

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: P634088

Luminaire Tested: GWS-SA3B-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634088
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-SA3B-722-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4551 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

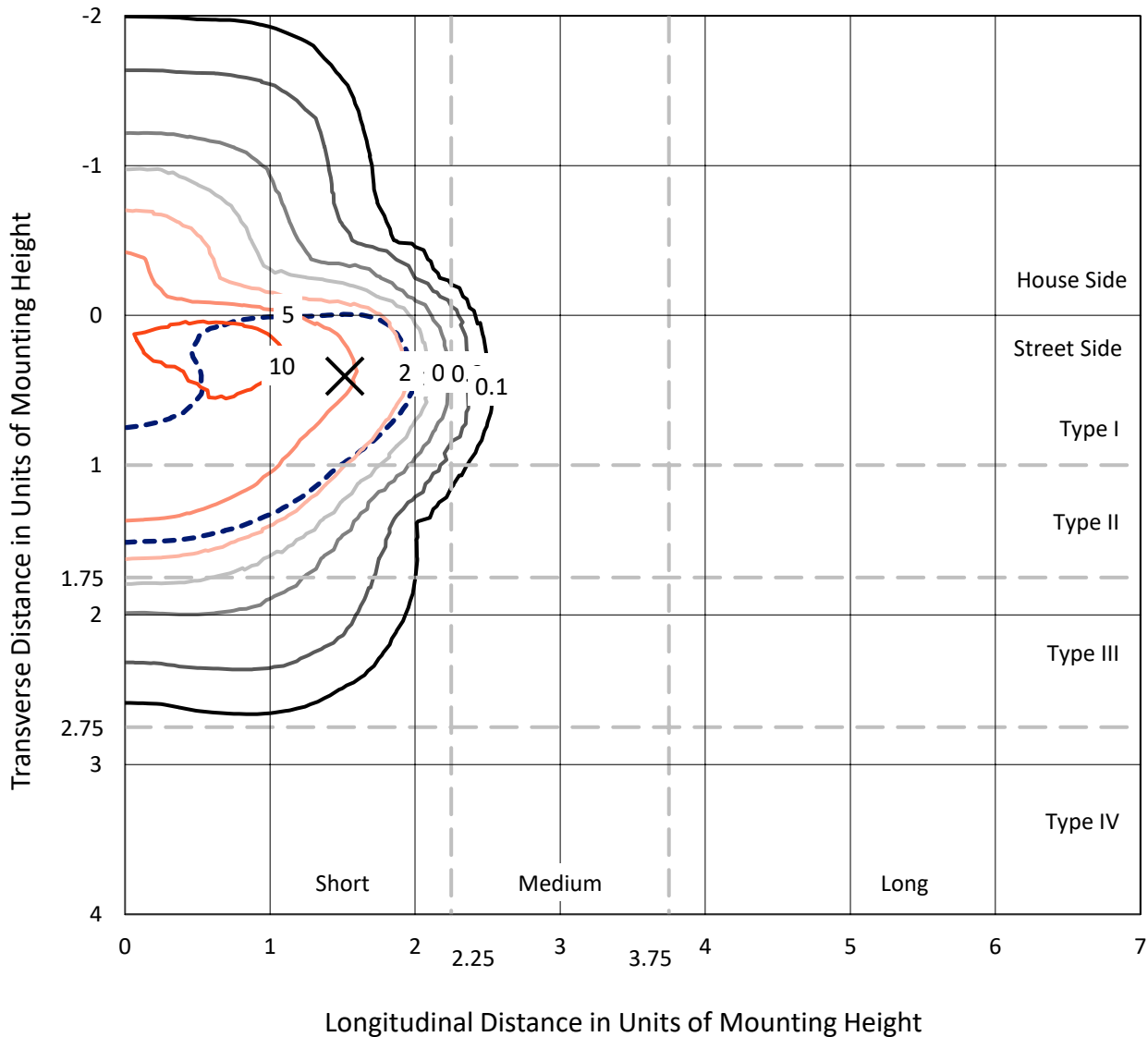
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

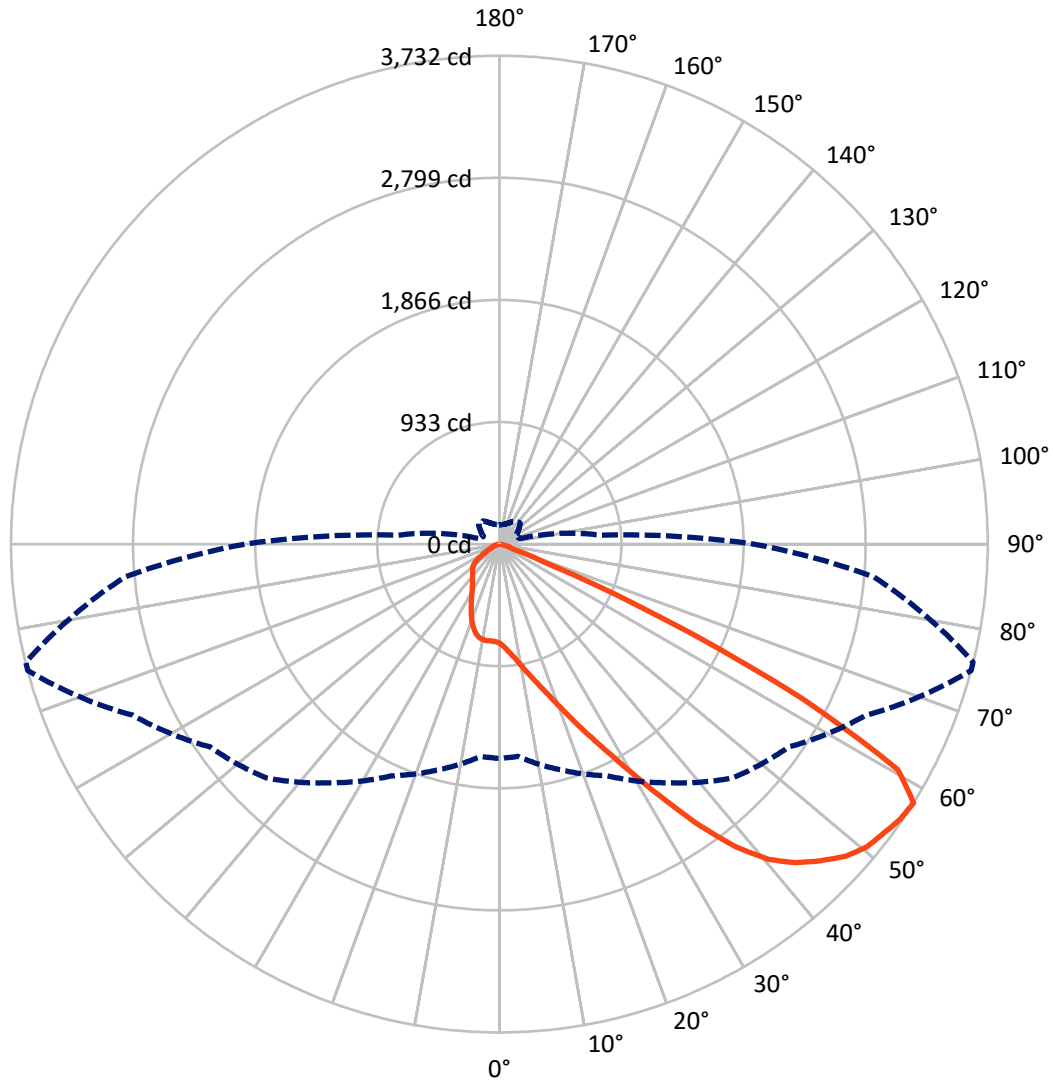
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 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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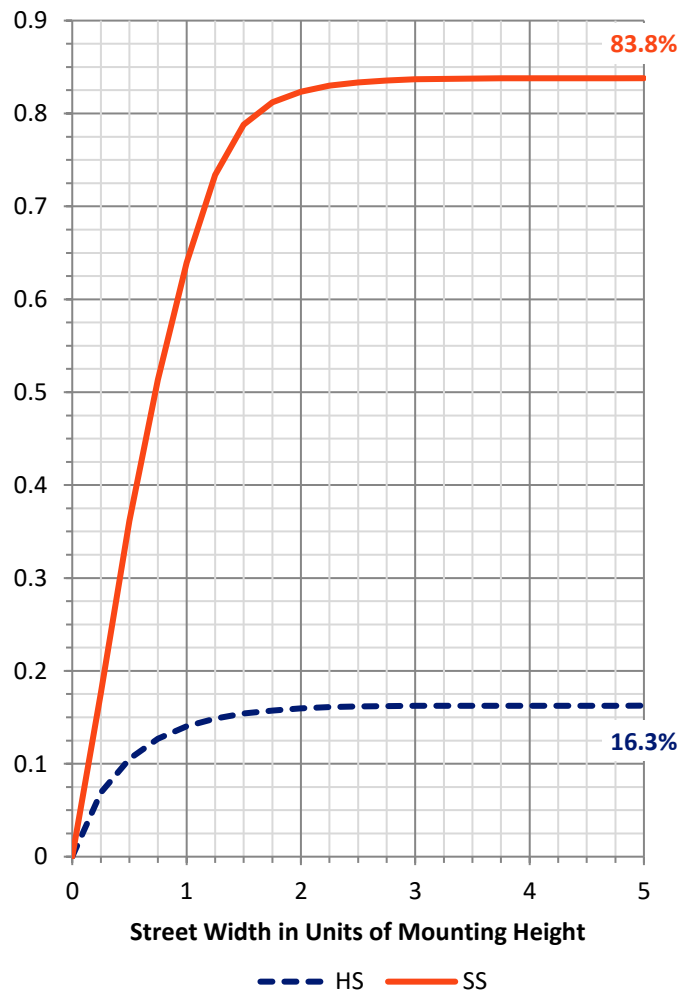
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	743.4	0.0	743.4
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	3807.6	0.0	3807.6
	% Fixture	83.7	0.0	83.7
Total	Lumens	4551.0	0.0	4551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	1.7
10°-20°	250.9	5.5
20°-30°	459.5	10.1
30°-40°	762.3	16.8
40°-50°	1164.2	25.6
50°-60°	1308.2	28.7
60°-70°	482.5	10.6
70°-80°	46.1	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°	4551.0	100.0
0°-180°	4551.0	100.0

Coefficient of Utilization



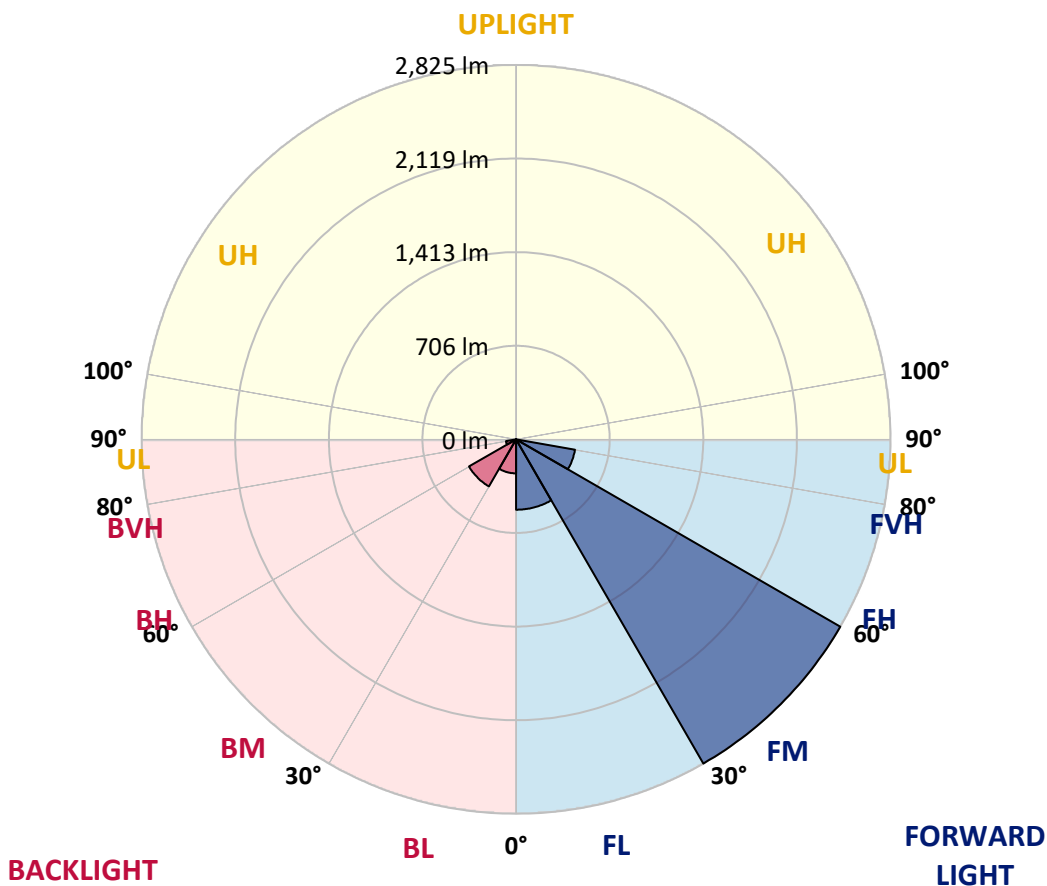
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.1	11.7			
