

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: P637396

Luminaire Tested: GWS-SA4C-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12093.6 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

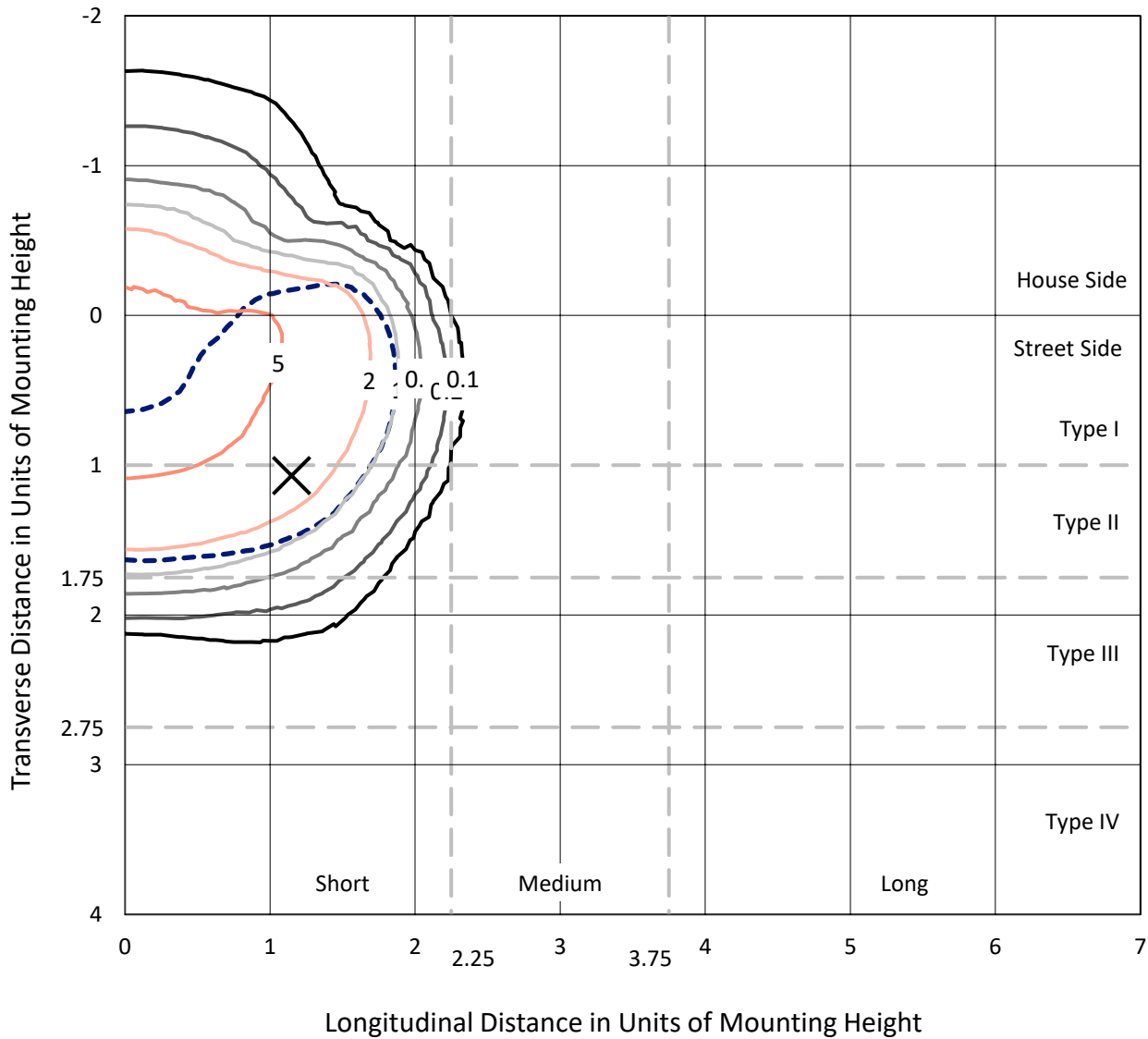
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637396
 CATALOG NUMBER: GWS-SA4C-760-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

