

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: P634392

Luminaire Tested: GWS-SA3B-760-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634392
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7903.5 lumens
Efficiency: N/A
Efficacy: 115.7 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

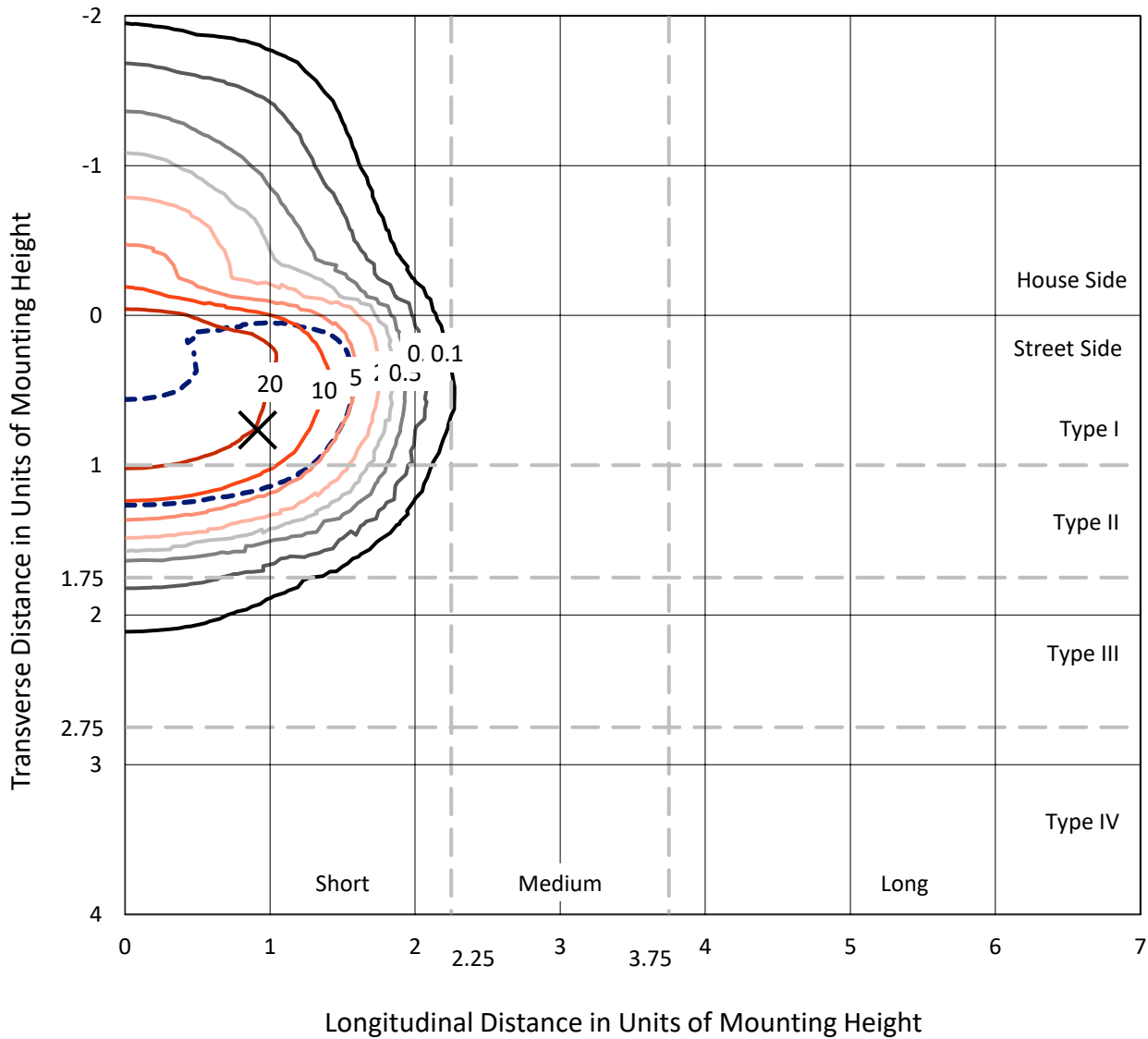
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

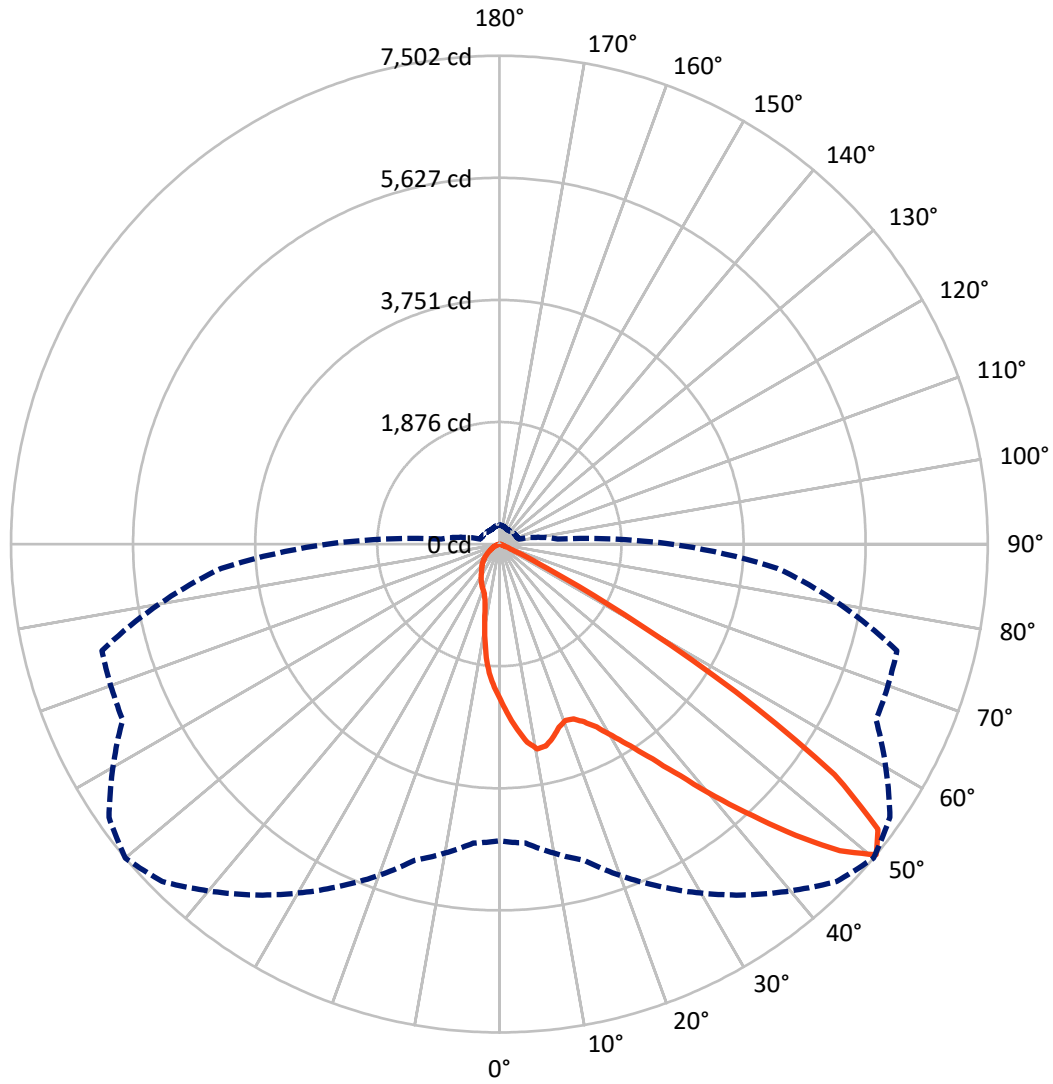
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.7 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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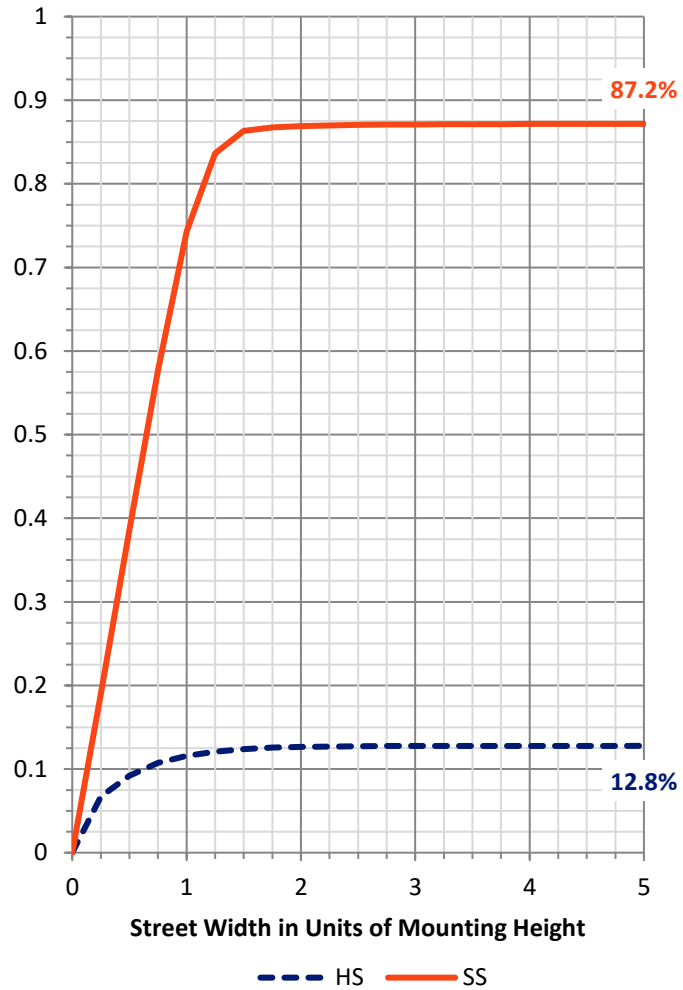
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1015.5	0.0	1015.5
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	6888.0	0.0	6888.0
	% Fixture	87.2	0.0	87.2
Total	Lumens	7903.5	0.0	7903.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.1	2.8
10°-20°	573.1	7.3
20°-30°	945.8	12.0
30°-40°	1560.8	19.7
40°-50°	2469.5	31.2
50°-60°	1869.7	23.7
60°-70°	234.0	3.0
70°-80°	26.5	0.3
80°-90°	2.0	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°	7903.5	100.0
0°-180°	7903.5	100.0

