

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: P631367

Luminaire Tested: GWS-SA1F-750-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631367
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-SA1F-750-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6490.6 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

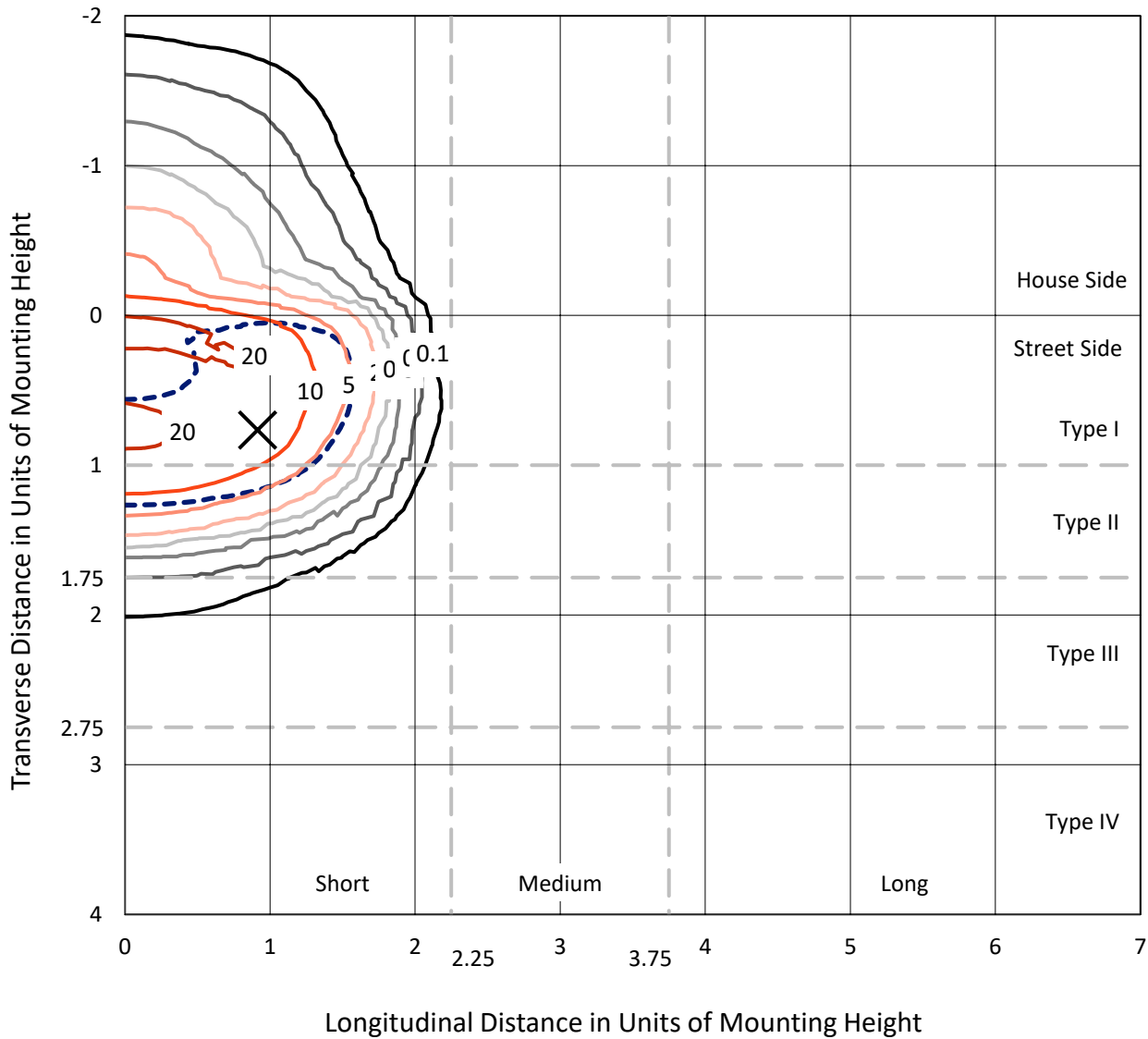
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631367
 CATALOG NUMBER: GWS-SA1F-750-U-AFL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

