

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: P633411

Luminaire Tested: GWS-SA2E-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633411
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-SA2E-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11669.5 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

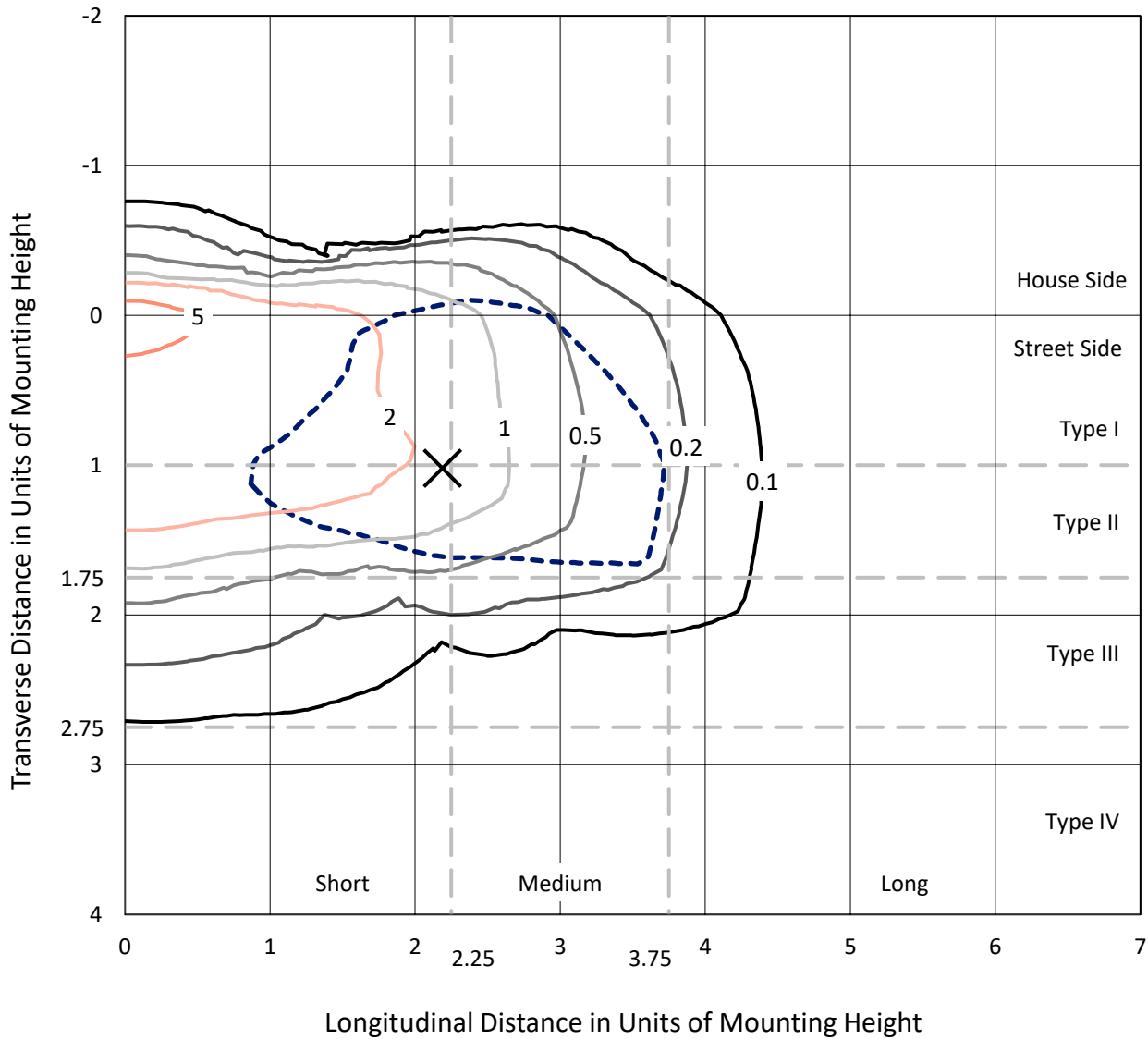
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

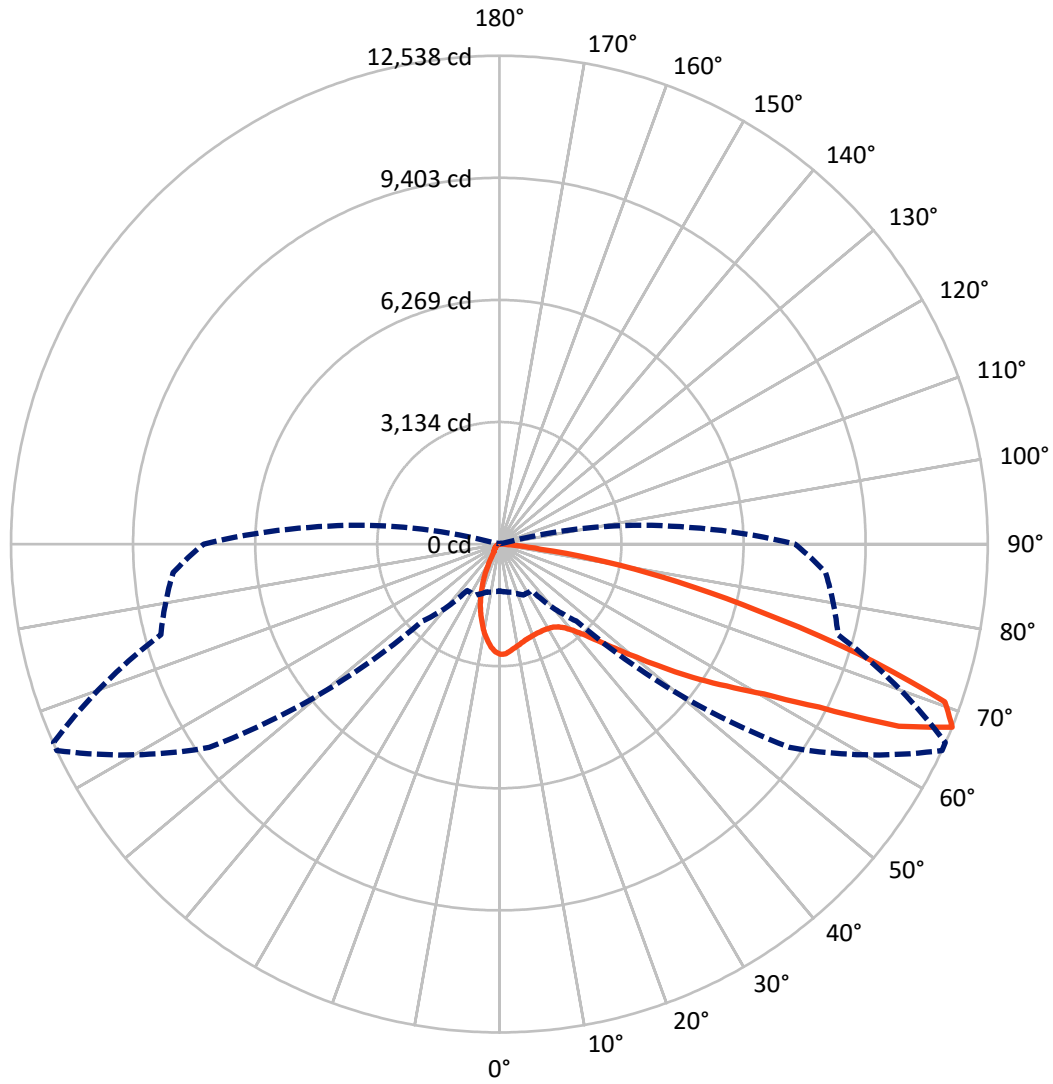
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 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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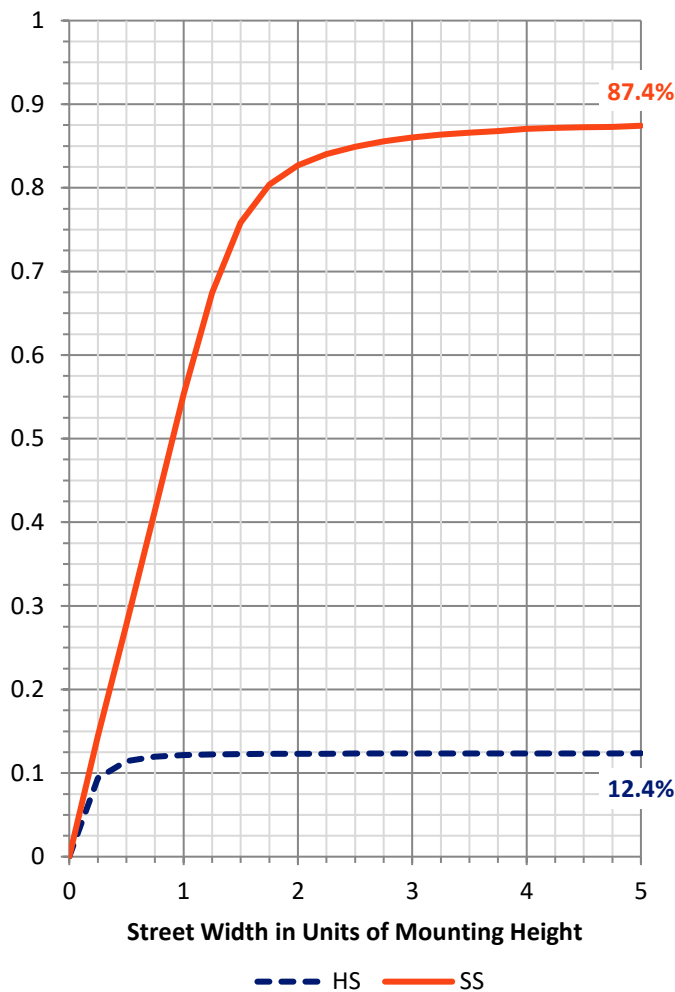
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1457.2	0.0	1457.2
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	10212.3	0.0	10212.3
	% Fixture	87.5	0.0	87.5
Total	Lumens	11669.5	0.0	11669.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.1	2.0
10°-20°	528.4	4.5
20°-30°	755.1	6.5
30°-40°	1098.5	9.4
40°-50°	1720.5	14.7
50°-60°	2684.0	23.0
60°-70°	2948.2	25.3
70°-80°	1569.0	13.4
80°-90°	130.6	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°	11669.5	100.0
0°-180°	11669.5	100.0