FM (30°-60°)	2825.0	62.1			
FH (60°-80°)	451.4	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	256.5	5.6	B1/500		
BM (30°-60°)	409.7	9.0	B1/1000		
BH (60°-80°)	77.2	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°	759.0	759.0	759.0	759.0	759.0	759.0	759.0	759.0	759.0	759.0	759.0
2.5°	848.0	856.8	854.1	848.6	845.3	833.7	826.6	805.7	790.9	789.3	775.5
5°	955.1	953.5	951.3	944.7	939.2	921.1	899.6	864.5	833.2	829.3	800.2
7.5°	1013.9	1015.0	1016.1	1015.0	1011.1	997.4	973.8	932.6	884.8	881.5	835.4
10°	1038.1	1040.3	1045.7	1056.2	1065.5	1064.4	1050.7	1008.4	949.6	944.1	882.1
12.5°	1049.6	1052.3	1061.1	1080.9	1106.2	1125.9	1128.1	1090.2	1025.4	1016.6	937.5
15°	1065.5	1068.3	1079.2	1105.1	1141.9	1180.9	1206.1	1182.0	1109.5	1100.1	998.5
17.5°	1072.7	1076.5	1092.4	1126.5	1174.3	1234.1	1291.3	1289.1	1208.9	1201.7	1069.4
20°	1086.4	1089.1	1103.4	1140.2	1197.9	1284.1	1380.2	1414.8	1330.2	1319.8	1155.0
22.5°	1129.8	1130.9	1137.5	1160.5	1214.4	1320.4	1470.9	1561.5	1473.6	1459.9	1251.2
25°	1200.6	1200.1	1202.8	1206.7	1246.2	1357.2	1558.2	1726.8	1637.8	1623.0	1359.9
27.5°	1290.7	1290.7	1297.3	1286.3	1302.2	1402.7	1644.4	1916.8	1829.0	1808.1	1479.1
30°	1396.7	1396.2	1411.5	1394.0	1398.9	1474.7	1737.2	2123.9	2059.6	2033.8	1616.4
