

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: P642348

Luminaire Tested: GWS-SA6C-760-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642348
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-SA6C-760-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21031.4 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

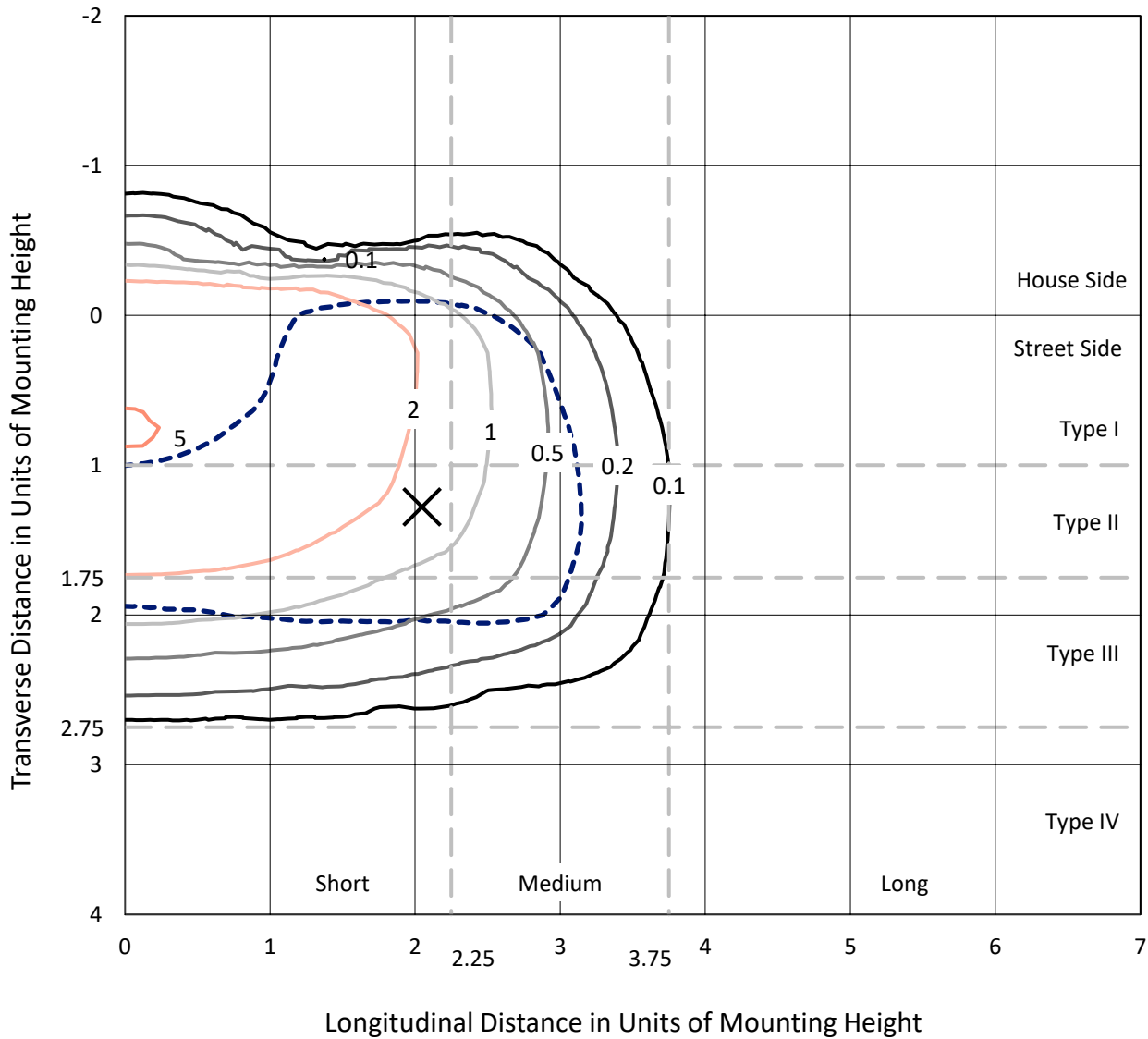
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

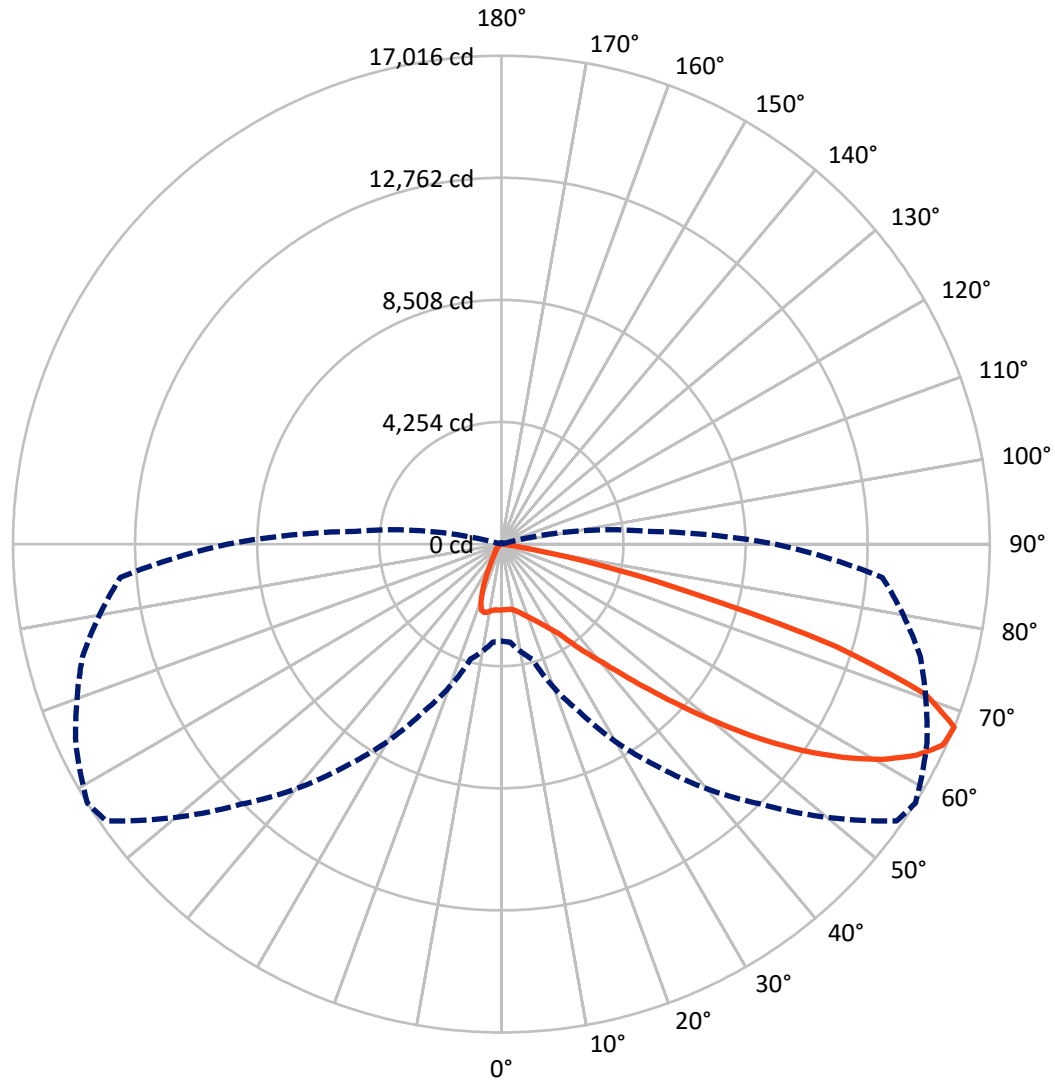
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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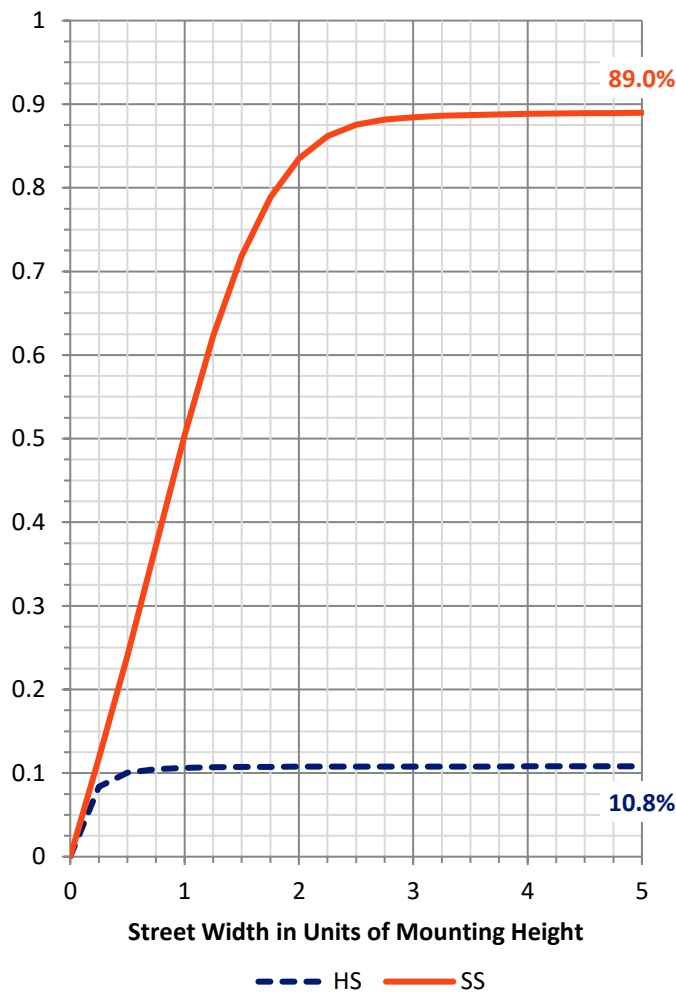
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2294.5	0.0	2294.5
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	18736.9	0.0	18736.9
	% Fixture	89.1	0.0	89.1
Total	Lumens	21031.4	0.0	21031.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.3	1.0
10°-20°	604.5	2.9
20°-30°	1055.1	5.0
30°-40°	1884.3	9.0
40°-50°	3444.1	16.4
50°-60°	5727.9	27.2
60°-70°	6221.5	29.6
70°-80°	1826.7	8.7
80°-90°	52.0	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°	21031.4	100.0
0°-180°	21031.4	100.0

Coefficient of Utilization



