

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: P634062

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE 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: 5770.4 lumens
Efficiency: N/A
Efficacy: 84.5 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

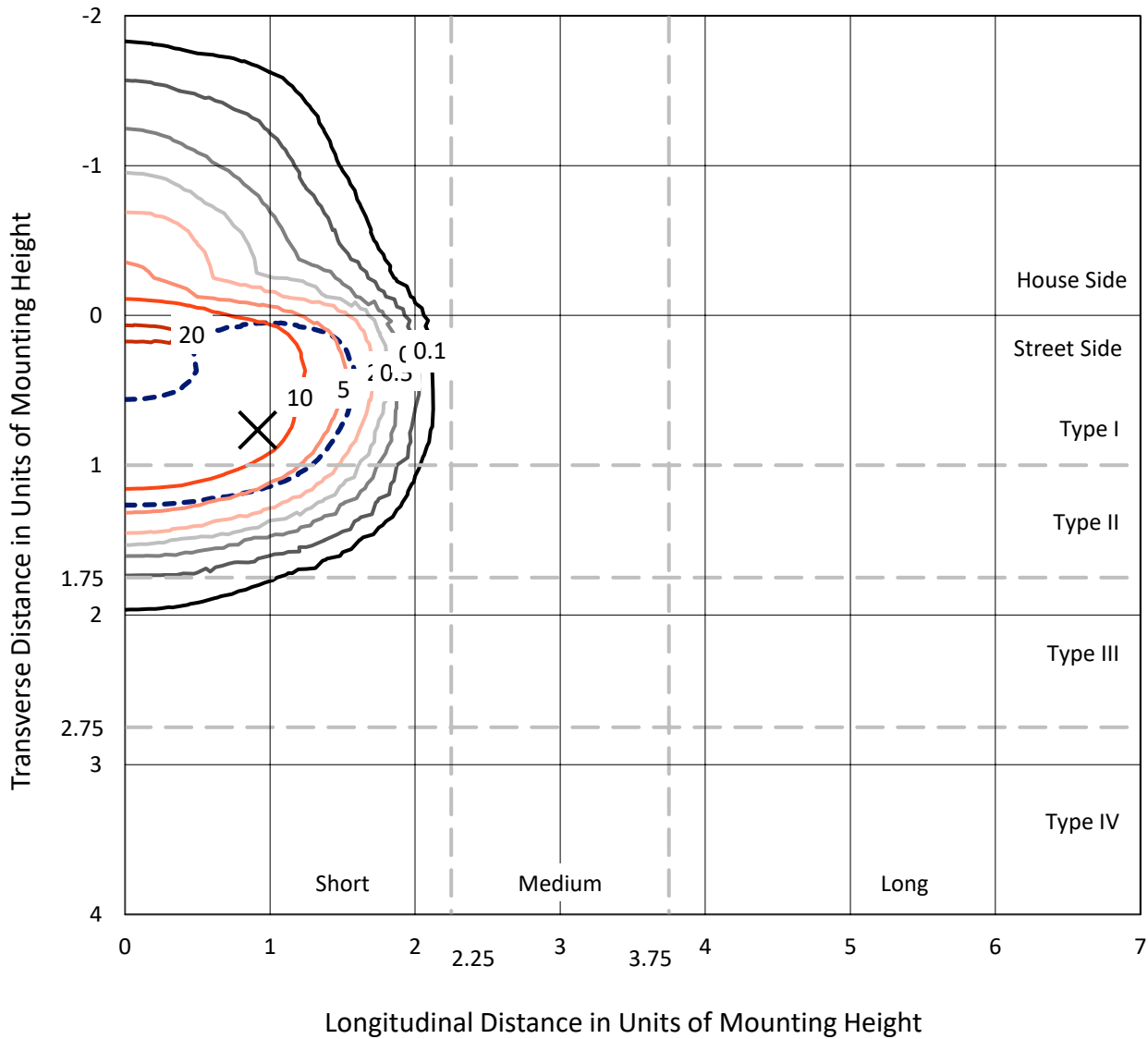
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

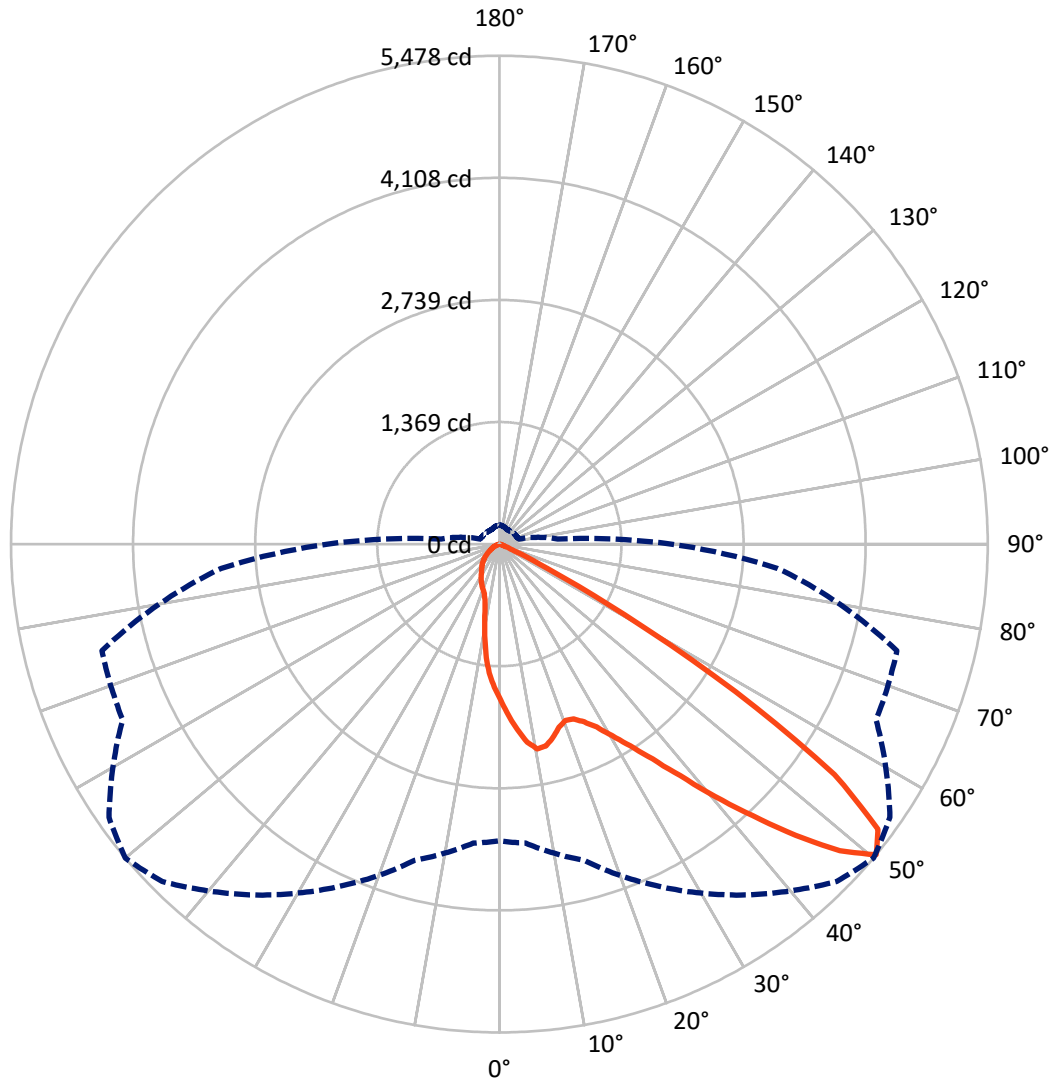
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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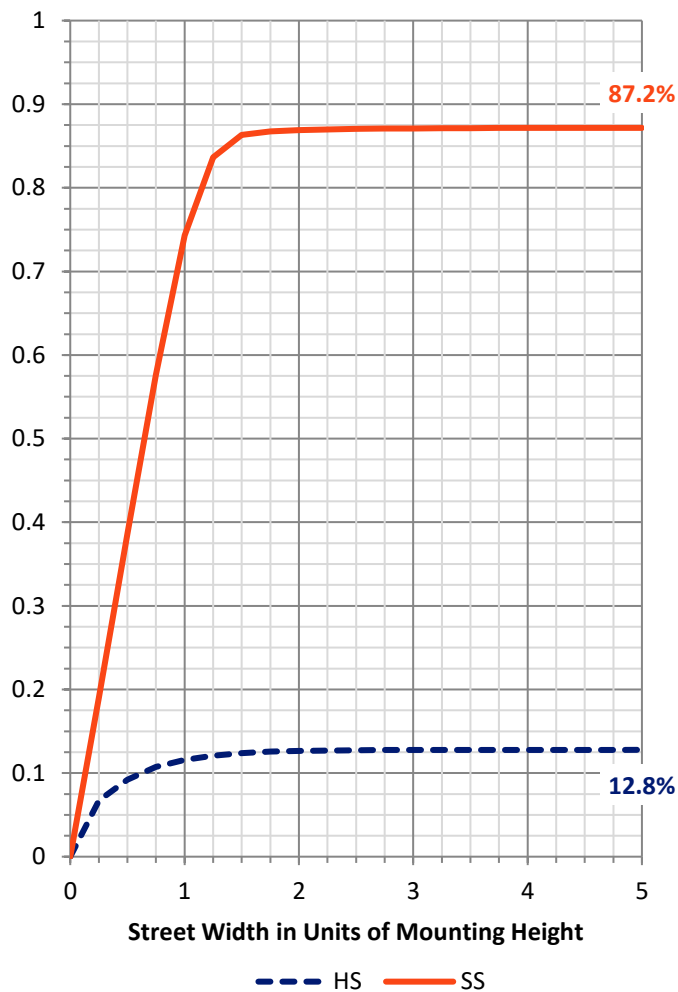
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	741.4	0.0	741.4
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	5029.0	0.0	5029.0
	% Fixture	87.2	0.0	87.2
Total	Lumens	5770.4	0.0	5770.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.2	2.8
10°-20°	418.4	7.3
20°-30°	690.5	12.0
30°-40°	1139.5	19.7
40°-50°	1803.0	31.2
50°-60°	1365.1	23.7
60°-70°	170.8	3.0
70°-80°	19.3	0.3
80°-90°	1.5	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°	5770.4	100.0
0°-180°	5770.4	100.0

Coefficient of Utilization



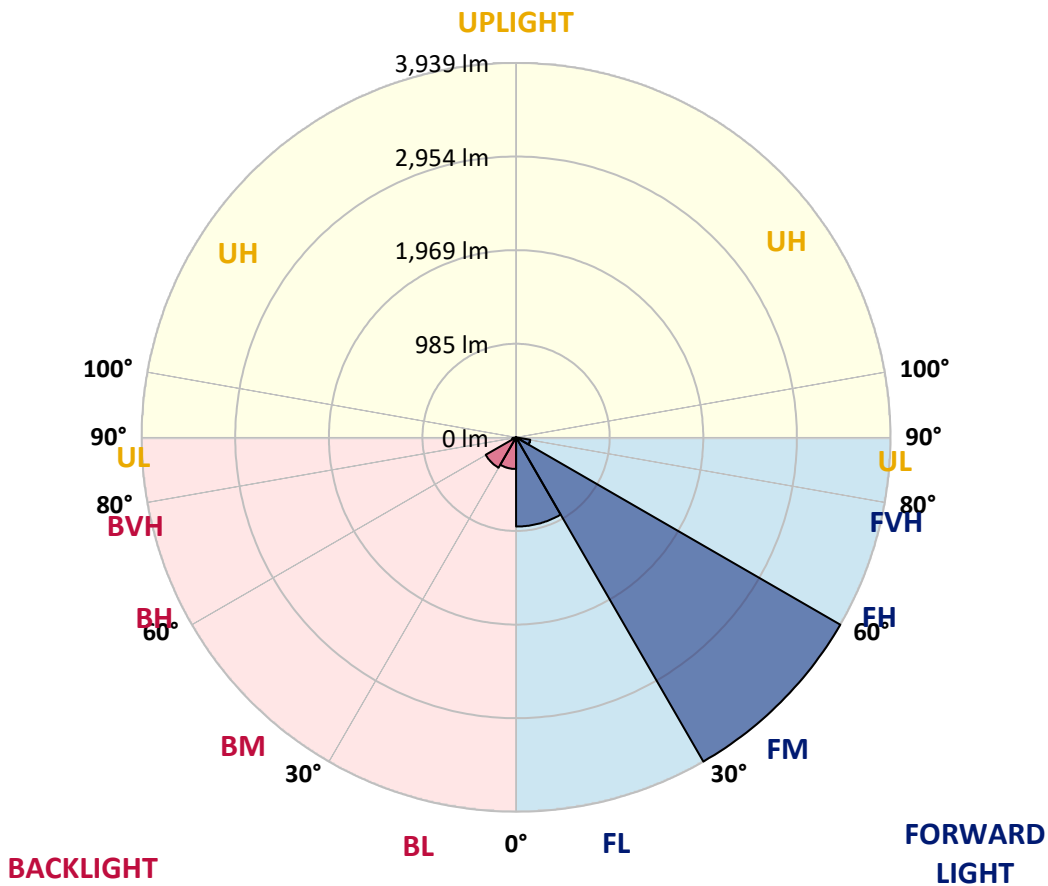
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	938.4	16.3			
FM (30°-60°)	3938.9	68.3			
FH (60°-80°)	151.0	2.6			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	332.8	5.8	B1/500		
BM (30°-60°)	368.7	6.4	B1/1000		