32.5°	1540.6	1537.3	1554.9	1530.7	1514.2	1583.4	1850.4	2340.3	2335.9	2296.4	1788.9
35°	1722.4	1716.9	1722.4	1698.8	1669.1	1735.6	1998.7	2556.1	2642.4	2600.6	1994.3
37.5°	1903.1	1920.7	1926.7	1886.1	1861.9	1928.4	2177.2	2749.5	2935.1	2891.7	2207.9
40°	2116.2	2110.7	2131.6	2086.0	2070.6	2144.2	2351.8	2893.4	3166.9	3125.7	2398.0
42.5°	2273.3	2283.2	2309.0	2283.7	2271.6	2340.8	2498.5	2977.4	3327.8	3287.2	2533.6
45°	2461.7	2468.8	2478.7	2457.8	2445.2	2513.3	2604.5	3014.2	3450.3	3406.4	2624.8
47.5°	2665.4	2670.9	2670.9	2628.1	2587.4	2615.5	2675.3	3035.1	3562.9	3520.6	2692.4
50°	2811.5	2814.3	2838.4	2808.2	2719.8	2676.4	2707.7	3055.4	3637.6	3598.0	2714.3
52.5°	2681.9	2678.6	2758.3	2820.9	2844.5	2758.3	2763.8	3085.1	3673.8	3639.8	2731.9
55°	2258.5	2253.0	2365.0	2517.1	2725.3	2835.7	2831.3	3102.6	3713.9	3693.1	2795.6
57.5°	1637.3	1627.9	1783.9	1953.1	2226.1	2525.4	2701.1	3092.7	3731.5	3729.9	2869.8
60°	984.2	976.5	1123.7	1301.7	1512.6	1813.6	2105.2	2770.3	3496.4	3499.7	2677.0
62.5°	605.8	612.9	745.9	836.5	915.0	1005.7	1174.3	1863.6	2590.2	2611.6	1881.1
65°	407.5	413.0	536.1	650.3	650.3	531.7	456.4	890.9	1381.9	1345.6	889.8
67.5°	273.5	279.6	376.8	510.2	529.5	370.7	185.1	265.8	385.0	373.5	220.2
70°	160.9	167.5	251.0	349.9	385.6	258.1	123.6	112.6	109.3	106.0	85.7
72.5°	71.9	74.7	128.0	178.0	162.6	108.7	87.3	90.1	85.1	83.5	69.8