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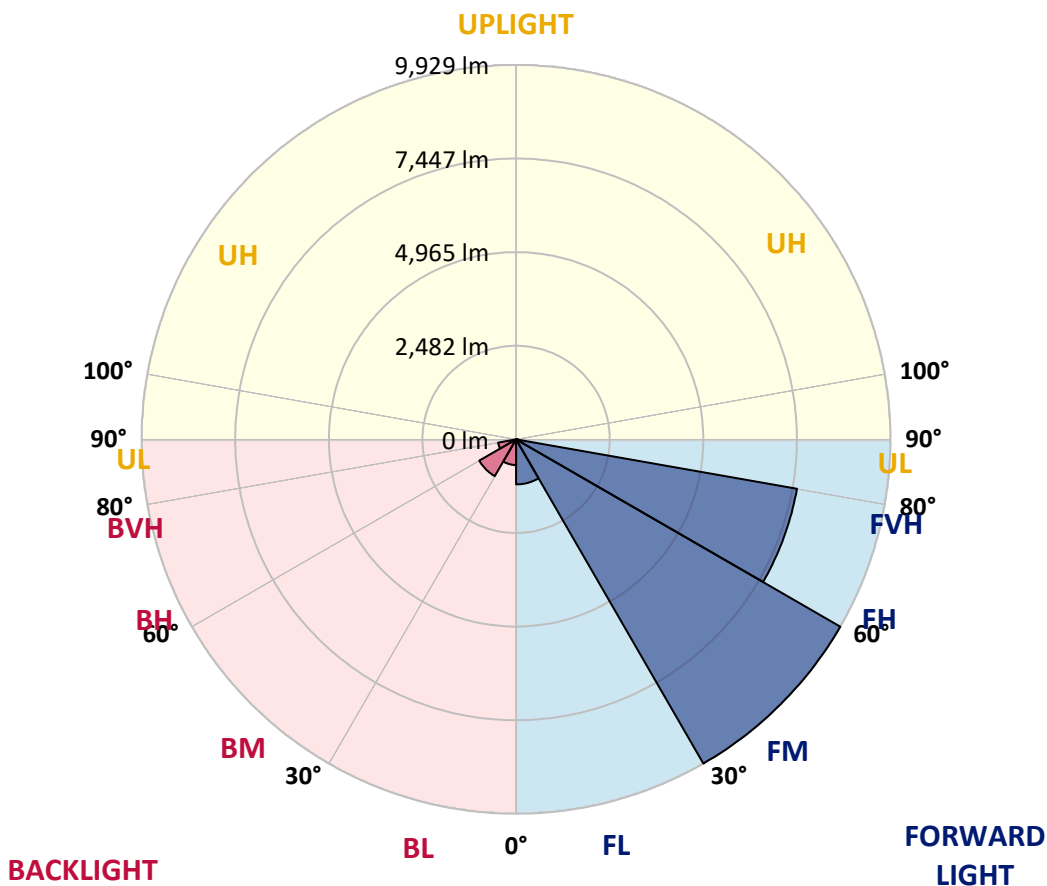
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1194.3	5.7			
FM (30°-60°)	9929.4	47.2			
FH (60°-80°)	7563.9	36.0			G4/12000
FVH (80°-90°)	49.5	0.2			G1/100
BL (0°-30°)	680.6	3.2	B2/1000		
BM (30°-60°)	1127.0	5.4	B2/2500		
BH (60°-80°)	484.4	2.3	B1/500		G1/500
BVH (80°-90°)	2.6	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2291.8	2291.8	2291.8	2291.8	2291.8	2291.8	2291.8	2291.8	2291.8	2291.8	2291.8
2.5°	2248.7	2244.6	2244.6	2261.0	2263.0	2271.3	2289.7	2291.8	2302.1	2298.0	2283.6
5°	2131.6	2133.7	2146.0	2174.7	2199.4	2230.2	2275.4	2285.6	2308.2	2320.5	2312.3
7.5°	2022.8	2024.8	2043.3	2088.5	2135.7	2197.3	2271.3	2291.8	2337.0	2369.8	2371.9
10°	1981.7	1979.7	1998.1	2049.5	2111.1	2197.3	2304.1	2330.8	2398.6	2456.1	2466.3
12.5°	1994.0	1992.0	2010.5	2057.7	2125.5	2234.3	2361.6	2398.6	2484.8	2573.1	2591.6
15°	2043.3	2041.3	2053.6	2092.6	2166.5	2279.5	2435.5	2491.0	2599.8	2706.6	2735.4
17.5°	2191.2	2180.9	2168.6	2172.7	2215.8	2332.9	2530.0	2597.8	2733.3	2860.6	2885.3
20°	2454.0	2427.3	2394.5	2351.3	2330.8	2410.9	2638.8	2716.9	2881.2	3027.0	3031.1
22.5°	2850.4	2840.1	2764.1	2638.8	2550.5	2552.6	2766.2	2856.5	3057.8	3218.0	3195.4