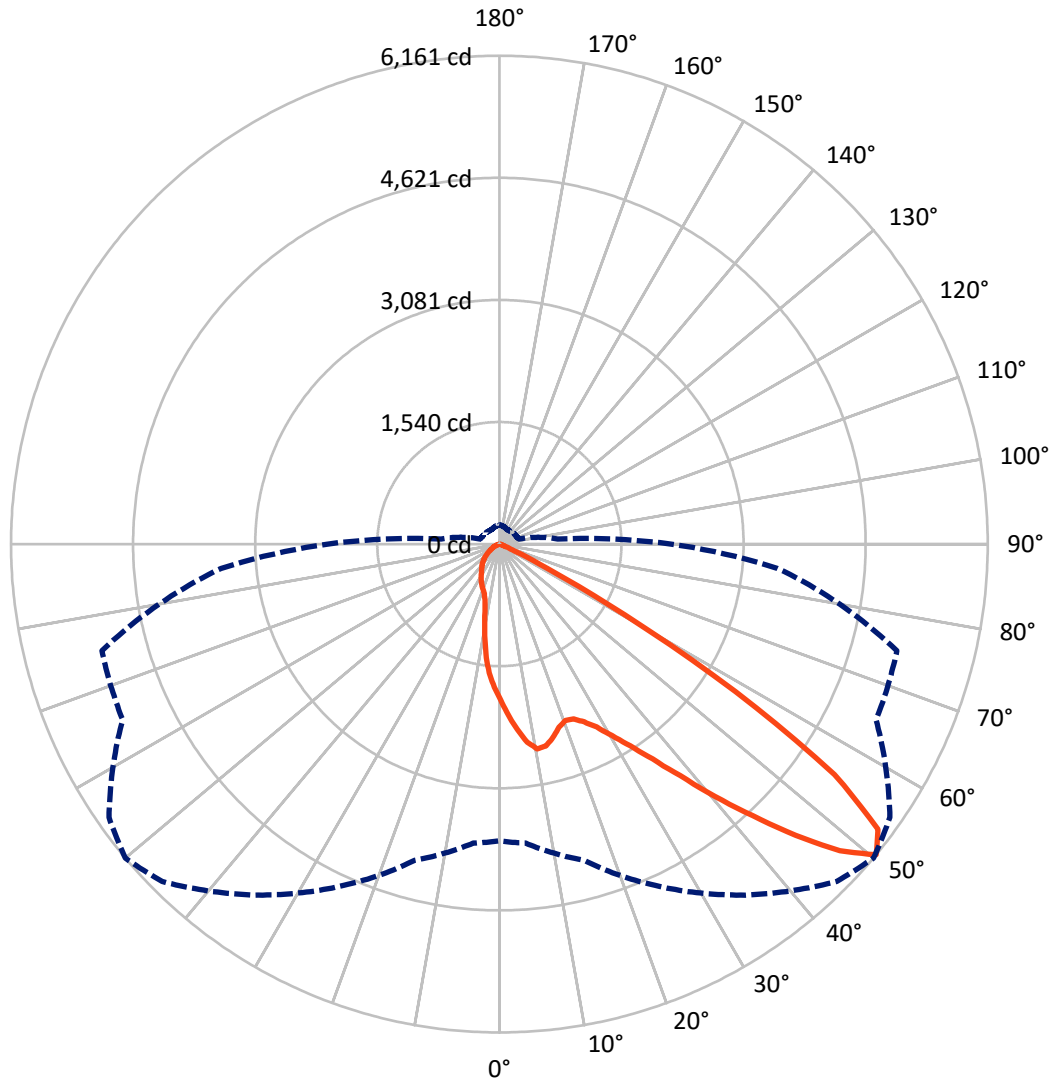
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.2 fc
 Type II - Short - N/A

