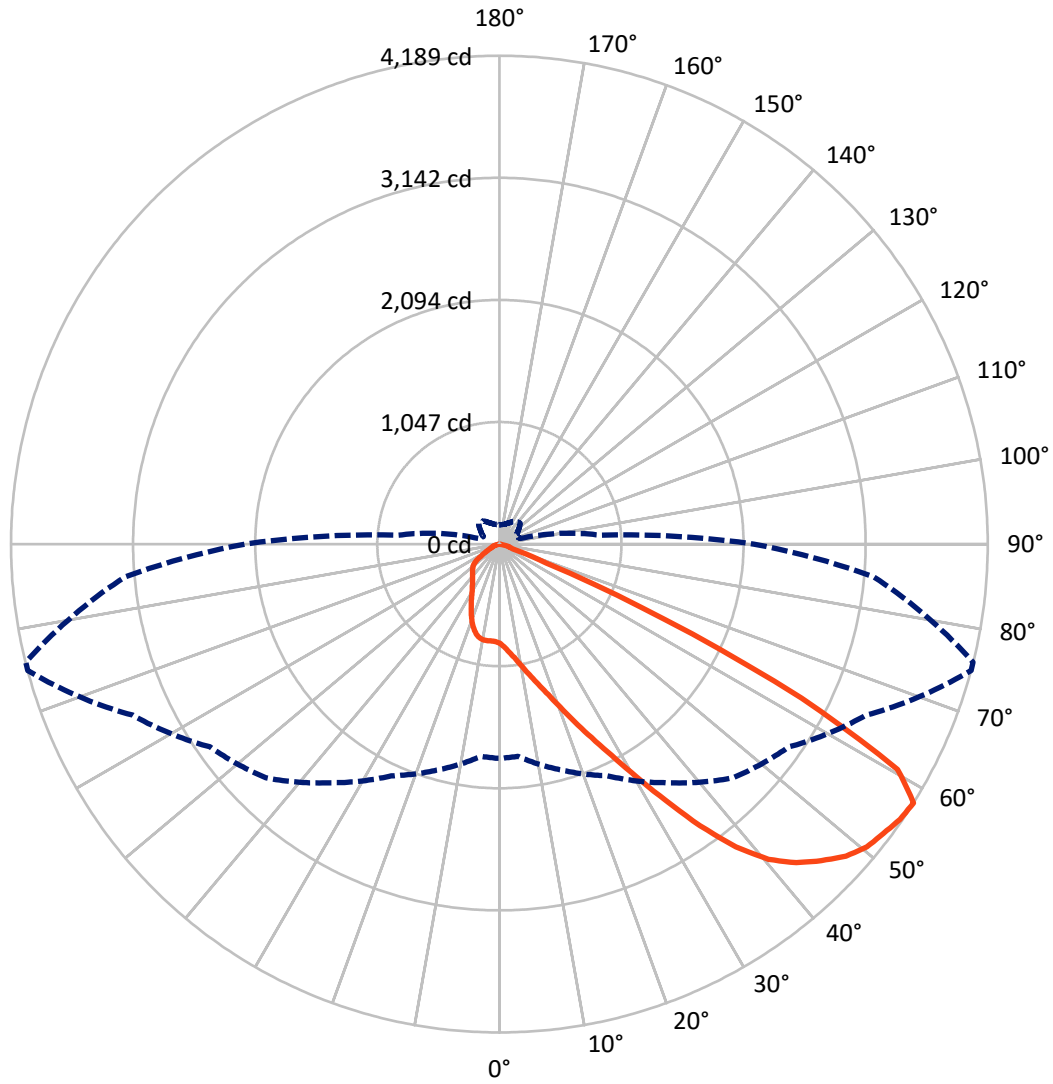
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.9 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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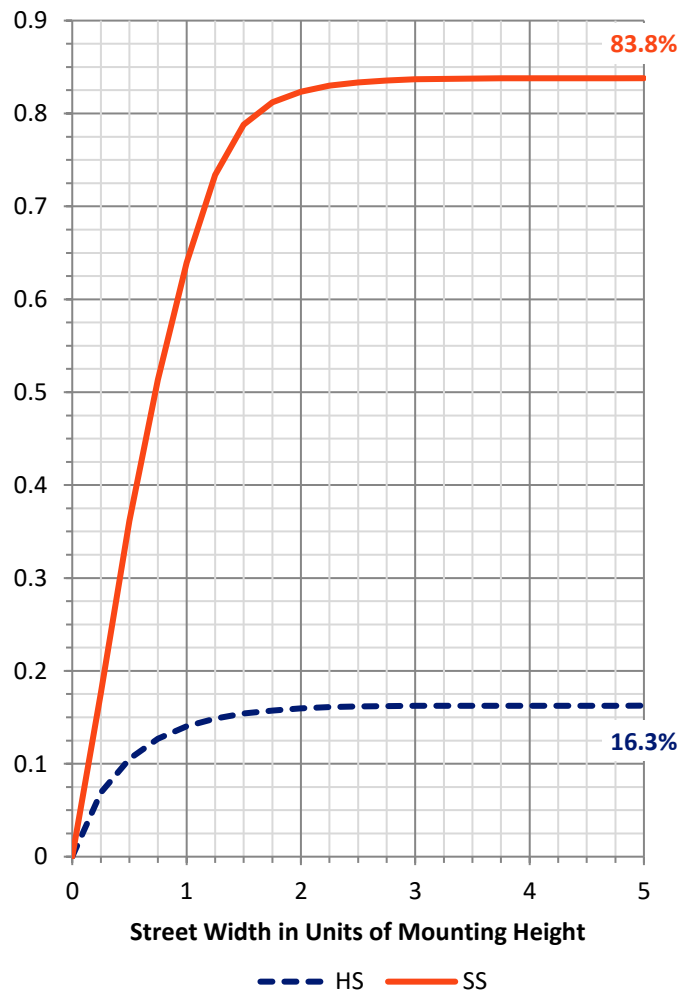
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	834.5	0.0	834.5
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	4274.2	0.0	4274.2
	% Fixture	83.7	0.0	83.7
Total	Lumens	5108.7	0.0	5108.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	1.7
10°-20°	281.7	5.5
20°-30°	515.8	10.1
30°-40°	855.7	16.8
40°-50°	1306.9	25.6
50°-60°	1468.5	28.7
60°-70°	541.7	10.6
70°-80°	51.8	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°	5108.7	100.0
0°-180°	5108.7	100.0

Coefficient of Utilization



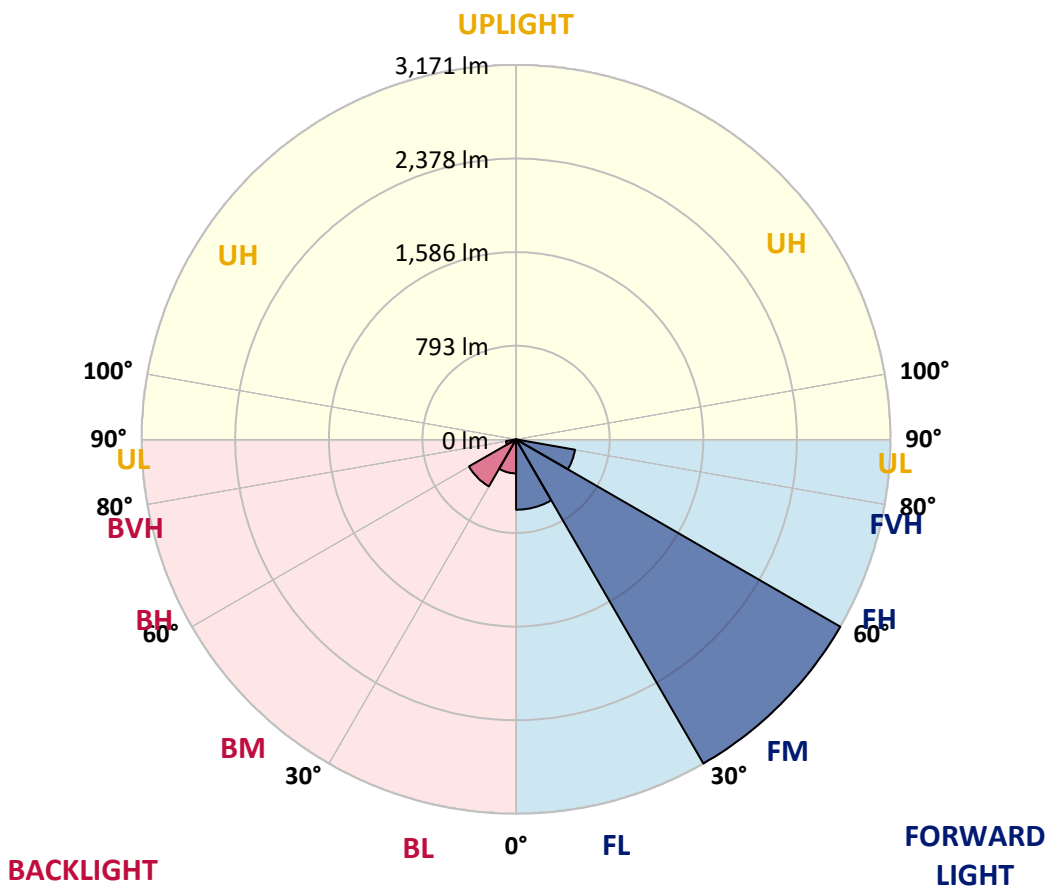
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	596.2	11.7			
FM (30°-60°)	3171.2	62.1			
FH (60°-80°)	506.8	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	288.0	5.6	B1/500		
BM (30°-60°)	459.9	9.0	B1/1000		
BH (60°-80°)	86.7	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°	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1
2.5°	951.9	961.8	958.7	952.6	948.9	935.9	927.9	904.5	887.8	886.0	870.6
5°	1072.2	1070.3	1067.8	1060.5	1054.3	1033.9	1009.9	970.4	935.3	931.0	898.3
7.5°	1138.1	1139.4	1140.6	1139.4	1135.1	1119.6	1093.1	1046.9	993.2	989.5	937.8
10°	1165.3	1167.7	1173.9	1185.6	1196.1	1194.9	1179.4	1132.0	1066.0	1059.8	990.2
12.5°	1178.2	1181.3	1191.2	1213.4	1241.7	1263.9	1266.4	1223.8	1151.1	1141.2	1052.4