25°	3402.8	3396.6	3279.6	3074.2	2844.2	2766.2	2928.4	3020.8	3267.2	3437.7	3365.8
27.5°	4088.7	4045.6	3908.0	3630.7	3287.8	3043.4	3133.8	3215.9	3489.0	3649.2	3513.7
30°	4686.3	4688.3	4558.9	4269.4	3883.3	3460.3	3384.3	3456.2	3692.3	3860.7	3696.4
32.5°	5261.3	5279.8	5138.1	4877.3	4454.2	4004.5	3743.7	3756.0	3953.1	4135.9	3936.7
35°	5795.2	5809.6	5711.0	5489.2	5094.9	4573.3	4244.7	4238.6	4345.4	4532.2	4271.4
37.5°	6392.8	6407.2	6310.6	6111.5	5741.8	5224.3	4813.6	4805.4	4848.5	5000.5	4702.7
40°	7029.4	7056.1	6949.3	6780.9	6427.7	5990.3	5474.8	5400.9	5357.8	5536.4	5261.3
42.5°	7674.2	7715.3	7678.3	7509.9	7208.1	6846.6	6333.2	6218.2	6125.8	6349.7	6058.1
45°	8475.1	8524.4	8508.0	8378.6	8144.5	7850.8	7366.2	7232.7	7189.6	7397.0	7049.9
47.5°	9245.2	9298.6	9358.2	9329.4	9163.1	9027.5	8489.5	8413.5	8401.2	8623.0	8084.9
50°	9818.2	9867.4	10095.4	10259.7	10372.6	10343.9	9877.7	9764.8	9746.3	9888.0	9177.4
52.5°	10228.9	10276.1	10590.3	11103.7	11518.5	11744.4	11274.1	11249.5	11148.9	11099.6	10200.1
55°	10547.2	10612.9	10943.5	11719.8	12555.6	13056.7	12763.0	12674.7	12415.9	12132.5	11148.9
57.5°	10610.8	10637.5	11103.7	12151.0	13360.6	14171.7	14171.7	14017.7	13518.7	13126.5	12245.5