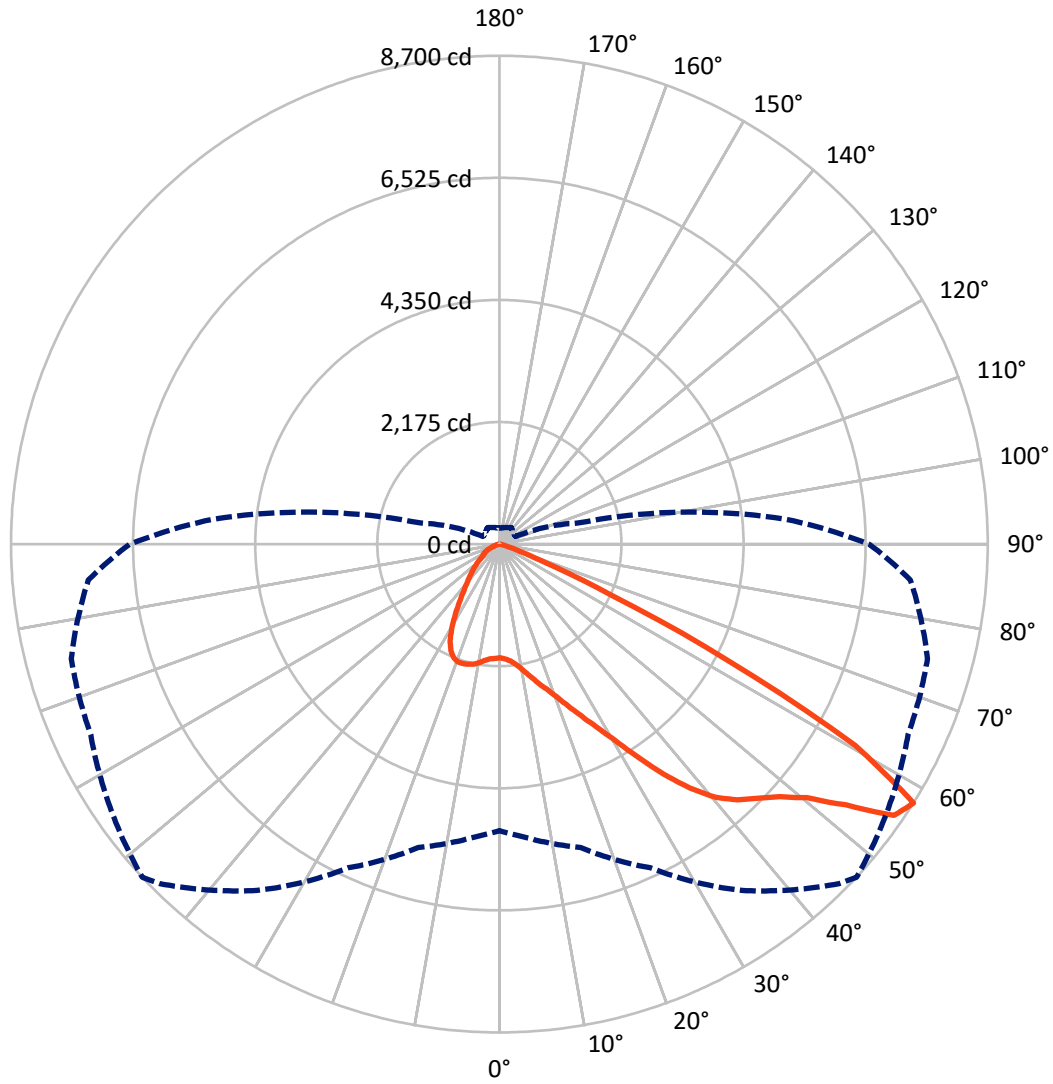
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Short - N/A

REPORT NUMBER: P637396
CATALOG NUMBER: GWS-SA4C-760-U-T3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637396