Coefficient of Utilization



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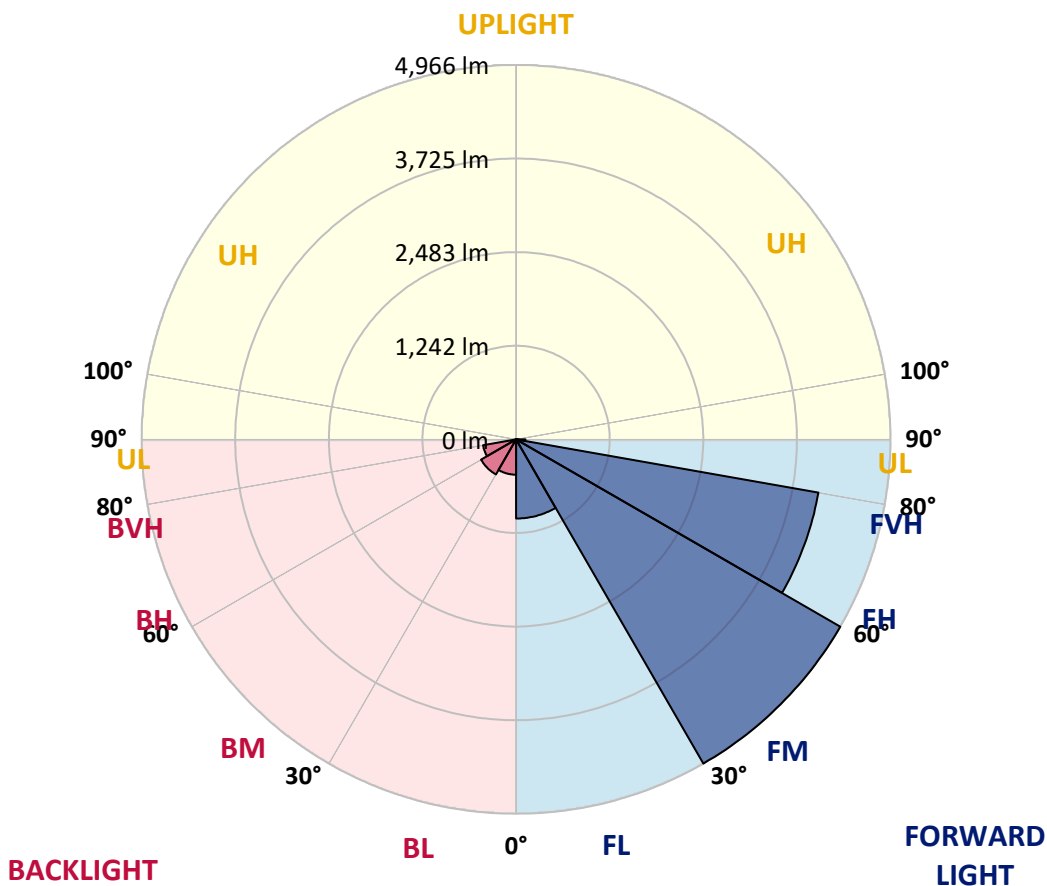
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1050.2	9.0			
FM (30°-60°)	4966.3	42.6			
FH (60°-80°)	4072.2	34.9			G2/5000
FVH (80°-90°)	123.6	1.1			G2/225
BL (0°-30°)	468.4	4.0	B1/500		
BM (30°-60°)	536.7	4.6	B1/1000		
BH (60°-80°)	445.1	3.8	B1/500		G1/500
BVH (80°-90°)	7.0	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°	2830.2	2830.2	2830.2	2830.2	2830.2	2830.2	2830.2	2830.2	2830.2	2830.2	2830.2
2.5°	2732.1	2740.5	2728.9	2757.4	2762.7	2794.3	2812.3	2824.9	2823.9	2839.7	2839.7
5°	2571.7	2580.1	2573.8	2604.4	2628.7	2678.3	2719.4	2766.9	2769.0	2817.6	2835.5
7.5°	2435.6	2436.6	2436.6	2474.6	2506.3	2567.5	2628.7	2701.5	2709.9	2784.8	2832.3
10°	2323.7	2326.9	2327.9	2371.2	2406.0	2479.9	2558.0	2645.5	2655.0	2756.4	2830.2
12.5°	2246.7	2247.7	2251.9	2297.3	2335.3	2412.3	2491.5	2591.7	2604.4	2723.6	2820.7
15°	2209.7	2207.6	2209.7	2247.7	2285.7	2359.6	2440.8	2548.5	2562.2	2696.2	2821.8
17.5°	2207.6	2204.4	2202.3	2230.8	2255.1	2320.5	2402.8	2520.0	2534.7	2683.5	2833.4
20°	2238.2	2236.1	2225.6	2238.2	2243.5	2297.3	2378.6	2497.8	2512.6	2681.4	2858.7
