

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: P634896

Luminaire Tested: GWS-SA3C-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11156.4 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

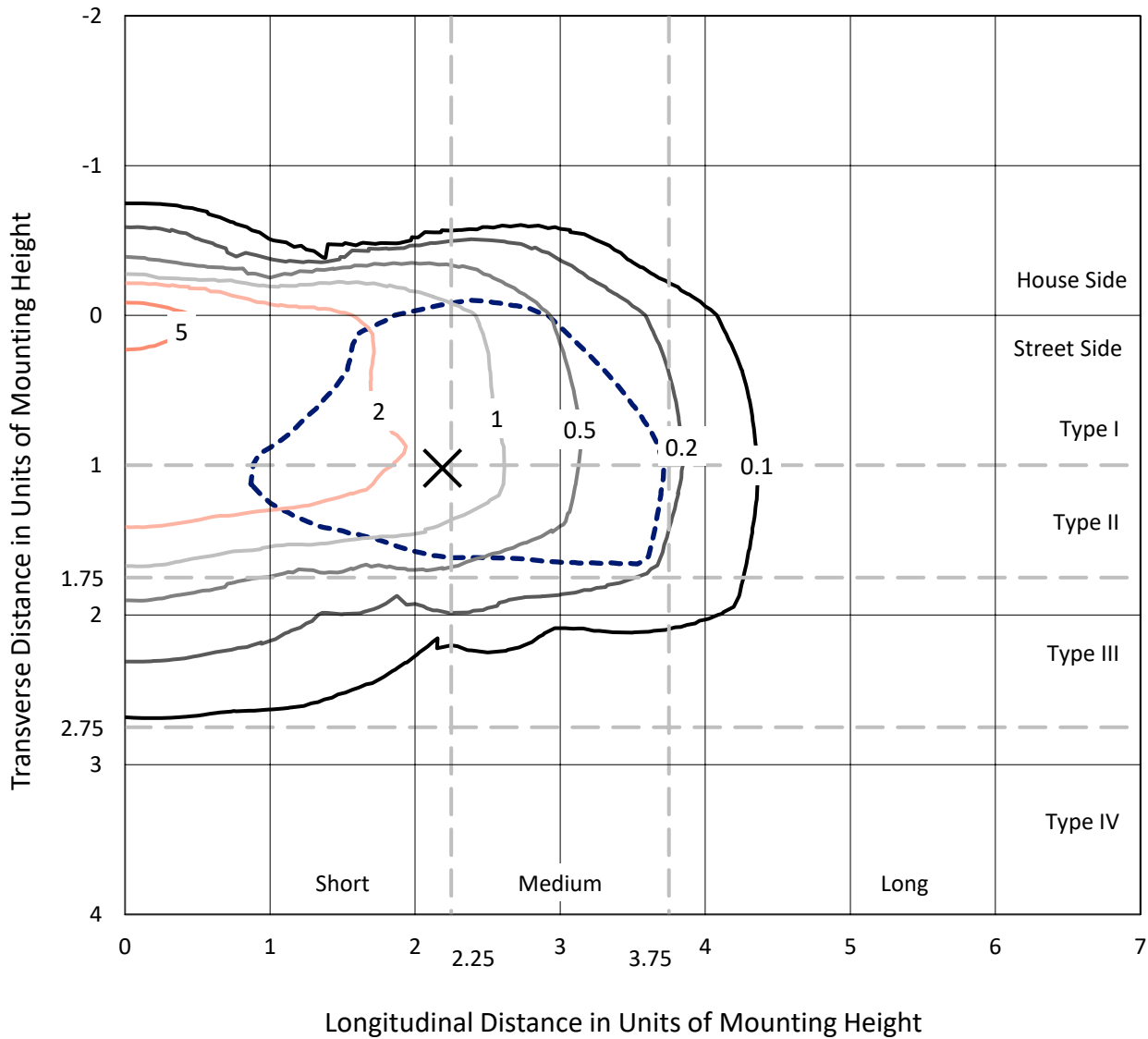
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

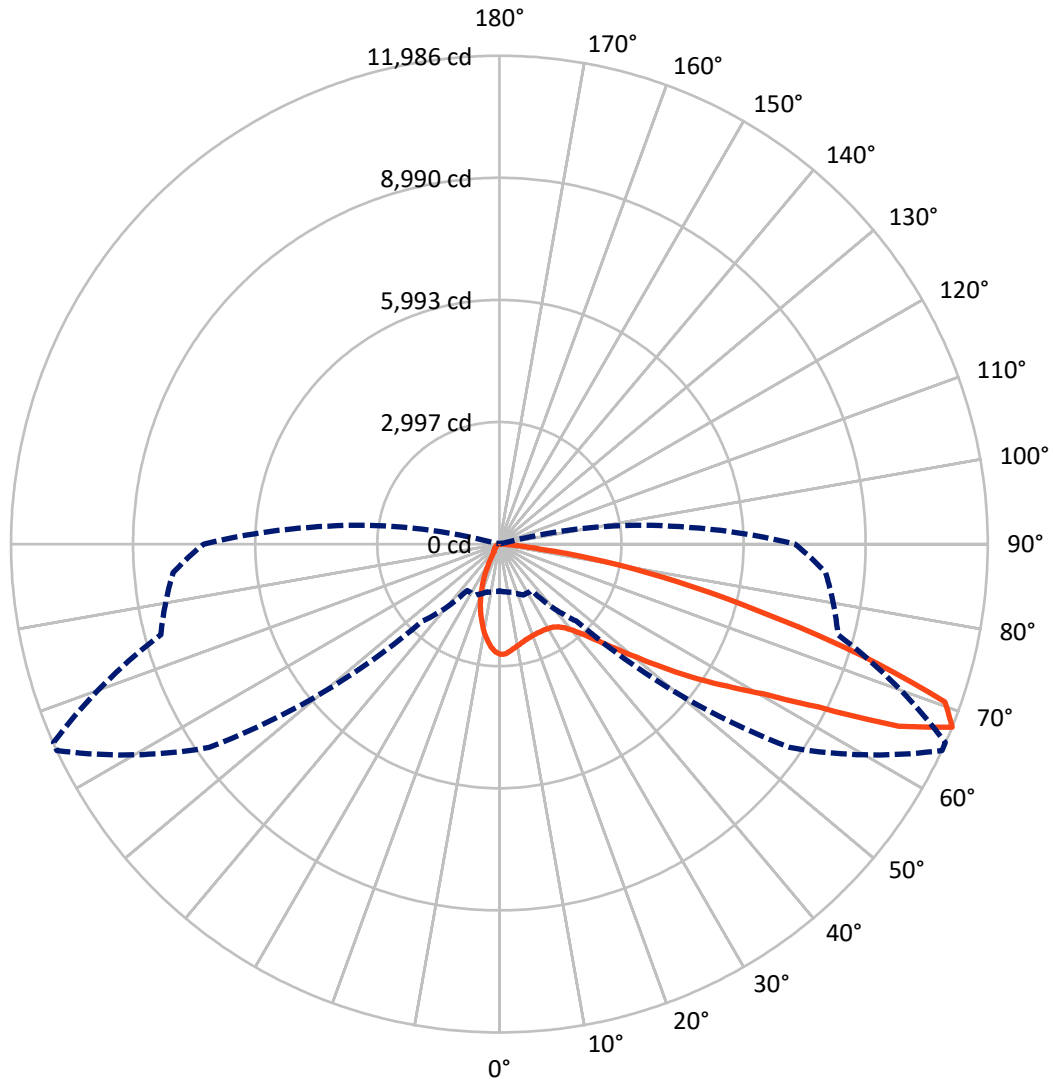
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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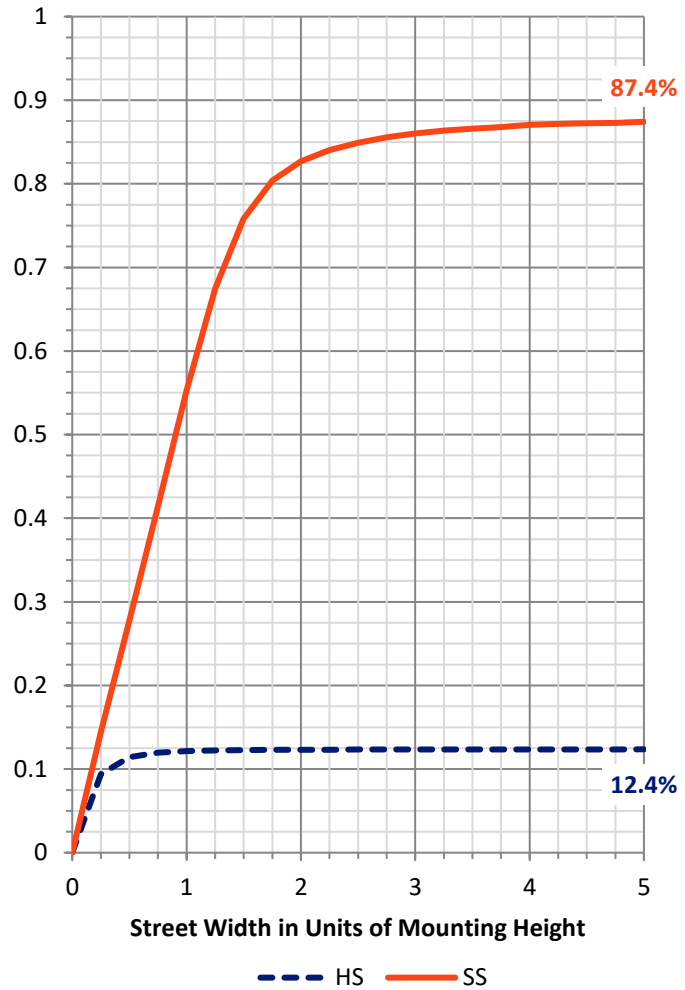
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1393.1	0.0	1393.1
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	9763.3	0.0	9763.3
	% Fixture	87.5	0.0	87.5
Total	Lumens	11156.4	0.0	11156.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.7	2.0
10°-20°	505.2	4.5
20°-30°	721.9	6.5
30°-40°	1050.2	9.4
40°-50°	1644.8	14.7
50°-60°	2566.0	23.0
60°-70°	2818.6	25.3
70°-80°	1500.1	13.4
80°-90°	124.9	1.1
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°	11156.4	100.0
0°-180°	11156.4	100.0

Coefficient of Utilization



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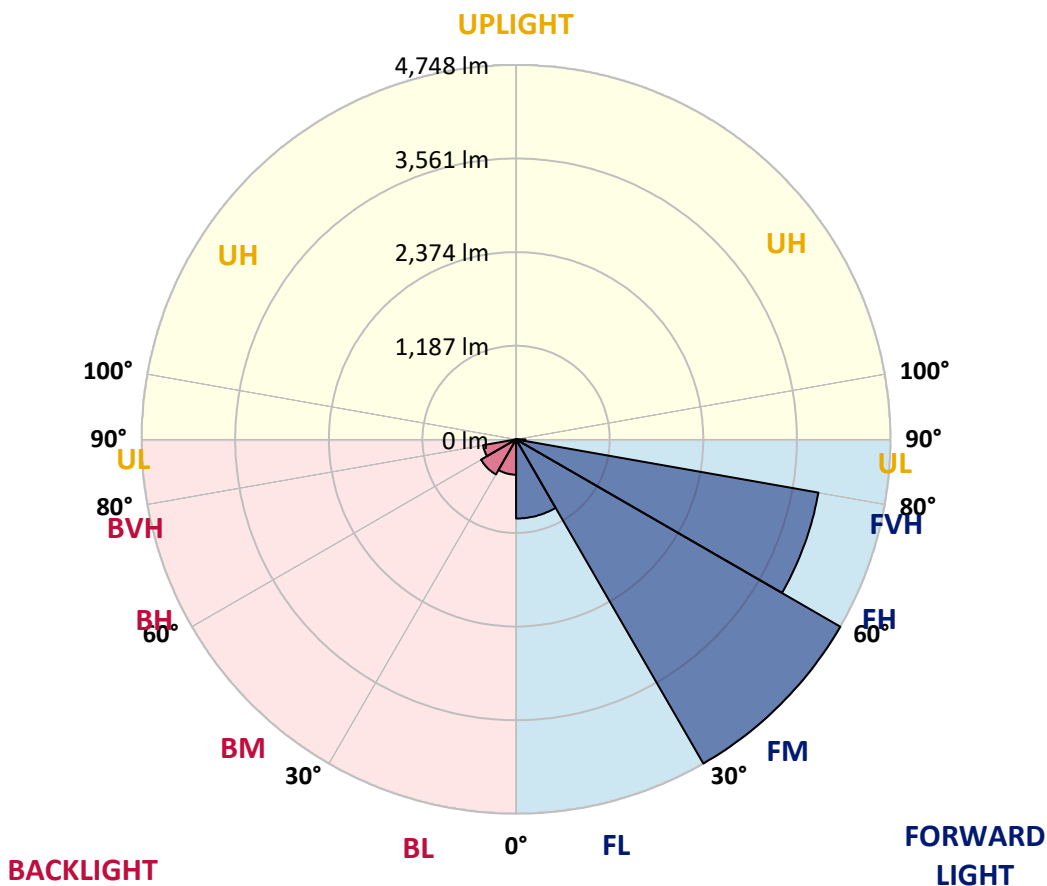