CATALOG NUMBER: GWS-SA4C-760-U-T3-W-GRSBK

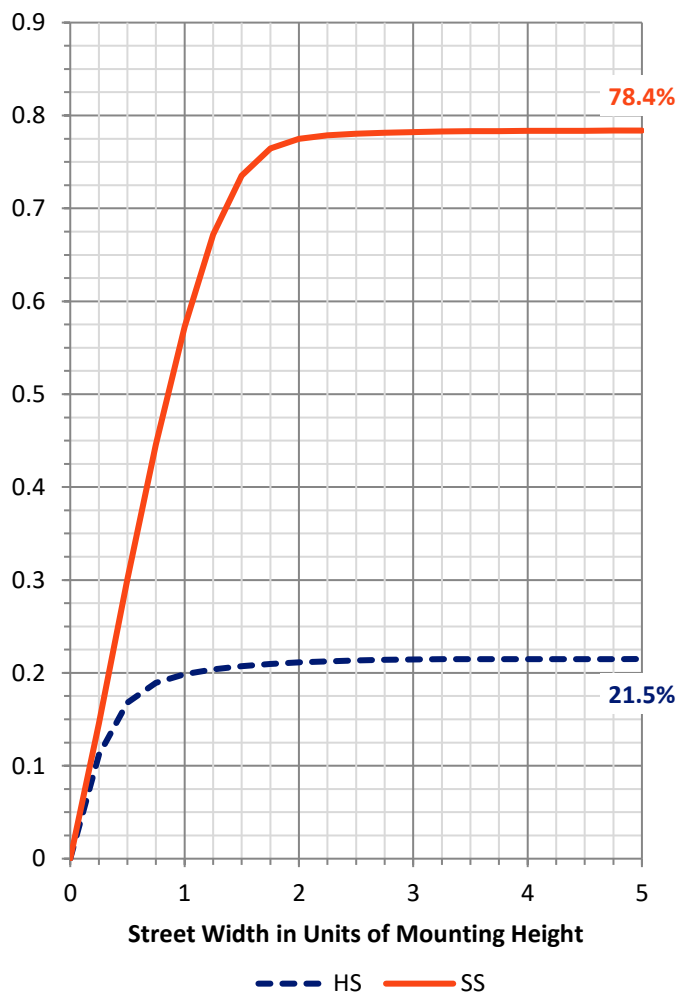
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2623.7	0.0	2623.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	9469.9	0.0	9469.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	12093.6	0.0	12093.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.4	1.7
10°-20°	679.6	5.6
20°-30°	1261.9	10.4
30°-40°	2020.0	16.7
40°-50°	2952.8	24.4
50°-60°	3644.3	30.1
60°-70°	1217.7	10.1
70°-80°	113.5	0.9
80°-90°	2.3	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°	12093.6	100.0
0°-180°	12093.6	100.0