22.5°	2318.4	2313.1	2297.3	2285.7	2257.2	2288.9	2361.7	2482.0	2498.9	2686.7	2891.4
25°	2437.7	2435.6	2415.5	2387.0	2314.2	2301.5	2362.7	2482.0	2497.8	2693.0	2926.3
27.5°	2617.1	2604.4	2579.1	2529.5	2425.0	2351.1	2383.8	2488.3	2504.1	2701.5	2954.7
30°	2799.6	2798.6	2790.1	2739.5	2584.3	2446.1	2428.2	2505.2	2520.0	2708.9	2981.1
32.5°	2988.5	2991.7	3012.8	2973.7	2803.8	2587.5	2508.4	2540.0	2550.6	2723.6	3004.3
35°	3167.9	3174.2	3230.2	3243.9	3070.8	2801.7	2639.2	2609.7	2610.7	2756.4	3034.9
37.5°	3339.9	3361.0	3450.7	3517.2	3403.2	3061.3	2828.1	2727.9	2719.4	2821.8	3081.4
40°	3535.1	3575.2	3688.2	3801.1	3765.2	3404.3	3085.6	2909.4	2891.4	2942.1	3164.7
42.5°	3751.5	3794.7	3944.6	4102.9	4119.8	3819.0	3407.5	3174.2	3143.6	3144.7	3320.9
45°	3983.6	4041.7	4215.8	4443.7	4546.1	4281.2	3804.2	3532.0	3501.4	3456.0	3572.1
47.5°	4288.6	4339.3	4507.0	4769.8	4966.1	4777.2	4324.5	3992.1	3936.1	3869.7	3962.5
50°	4551.4	4595.7	4740.3	5069.5	5477.9	5416.7	4914.4	4567.2	4513.4	4400.5	4477.5
52.5°	4609.4	4644.2	4777.2	5147.6	5869.4	6224.0	5637.2	5262.6	5224.6	5015.7	5045.2
55°	4348.7	4401.5	4520.8	4932.3	5971.7	7013.3	6575.4	6046.7	5967.5	5634.1	5686.8