REPORT NUMBER: P631367
CATALOG NUMBER: GWS-SA1F-750-U-AFL-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631367
 CATALOG NUMBER: GWS-SA1F-750-U-AFL-W-GRSBK

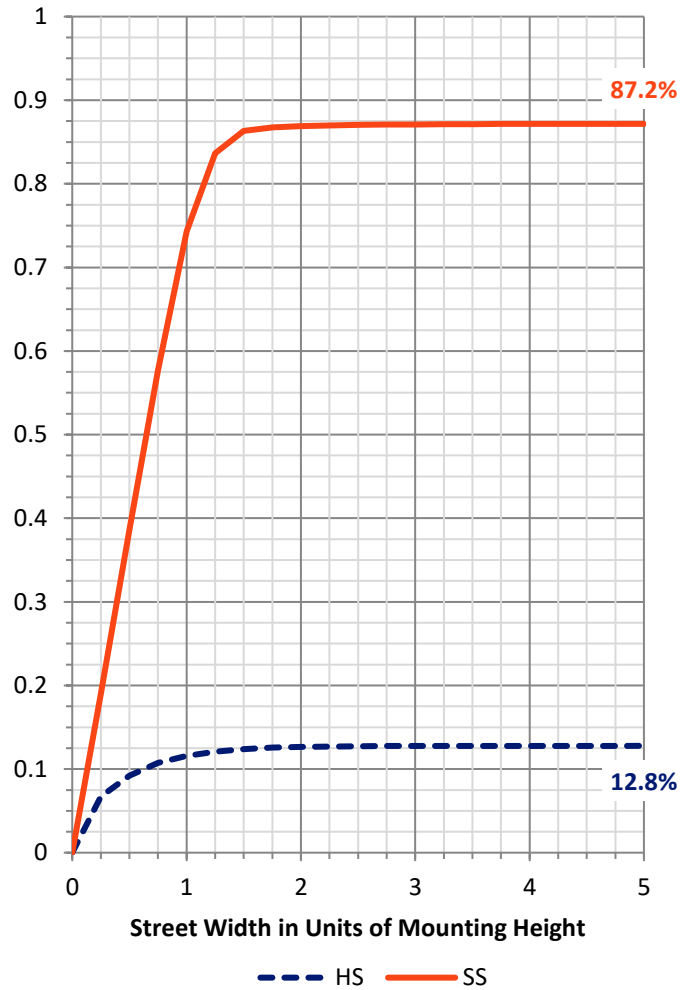
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	833.9	0.0	833.9
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	5656.7	0.0	5656.7
	% Fixture	87.2	0.0	87.2
Total	Lumens	6490.6	0.0	6490.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	2.8
10°-20°	470.6	7.3
20°-30°	776.7	12.0
30°-40°	1281.8	19.7
40°-50°	2028.0	31.2
50°-60°	1535.5	23.7
60°-70°	192.2	3.0
70°-80°	21.7	0.3
80°-90°	1.7	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°	6490.6	100.0
0°-180°	6490.6	100.0