Coefficient of Utilization



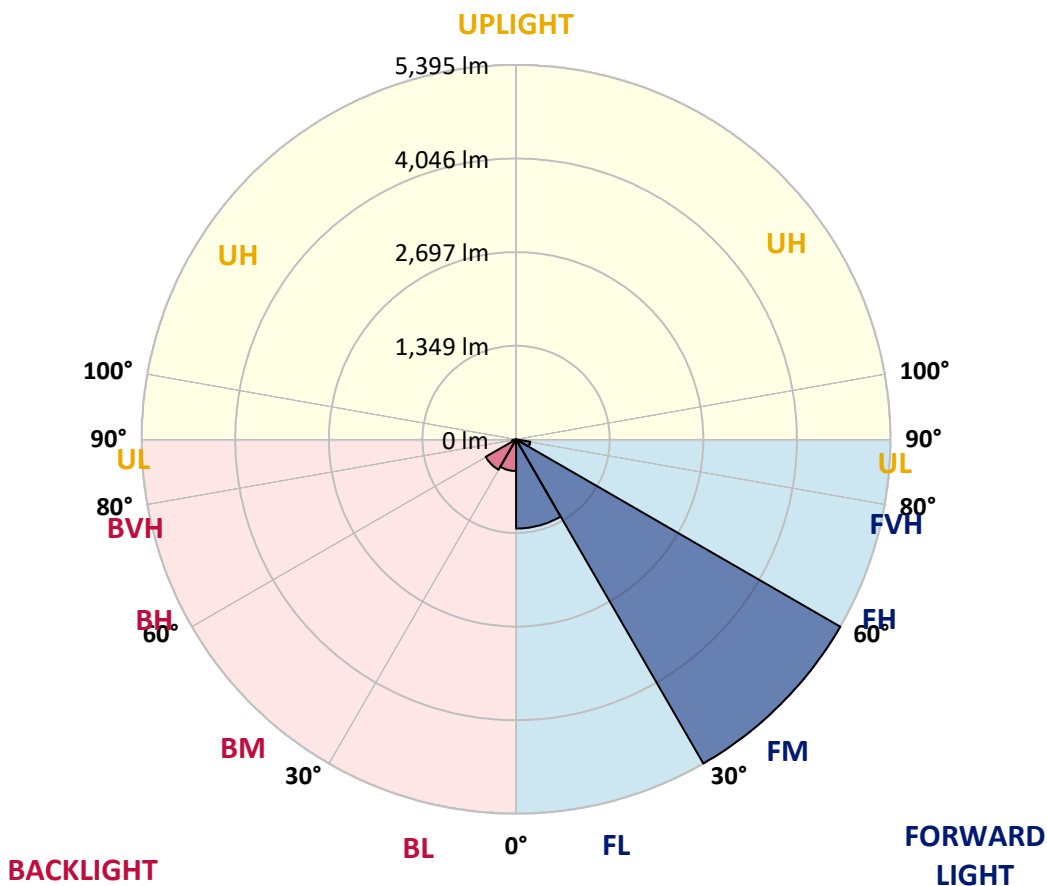
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1285.2	16.3			
FM (30°-60°)	5395.0	68.3			
FH (60°-80°)	206.9	2.6			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	455.8	5.8	B1/500		
BM (30°-60°)	505.0	6.4	B1/1000		
BH (60°-80°)	53.6	0.7	B0/110		G0/110
BVH (80°-90°)	1.1	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°	2394.4	2394.4	2394.4	2394.4	2394.4	2394.4	2394.4	2394.4	2394.4	2394.4	2394.4
2.5°	2728.5	2750.3	2744.2	2715.7	2684.8	2663.0	2629.2	2618.6	2541.9	2488.5	2432.1
5°	3057.9	3064.7	3057.2	3022.6	2968.4	2916.5	2860.8	2828.5	2699.9	2584.0	2465.9
7.5°	3136.9	3128.7	3142.9	3160.2	3152.7	3130.2	3071.5	3036.1	2882.7	2693.8	2514.8
10°	2890.2	2871.4	2924.8	3014.3	3108.3	3214.4	3199.4	3202.4	3060.9	2832.3	2578.8
12.5°	2563.0	2555.4	2595.3	2699.1	2883.4	3124.1	3182.1	3279.1	3224.2	2982.0	2651.7
15°	2419.3	2423.0	2447.1	2512.6	2644.9	2944.3	3083.5	3258.8	3370.1	3127.1	2732.2
17.5°	2441.1	2454.6	2453.9	2475.7	2556.2	2796.2	2958.6	3194.9	3483.0	3294.2	2824.7
20°	2589.3	2602.8	2582.5	2566.0	2593.0	2758.5	2893.2	3130.2	3558.9	3462.7	2922.5