Coefficient of Utilization



REPORT NUMBER: P637396

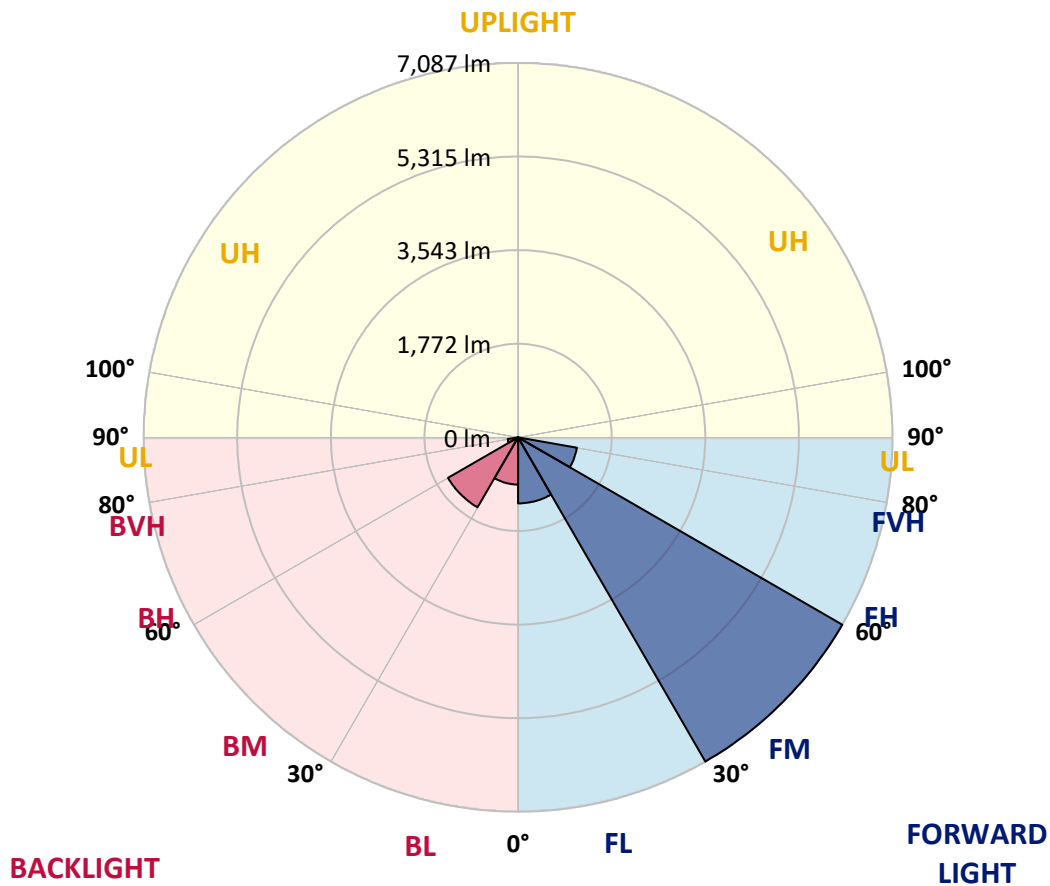
CATALOG NUMBER: GWS-SA4C-760-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1249.8	10.3			
FM (30°-60°)	7086.8	58.6			
FH (60°-80°)	1131.7	9.4			G1/1800
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	893.1	7.4	B2/1000		
BM (30°-60°)	1530.4	12.7	B2/2500		
BH (60°-80°)	199.5	1.6	B1/500		G1/500
BVH (80°-90°)	0.7	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-G1