57.5°	3690.3	3784.2	3896.0	4431.1	5694.2	7433.3	7886.0	6877.2	6805.4	6229.2	6230.3
60°	2704.6	2780.6	2855.5	3345.2	5035.7	7404.8	9075.3	7810.0	7679.2	6715.7	6697.8
62.5°	1967.0	2006.1	2005.0	2179.1	3458.1	6917.3	9700.0	9215.6	8910.7	7236.0	7133.6
65°	1547.0	1546.0	1591.3	1648.3	1931.1	5339.6	9777.0	11268.1	10938.9	7933.5	7720.3
67.5°	1204.1	1227.3	1272.6	1440.4	1451.0	2794.3	9099.6	12537.6	12531.3	8998.2	8407.3
70°	928.6	960.3	1024.7	1269.5	1340.2	1563.9	6808.6	12135.6	12237.9	9474.2	7920.8
72.5°	596.2	594.1	689.1	1025.7	1287.4	1303.3	3765.2	9639.8	9755.9	8581.4	6404.4
75°	333.5	335.6	389.4	627.9	1199.8	1226.2	1864.7	6874.0	6965.8	6690.4	4920.7
77.5°	130.9	135.1	182.6	330.3	791.4	1095.4	1108.0	4687.5	4701.2	4146.1	3018.1
80°	52.8	55.9	92.9	204.7	482.3	737.6	791.4	2761.6	2705.7	1605.1	878.0
82.5°	15.8	16.9	36.9	116.1	252.2	524.5	534.0	1059.5	1000.4	345.1	223.7
85°	1.1	1.1	8.4	35.9	89.7	131.9	355.6	345.1	306.0	86.5	99.2
87.5°	0.0	0.0	1.1	1.1	2.1	4.2	38.0	63.3	64.4	15.8	44.3
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°	2830.2	2830.2	2830.2	2830.2	2830.2	2830.2	2830.2	2830.2	2830.2	2830.2	2830.2
2.5°	2839.7	2801.7	2798.6	2769.0	2739.5	2702.5	2659.3	2627.6	2605.4	2566.4	2559.0
