

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: P635169

Luminaire Tested: GWS-SA3D-730-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9409.8 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

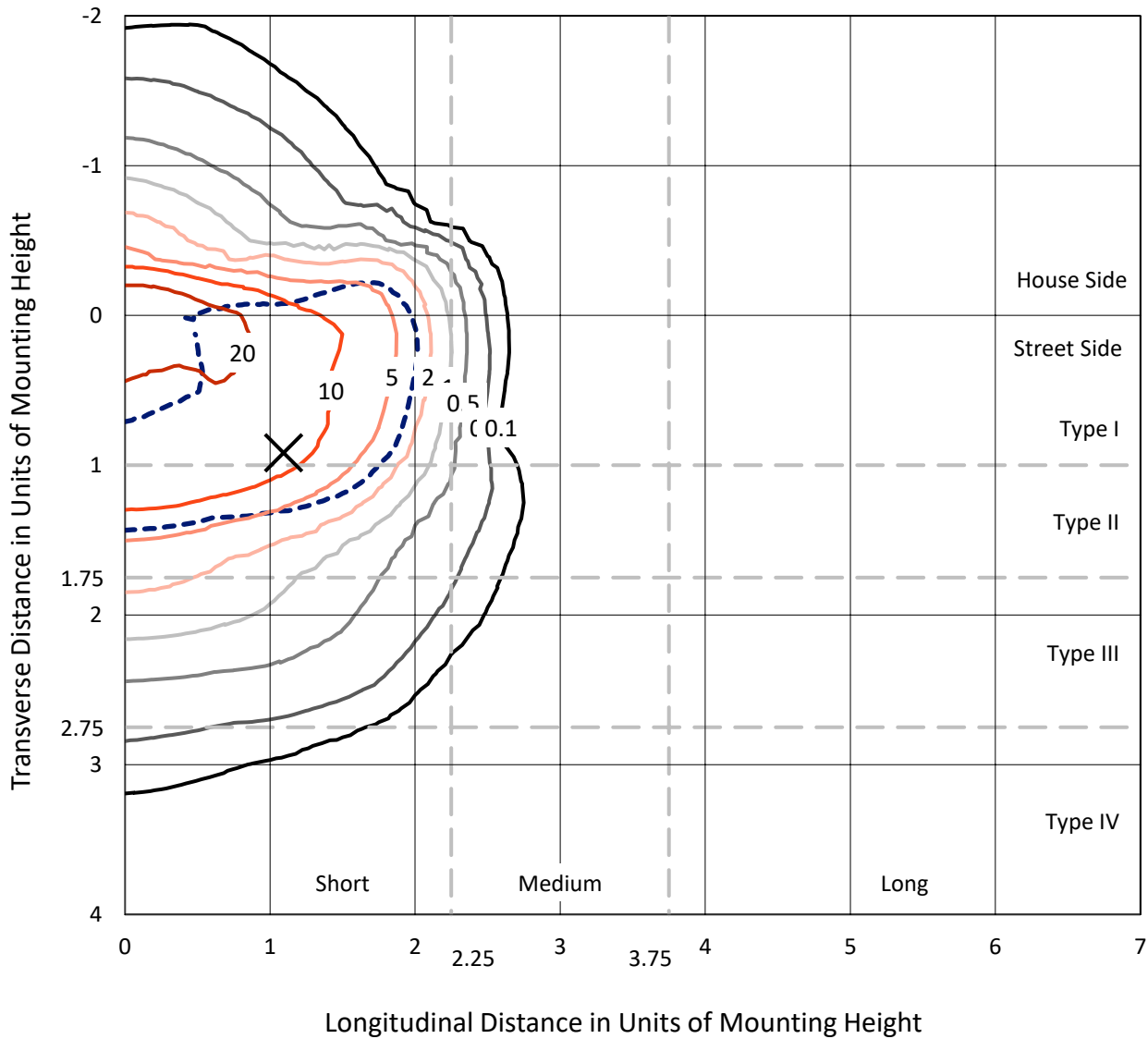
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