60°	10039.9	10122.1	10752.5	12116.1	13705.6	14900.8	15340.2	15233.4	14559.9	14077.3	13301.0
62.5°	8772.9	8865.3	9633.3	11280.3	13360.6	15050.7	16225.3	16208.9	15449.1	14863.8	14175.9
65°	6727.5	6795.3	7464.8	9436.2	11902.5	14473.6	16857.8	16903.0	16151.4	15383.4	14477.7
67.5°	3380.2	3427.4	4150.3	6446.2	9434.1	12812.3	16814.7	17016.0	16365.0	15108.2	13325.7
70°	1180.8	1228.0	1568.9	2766.2	5741.8	9783.3	15360.8	15689.3	15110.2	12896.5	9830.5
72.5°	404.6	427.1	651.0	1026.8	2234.3	5799.3	11680.8	12175.7	11138.6	8657.9	5649.4
75°	230.0	244.4	349.1	556.5	936.4	1907.8	6626.9	6930.8	6493.4	4719.1	2324.7
77.5°	156.1	168.4	217.7	316.3	517.5	614.0	2702.5	3402.8	2967.4	1540.2	593.5
80°	92.4	100.6	133.5	186.9	264.9	238.2	579.1	770.1	991.9	460.0	178.7
82.5°	43.1	49.3	86.3	123.2	133.5	100.6	170.4	207.4	279.3	225.9	73.9
85°	0.0	0.0	28.8	51.3	49.3	28.8	47.2	51.3	76.0	112.9	28.8
87.5°	0.0	0.0	0.0	0.0	0.0	2.1	4.1	6.2	12.3	22.6	12.3
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°	2291.8	2291.8	2291.8	2291.8	2291.8	2291.8	2291.8	2291.8	2291.8	2291.8	2291.8
2.5°	2300.0	2285.6	2302.1	2293.8	2302.1	2300.0	2283.6	2273.3	2273.3	2254.8	2248.7
