

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: P639327

Luminaire Tested: GWS-SA5B-750-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-750-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14218.2 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

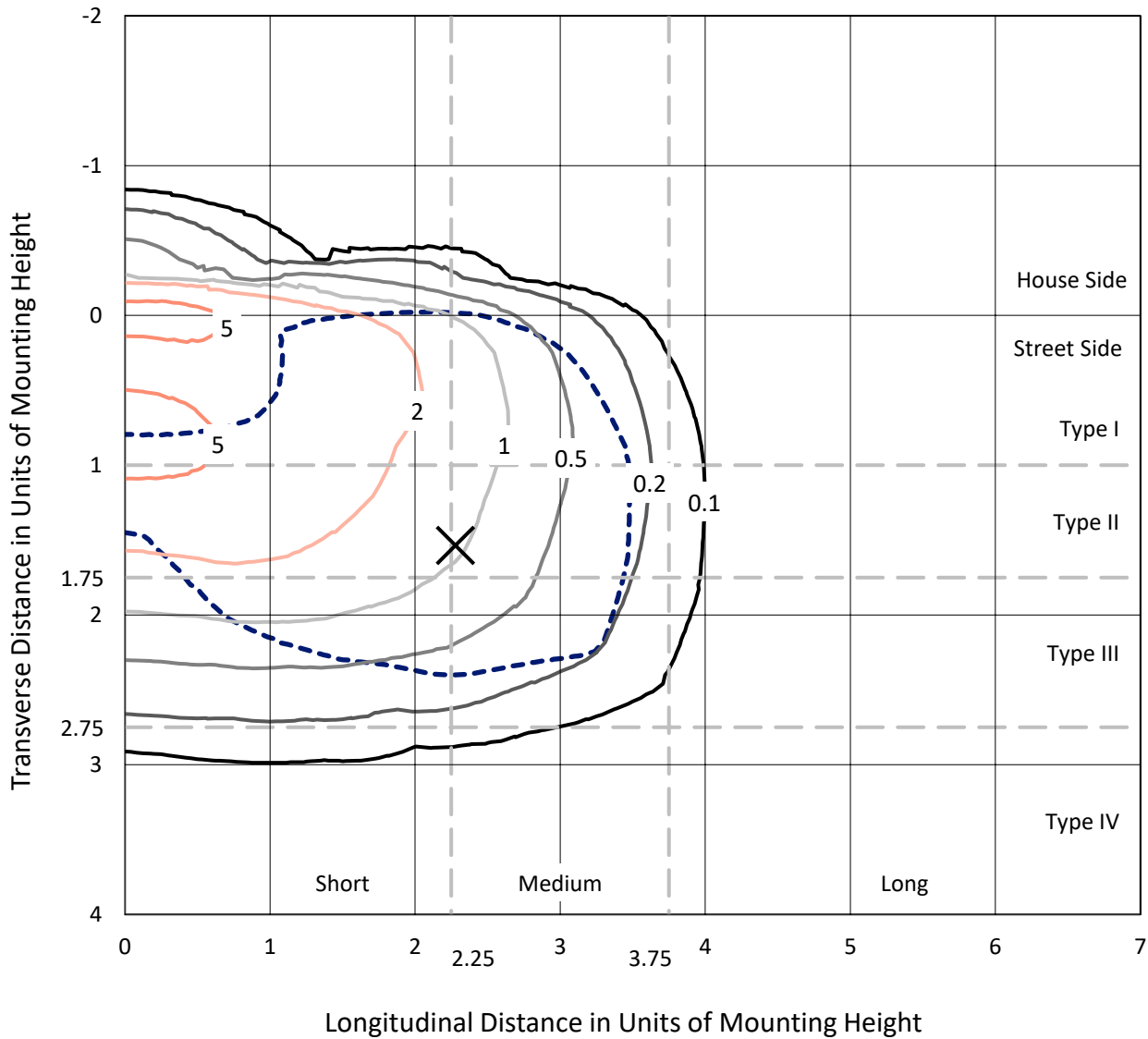
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639327
 CATALOG NUMBER: GWS-SA5B-750-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

