

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: P634092

Luminaire Tested: GWS-SA3B-722-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY 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: 5136 lumens
Efficiency: N/A
Efficacy: 75.2 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

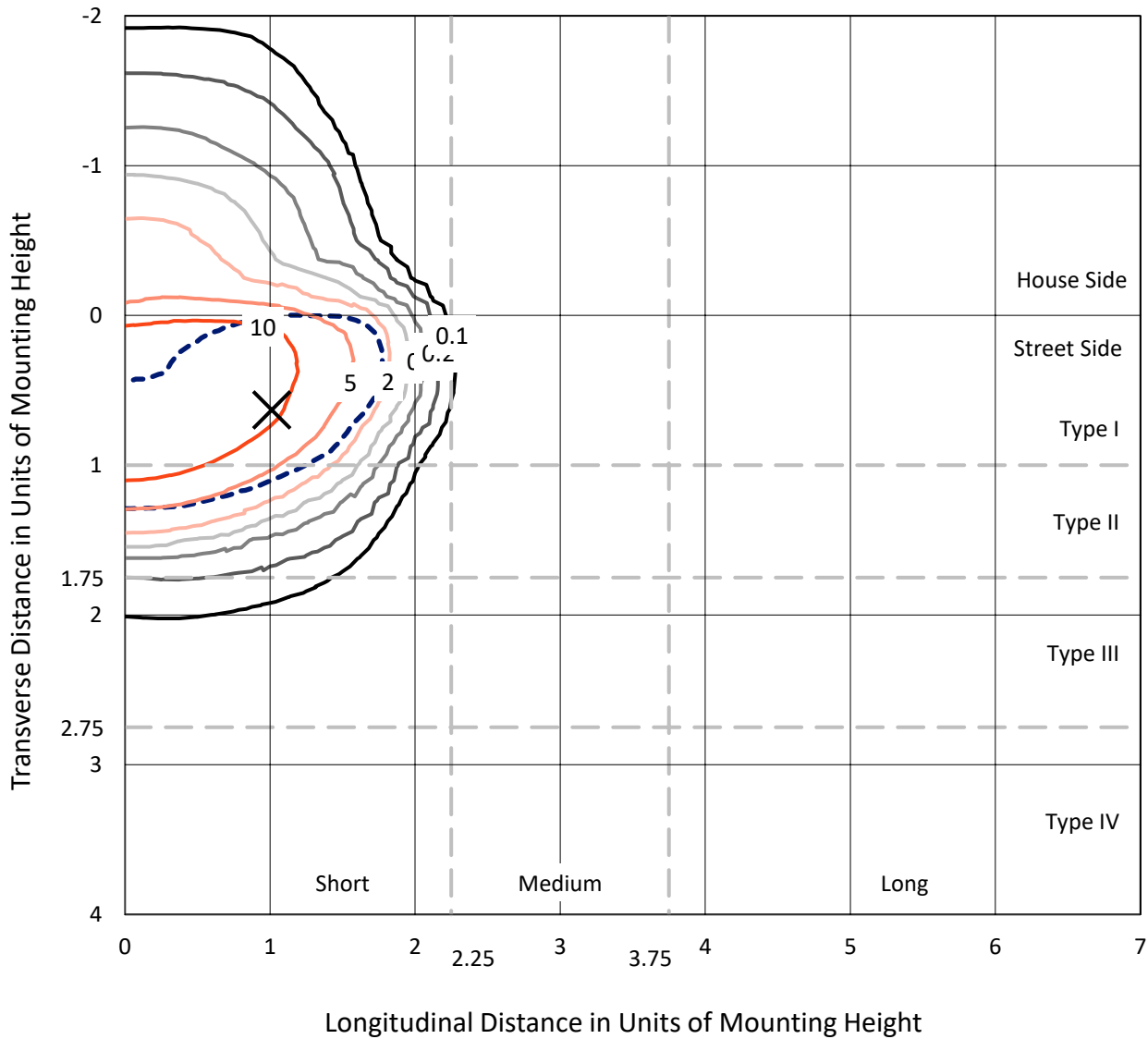
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

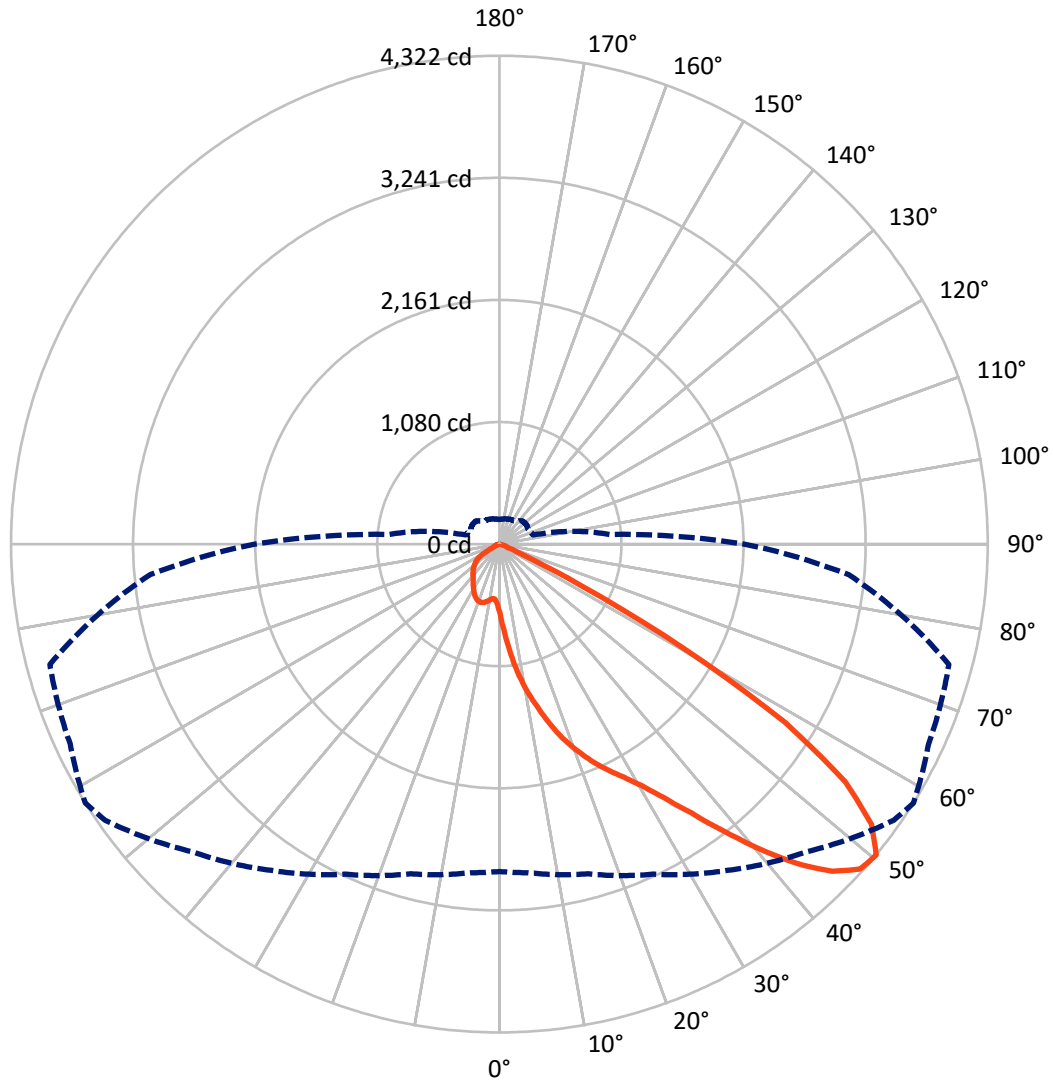
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical



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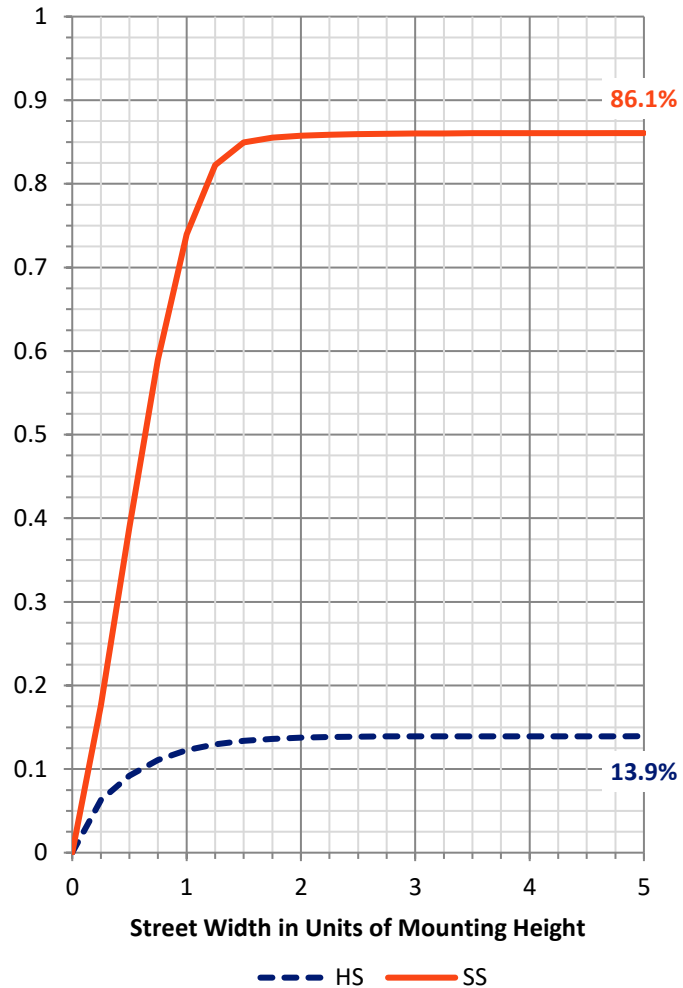
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	719.4	0.0	719.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	4416.6	0.0	4416.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	5136.0	0.0	5136.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	1.5
10°-20°	300.9	5.9
20°-30°	608.8	11.9
30°-40°	1077.1	21.0
40°-50°	1570.1	30.6
50°-60°	1258.5	24.5
60°-70°	226.7	4.4
70°-80°	17.9	0.3
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°	5136.0	100.0
0°-180°	5136.0	100.0

Coefficient of Utilization



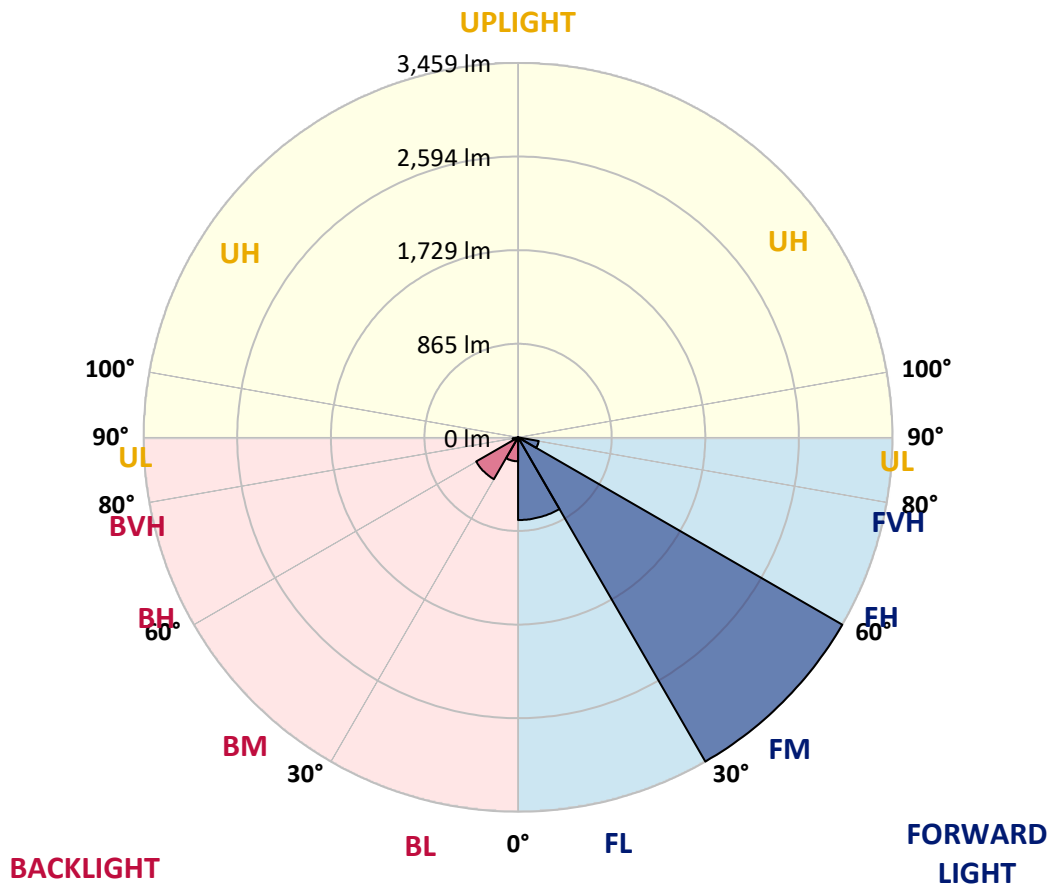
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	764.2	14.9			