Type II Short





REPORT NUMBER: P637396

CATALOG NUMBER: GWS-SA4C-760-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2024.5	2024.5	2024.5	2024.5	2024.5	2024.5	2024.5	2024.5	2024.5	2024.5	2024.5
2.5°	2045.5	2044.1	2042.7	2051.2	2048.3	2046.9	2049.8	2049.8	2049.8	2041.3	2024.5
5°	2094.7	2094.7	2093.3	2101.7	2094.7	2090.5	2091.9	2091.9	2086.3	2070.8	2049.8
7.5°	2171.9	2169.1	2166.3	2174.7	2167.7	2166.3	2169.1	2160.7	2150.8	2125.6	2096.1
10°	2282.8	2282.8	2278.6	2287.0	2281.4	2278.6	2278.6	2273.0	2254.7	2215.4	2171.9
12.5°	2435.8	2428.8	2419.0	2412.0	2409.2	2407.8	2409.2	2400.7	2381.1	2330.5	2270.2
15°	2602.9	2597.3	2581.8	2570.6	2555.2	2552.4	2560.8	2553.8	2534.1	2465.3	2379.7
17.5°	2813.5	2820.5	2781.2	2757.3	2712.4	2709.6	2712.4	2723.6	2709.6	2621.2	2496.2
20°	2993.2	2998.8	2969.3	2952.5	2911.8	2893.5	2899.1	2917.4	2901.9	2798.1	2624.0
22.5°	3185.5	3192.6	3161.7	3126.6	3108.3	3108.3	3129.4	3154.7	3133.6	2997.4	2770.0
25°	3415.8	3421.4	3396.1	3349.8	3317.5	3358.2	3389.1	3456.5	3421.4	3236.1	2942.7
27.5°	3679.7	3681.1	3644.6	3596.9	3580.0	3655.9	3686.7	3790.6	3776.6	3504.2	3125.2
30°	3961.9	3963.3	3954.9	3922.6	3907.2	4006.8	4049.0	4199.2	4189.4	3837.0	3373.7
32.5°	4255.3	4255.3	4270.8	4268.0	4286.2	4449.1	4516.5	4687.8	4677.9	4244.1	3682.5
35°	4550.2	4551.6	4578.2	4645.6	4721.5	4937.7	5026.1	5233.9	5211.4	4731.3	4077.0
37.5°	4885.7	4871.7	4908.2	5009.3	5177.7	5427.6	5511.9	5709.8	5684.6	5229.7	4592.3
40°	5290.0	5264.8	5264.8	5382.7	5573.6	5861.4	5933.1	6031.3	5945.7	5632.6	5097.7
42.5°	5736.5	5712.6	5681.7	5785.6	5945.7	6170.3	6229.3	6202.6	6132.4	6013.1	5673.3
45°	6188.6	6152.1	6173.1	6236.3	6329.0	6435.7	6458.1	6334.6	6302.3	6336.0	6149.3
47.5°	6532.5	6507.3	6559.2	6647.7	6723.5	6738.9	6723.5	6552.2	6549.4	6668.7	6479.2
50°	6647.7	6650.5	6793.7	6987.4	7109.6	7122.2	7101.1	6904.6	6877.9	6913.0	6657.5
52.5°	6658.9	6670.1	6879.3	7248.5	7581.3	7732.9	7716.1	7504.1	7242.9	7205.0	6927.0
55°	6387.9	6453.9	6745.9	7285.0	7992.6	8477.0	8533.1	8127.4	7739.9	7707.6	7506.9
57.5°	5106.1	5240.9	5593.3	6361.3	7533.5	8554.2	8700.2	8408.2	8033.3	7895.8	7351.0
60°	3052.2	3219.2	3557.6	4499.6	5733.7	7030.9	7282.2	7323.0	7150.3	6753.0	5639.6
62.5°	1309.9	1295.8	1712.8	2434.4	3410.2	4468.7	4582.5	4759.4	4909.6	4494.0	3422.8
65°	449.3	488.6	679.5	1097.9	1707.2	2075.0	2176.1	2334.8	2548.2	2103.1	1253.7
67.5°	278.0	294.8	391.7	648.6	921.0	906.9	862.0	836.7	814.3	557.4	344.0
70°	202.2	216.2	275.2	446.5	619.1	435.2	377.7	306.1	339.8	313.1	244.3
72.5°	136.2	147.4	189.5	271.0	317.3	212.0	196.6	223.2	269.6	256.9	199.4
75°	81.4	88.4	108.1	132.0	129.2	109.5	110.9	157.2	206.4	192.3	141.8
77.5°	56.2	59.0	71.6	85.6	63.2	33.7	30.9	43.5	70.2	70.2	47.7
80°	14.0	18.3	18.3	11.2	9.8	8.4	8.4	12.6	19.7	14.0	7.0
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	2.8
85°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8
87.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
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: P637396

