

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: P636353

Luminaire Tested: GWS-SA3F-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18361.7 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

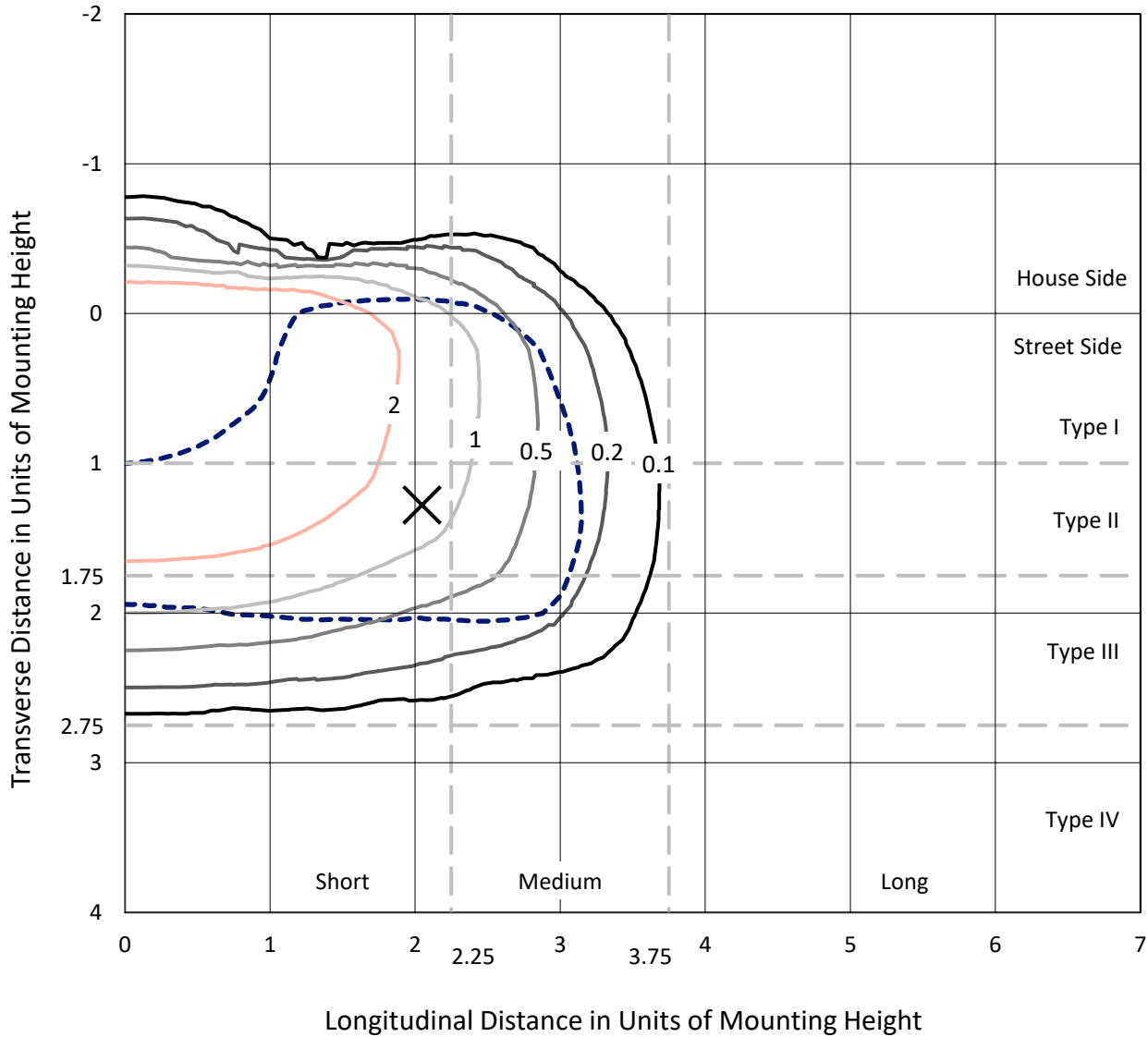
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

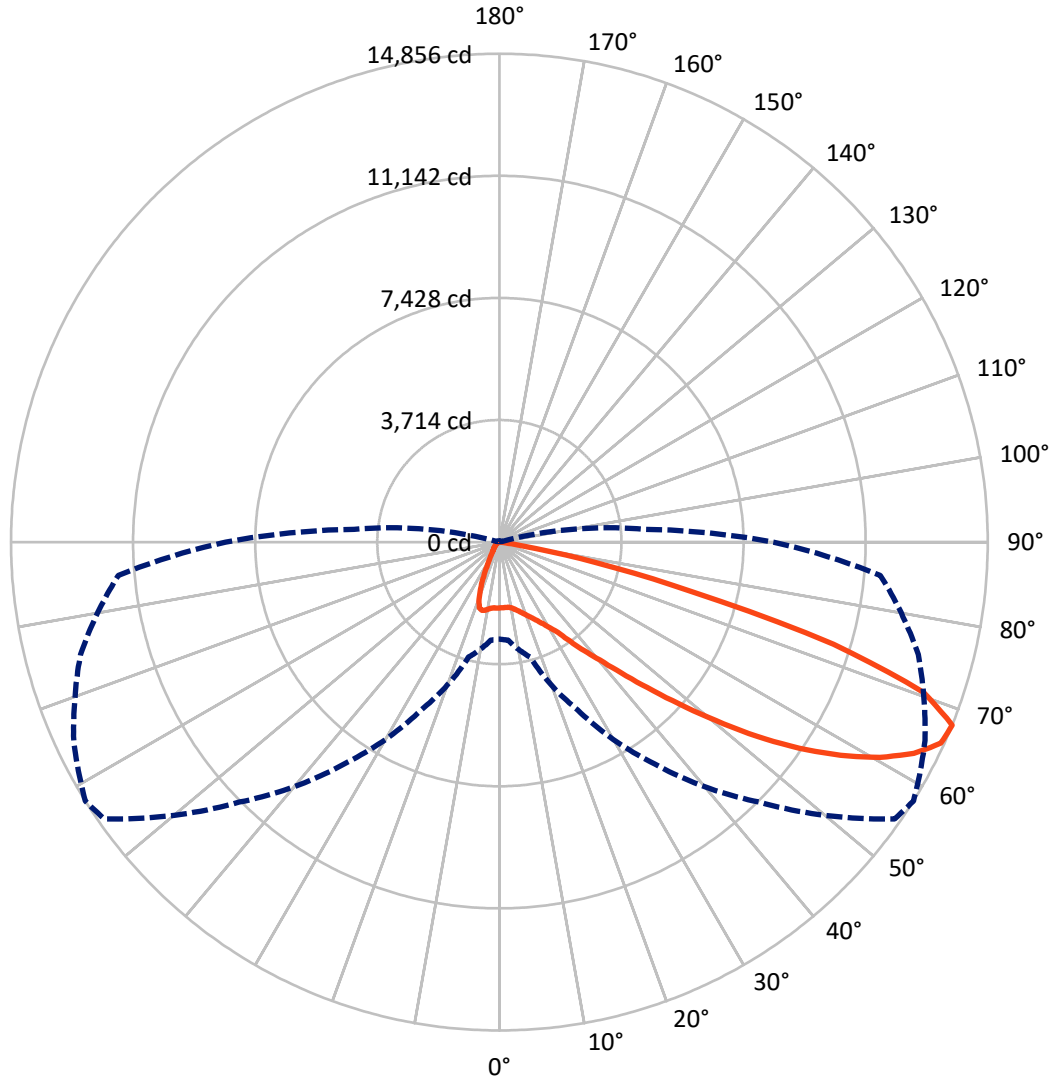
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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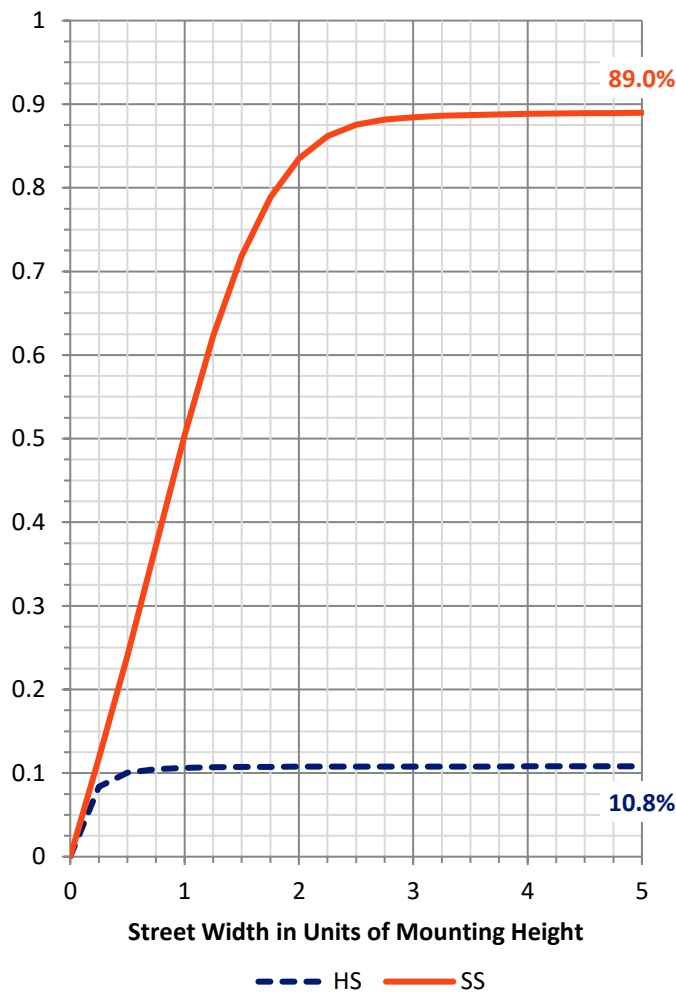
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2003.2	0.0	2003.2
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	16358.5	0.0	16358.5
	% Fixture	89.1	0.0	89.1
Total	Lumens	18361.7	0.0	18361.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.0	1.0
10°-20°	527.7	2.9
20°-30°	921.2	5.0
30°-40°	1645.1	9.0
40°-50°	3006.9	16.4
50°-60°	5000.8	27.2
60°-70°	5431.8	29.6
70°-80°	1594.8	8.7
80°-90°	45.4	0.2
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°	18361.7	100.0
0°-180°	18361.7	100.0

Coefficient of Utilization



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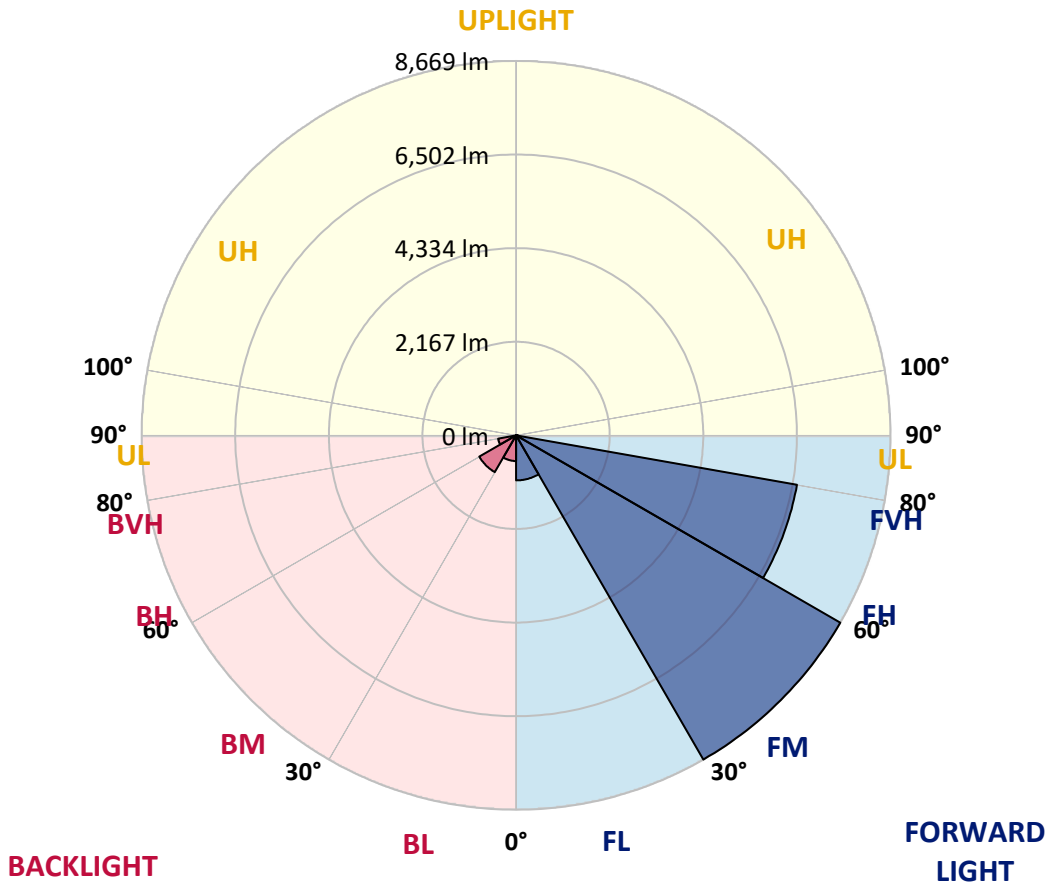