BH (60°-80°)	39.1	0.7	B0/110		G0/110
BVH (80°-90°)	0.8	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°	50°	55°	65°	75°	85°
0°	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2
2.5°	1992.1	2008.0	2003.6	1982.7	1960.2	1944.3	1919.6	1911.9	1855.9	1816.9	1775.7
5°	2232.6	2237.6	2232.1	2206.8	2167.3	2129.4	2088.7	2065.1	1971.2	1886.6	1800.4
7.5°	2290.3	2284.3	2294.7	2307.3	2301.8	2285.3	2242.5	2216.7	2104.7	1966.8	1836.1
10°	2110.1	2096.4	2135.4	2200.8	2269.4	2346.9	2335.9	2338.1	2234.8	2067.9	1882.8
12.5°	1871.2	1865.7	1894.8	1970.6	2105.2	2281.0	2323.2	2394.1	2354.0	2177.2	1936.0
15°	1766.3	1769.1	1786.6	1834.4	1931.1	2149.7	2251.3	2379.3	2460.6	2283.2	1994.8
17.5°	1782.3	1792.1	1791.6	1807.5	1866.3	2041.5	2160.1	2332.6	2542.9	2405.1	2062.4
20°	1890.5	1900.3	1885.5	1873.4	1893.2	2014.0	2112.3	2285.3	2598.4	2528.1	2133.8
22.5°	2052.5	2064.0	2028.9	1994.3	1981.6	2059.1	2130.5	2266.1	2640.7	2640.7	2197.5
25°	2248.6	2264.5	2210.1	2148.6	2113.4	2154.1	2207.9	2309.5	2684.1	2741.8	2240.9
27.5°	2467.7	2468.2	2421.6	2352.4	2286.4	2291.4	2323.8	2407.3	2731.9	2850.5	2274.9
30°	2714.3	2715.9	2653.9	2570.9	2488.0	2465.5	2493.0	2556.1	2831.3	2987.3	2322.1
32.5°	3032.9	3040.5	2951.6	2829.6	2722.0	2679.7	2695.6	2762.1	2989.5	3158.6	2393.0
35°	3463.4	3471.7	3340.4	3179.5	3008.1	2944.4	2960.4	3027.4	3218.5	3401.9	2506.1