CATALOG NUMBER: GWS-SA4C-760-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2024.5	2024.5	2024.5	2024.5	2024.5	2024.5	2024.5	2024.5	2024.5	2024.5	2024.5
2.5°	2034.3	2017.5	2028.7	2025.9	2034.3	2037.1	2024.5	2021.7	2023.1	2006.2	2000.6
5°	2054.0	2034.3	2039.9	2034.3	2044.1	2052.6	2048.3	2054.0	2061.0	2048.3	2042.7
7.5°	2096.1	2076.4	2075.0	2066.6	2080.6	2086.3	2084.9	2100.3	2114.3	2105.9	2097.5
10°	2169.1	2142.4	2139.6	2132.6	2136.8	2141.0	2125.6	2128.4	2141.0	2131.2	2127.0
12.5°	2258.9	2226.6	2219.6	2202.8	2202.8	2181.7	2148.0	2141.0	2150.8	2143.8	2136.8
15°	2355.8	2312.3	2301.1	2271.6	2243.5	2204.2	2169.1	2160.7	2167.7	2159.3	2153.6
17.5°	2463.9	2414.8	2378.3	2326.3	2264.6	2218.2	2178.9	2160.7	2149.4	2132.6	2131.2
20°	2570.6	2506.0	2444.3	2361.4	2280.0	2209.8	2145.2	2097.5	2056.8	2031.5	2021.7
22.5°	2694.2	2598.7	2499.0	2382.5	2266.0	2159.3	2045.5	1964.1	1893.9	1870.0	1858.8
25°	2826.1	2702.6	2553.8	2402.1	2218.2	2046.9	1892.5	1771.8	1679.1	1648.2	1635.6
27.5°	2972.1	2802.3	2609.9	2397.9	2119.9	1886.9	1681.9	1531.7	1440.4	1412.4	1422.2
30°	3157.5	2931.4	2680.1	2354.4	1972.5	1662.3	1422.2	1295.8	1227.0	1200.4	1201.8
32.5°	3404.6	3116.7	2782.6	2261.7	1783.0	1406.7	1196.2	1103.5	1057.2	1022.1	1019.3
35°	3758.3	3398.9	2878.1	2112.9	1552.8	1179.3	1026.3	953.3	888.7	848.0	855.0
37.5°	4182.3	3754.1	2930.0	1912.2	1294.4	1002.4	898.5	824.1	751.1	690.7	697.8
40°	4684.9	4218.8	2925.8	1648.2	1058.6	881.7	791.8	704.8	613.5	558.8	564.4
42.5°	5245.1	4658.3	2834.6	1368.8	877.5	783.4	689.3	579.8	491.4	457.7	459.1
45°	5730.9	5014.9	2674.5	1079.6	738.5	687.9	582.6	470.3	431.0	407.1	405.7
47.5°	6090.3	5276.0	2445.7	849.4	626.2	600.9	478.7	421.2	390.3	370.6	367.8
50°	6291.1	5367.3	2193.0	665.5	529.3	509.6	428.2	381.9	360.8	348.2	345.4
52.5°	6560.6	5476.8	2011.8	525.1	443.6	417.0	394.5	355.2	341.2	331.3	327.1
55°	6987.4	5688.8	1854.6	417.0	369.2	363.6	372.0	339.8	331.3	315.9	310.3
57.5°	6585.9	5110.3	1440.4	322.9	311.7	332.7	359.4	324.3	303.3	289.2	283.6
60°	4634.4	3397.5	724.4	259.7	278.0	311.7	338.3	293.4	272.4	275.2	272.4
62.5°	2555.2	1700.2	325.7	217.6	241.5	275.2	289.2	254.1	240.1	263.9	268.2
65°	835.3	578.4	188.1	168.5	190.9	224.6	249.9	241.5	238.7	266.7	275.2
67.5°	256.9	190.9	127.8	120.7	132.0	165.7	210.6	261.1	280.8	289.2	293.4
70°	192.3	150.2	109.5	102.5	108.1	126.4	178.3	217.6	205.0	206.4	203.6
72.5°	154.4	119.3	94.1	89.9	89.9	87.0	94.1	117.9	133.4	140.4	140.4
75°	108.1	84.2	71.6	66.0	51.9	42.1	37.9	37.9	33.7	32.3	30.9
77.5°	36.5	30.9	28.1	22.5	15.4	12.6	11.2	9.8	7.0	4.2	2.8
80°	5.6	4.2	2.8	2.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
82.5°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	0.0	0.0	0.0	0.0
85°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	2.8	1.4	1.4	1.4	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)