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1042.7	5.7			
FM (30°-60°)	8668.9	47.2			
FH (60°-80°)	6603.7	36.0			G3/7500
FVH (80°-90°)	43.2	0.2			G1/100
BL (0°-30°)	594.2	3.2	B2/1000		
BM (30°-60°)	983.9	5.4	B1/1000		
BH (60°-80°)	422.9	2.3	B1/500		G1/500
BVH (80°-90°)	2.2	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9
2.5°	1963.2	1959.6	1959.6	1974.0	1975.8	1982.9	1999.1	2000.9	2009.8	2006.3	1993.7
5°	1861.0	1862.8	1873.6	1898.7	1920.2	1947.1	1986.5	1995.5	2015.2	2026.0	2018.8
7.5°	1766.0	1767.8	1783.9	1823.4	1864.6	1918.4	1982.9	2000.9	2040.3	2069.0	2070.8
10°	1730.1	1728.4	1744.5	1789.3	1843.1	1918.4	2011.6	2034.9	2094.1	2144.3	2153.3
12.5°	1740.9	1739.1	1755.2	1796.5	1855.7	1950.7	2061.8	2094.1	2169.4	2246.5	2262.6
15°	1783.9	1782.1	1792.9	1827.0	1891.5	1990.1	2126.4	2174.8	2269.8	2363.0	2388.1
17.5°	1913.0	1904.1	1893.3	1896.9	1934.5	2036.7	2208.9	2268.0	2386.4	2497.5	2519.0
20°	2142.5	2119.2	2090.5	2052.9	2034.9	2104.9	2303.9	2372.0	2515.4	2642.7	2646.3
22.5°	2488.5	2479.6	2413.2	2303.9	2226.8	2228.6	2415.0	2493.9	2669.6	2809.5	2789.8
25°	2970.8	2965.5	2863.3	2684.0	2483.2	2415.0	2556.7	2637.4	2852.5	3001.3	2938.6