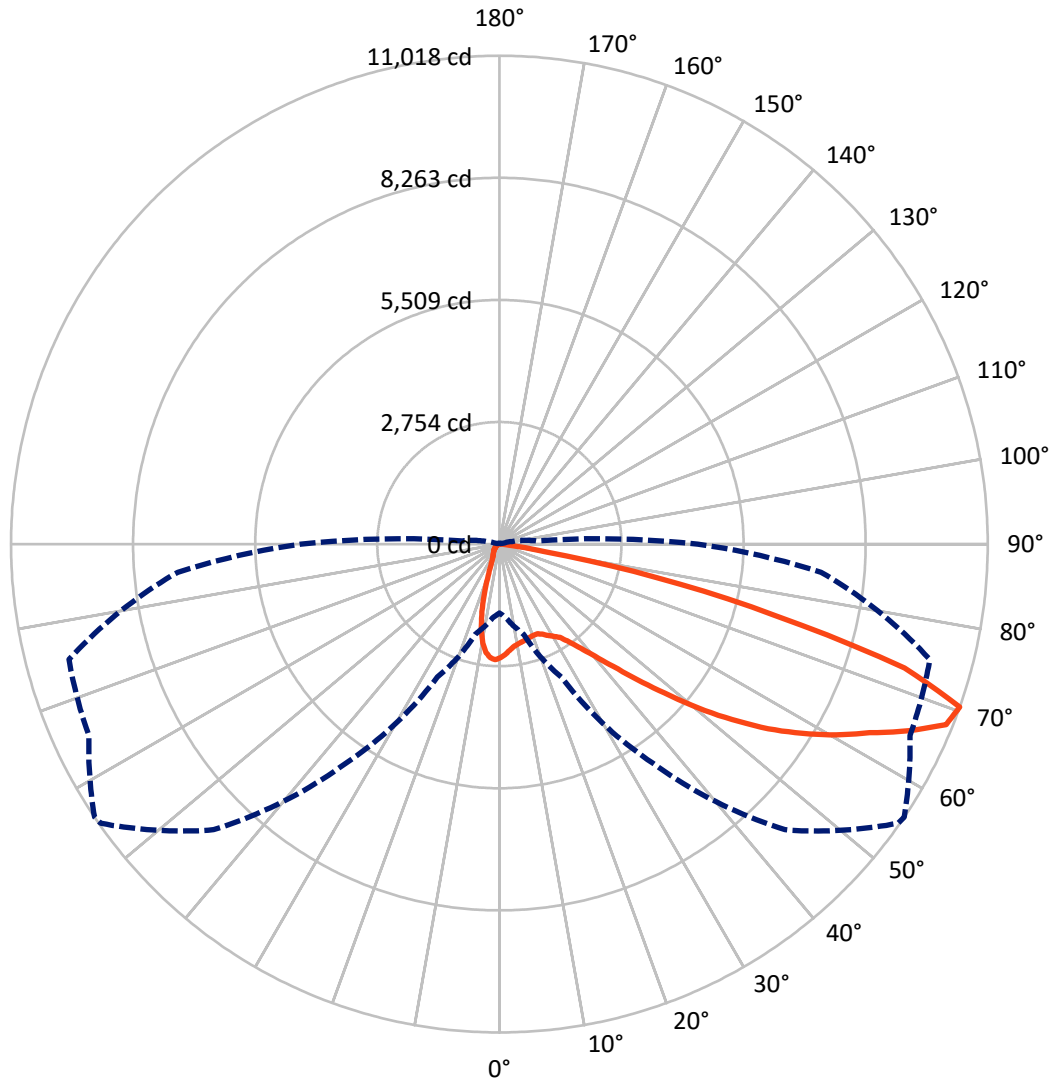
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P639327
CATALOG NUMBER: GWS-SA5B-750-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P639327