5°	2328.8	2314.4	2318.5	2300.0	2295.9	2285.6	2265.1	2256.9	2256.9	2238.4	2232.2
7.5°	2392.4	2369.8	2365.7	2328.8	2312.3	2283.6	2246.6	2232.2	2230.2	2211.7	2205.5
10°	2493.0	2466.3	2447.9	2400.6	2353.4	2295.9	2217.9	2152.2	2115.2	2065.9	2061.8
12.5°	2616.3	2583.4	2554.7	2482.8	2404.7	2275.4	2045.4	1805.1	1657.2	1540.2	1548.4
15°	2753.8	2723.0	2677.9	2569.0	2408.8	2072.1	1591.5	1221.9	1041.2	944.6	940.5
17.5°	2903.8	2858.6	2784.7	2636.8	2279.5	1583.3	1035.0	731.1	636.6	603.8	595.5
20°	3043.4	2988.0	2895.5	2651.2	1905.7	1072.0	646.9	566.8	550.4	540.1	540.1
22.5°	3191.3	3121.4	2983.9	2540.3	1417.0	685.9	550.4	531.9	519.6	505.2	503.1
25°	3341.2	3250.8	3063.9	2250.7	928.2	540.1	515.4	494.9	472.3	449.7	443.6
27.5°	3468.5	3351.4	3125.5	1819.5	595.5	486.7	470.3	435.4	404.6	379.9	375.8
30°	3620.5	3470.5	3152.2	1330.7	468.2	429.2	404.6	367.6	330.6	306.0	297.8
32.5°	3823.8	3659.5	3111.2	866.6	414.8	377.9	338.8	295.7	258.8	232.1	227.9
35°	4140.0	3944.9	2922.2	552.4	375.8	326.5	279.3	234.1	203.3	182.8	178.7
37.5°	4526.1	4345.4	2612.2	414.8	336.8	283.4	227.9	184.8	162.2	147.9	143.8
40°	5099.0	4846.4	2228.1	363.5	297.8	240.3	186.9	152.0	135.5	123.2	119.1
42.5°	5842.4	5437.9	1786.6	330.6	260.8	201.3	152.0	125.3	110.9	102.7	100.6