Coefficient of Utilization



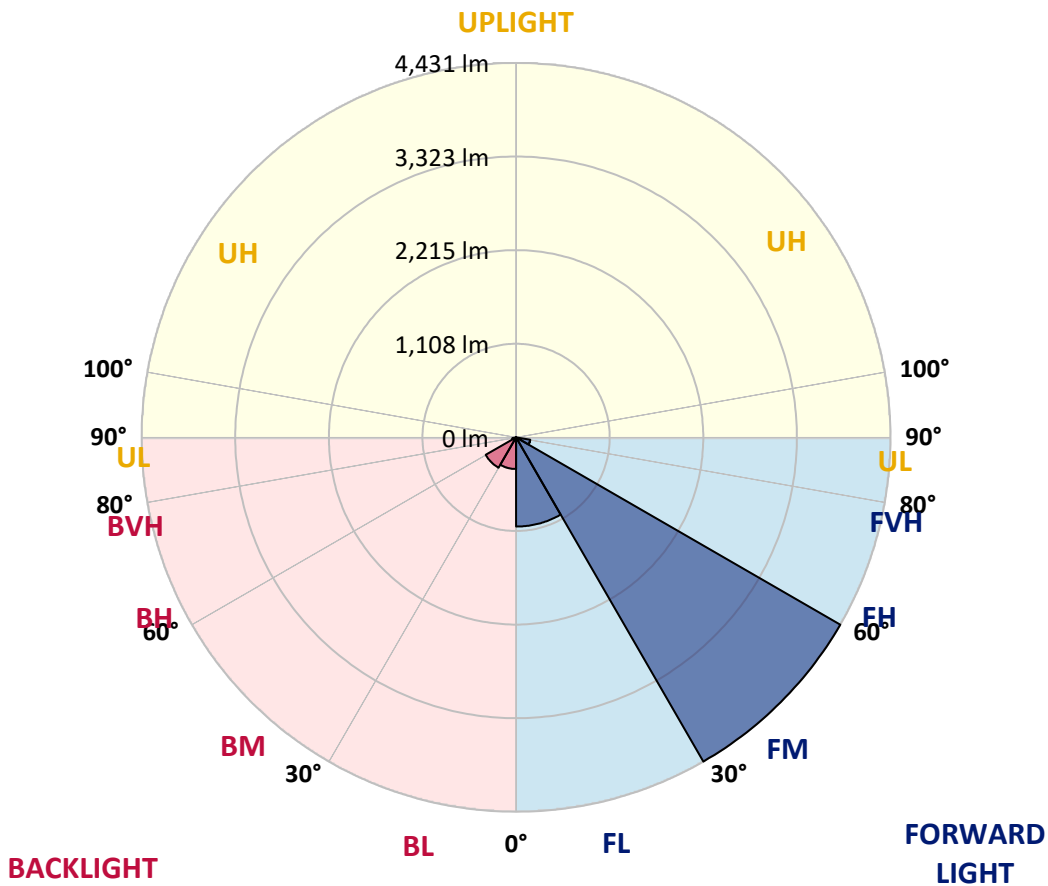
REPORT NUMBER: P631367

CATALOG NUMBER: GWS-SA1F-750-U-AFL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1055.5	16.3			
FM (30°-60°)	4430.5	68.3			
FH (60°-80°)	169.9	2.6			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	374.3	5.8	B1/500		
BM (30°-60°)	414.7	6.4	B1/1000		
BH (60°-80°)	44.0	0.7	B0/110		G0/110
BVH (80°-90°)	0.9	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