15°	1196.1	1199.2	1211.5	1240.5	1281.8	1325.6	1353.9	1326.8	1245.4	1234.9	1120.9
17.5°	1204.1	1208.4	1226.3	1264.5	1318.2	1385.4	1449.5	1447.0	1357.0	1349.0	1200.4
20°	1219.5	1222.6	1238.6	1279.9	1344.7	1441.5	1549.4	1588.2	1493.3	1481.5	1296.6
22.5°	1268.2	1269.5	1276.9	1302.8	1363.2	1482.2	1651.1	1752.8	1654.2	1638.8	1404.5
25°	1347.8	1347.1	1350.2	1354.5	1398.9	1523.5	1749.1	1938.4	1838.5	1821.9	1526.6
27.5°	1448.9	1448.9	1456.3	1443.9	1461.8	1574.6	1845.9	2151.7	2053.1	2029.7	1660.3
30°	1567.9	1567.2	1584.5	1564.8	1570.3	1655.4	1950.1	2384.2	2312.0	2283.1	1814.5
32.5°	1729.4	1725.7	1745.4	1718.3	1699.8	1777.5	2077.1	2627.1	2622.2	2577.8	2008.1
35°	1933.5	1927.3	1933.5	1907.0	1873.7	1948.3	2243.6	2869.4	2966.2	2919.3	2238.7
37.5°	2136.3	2156.0	2162.8	2117.2	2090.1	2164.7	2444.0	3086.4	3294.8	3246.1	2478.5
40°	2375.5	2369.4	2392.8	2341.6	2324.4	2407.0	2640.0	3247.9	3555.0	3508.7	2691.8
42.5°	2551.9	2563.0	2591.9	2563.6	2550.0	2627.7	2804.6	3342.3	3735.6	3690.0	2844.1
45°	2763.3	2771.4	2782.5	2759.0	2744.8	2821.3	2923.6	3383.6	3873.1	3823.8	2946.5
47.5°	2992.1	2998.2	2998.2	2950.1	2904.5	2936.0	3003.2	3407.0	3999.5	3952.0	3022.3
50°	3156.1	3159.2	3186.3	3152.4	3053.1	3004.4	3039.5	3429.8	4083.4	4039.0	3046.9
52.5°	3010.6	3006.9	3096.3	3166.6	3193.1	3096.3	3102.4	3463.1	4124.0	4085.8	3066.7
55°	2535.2	2529.1	2654.8	2825.6	3059.3	3183.2	3178.3	3482.8	4169.1	4145.6	3138.2
57.5°	1837.9	1827.4	2002.5	2192.4	2498.8	2834.9	3032.1	3471.7	4188.8	4186.9	3221.4