22.5°	2811.2	2827.0	2778.9	2731.5	2714.2	2820.2	2918.0	3103.8	3616.9	3616.9	3009.8
25°	3079.8	3101.6	3027.1	2942.8	2894.7	2950.4	3024.1	3163.3	3676.3	3755.3	3069.2
27.5°	3379.9	3380.7	3316.7	3221.9	3131.7	3138.4	3182.8	3297.2	3741.7	3904.2	3115.9
30°	3717.7	3719.9	3634.9	3521.3	3407.7	3376.9	3414.5	3501.0	3877.9	4091.5	3180.6
32.5°	4154.0	4164.5	4042.6	3875.6	3728.2	3670.3	3692.1	3783.1	4094.6	4326.3	3277.6
35°	4743.8	4755.0	4575.3	4354.8	4120.1	4032.9	4054.7	4146.5	4408.2	4659.5	3432.6
37.5°	5326.0	5341.1	5159.0	4953.6	4631.7	4487.2	4509.8	4597.1	4879.2	5119.9	3680.8
40°	5728.5	5748.8	5692.4	5553.9	5255.3	5065.7	5092.8	5124.4	5397.5	5670.5	4002.8
42.5°	5940.6	5969.2	5993.3	6064.0	5906.8	5748.0	5702.1	5704.4	5924.8	6231.7	4337.5
45°	5953.4	5981.2	6104.6	6377.7	6497.3	6464.2	6380.7	6324.3	6327.3	6605.6	4546.7
47.5°	5539.6	5591.6	5822.5	6357.4	6807.2	7081.8	7039.7	6905.8	6496.5	6630.4	4524.1
50°	4559.5	4610.6	5030.4	5799.9	6581.5	7328.5	7502.3	7322.5	6385.9	6321.2	4291.6
52.5°	3311.5	3316.7	3589.0	4488.0	5666.8	6873.4	7282.6	7265.3	6217.4	5946.6	3974.2
55°	1573.0	1554.2	1860.3	2532.9	3919.3	5559.2	6249.0	6444.6	5978.2	5675.8	3728.2