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1004.0	9.0			
FM (30°-60°)	4747.9	42.6			
FH (60°-80°)	3893.2	34.9			G2/5000
FVH (80°-90°)	118.2	1.1			G2/225
BL (0°-30°)	447.8	4.0	B1/500		
BM (30°-60°)	513.1	4.6	B1/1000		
BH (60°-80°)	425.5	3.8	B1/500		G1/500
BVH (80°-90°)	6.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8
2.5°	2612.0	2620.0	2608.9	2636.2	2641.2	2671.5	2688.6	2700.7	2699.7	2714.9	2714.9
5°	2458.6	2466.7	2460.6	2489.9	2513.1	2560.5	2599.8	2645.2	2647.3	2693.7	2710.8
7.5°	2328.5	2329.5	2329.5	2365.8	2396.1	2454.6	2513.1	2582.7	2590.8	2662.4	2707.8
10°	2221.5	2224.5	2225.6	2266.9	2300.2	2370.8	2445.5	2529.2	2538.3	2635.2	2705.8
12.5°	2147.9	2148.9	2152.9	2196.3	2232.6	2306.3	2381.9	2477.8	2489.9	2603.9	2696.7
15°	2112.6	2110.5	2112.6	2148.9	2185.2	2255.8	2333.5	2436.4	2449.5	2577.7	2697.7
17.5°	2110.5	2107.5	2105.5	2132.7	2155.9	2218.5	2297.2	2409.2	2423.3	2565.5	2708.8
20°	2139.8	2137.8	2127.7	2139.8	2144.8	2196.3	2274.0	2388.0	2402.1	2563.5	2733.0
22.5°	2216.5	2211.4	2196.3	2185.2	2158.0	2188.2	2257.8	2372.9	2389.0	2568.6	2764.3
25°	2330.5	2328.5	2309.3	2282.1	2212.4	2200.3	2258.9	2372.9	2388.0	2574.6	2797.6