45°	6711.1	6014.9	1320.5	297.8	225.9	166.3	125.3	102.7	92.4	86.3	84.2
47.5°	7600.3	6520.1	911.8	262.9	193.0	137.6	104.7	88.3	80.1	71.9	69.8
50°	8549.0	6947.3	622.2	227.9	164.3	112.9	90.4	80.1	69.8	63.7	61.6
52.5°	9245.2	7105.4	433.3	197.1	139.6	96.5	80.1	71.9	63.7	55.4	53.4
55°	9888.0	7101.3	328.6	166.3	119.1	84.2	71.9	63.7	55.4	49.3	47.2
57.5°	10528.7	7045.8	258.8	141.7	102.7	76.0	63.7	55.4	51.3	43.1	41.1
60°	10943.5	6836.4	201.3	119.1	88.3	65.7	55.4	49.3	43.1	37.0	34.9
62.5°	11163.3	6544.8	154.0	94.5	71.9	57.5	49.3	43.1	37.0	30.8	28.8
65°	10865.5	6027.3	121.2	73.9	55.4	49.3	41.1	34.9	28.8	22.6	20.5
67.5°	9545.0	5082.6	94.5	59.6	43.1	37.0	34.9	28.8	20.5	16.4	14.4
70°	6746.0	3480.8	73.9	45.2	32.9	28.8	26.7	22.6	16.4	12.3	10.3
72.5°	3702.6	1755.8	53.4	32.9	24.6	22.6	20.5	18.5	14.4	10.3	10.3
75°	1425.2	482.6	39.0	22.6	16.4	16.4	14.4	14.4	12.3	8.2	8.2
77.5°	371.7	143.8	24.6	14.4	10.3	10.3	10.3	8.2	8.2	6.2	6.2
80°	119.1	47.2	14.4	10.3	8.2	6.2	6.2	4.1	6.2	4.1	4.1
82.5°	39.0	16.4	8.2	8.2	6.2	4.1	4.1	2.1	2.1	0.0	0.0
85°	14.4	8.2	6.2	4.1	4.1	4.1	2.1	0.0	0.0	0.0	0.0
87.5°	8.2	4.1	4.1	4.1	4.1	2.1	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)