REPORT NUMBER: P631367

CATALOG NUMBER: GWS-SA1F-750-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1966.4	1966.4	1966.4	1966.4	1966.4	1966.4	1966.4	1966.4	1966.4	1966.4	1966.4
2.5°	2240.7	2258.6	2253.7	2230.2	2204.9	2186.9	2159.1	2150.5	2087.5	2043.6	1997.3
5°	2511.3	2516.8	2510.7	2482.2	2437.8	2395.1	2349.4	2322.9	2217.2	2122.1	2025.1
7.5°	2576.1	2569.3	2581.1	2595.3	2589.1	2570.6	2522.4	2493.4	2367.3	2212.3	2065.2
10°	2373.5	2358.1	2401.9	2475.4	2552.7	2639.8	2627.4	2629.9	2513.7	2325.9	2117.7
12.5°	2104.8	2098.6	2131.3	2216.6	2368.0	2565.6	2613.2	2692.9	2647.8	2448.9	2177.7
15°	1986.8	1989.9	2009.6	2063.4	2172.1	2418.0	2532.3	2676.2	2767.7	2568.1	2243.8
17.5°	2004.7	2015.8	2015.2	2033.1	2099.2	2296.3	2429.7	2623.7	2860.3	2705.3	2319.8
20°	2126.4	2137.5	2120.8	2107.2	2129.5	2265.4	2376.0	2570.6	2922.7	2843.6	2400.1
22.5°	2308.6	2321.6	2282.1	2243.2	2229.0	2316.1	2396.4	2549.0	2970.3	2970.3	2471.7
25°	2529.2	2547.1	2485.9	2416.8	2377.2	2422.9	2483.5	2597.8	3019.1	3084.0	2520.5
27.5°	2775.7	2776.3	2723.8	2646.0	2571.8	2577.4	2613.8	2707.7	3072.8	3206.3	2558.8
30°	3053.1	3054.9	2985.1	2891.8	2798.5	2773.2	2804.1	2875.1	3184.7	3360.1	2612.0
32.5°	3411.4	3420.0	3319.9	3182.8	3061.7	3014.1	3032.1	3106.8	3362.6	3552.9	2691.7
35°	3895.7	3905.0	3757.3	3576.3	3383.6	3311.9	3329.8	3405.2	3620.2	3826.5	2818.9
37.5°	4373.9	4386.2	4236.7	4068.1	3803.7	3685.1	3703.6	3775.3	4006.9	4204.6	3022.8
40°	4704.4	4721.1	4674.7	4561.1	4315.8	4160.1	4182.4	4208.3	4432.6	4656.8	3287.2
42.5°	4878.6	4902.1	4921.9	4979.9	4850.8	4720.5	4682.8	4684.6	4865.6	5117.7	3562.1
45°	4889.1	4912.0	5013.3	5237.5	5335.8	5308.6	5240.0	5193.7	5196.1	5424.7	3733.9
47.5°	4549.3	4592.0	4781.6	5220.9	5590.3	5815.8	5781.2	5671.2	5335.1	5445.1	3715.3
50°	3744.4	3786.4	4131.1	4763.1	5405.0	6018.4	6161.1	6013.5	5244.3	5191.2	3524.4
52.5°	2719.5	2723.8	2947.4	3685.7	4653.7	5644.7	5980.7	5966.5	5106.0	4883.6	3263.7
55°	1291.8	1276.3	1527.8	2080.1	3218.6	4565.4	5131.9	5292.5	4909.5	4661.2	3061.7
57.5°	376.2	383.6	495.5	811.8	1609.9	2917.8	3514.6	3813.6	4029.8	3832.1	2374.7
60°	168.7	169.3	188.4	247.1	536.2	1357.3	1816.9	2186.9	2409.3	2232.7	1178.1
62.5°	122.3	122.9	130.4	139.6	182.2	459.6	681.4	908.1	924.8	605.4	298.4
65°	101.9	101.9	103.2	103.2	109.3	164.3	207.0	266.9	224.9	166.8	116.8
67.5°	82.2	82.8	84.0	84.0	82.2	82.2	89.0	97.6	104.4	129.1	107.5
70°	64.2	63.6	63.6	64.2	62.4	53.1	57.5	65.5	71.7	100.7	93.3
72.5°	50.0	50.7	50.0	47.6	43.2	31.5	34.0	42.6	45.7	63.0	63.0
75°	37.7	38.3	35.8	27.2	17.9	9.9	13.0	21.0	26.6	30.9	22.9
77.5°	4.9	4.9	3.7	3.7	3.1	3.7	3.7	4.9	7.4	7.4	5.6
80°	0.6	0.6	0.6	1.2	1.9	2.5	2.5	2.5	2.5	3.1	3.1
82.5°	0.6	0.6	0.6	0.6	1.9	1.9	2.5	2.5	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.6	1.2	1.9	1.9	2.5	2.5	2.5	2.5