27.5°	3569.7	3532.0	3411.9	3169.8	2870.4	2657.1	2736.0	2807.7	3046.1	3186.0	3067.7
30°	4091.4	4093.2	3980.2	3727.4	3390.4	3021.0	2954.7	3017.5	3223.6	3370.7	3227.2
32.5°	4593.4	4609.5	4485.8	4258.1	3888.8	3496.2	3268.5	3279.2	3451.3	3610.9	3437.0
35°	5059.6	5072.1	4986.1	4792.4	4448.2	3992.8	3705.9	3700.5	3793.8	3956.9	3729.2
37.5°	5581.3	5593.8	5509.6	5335.7	5012.9	4561.1	4202.6	4195.4	4233.0	4365.7	4105.7
40°	6137.1	6160.4	6067.2	5920.2	5611.8	5229.9	4779.9	4715.3	4677.7	4833.7	4593.4
42.5°	6700.1	6735.9	6703.7	6556.6	6293.1	5977.5	5529.3	5428.9	5348.2	5543.6	5289.1
45°	7399.3	7442.3	7428.0	7315.0	7110.6	6854.3	6431.1	6314.6	6276.9	6458.0	6155.0
47.5°	8071.6	8118.3	8170.2	8145.1	7999.9	7881.6	7411.8	7345.5	7334.8	7528.4	7058.6
50°	8571.9	8614.9	8813.9	8957.3	9055.9	9030.8	8623.9	8525.2	8509.1	8632.8	8012.5
52.5°	8930.4	8971.7	9246.0	9694.2	10056.4	10253.6	9843.0	9821.5	9733.7	9690.6	8905.3
55°	9208.3	9265.7	9554.4	10232.1	10961.8	11399.3	11142.9	11065.8	10839.9	10592.5	9733.7
57.5°	9263.9	9287.2	9694.2	10608.6	11664.6	12372.8	12372.8	12238.3	11802.7	11460.2	10691.1
60°	8765.5	8837.2	9387.6	10578.1	11965.8	13009.3	13393.0	13299.7	12711.7	12290.3	11612.6