75°	22.0	23.1	33.0	38.4	39.0	39.0	52.7	70.9	67.0	67.6	53.8
77.5°	5.5	5.5	8.8	8.2	4.4	3.8	9.9	15.9	16.5	14.8	11.0
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
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°	759.0	759.0	759.0	759.0	759.0	759.0	759.0	759.0	759.0	759.0	759.0
2.5°	769.5	755.2	745.9	732.7	723.3	713.5	704.7	697.5	693.7	692.6	693.1
5°	787.1	764.5	742.6	717.3	699.7	683.2	670.1	659.6	654.7	653.0	653.0
7.5°	814.0	782.7	743.7	704.1	674.5	648.6	633.3	621.7	617.3	616.2	612.9
10°	849.1	806.3	742.0	680.5	638.8	611.8	600.9	597.6	599.2	599.8	599.2
12.5°	891.4	831.0	731.6	645.9	600.9	584.4	585.5	594.3	604.2	609.1	610.2
15°	936.4	853.5	708.0	604.7	568.5	567.9	583.8	604.2	623.4	631.6	633.8
17.5°	987.0	871.6	671.7	560.8	540.4	556.4	584.9	616.2	642.1	655.8	658.5
20°	1042.4	886.5	625.6	519.6	515.7	544.3	583.8	622.3	654.1	669.5	672.3
22.5°	1100.1	896.9	572.3	481.7	493.2	530.6	573.4	610.7	641.0	658.5	660.7
25°	1166.0	898.0	517.9	449.8	472.3	511.9	548.1	578.9	604.2	619.5	621.2
27.5°	1223.7	884.8	469.6	424.0	453.1	488.8	513.0	530.0	547.6	556.4	556.9
30°	1290.2	861.8	424.0	403.1	433.3	460.3	472.3	476.2	477.8	479.5	477.3
32.5°	1369.2	833.7	390.0	382.8	410.8	429.0	432.2	424.6	415.2	402.0	398.7
35°	1466.5	808.5	361.9	363.0	386.1	397.1	394.4	377.9	359.7	343.8	341.1