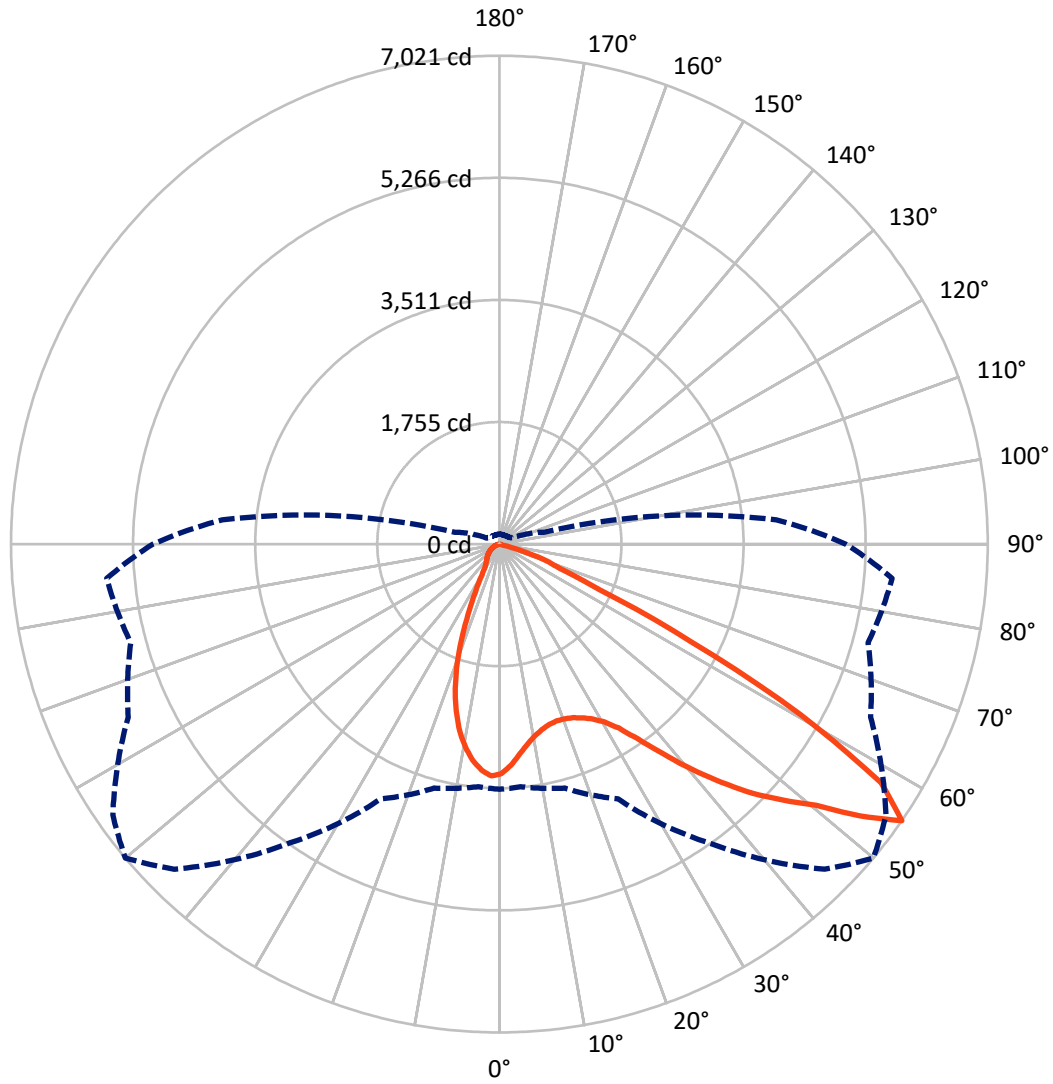
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 33 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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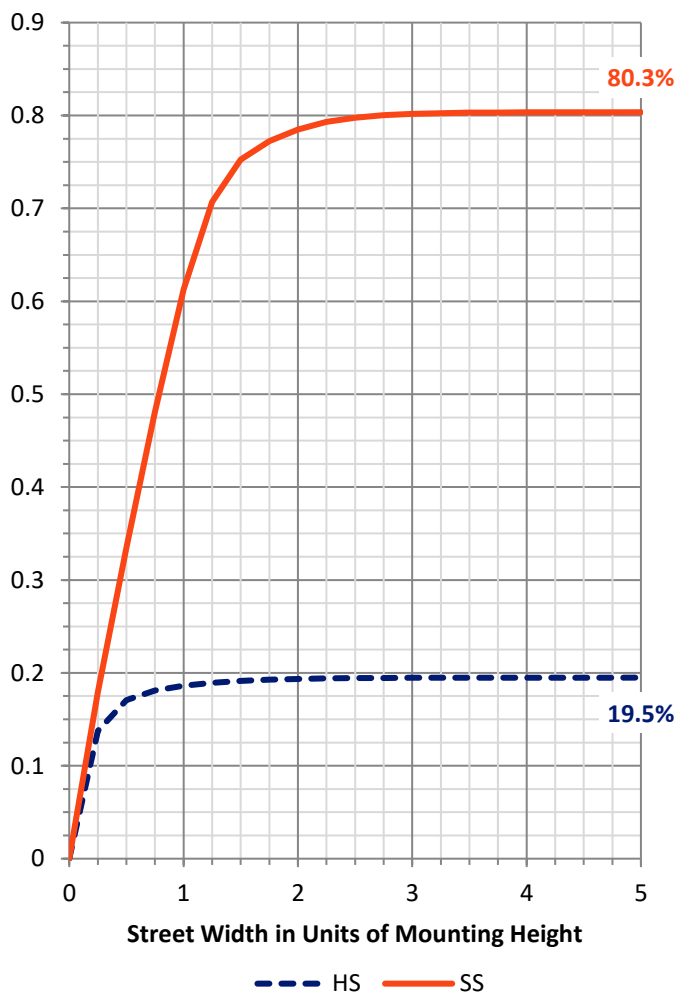
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1854.2	0.0	1854.2
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	7555.6	0.0	7555.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	9409.8	0.0	9409.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.9	3.1
10°-20°	713.5	7.6
20°-30°	1006.4	10.7
30°-40°	1489.3	15.8
40°-50°	2148.5	22.8
50°-60°	2534.4	26.9
60°-70°	1130.5	12.0
70°-80°	97.2	1.0
80°-90°	0.0	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°	9409.8	100.0
0°-180°	9409.8	100.0