62.5°	7659.3	7740.0	8410.5	9848.4	11664.6	13140.2	14165.7	14151.4	13488.0	12977.0	12376.4
65°	5873.5	5932.7	6517.2	8238.4	10391.7	12636.4	14717.9	14757.4	14101.2	13430.6	12639.9
67.5°	2951.1	2992.4	3623.5	5627.9	8236.6	11185.9	14680.3	14856.0	14287.6	13190.4	11634.1
70°	1030.9	1072.2	1369.8	2415.0	5012.9	8541.4	13410.9	13697.8	13192.2	11259.4	8582.6
72.5°	353.2	372.9	568.3	896.5	1950.7	5063.2	10198.0	10630.1	9724.7	7558.9	4932.3
75°	200.8	213.4	304.8	485.9	817.6	1665.6	5785.7	6051.0	5669.2	4120.1	2029.6
77.5°	136.3	147.0	190.0	276.1	451.8	536.1	2359.5	2970.8	2590.7	1344.7	518.1
80°	80.7	87.9	116.5	163.2	231.3	208.0	505.6	672.3	866.0	401.6	156.0
82.5°	37.7	43.0	75.3	107.6	116.5	87.9	148.8	181.1	243.8	197.2	64.5
85°	0.0	0.0	25.1	44.8	43.0	25.1	41.2	44.8	66.3	98.6	25.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4	10.8	19.7	10.8
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°	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9
2.5°	2008.0	1995.5	2009.8	2002.7	2009.8	2008.0	1993.7	1984.7	1984.7	1968.6	1963.2
5°	2033.1	2020.6	2024.2	2008.0	2004.5	1995.5	1977.6	1970.4	1970.4	1954.3	1948.9