5°	2835.5	2784.8	2737.4	2652.9	2559.0	2457.7	2369.1	2286.8	2235.1	2200.2	2185.5
7.5°	2827.1	2762.7	2652.9	2493.6	2336.4	2159.1	2020.8	1894.2	1807.7	1757.0	1734.9
10°	2820.7	2734.2	2555.9	2314.2	2070.4	1825.6	1615.6	1427.8	1323.3	1241.0	1227.3
12.5°	2808.1	2693.0	2431.3	2104.2	1789.7	1464.7	1196.7	966.6	807.3	735.5	710.2
15°	2795.4	2649.8	2306.8	1882.6	1483.7	1082.7	757.7	536.1	426.3	392.6	390.4
17.5°	2793.3	2610.7	2171.7	1672.6	1162.9	709.1	431.6	347.2	324.0	315.5	315.5
20°	2799.6	2578.0	2038.8	1430.9	847.4	431.6	321.9	300.8	287.0	279.6	279.6
22.5°	2806.0	2544.2	1911.1	1187.2	562.5	315.5	283.9	265.9	250.1	241.7	237.4
25°	2810.2	2507.3	1769.7	942.4	367.2	274.4	249.0	225.8	206.8	196.3	196.3
27.5°	2809.1	2463.0	1627.2	702.8	284.9	243.8	213.2	188.9	169.9	158.3	159.3
30°	2800.7	2414.4	1479.5	490.7	249.0	213.2	182.6	157.2	138.2	128.7	127.7
32.5°	2794.3	2362.7	1308.5	345.1	223.7	186.8	155.1	130.9	115.0	107.6	106.6
35°	2787.0	2312.1	1146.0	262.8	201.6	161.5	130.9	110.8	98.1	91.8	91.8
37.5°	2789.1	2259.3	969.8	225.8	179.4	140.4	111.9	95.0	84.4	78.1	77.0
40°	2821.8	2227.7	796.7	204.7	159.3	121.4	97.1	82.3	71.8	65.4	64.4
42.5°	2903.0	2228.7	631.0	188.9	141.4	103.4	84.4	70.7	61.2	53.8	52.8