27.5°	2502.0	2489.9	2465.7	2418.3	2318.4	2247.8	2279.0	2378.9	2394.0	2582.7	2824.8
30°	2676.5	2675.5	2667.4	2619.0	2470.7	2338.6	2321.4	2395.0	2409.2	2589.8	2850.0
32.5°	2857.1	2860.1	2880.3	2843.0	2680.6	2473.7	2398.1	2428.3	2438.4	2603.9	2872.2
35°	3028.6	3034.7	3088.1	3101.3	2935.8	2678.5	2523.2	2494.9	2495.9	2635.2	2901.5
37.5°	3193.1	3213.2	3299.0	3362.6	3253.6	2926.7	2703.8	2607.9	2599.8	2697.7	2945.9
40°	3379.7	3418.0	3526.0	3633.9	3599.6	3254.6	2949.9	2781.4	2764.3	2812.7	3025.6
42.5°	3586.5	3627.9	3771.1	3922.5	3938.6	3651.1	3257.6	3034.7	3005.4	3006.4	3174.9
45°	3808.5	3864.0	4030.4	4248.3	4346.2	4093.0	3637.0	3376.7	3347.4	3304.0	3415.0
47.5°	4100.0	4148.5	4308.9	4560.1	4747.7	4567.1	4134.3	3816.5	3763.1	3699.5	3788.3
50°	4351.2	4393.6	4531.8	4846.6	5237.0	5178.5	4698.3	4366.4	4314.9	4207.0	4280.6
52.5°	4406.7	4440.0	4567.1	4921.2	5611.3	5950.3	5389.4	5031.2	4994.9	4795.1	4823.4
55°	4157.5	4208.0	4322.0	4715.4	5709.2	6704.9	6286.2	5780.8	5705.1	5386.3	5436.8
57.5°	3528.0	3617.8	3724.7	4236.2	5443.8	7106.5	7539.3	6574.8	6506.2	5955.3	5956.3
60°	2585.7	2658.4	2730.0	3198.1	4814.3	7079.2	8676.2	7466.6	7341.5	6420.4	6403.3