7.5°	2088.7	2069.0	2065.4	2033.1	2018.8	1993.7	1961.4	1948.9	1947.1	1931.0	1925.6
10°	2176.6	2153.3	2137.1	2095.9	2054.7	2004.5	1936.3	1879.0	1846.7	1803.7	1800.1
12.5°	2284.2	2255.5	2230.4	2167.6	2099.5	1986.5	1785.7	1576.0	1446.9	1344.7	1351.8
15°	2404.3	2377.4	2337.9	2242.9	2103.1	1809.0	1389.5	1066.8	909.0	824.7	821.1
17.5°	2535.2	2495.7	2431.2	2302.1	1990.1	1382.3	903.6	638.3	555.8	527.1	519.9
20°	2657.1	2608.7	2528.0	2314.6	1663.8	935.9	564.8	494.8	480.5	471.5	471.5
22.5°	2786.2	2725.2	2605.1	2217.8	1237.1	598.8	480.5	464.4	453.6	441.1	439.3
25°	2917.0	2838.2	2675.0	1965.0	810.4	471.5	450.0	432.1	412.4	392.6	387.3
27.5°	3028.2	2926.0	2728.8	1588.5	519.9	424.9	410.6	380.1	353.2	331.7	328.1
30°	3160.9	3030.0	2752.1	1161.8	408.8	374.7	353.2	320.9	288.7	267.1	260.0
32.5°	3338.4	3194.9	2716.2	756.6	362.2	329.9	295.8	258.2	225.9	202.6	199.0
35°	3614.5	3444.2	2551.3	482.3	328.1	285.1	243.8	204.4	177.5	159.6	156.0
37.5°	3951.6	3793.8	2280.6	362.2	294.0	247.4	199.0	161.4	141.6	129.1	125.5
40°	4451.8	4231.2	1945.3	317.3	260.0	209.8	163.2	132.7	118.3	107.6	104.0
42.5°	5100.8	4747.6	1559.8	288.7	227.7	175.7	132.7	109.4	96.8	89.6	87.9