37.5°	1571.9	787.1	340.5	343.8	359.2	366.9	358.7	340.5	332.3	318.6	319.1
40°	1665.3	769.5	321.3	324.6	331.7	338.9	325.7	313.6	329.0	327.9	329.0
42.5°	1731.7	754.6	304.8	303.2	308.1	313.1	303.2	297.1	323.0	315.8	319.7
45°	1770.7	740.9	291.1	281.2	288.9	297.7	291.1	283.4	292.2	259.2	256.5
47.5°	1797.1	733.2	279.0	259.8	273.5	288.9	275.2	256.5	243.9	215.3	213.1
50°	1799.8	729.4	264.7	237.8	255.4	271.9	255.9	230.1	212.0	199.4	197.7
52.5°	1814.1	737.1	245.0	209.8	229.0	255.4	244.4	218.6	193.9	182.9	180.7
55°	1877.8	769.5	212.0	171.4	199.4	242.8	235.1	195.0	171.4	164.8	163.1
57.5°	1943.7	776.1	167.0	135.7	173.6	224.6	214.8	179.6	156.5	148.8	147.2
60°	1777.3	639.3	125.2	112.0	153.2	207.6	198.8	170.3	143.4	134.0	132.4
62.5°	1167.7	345.5	99.4	95.0	129.1	175.8	181.2	153.8	128.0	118.1	117.5
65°	538.3	160.4	76.3	75.2	101.1	140.1	156.0	134.6	108.2	99.4	99.4
67.5°	146.6	79.6	59.9	55.5	68.7	93.9	113.7	100.5	76.9	66.5	65.9
70°	73.0	64.3	53.8	47.8	49.4	58.2	67.0	56.0	39.0	31.9	31.3
72.5°	59.9	52.7	45.6	40.6	37.3	35.7	34.6	28.0	18.1	13.7	13.2
75°	44.5	37.9	32.4	26.4	22.5	20.9	18.7	13.7	7.7	4.4	3.8
77.5°	9.9	9.3	8.8	6.6	6.0	4.9	3.8	2.7	1.1	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	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)