62.5°	1880.5	1917.9	1916.8	2083.3	3306.1	6613.1	9273.5	8810.4	8518.9	6917.8	6819.9
65°	1479.0	1478.0	1521.4	1575.8	1846.2	5104.9	9347.1	10772.7	10457.9	7584.7	7380.9
67.5°	1151.1	1173.3	1216.7	1377.1	1387.2	2671.5	8699.5	11986.3	11980.3	8602.6	8037.6
70°	887.8	918.1	979.6	1213.7	1281.3	1495.1	6509.2	11602.0	11699.8	9057.6	7572.5
72.5°	570.0	568.0	658.8	980.6	1230.8	1245.9	3599.6	9216.0	9327.0	8204.1	6122.8
75°	318.8	320.8	372.3	600.3	1147.1	1172.3	1782.7	6571.8	6659.5	6396.2	4704.3
77.5°	125.1	129.1	174.5	315.8	756.6	1047.2	1059.3	4481.4	4494.5	3963.8	2885.4
80°	50.4	53.5	88.8	195.7	461.1	705.2	756.6	2640.2	2586.7	1534.5	839.4
82.5°	15.1	16.1	35.3	111.0	241.1	501.4	510.5	1012.9	956.4	329.9	213.9
85°	1.0	1.0	8.1	34.3	85.8	126.1	340.0	329.9	292.6	82.7	94.8
87.5°	0.0	0.0	1.0	1.0	2.0	4.0	36.3	60.5	61.5	15.1	42.4
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°	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8
2.5°	2714.9	2678.5	2675.5	2647.3	2619.0	2583.7	2542.3	2512.1	2490.9	2453.6	2446.5
5°	2710.8	2662.4	2617.0	2536.3	2446.5	2349.6	2264.9	2186.2	2136.8	2103.5	2089.4