45°	3065.5	2273.0	484.4	172.0	122.4	89.7	72.8	60.2	50.7	44.3	43.3
47.5°	3331.5	2404.9	367.2	157.2	106.6	78.1	62.3	50.7	42.2	36.9	35.9
50°	3754.6	2643.4	289.1	139.3	89.7	67.5	52.8	42.2	34.8	29.5	28.5
52.5°	4263.3	3001.2	248.0	123.5	77.0	59.1	45.4	34.8	28.5	24.3	23.2
55°	4847.9	3428.6	229.0	107.6	65.4	50.7	36.9	28.5	23.2	20.1	17.9
57.5°	5384.0	3813.7	227.9	91.8	55.9	43.3	30.6	24.3	20.1	15.8	14.8
60°	5906.3	4135.6	214.2	76.0	48.5	35.9	26.4	20.1	16.9	13.7	12.7
62.5°	6380.1	4397.3	179.4	61.2	41.2	29.5	22.2	17.9	14.8	11.6	11.6
65°	6975.3	4730.8	137.2	49.6	33.8	24.3	19.0	15.8	13.7	10.6	10.6
67.5°	7590.5	4907.0	98.1	41.2	27.4	21.1	16.9	14.8	11.6	9.5	9.5
70°	6875.1	4146.1	70.7	33.8	23.2	17.9	14.8	13.7	11.6	9.5	8.4
72.5°	5369.2	2989.6	52.8	26.4	20.1	16.9	13.7	12.7	10.6	8.4	8.4
75°	3981.5	1743.3	40.1	21.1	15.8	13.7	13.7	12.7	10.6	8.4	7.4
77.5°	2164.3	607.8	30.6	16.9	12.7	10.6	11.6	11.6	9.5	7.4	6.3
80°	573.0	166.7	21.1	12.7	10.6	8.4	8.4	10.6	8.4	6.3	6.3
82.5°	166.7	48.5	14.8	10.6	8.4	7.4	7.4	7.4	6.3	5.3	4.2
85°	81.3	17.9	10.6	8.4	7.4	6.3	5.3	5.3	4.2	3.2	3.2
87.5°	35.9	7.4	8.4	7.4	7.4	5.3	4.2	3.2	3.2	2.1	1.1
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)