CATALOG NUMBER: GWS-SA5B-750-U-T3R-W-HSS

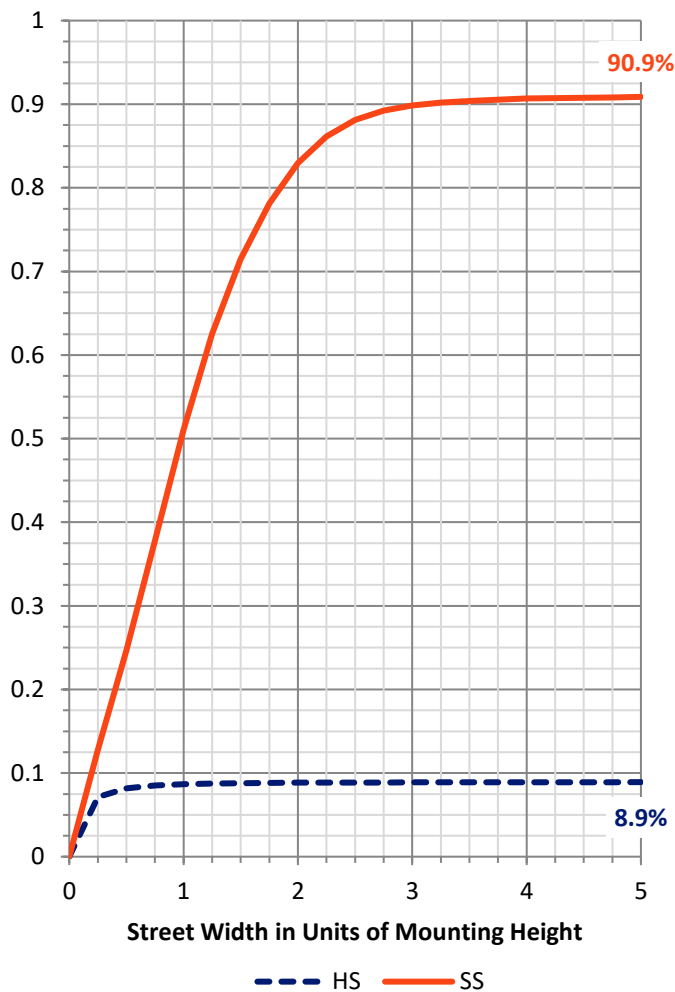
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1277.1	0.0	1277.1
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	12941.1	0.0	12941.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	14218.2	0.0	14218.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.1	1.5
10°-20°	495.1	3.5
20°-30°	784.2	5.5
30°-40°	1352.3	9.5
40°-50°	2283.6	16.1
50°-60°	3355.4	23.6
60°-70°	3978.0	28.0
70°-80°	1696.3	11.9
80°-90°	53.3	0.4
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°	14218.2	100.0
0°-180°	14218.2	100.0