37.5°	3888.6	3899.5	3766.6	3616.7	3381.6	3276.2	3292.6	3356.3	3562.3	3738.1	2687.4
40°	4182.4	4197.2	4156.0	4055.0	3836.9	3698.5	3718.3	3741.4	3940.7	4140.1	2922.5
42.5°	4337.3	4358.1	4375.7	4427.3	4312.6	4196.7	4163.2	4164.8	4325.7	4549.8	3166.9
45°	4346.6	4366.9	4457.0	4656.4	4743.7	4719.5	4658.6	4617.4	4619.6	4822.8	3319.6
47.5°	4044.5	4082.4	4251.0	4641.5	4970.0	5170.5	5139.7	5041.9	4743.2	4840.9	3303.1
50°	3328.9	3366.2	3672.7	4234.6	4805.2	5350.6	5477.5	5346.2	4662.4	4615.2	3133.4
52.5°	2417.7	2421.6	2620.4	3276.7	4137.4	5018.3	5317.1	5304.5	4539.4	4341.7	2901.6
55°	1148.4	1134.7	1358.2	1849.3	2861.5	4058.8	4562.5	4705.3	4364.7	4143.9	2722.0
57.5°	334.5	341.1	440.5	721.7	1431.3	2594.0	3124.6	3390.4	3582.6	3406.9	2111.2
60°	149.9	150.5	167.5	219.7	476.7	1206.7	1615.3	1944.3	2142.0	1984.9	1047.4
62.5°	108.7	109.3	115.9	124.1	162.0	408.6	605.8	807.4	822.2	538.2	265.3
65°	90.6	90.6	91.7	91.7	97.2	146.1	184.0	237.3	199.9	148.3	103.8
67.5°	73.0	73.6	74.7	74.7	73.0	73.0	79.1	86.8	92.8	114.8	95.6
70°	57.1	56.6	56.6	57.1	55.5	47.2	51.1	58.2	63.7	89.5	82.9
72.5°	44.5	45.0	44.5	42.3	38.4	28.0	30.2	37.9	40.6	56.0	56.0
75°	33.5	34.1	31.9	24.2	15.9	8.8	11.5	18.7	23.6	27.5	20.3
77.5°	4.4	4.4	3.3	3.3	2.7	3.3	3.3	4.4	6.6	6.6	4.9
80°	0.5	0.5	0.5	1.1	1.6	2.2	2.2	2.2	2.2	2.7	2.7