57.5°	458.1	467.2	603.3	988.5	1960.4	3552.9	4279.6	4643.7	4907.0	4666.3	2891.7
60°	205.4	206.1	229.4	300.9	653.0	1652.7	2212.4	2663.0	2933.8	2718.7	1434.6
62.5°	148.9	149.7	158.7	170.0	221.9	559.7	829.7	1105.8	1126.1	737.2	363.3
65°	124.1	124.1	125.6	125.6	133.2	200.1	252.0	325.0	273.8	203.1	142.2
67.5°	100.1	100.8	102.3	102.3	100.1	100.1	108.3	118.9	127.1	157.2	130.9
70°	78.2	77.5	77.5	78.2	76.0	64.7	70.0	79.7	87.3	122.6	113.6
72.5°	60.9	61.7	60.9	57.9	52.7	38.4	41.4	51.9	55.7	76.7	76.7
75°	45.9	46.6	43.6	33.1	21.8	12.0	15.8	25.6	32.3	37.6	27.8
77.5°	6.0	6.0	4.5	4.5	3.8	4.5	4.5	6.0	9.0	9.0	6.8
80°	0.8	0.8	0.8	1.5	2.3	3.0	3.0	3.0	3.0	3.8	3.8
82.5°	0.8	0.8	0.8	0.8	2.3	2.3	3.0	3.0	3.0	3.0	3.0
85°	0.0	0.0	0.0	0.8	1.5	2.3	2.3	3.0	3.0	3.0	3.0
87.5°	0.0	0.0	0.0	0.8	1.5	2.3	2.3	2.3	3.0	3.0	3.0
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°	2394.4	2394.4	2394.4	2394.4	2394.4	2394.4	2394.4	2394.4	2394.4	2394.4	2394.4
2.5°	2398.2	2354.6	2301.9	2265.8	2214.7	2180.8	2132.7	2100.3	2072.5	2050.7	2062.7
5°	2399.0	2329.8	2222.2	2130.4	2030.4	1938.6	1840.0	1762.5	1692.6	1661.0	1678.3