FM (30°-60°)	3458.9	67.3			
FH (60°-80°)	193.5	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	221.5	4.3	B1/500		
BM (30°-60°)	446.8	8.7	B1/1000		
BH (60°-80°)	51.1	1.0	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°	58°	65°	75°	85°
0°	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5
2.5°	907.9	893.6	885.4	878.8	849.7	803.5	773.3	757.4	731.0	686.5	648.1
5°	1184.7	1174.2	1155.0	1141.8	1104.5	1039.1	971.6	944.7	884.8	784.3	694.2
7.5°	1368.1	1360.4	1353.3	1335.7	1300.6	1241.3	1166.6	1138.5	1046.3	903.5	755.7
10°	1509.3	1503.2	1495.0	1494.4	1467.0	1413.7	1340.7	1311.6	1211.6	1033.1	828.2
12.5°	1633.4	1628.5	1626.8	1642.2	1624.6	1585.1	1506.0	1469.7	1363.7	1165.5	908.4
15°	1718.5	1717.4	1724.6	1754.8	1764.7	1746.5	1680.1	1641.1	1519.2	1298.4	996.8
17.5°	1757.5	1760.8	1774.6	1826.7	1870.7	1886.0	1835.0	1802.0	1673.5	1432.9	1091.3
20°	1824.0	1822.9	1831.1	1880.6	1934.4	1989.3	1973.9	1945.9	1829.5	1575.2	1196.2
22.5°	2011.3	1995.3	1977.8	1985.5	2004.7	2068.9	2097.5	2083.2	1990.4	1721.3	1304.4
25°	2299.1	2282.6	2226.0	2171.1	2134.8	2164.0	2202.9	2210.1	2150.2	1871.2	1417.6
27.5°	2604.4	2589.6	2525.9	2443.5	2339.7	2289.2	2318.3	2332.6	2307.3	2049.7	1537.8
30°	2890.6	2870.8	2801.1	2698.9	2578.6	2501.2	2468.2	2478.1	2492.9	2261.2	1679.0