60°	1104.8	1096.2	1261.4	1461.2	1698.0	2035.8	2363.2	3109.8	3924.9	3928.6	3005.0
62.5°	680.0	688.1	837.3	939.0	1027.2	1128.9	1318.2	2091.9	2907.6	2931.7	2111.7
65°	457.5	463.6	601.7	730.0	730.0	596.8	512.3	1000.0	1551.2	1510.5	998.8
67.5°	307.0	313.8	422.9	572.8	594.3	416.2	207.8	298.4	432.2	419.2	247.2
70°	180.6	188.0	281.8	392.7	432.8	289.8	138.7	126.4	122.7	119.0	96.2
72.5°	80.8	83.8	143.7	199.8	182.5	122.1	98.0	101.1	95.6	93.7	78.3
75°	24.7	25.9	37.0	43.2	43.8	43.8	59.2	79.5	75.2	75.8	60.4
77.5°	6.2	6.2	9.9	9.2	4.9	4.3	11.1	17.9	18.5	16.6	12.3
80°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
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°	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1
2.5°	863.8	847.7	837.3	822.5	812.0	800.9	791.0	783.0	778.7	777.5	778.1
5°	883.5	858.2	833.6	805.2	785.5	767.0	752.2	740.5	734.9	733.1	733.1
7.5°	913.7	878.6	834.8	790.4	757.1	728.1	710.9	697.9	693.0	691.8	688.1
10°	953.2	905.1	832.9	763.9	717.0	686.8	674.5	670.8	672.6	673.3	672.6
12.5°	1000.6	932.8	821.2	725.1	674.5	656.0	657.2	667.1	678.2	683.7	685.0
15°	1051.2	958.1	794.7	678.8	638.1	637.5	655.4	678.2	699.8	709.0	711.5
17.5°	1107.9	978.5	754.0	629.5	606.7	624.6	656.6	691.8	720.7	736.2	739.2
20°	1170.2	995.1	702.2	583.2	578.9	611.0	655.4	698.5	734.3	751.6	754.6
22.5°	1234.9	1006.8	642.4	540.7	553.7	595.6	643.7	685.6	719.5	739.2	741.7
25°	1308.9	1008.0	581.4	504.9	530.2	574.6	615.3	649.8	678.2	695.5	697.3
27.5°	1373.7	993.2	527.1	476.0	508.6	548.7	575.8	595.0	614.7	624.6	625.2