Coefficient of Utilization



REPORT NUMBER: P639327

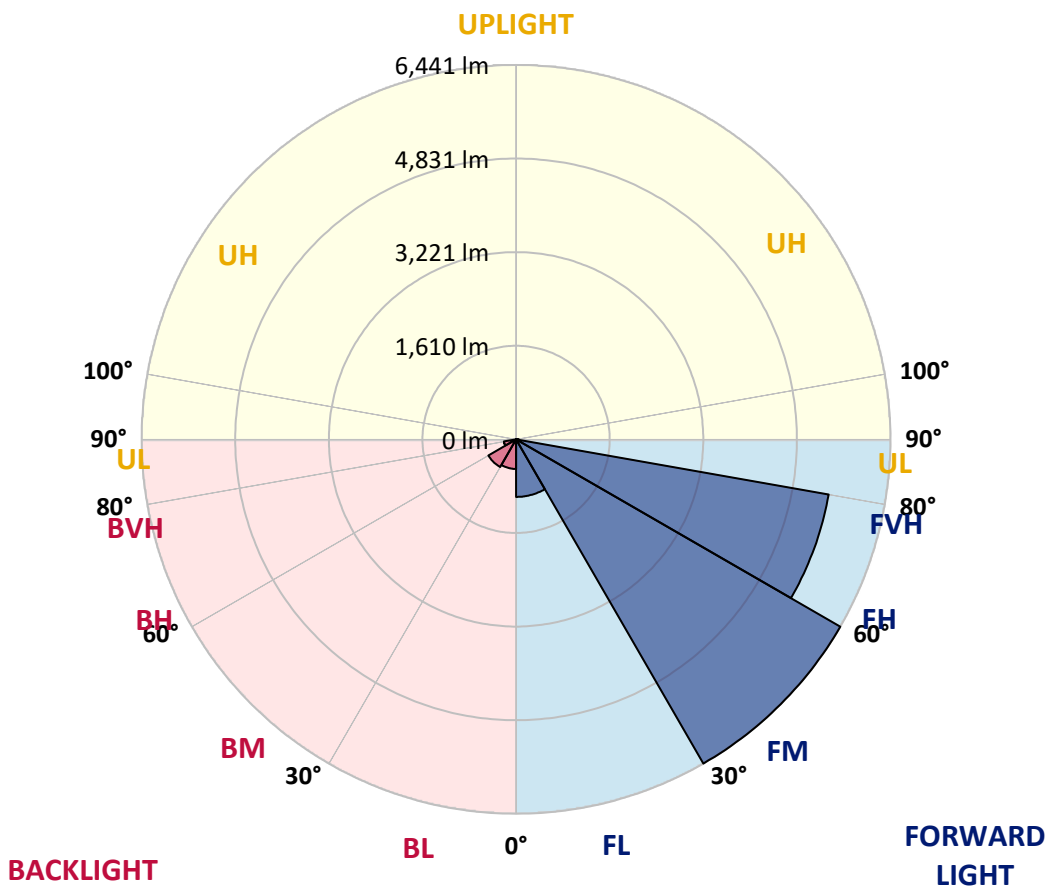
CATALOG NUMBER: GWS-SA5B-750-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	990.7	7.0			
FM (30°-60°)	6441.2	45.3			
FH (60°-80°)	5461.3	38.4			G3/7500
FVH (80°-90°)	47.9	0.3			G1/100
BL (0°-30°)	508.6	3.6	B2/1000		
BM (30°-60°)	550.1	3.9	B1/1000		
BH (60°-80°)	213.0	1.5	B1/500		G1/500
BVH (80°-90°)	5.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