32.5°	3138.8	3124.0	3040.5	2932.9	2817.0	2736.2	2659.4	2675.8	2712.1	2519.9	1859.7
35°	3349.2	3341.5	3253.1	3146.0	3023.5	2982.3	2916.4	2919.7	2955.9	2832.4	2079.9
37.5°	3532.1	3518.9	3438.7	3339.3	3242.1	3235.5	3217.4	3219.0	3237.7	3196.5	2333.1
40°	3647.4	3635.3	3578.2	3516.7	3447.5	3448.6	3542.5	3549.7	3528.2	3554.0	2600.6
42.5°	3690.8	3682.0	3651.3	3651.8	3644.7	3677.1	3853.4	3866.6	3789.7	3834.7	2829.1
45°	3615.6	3611.7	3613.9	3693.0	3778.7	3878.6	4107.7	4130.7	4022.0	4020.9	3007.6
47.5°	3372.8	3365.1	3429.4	3563.9	3762.2	3956.6	4261.5	4297.2	4184.6	4127.4	3119.6
50°	2897.2	2919.1	3020.7	3222.9	3524.4	3849.5	4259.8	4321.9	4190.6	4118.1	3100.9
52.5°	2098.6	2094.2	2316.6	2594.5	2961.4	3506.8	4033.5	4124.1	4044.0	4026.4	3059.2
55°	1141.8	1181.9	1331.9	1699.9	2157.9	2858.2	3516.7	3714.4	3807.2	3992.9	3134.4
57.5°	419.6	437.2	531.1	791.4	1142.4	1777.3	2686.3	2984.5	3271.2	3899.5	3121.8
60°	169.2	172.5	209.8	291.1	480.0	904.6	1611.4	1876.2	2146.4	2985.0	2395.7
62.5°	123.0	127.4	142.2	170.3	242.8	395.4	694.8	807.9	883.2	1478.5	1180.3
65°	99.4	102.7	114.8	127.4	160.4	212.6	224.1	215.8	214.7	382.3	270.8
67.5°	82.4	85.7	94.5	103.3	115.3	106.0	76.9	80.7	65.9	65.4	53.3
70°	60.4	64.3	73.0	82.4	69.2	28.6	44.5	65.9	50.0	41.7	40.6