7.5°	2414.0	2314.7	2150.0	1986.7	1794.9	1605.3	1427.8	1283.4	1211.9	1178.0	1188.6
10°	2443.3	2307.9	2069.5	1798.7	1487.2	1228.4	1056.2	958.4	918.5	897.4	901.2
12.5°	2470.4	2303.4	1964.9	1551.2	1173.5	953.1	863.6	850.1	858.3	859.1	858.3
15°	2507.3	2295.1	1835.5	1296.9	938.8	823.7	826.0	845.5	865.1	871.1	869.6
17.5°	2546.4	2282.4	1668.5	1053.2	796.6	786.1	812.4	838.8	858.3	861.3	862.1
20°	2587.0	2256.0	1478.2	859.8	730.4	757.5	786.9	806.4	820.7	825.2	826.7
22.5°	2605.8	2200.4	1258.5	721.4	686.1	722.2	744.0	769.6	774.1	757.5	760.5
25°	2596.1	2106.3	1044.1	628.1	641.7	677.8	710.1	697.3	678.5	666.5	670.3
27.5°	2565.2	1981.5	834.3	559.7	594.3	640.2	643.9	629.6	626.6	616.9	619.9
30°	2532.1	1837.8	671.0	504.8	546.1	594.3	583.0	588.3	589.0	577.7	581.5
32.5°	2511.8	1687.3	534.1	467.9	515.3	524.3	546.9	557.4	558.2	531.8	536.4
35°	2518.6	1539.1	452.1	437.8	486.7	484.5	516.1	522.1	478.4	442.3	446.1
37.5°	2573.5	1402.2	405.5	414.5	437.1	454.4	478.4	438.6	428.8	412.2	414.5
40°	2675.8	1285.6	377.6	400.2	403.2	431.0	394.2	399.5	400.2	389.7	391.9
42.5°	2795.4	1188.6	361.1	391.9	384.4	388.9	352.1	362.6	373.9	369.4	370.1
45°	2855.6	1093.8	346.8	363.3	365.6	322.7	314.4	325.7	340.0	342.3	343.0