30°	1448.3	967.4	476.0	452.5	486.5	516.7	530.2	534.5	536.4	538.2	535.8
32.5°	1537.0	935.9	437.7	429.7	461.2	481.5	485.2	476.6	466.1	451.3	447.6
35°	1646.2	907.5	406.3	407.5	433.4	445.8	442.7	424.2	403.8	386.0	382.9
37.5°	1764.5	883.5	382.3	386.0	403.2	411.8	402.6	382.3	373.0	357.6	358.2
40°	1869.4	863.8	360.7	364.4	372.4	380.4	365.6	352.0	369.3	368.1	369.3
42.5°	1944.0	847.1	342.2	340.3	345.9	351.4	340.3	333.5	362.5	354.5	358.8
45°	1987.7	831.7	326.8	315.7	324.3	334.2	326.8	318.1	328.0	291.0	287.9
47.5°	2017.3	823.1	313.2	291.6	307.0	324.3	308.9	287.9	273.7	241.7	239.2
50°	2020.4	818.8	297.2	267.0	286.7	305.2	287.3	258.3	238.0	223.8	222.0
52.5°	2036.4	827.4	275.0	235.5	257.1	286.7	274.4	245.4	217.6	205.3	202.8
55°	2108.0	863.8	238.0	192.4	223.8	272.5	263.9	218.9	192.4	185.0	183.1
57.5°	2181.9	871.2	187.4	152.3	194.8	252.2	241.1	201.6	175.7	167.1	165.2
60°	1995.1	717.7	140.6	125.8	172.0	233.1	223.2	191.1	160.9	150.4	148.6
62.5°	1310.8	387.8	111.6	106.7	144.9	197.3	203.5	172.6	143.7	132.6	131.9
65°	604.2	180.0	85.7	84.5	113.4	157.2	175.1	151.1	121.5	111.6	111.6
67.5°	164.6	89.4	67.2	62.3	77.1	105.4	127.6	112.8	86.3	74.6	74.0
70°	82.0	72.1	60.4	53.6	55.5	65.4	75.2	62.9	43.8	35.8	35.1
72.5°	67.2	59.2	51.2	45.6	41.9	40.1	38.8	31.4	20.3	15.4	14.8
75°	49.9	42.5	36.4	29.6	25.3	23.4	21.0	15.4	8.6	4.9	4.3
77.5°	11.1	10.5	9.9	7.4	6.8	5.5	4.3	3.1	1.2	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	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)