REPORT NUMBER: P639327

CATALOG NUMBER: GWS-SA5B-750-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7
2.5°	2386.6	2382.7	2385.3	2404.8	2441.3	2458.2	2486.9	2492.1	2515.5	2545.5	2557.2
5°	2231.7	2218.6	2225.2	2252.5	2294.2	2341.0	2394.4	2408.7	2467.3	2533.7	2583.2
7.5°	2089.7	2075.4	2091.0	2134.0	2192.6	2243.4	2322.8	2331.9	2425.7	2542.9	2632.7
10°	1867.1	1871.0	1902.3	1977.8	2067.6	2173.1	2279.8	2292.9	2408.7	2572.8	2712.1
12.5°	1696.5	1687.4	1721.3	1807.2	1933.5	2087.1	2247.3	2264.2	2410.0	2618.4	2813.7
15°	1617.1	1614.5	1628.8	1691.3	1813.7	1994.7	2217.3	2239.5	2427.0	2660.0	2910.0
17.5°	1619.7	1615.8	1614.5	1651.0	1742.1	1925.7	2184.8	2213.4	2441.3	2705.6	3011.6
20°	1733.0	1714.8	1682.2	1665.3	1720.0	1881.4	2162.7	2195.2	2462.1	2753.8	3119.6
22.5°	1970.0	1976.5	1889.2	1798.1	1772.1	1886.6	2160.1	2197.8	2507.7	2829.3	3252.5
25°	2443.9	2433.5	2272.0	2067.6	1925.7	1946.5	2205.6	2251.2	2597.5	2937.4	3377.4
27.5°	3037.6	3046.7	2825.4	2499.9	2203.0	2070.2	2289.0	2334.5	2701.7	3005.1	3460.8
30°	3684.7	3675.6	3438.6	3078.0	2596.2	2275.9	2372.3	2412.6	2753.8	3041.5	3546.7
32.5°	4296.7	4275.8	4041.5	3663.9	3097.5	2600.1	2486.9	2510.3	2822.8	3121.0	3662.6
35°	4818.8	4817.5	4613.1	4210.7	3613.1	3006.4	2683.5	2703.0	2951.7	3247.2	3833.2
37.5°	5357.8	5339.6	5110.4	4743.3	4143.0	3451.7	2984.2	2976.4	3154.8	3433.4	4042.8
40°	5800.5	5788.8	5613.0	5260.2	4693.8	3943.8	3348.8	3325.4	3395.7	3691.2	4334.4
42.5°	6128.6	6129.9	6075.2	5860.4	5277.1	4512.8	3807.1	3770.7	3769.4	4080.5	4719.8
45°	6377.3	6394.2	6476.3	6443.7	5965.9	5175.5	4394.3	4356.6	4292.8	4585.7	5161.2
47.5°	6493.2	6515.3	6762.7	6892.9	6568.7	5833.1	5093.5	5014.1	4889.1	5257.6	5654.7
50°	6481.5	6520.5	6865.6	7261.4	7115.6	6499.7	5855.2	5817.4	5613.0	5968.5	6142.9
52.5°	6215.9	6299.2	6872.1	7485.3	7536.1	7114.3	6642.9	6572.6	6473.7	6710.6	6601.3
55°	5494.5	5596.1	6597.4	7556.9	7864.2	7650.7	7413.7	7356.4	7192.4	7411.1	7001.0
57.5°	5102.6	5189.9	6019.3	7521.8	8142.9	8146.8	8099.9	8053.0	7917.6	8103.8	7469.7
60°	4867.0	4954.2	5710.7	7392.9	8395.4	8670.2	8744.4	8739.2	8543.9	8891.5	8019.2
62.5°	4521.9	4641.7	5389.1	7058.3	8575.1	9185.8	9409.7	9374.6	9157.1	9711.8	8563.4
65°	3825.3	3929.5	4730.3	6506.2	8469.7	9612.8	10131.0	10149.3	9898.0	10483.9	8993.1
67.5°	2682.2	2759.0	3554.5	5347.4	7753.6	9753.5	10869.3	10868.0	10439.6	10879.7	8803.0
70°	1554.6	1660.1	2100.2	3305.8	6032.3	9114.2	10980.0	11017.7	10219.6	10052.9	7284.8
72.5°	601.5	688.8	1190.0	1756.4	3145.7	6981.5	9444.9	9555.6	8553.0	7754.9	5070.1
75°	179.7	200.5	559.9	934.9	1263.0	3372.2	6394.2	6425.5	5866.9	4837.0	2598.8
77.5°	134.1	148.4	244.8	472.6	442.7	1022.1	3308.4	3613.1	3114.4	1727.8	716.1
80°	91.1	108.1	174.5	230.5	164.1	272.1	929.6	1020.8	950.5	388.0	179.7
82.5°	40.4	52.1	123.7	115.9	59.9	78.1	286.4	304.7	196.6	117.2	62.5