45°	5859.2	5251.4	1152.8	260.0	197.2	145.2	109.4	89.6	80.7	75.3	73.5
47.5°	6635.5	5692.5	796.0	229.5	168.5	120.1	91.4	77.1	69.9	62.8	61.0
50°	7463.8	6065.4	543.2	199.0	143.4	98.6	78.9	69.9	61.0	55.6	53.8
52.5°	8071.6	6203.4	378.3	172.1	121.9	84.3	69.9	62.8	55.6	48.4	46.6
55°	8632.8	6199.8	286.9	145.2	104.0	73.5	62.8	55.6	48.4	43.0	41.2
57.5°	9192.2	6151.4	225.9	123.7	89.6	66.3	55.6	48.4	44.8	37.7	35.9
60°	9554.4	5968.6	175.7	104.0	77.1	57.4	48.4	43.0	37.7	32.3	30.5
62.5°	9746.2	5714.0	134.5	82.5	62.8	50.2	43.0	37.7	32.3	26.9	25.1
65°	9486.2	5262.2	105.8	64.5	48.4	43.0	35.9	30.5	25.1	19.7	17.9
67.5°	8333.4	4437.4	82.5	52.0	37.7	32.3	30.5	25.1	17.9	14.3	12.6
70°	5889.7	3039.0	64.5	39.4	28.7	25.1	23.3	19.7	14.3	10.8	9.0
72.5°	3232.6	1532.9	46.6	28.7	21.5	19.7	17.9	16.1	12.6	9.0	9.0
75°	1244.3	421.3	34.1	19.7	14.3	14.3	12.6	12.6	10.8	7.2	7.2
77.5°	324.5	125.5	21.5	12.6	9.0	9.0	9.0	7.2	7.2	5.4	5.4
80°	104.0	41.2	12.6	9.0	7.2	5.4	5.4	3.6	5.4	3.6	3.6
82.5°	34.1	14.3	7.2	7.2	5.4	3.6	3.6	1.8	1.8	0.0	0.0
85°	12.6	7.2	5.4	3.6	3.6	3.6	1.8	0.0	0.0	0.0	0.0
87.5°	7.2	3.6	3.6	3.6	3.6	1.8	0.0	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)