7.5°	2702.8	2641.2	2536.3	2384.0	2233.6	2064.1	1932.0	1810.9	1728.2	1679.8	1658.6
10°	2696.7	2614.0	2443.5	2212.4	1979.4	1745.3	1544.6	1365.0	1265.1	1186.4	1173.3
12.5°	2684.6	2574.6	2324.4	2011.7	1711.0	1400.3	1144.1	924.1	771.8	703.2	679.0
15°	2672.5	2533.3	2205.4	1799.8	1418.5	1035.1	724.4	512.5	407.6	375.3	373.3
17.5°	2670.5	2495.9	2076.2	1599.1	1111.8	678.0	412.6	331.9	309.7	301.7	301.7
20°	2676.5	2464.7	1949.1	1368.0	810.1	412.6	307.7	287.5	274.4	267.3	267.3
22.5°	2682.6	2432.4	1827.1	1135.0	537.7	301.7	271.4	254.2	239.1	231.0	227.0
25°	2686.6	2397.1	1691.9	900.9	351.1	262.3	238.1	215.9	197.7	187.6	187.6
27.5°	2685.6	2354.7	1555.7	671.9	272.4	233.0	203.8	180.6	162.4	151.3	152.3
30°	2677.5	2308.3	1414.4	469.1	238.1	203.8	174.5	150.3	132.2	123.1	122.1
32.5°	2671.5	2258.9	1251.0	329.9	213.9	178.6	148.3	125.1	110.0	102.9	101.9
35°	2664.4	2210.4	1095.6	251.2	192.7	154.4	125.1	105.9	93.8	87.8	87.8
37.5°	2666.4	2160.0	927.1	215.9	171.5	134.2	106.9	90.8	80.7	74.7	73.6
40°	2697.7	2129.7	761.7	195.7	152.3	116.0	92.8	78.7	68.6	62.5	61.5
42.5°	2775.4	2130.7	603.3	180.6	135.2	98.9	80.7	67.6	58.5	51.5	50.4
45°	2930.8	2173.1	463.1	164.4	117.0	85.8	69.6	57.5	48.4	42.4	41.4