72.5°	45.6	48.3	56.6	53.8	20.3	11.0	29.7	47.8	38.4	30.8	30.2
75°	34.1	35.7	28.6	8.8	2.2	2.7	11.0	19.8	21.4	17.6	17.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.6	2.2	2.7	3.3
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5
2.5°	626.1	603.1	570.1	542.6	521.8	501.4	486.1	470.7	470.1	462.4	460.8
5°	652.5	610.7	550.3	506.9	480.6	464.6	453.7	448.2	445.4	442.7	441.6
7.5°	690.4	630.5	547.0	500.9	478.9	468.5	460.8	457.5	455.9	453.7	453.1
10°	737.1	659.1	559.1	512.4	493.2	483.3	475.1	470.1	467.4	463.5	462.4
12.5°	793.1	694.2	578.3	531.7	511.3	498.1	487.2	480.0	476.2	471.2	470.1
15°	853.5	732.1	599.8	549.2	525.1	508.0	494.3	483.3	476.2	470.1	468.5
17.5°	916.1	770.6	619.0	561.3	531.7	511.3	491.6	476.7	467.9	460.3	458.1
20°	986.4	810.1	631.6	563.5	529.5	502.5	479.5	460.8	452.0	441.6	439.4
22.5°	1060.0	846.9	637.1	558.6	517.4	486.1	461.4	442.1	429.5	418.5	415.2
25°	1131.4	879.9	634.4	544.8	499.2	463.0	437.7	418.0	404.2	393.2	390.5
27.5°	1207.2	907.3	624.5	524.5	474.5	437.7	413.6	396.5	383.9	371.8	369.1
30°	1292.3	932.6	608.5	499.8	445.4	411.9	393.2	381.7	368.0	355.3	351.5
32.5°	1395.0	955.1	585.5	470.1	419.6	389.4	379.0	370.2	354.3	341.1	338.3
35°	1512.6	973.8	556.4	439.4	394.3	375.1	372.9	361.4	340.5	325.1	321.8