82.5°	0.5	0.5	0.5	0.5	1.6	1.6	2.2	2.2	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.5	1.1	1.6	1.6	2.2	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.5	1.1	1.6	1.6	1.6	2.2	2.2	2.2
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°	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2
2.5°	1750.9	1719.1	1680.6	1654.3	1616.9	1592.2	1557.1	1533.5	1513.1	1497.2	1506.0
5°	1751.5	1701.0	1622.4	1555.4	1482.4	1415.4	1343.4	1286.8	1235.8	1212.7	1225.3
7.5°	1762.5	1690.0	1569.7	1450.5	1310.5	1172.1	1042.4	937.0	884.8	860.1	867.8
10°	1783.9	1685.0	1510.9	1313.2	1085.8	896.9	771.1	699.7	670.6	655.2	658.0
12.5°	1803.7	1681.7	1434.6	1132.5	856.8	695.9	630.5	620.6	626.7	627.2	626.7
15°	1830.6	1675.7	1340.1	946.9	685.4	601.4	603.1	617.3	631.6	636.0	634.9
17.5°	1859.1	1666.4	1218.2	768.9	581.6	573.9	593.2	612.4	626.7	628.9	629.4
20°	1888.8	1647.1	1079.2	627.8	533.3	553.1	574.5	588.8	599.2	602.5	603.6
22.5°	1902.5	1606.5	918.9	526.7	500.9	527.3	543.2	561.9	565.2	553.1	555.3
25°	1895.4	1537.8	762.3	458.6	468.5	494.9	518.5	509.1	495.4	486.6	489.4
27.5°	1872.9	1446.7	609.1	408.6	433.9	467.4	470.1	459.7	457.5	450.4	452.6
30°	1848.7	1341.8	489.9	368.5	398.7	433.9	425.7	429.5	430.0	421.8	424.6
32.5°	1833.9	1231.9	390.0	341.6	376.2	382.8	399.3	407.0	407.5	388.3	391.6
35°	1838.8	1123.7	330.1	319.7	355.4	353.7	376.8	381.2	349.3	322.9	325.7
37.5°	1878.9	1023.8	296.0	302.6	319.1	331.7	349.3	320.2	313.1	301.0	302.6