47.5°	3185.0	2299.2	351.1	150.3	101.9	74.7	59.5	48.4	40.4	35.3	34.3
50°	3589.5	2527.2	276.4	133.2	85.8	64.6	50.4	40.4	33.3	28.2	27.2
52.5°	4075.8	2869.2	237.1	118.0	73.6	56.5	43.4	33.3	27.2	23.2	22.2
55°	4634.7	3277.8	218.9	102.9	62.5	48.4	35.3	27.2	22.2	19.2	17.2
57.5°	5147.2	3646.0	217.9	87.8	53.5	41.4	29.3	23.2	19.2	15.1	14.1
60°	5646.6	3953.7	204.8	72.6	46.4	34.3	25.2	19.2	16.1	13.1	12.1
62.5°	6099.6	4203.9	171.5	58.5	39.3	28.2	21.2	17.2	14.1	11.1	11.1
65°	6668.6	4522.7	131.2	47.4	32.3	23.2	18.2	15.1	13.1	10.1	10.1
67.5°	7256.8	4691.2	93.8	39.3	26.2	20.2	16.1	14.1	11.1	9.1	9.1
70°	6572.8	3963.8	67.6	32.3	22.2	17.2	14.1	13.1	11.1	9.1	8.1
72.5°	5133.1	2858.1	50.4	25.2	19.2	16.1	13.1	12.1	10.1	8.1	8.1
75°	3806.5	1666.6	38.3	20.2	15.1	13.1	13.1	12.1	10.1	8.1	7.1
77.5°	2069.2	581.1	29.3	16.1	12.1	10.1	11.1	11.1	9.1	7.1	6.1
80°	547.8	159.4	20.2	12.1	10.1	8.1	8.1	10.1	8.1	6.1	6.1
82.5°	159.4	46.4	14.1	10.1	8.1	7.1	7.1	7.1	6.1	5.0	4.0
85°	77.7	17.2	10.1	8.1	7.1	6.1	5.0	5.0	4.0	3.0	3.0
87.5°	34.3	7.1	8.1	7.1	7.1	5.0	4.0	3.0	3.0	2.0	1.0
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)