87.5°	0.0	0.0	0.0	0.6	1.2	1.9	1.9	1.9	2.5	2.5	2.5
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: P631367
 CATALOG NUMBER: GWS-SA1F-750-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1966.4	1966.4	1966.4	1966.4	1966.4	1966.4	1966.4	1966.4	1966.4	1966.4	1966.4
2.5°	1969.5	1933.7	1890.4	1860.8	1818.7	1790.9	1751.4	1724.8	1702.0	1684.1	1694.0
5°	1970.1	1913.3	1824.9	1749.6	1667.4	1592.0	1511.1	1447.5	1390.0	1364.1	1378.3
7.5°	1982.5	1900.9	1765.6	1631.6	1474.0	1318.3	1172.5	1053.9	995.2	967.4	976.1
10°	2006.5	1895.3	1699.5	1477.1	1221.4	1008.8	867.4	787.1	754.3	737.0	740.1
12.5°	2028.8	1891.6	1613.6	1273.9	963.7	782.7	709.2	698.1	704.9	705.5	704.9
15°	2059.1	1884.8	1507.4	1065.1	771.0	676.5	678.3	694.4	710.4	715.4	714.2
17.5°	2091.2	1874.3	1370.2	864.9	654.2	645.6	667.2	688.8	704.9	707.4	708.0
20°	2124.5	1852.7	1213.9	706.1	599.9	622.1	646.2	662.3	674.0	677.7	678.9
22.5°	2140.0	1807.0	1033.5	592.5	563.4	593.1	611.0	632.0	635.7	622.1	624.6
25°	2132.0	1729.8	857.5	515.8	527.0	556.6	583.2	572.7	557.2	547.4	550.4
27.5°	2106.6	1627.2	685.1	459.6	488.0	525.7	528.8	517.1	514.6	506.6	509.1
30°	2079.4	1509.2	551.1	414.5	448.5	488.0	478.8	483.1	483.7	474.5	477.5
32.5°	2062.8	1385.7	438.6	384.3	423.2	430.6	449.1	457.8	458.4	436.8	440.5
35°	2068.3	1264.0	371.3	359.5	399.7	397.9	423.8	428.7	392.9	363.3	366.3
37.5°	2113.4	1151.5	333.0	340.4	358.9	373.1	392.9	360.2	352.1	338.5	340.4
40°	2197.4	1055.8	310.1	328.7	331.1	354.0	323.7	328.0	328.7	320.0	321.9
42.5°	2295.7	976.1	296.5	321.9	315.7	319.4	289.1	297.8	307.0	303.3	303.9
45°	2345.1	898.3	284.8	298.4	300.2	265.0	258.2	267.5	279.2	281.1	281.7
47.5°	2301.2	824.1	272.4	264.4	276.8	241.6	233.5	236.6	250.2	257.6	258.8
50°	2167.2	738.9	253.9	234.1	227.3	216.8	209.4	210.0	225.5	238.5	240.9
52.5°	1978.7	649.9	223.6	198.3	182.9	190.9	192.7	189.0	203.2	216.2	218.7
55°	1795.9	538.7	177.3	161.2	147.0	164.3	169.3	164.3	168.7	177.3	177.9
57.5°	1264.6	304.6	135.9	133.4	121.7	140.9	148.9	141.5	134.1	139.6	140.9
60°	586.3	159.4	104.4	104.4	101.3	121.1	134.7	124.2	110.0	112.4	114.3
62.5°	183.5	100.7	76.6	72.3	82.8	103.2	114.3	103.8	87.1	87.1	89.6
65°	103.8	86.5	60.5	55.6	67.3	82.8	89.6	78.5	63.6	62.4	62.4
67.5°	96.4	82.2	53.7	45.1	47.6	53.1	55.6	48.2	43.9	43.2	43.9
70°	79.7	68.6	43.2	30.9	29.0	28.4	29.7	27.8	26.6	27.2	29.0
72.5°	49.4	41.4	27.2	18.5	16.1	15.4	15.4	15.4	14.8	14.8	14.8
75°	17.9	15.4	12.4	9.3	8.0	7.4	7.4	8.0	7.4	6.8	6.2
77.5°	5.6	4.9	4.9	4.9	4.3	3.7	3.1	3.1	2.5	1.9	1.9
80°	3.1	3.1	3.1	3.1	2.5	2.5	1.9	1.2	0.6	0.6	0.0
82.5°	3.1	3.1	3.1	2.5	2.5	2.5	1.9	1.2	0.6	0.0	0.0
85°	2.5	2.5	2.5	2.5	2.5	2.5	1.9	1.2	0.6	0.0	0.0
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	1.9	1.2	0.6	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)