40°	1953.6	938.6	275.7	292.2	294.4	314.7	287.8	291.6	292.2	284.5	286.1
42.5°	2040.9	867.8	263.6	286.1	280.7	284.0	257.0	264.7	273.0	269.7	270.2
45°	2084.9	798.6	253.2	265.3	266.9	235.6	229.6	237.8	248.3	249.9	250.4
47.5°	2045.9	732.7	242.2	235.1	246.1	214.7	207.6	210.4	222.4	229.0	230.1
50°	1926.7	656.9	225.7	208.2	202.1	192.8	186.2	186.7	200.5	212.0	214.2
52.5°	1759.2	577.8	198.8	176.3	162.6	169.7	171.4	168.1	180.7	192.2	194.4
55°	1596.6	478.9	157.6	143.3	130.7	146.1	150.5	146.1	149.9	157.6	158.2
57.5°	1124.3	270.8	120.8	118.6	108.2	125.2	132.4	125.8	119.2	124.1	125.2
60°	521.2	141.7	92.8	92.8	90.1	107.6	119.7	110.4	97.8	100.0	101.6
62.5°	163.1	89.5	68.1	64.3	73.6	91.7	101.6	92.3	77.4	77.4	79.6
65°	92.3	76.9	53.8	49.4	59.9	73.6	79.6	69.8	56.6	55.5	55.5
67.5°	85.7	73.0	47.8	40.1	42.3	47.2	49.4	42.8	39.0	38.4	39.0
70°	70.9	61.0	38.4	27.5	25.8	25.3	26.4	24.7	23.6	24.2	25.8
72.5°	43.9	36.8	24.2	16.5	14.3	13.7	13.7	13.7	13.2	13.2	13.2
75°	15.9	13.7	11.0	8.2	7.1	6.6	6.6	7.1	6.6	6.0	5.5
77.5°	4.9	4.4	4.4	4.4	3.8	3.3	2.7	2.7	2.2	1.6	1.6
80°	2.7	2.7	2.7	2.7	2.2	2.2	1.6	1.1	0.5	0.5	0.0
82.5°	2.7	2.7	2.7	2.2	2.2	2.2	1.6	1.1	0.5	0.0	0.0
85°	2.2	2.2	2.2	2.2	2.2	2.2	1.6	1.1	0.5	0.0	0.0
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	1.6	1.1	0.5	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)