85°	3.9	5.2	46.9	50.8	22.1	18.2	59.9	59.9	43.0	40.4	26.0
87.5°	0.0	0.0	1.3	2.6	2.6	3.9	5.2	6.5	7.8	10.4	13.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P639327
 CATALOG NUMBER: GWS-SA5B-750-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7
2.5°	2587.1	2571.5	2591.0	2606.7	2610.6	2581.9	2565.0	2540.2	2535.0	2536.3	2529.8
5°	2622.3	2614.5	2628.8	2611.9	2567.6	2484.3	2412.6	2333.2	2290.3	2265.5	2262.9
7.5°	2687.4	2683.5	2667.8	2591.0	2453.0	2268.1	2089.7	1915.3	1807.2	1768.1	1761.6
10°	2783.7	2775.9	2712.1	2529.8	2235.6	1880.1	1580.7	1330.7	1178.3	1134.1	1079.4
12.5°	2894.4	2878.8	2739.5	2398.3	1907.5	1415.3	1041.6	761.7	630.2	591.1	591.1
15°	3001.2	2967.3	2723.8	2180.9	1503.8	920.5	582.0	440.1	399.7	389.3	389.3
17.5°	3110.5	3045.4	2662.6	1884.0	1039.0	544.2	388.0	360.7	355.5	356.8	358.1
20°	3213.4	3111.8	2554.6	1527.3	662.7	380.2	347.6	341.1	338.5	341.1	339.8
22.5°	3325.4	3173.0	2390.5	1138.0	431.0	342.4	330.7	325.5	322.9	326.8	326.8
25°	3436.0	3217.3	2173.1	765.6	342.4	319.0	312.5	307.3	304.7	306.0	306.0
27.5°	3493.3	3200.4	1887.9	488.3	307.3	295.6	289.0	282.5	278.6	277.3	278.6
30°	3532.4	3148.3	1539.0	347.6	278.6	264.3	257.8	252.6	242.2	235.7	238.3
32.5°	3593.6	3096.2	1160.1	291.7	255.2	233.1	222.6	209.6	195.3	188.8	188.8
35°	3666.5	3024.6	813.8	263.0	230.5	207.0	187.5	165.4	148.4	143.2	143.2
37.5°	3762.8	2956.9	541.6	243.5	209.6	184.9	157.5	131.5	113.3	110.7	109.4
40°	3907.4	2899.6	381.5	229.2	191.4	161.5	128.9	101.6	88.5	84.6	84.6
42.5°	4094.9	2841.0	302.1	214.8	175.8	139.3	102.9	80.7	70.3	67.7	66.4
45°	4326.6	2772.0	263.0	201.8	160.1	115.9	82.0	67.7	59.9	57.3	57.3
47.5°	4577.9	2678.3	244.8	184.9	141.9	93.7	69.0	58.6	54.7	53.4	52.1
50°	4825.3	2552.0	229.2	169.3	121.1	76.8	59.9	53.4	50.8	49.5	49.5
52.5°	5041.4	2404.8	209.6	151.0	99.0	66.4	53.4	49.5	46.9	44.3	43.0
55°	5226.3	2244.7	184.9	130.2	80.7	58.6	49.5	45.6	43.0	40.4	39.1
57.5°	5464.6	2153.5	148.4	105.5	66.4	52.1	45.6	41.7	39.1	35.2	35.2
60°	5728.9	2087.1	110.7	83.3	57.3	48.2	41.7	37.8	35.2	31.2	31.2
62.5°	5941.1	1988.2	87.2	67.7	49.5	43.0	37.8	33.9	31.2	27.3	27.3
65°	6021.9	1783.8	71.6	53.4	40.4	37.8	33.9	31.2	27.3	23.4	23.4
67.5°	5657.3	1374.9	59.9	43.0	33.9	32.6	29.9	28.6	23.4	20.8	19.5
70°	4480.3	838.5	49.5	35.2	28.6	27.3	27.3	24.7	20.8	19.5	18.2
72.5°	3070.2	432.3	40.4	28.6	24.7	24.7	23.4	22.1	19.5	18.2	18.2
75°	1595.0	144.5	31.2	22.1	19.5	20.8	20.8	19.5	18.2	18.2	16.9
77.5°	457.0	65.1	23.4	16.9	15.6	15.6	16.9	16.9	16.9	15.6	15.6
80°	118.5	37.8	16.9	13.0	13.0	13.0	13.0	14.3	15.6	14.3	14.3
82.5°	48.2	20.8	11.7	10.4	10.4	10.4	10.4	11.7	13.0	13.0	13.0
85°	29.9	10.4	9.1	9.1	9.1	7.8	7.8	9.1	9.1	10.4	10.4
87.5°	18.2	7.8	7.8	7.8	7.8	6.5	6.5	6.5	6.5	6.5	6.5
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)