37.5°	1648.8	991.9	521.8	409.2	375.7	368.5	369.1	349.3	324.0	305.4	303.2
40°	1795.4	1010.0	483.3	382.8	358.6	364.7	359.7	331.7	290.5	272.4	270.2
42.5°	1948.1	1029.8	444.3	358.1	344.4	349.9	342.7	296.6	266.9	257.6	256.5
45°	2086.0	1053.4	402.0	333.4	330.1	328.4	316.4	268.6	255.9	249.3	248.8
47.5°	2185.4	1049.6	357.0	309.8	314.7	309.2	272.4	255.4	245.0	236.2	234.0
50°	2167.2	982.6	310.3	283.4	294.9	290.0	245.0	240.0	230.7	221.3	218.0
52.5°	2121.1	891.4	269.7	255.4	273.5	262.0	226.3	221.3	213.1	201.0	197.2
55°	2145.8	805.7	237.8	232.9	251.5	216.9	205.4	197.7	188.9	175.8	174.1
57.5°	2066.2	657.4	191.1	194.4	222.4	185.1	180.1	168.1	153.2	144.4	143.3
60°	1430.2	353.2	119.7	123.6	160.9	155.4	161.5	150.5	132.4	124.1	122.5
62.5°	656.9	141.7	65.4	62.6	84.6	105.5	138.4	137.3	114.8	101.6	100.5
65°	159.3	64.8	46.7	43.9	47.8	63.2	90.1	108.2	92.8	77.4	75.8
67.5°	51.6	52.7	42.8	40.1	42.3	47.2	53.8	59.9	59.3	54.4	53.3
70°	41.2	47.8	39.5	36.2	36.2	37.9	36.2	29.1	25.3	27.5	28.6
72.5°	30.8	36.2	31.3	28.0	26.9	26.4	22.5	16.5	11.5	10.4	9.9
75°	18.1	20.3	19.2	16.5	15.4	13.7	11.0	7.1	3.8	2.7	1.6
77.5°	3.3	3.8	4.4	3.3	2.7	2.2	1.6	0.5	0.0	0.0	0.0
80°	0.0	0.5	0.5	0.5	0.0	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)