47.5°	2802.2	1003.5	331.7	322.0	337.0	294.1	284.4	288.1	304.7	313.7	315.2
50°	2638.9	899.7	309.2	285.1	276.8	264.0	255.0	255.8	274.6	290.4	293.4
52.5°	2409.5	791.4	272.3	241.5	222.7	232.4	234.7	230.2	247.5	263.3	266.3
55°	2186.8	656.0	215.9	196.3	179.0	200.1	206.1	200.1	205.4	215.9	216.7
57.5°	1539.9	370.9	165.5	162.5	148.2	171.5	181.3	172.3	163.2	170.0	171.5
60°	713.9	194.1	127.1	127.1	123.4	147.4	164.0	151.2	133.9	136.9	139.2
62.5°	223.4	122.6	93.3	88.0	100.8	125.6	139.2	126.4	106.1	106.1	109.1
65°	126.4	105.3	73.7	67.7	82.0	100.8	109.1	95.5	77.5	76.0	76.0
67.5°	117.4	100.1	65.4	54.9	57.9	64.7	67.7	58.7	53.4	52.7	53.4
70°	97.0	83.5	52.7	37.6	35.4	34.6	36.1	33.9	32.3	33.1	35.4
72.5°	60.2	50.4	33.1	22.6	19.6	18.8	18.8	18.8	18.1	18.1	18.1
75°	21.8	18.8	15.0	11.3	9.8	9.0	9.0	9.8	9.0	8.3	7.5
77.5°	6.8	6.0	6.0	6.0	5.3	4.5	3.8	3.8	3.0	2.3	2.3
80°	3.8	3.8	3.8	3.8	3.0	3.0	2.3	1.5	0.8	0.8	0.0
82.5°	3.8	3.8	3.8	3.0	3.0	3.0	2.3	1.5	0.8	0.0	0.0
85°	3.0	3.0	3.0	3.0	3.0	3.0	2.3	1.5	0.8	0.0	0.0
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	2.3	1.5	0.8	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)