Coefficient of Utilization



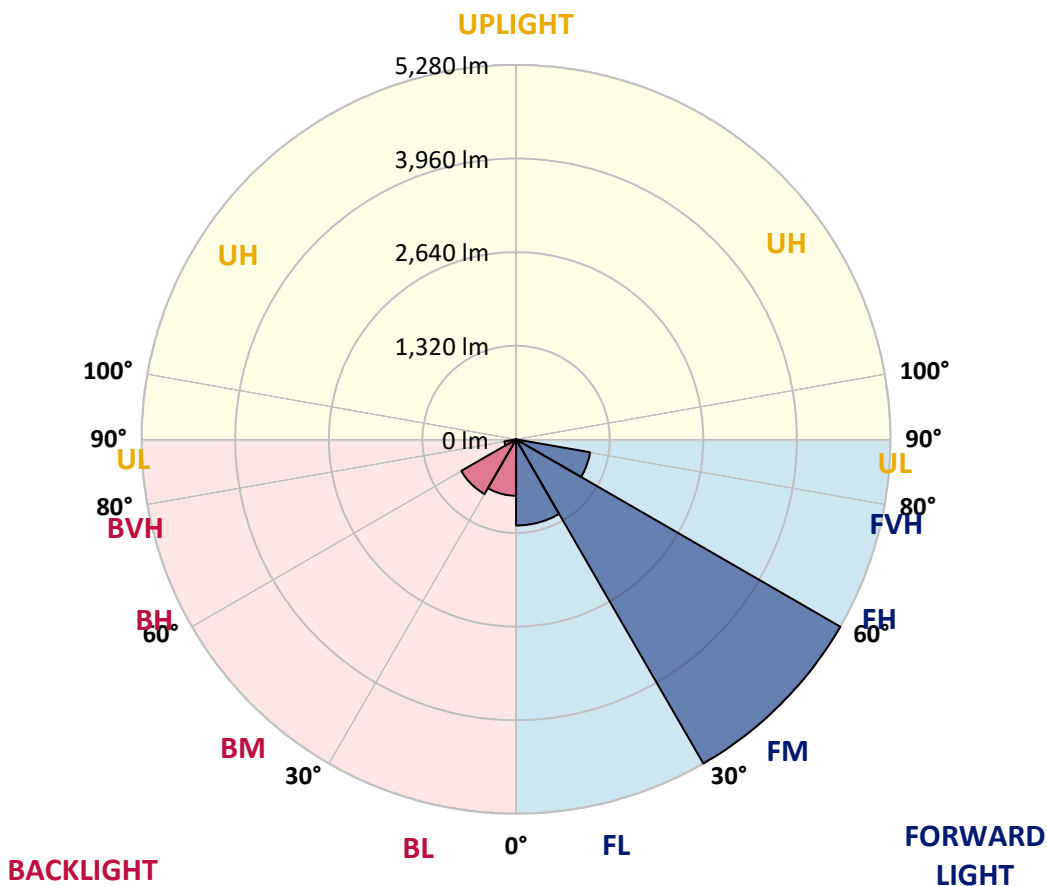
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1214.8	12.9			
FM (30°-60°)	5280.5	56.1			
FH (60°-80°)	1060.3	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	795.0	8.4	B2/1000		
BM (30°-60°)	891.7	9.5	B1/1000		
BH (60°-80°)	167.4	1.8	B1/500		G1/500
BVH (80°-90°)	0.0	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5
2.5°	3067.1	3069.4	3070.6	3101.6	3113.1	3159.0	3183.2	3195.8	3229.1	3268.2	3300.3
5°	2861.5	2858.1	2863.8	2902.9	2928.1	2995.9	3032.7	3057.9	3131.5	3223.4	3300.3
7.5°	2682.3	2689.2	2696.1	2738.6	2776.5	2850.0	2902.9	2940.8	3043.0	3179.7	3309.5
10°	2555.9	2555.9	2566.3	2614.5	2659.3	2750.1	2802.9	2851.2	2972.9	3140.7	3319.9
12.5°	2462.9	2464.0	2476.7	2531.8	2583.5	2677.7	2732.9	2780.0	2914.4	3101.6	3322.2
15°	2419.2	2415.8	2426.1	2484.7	2542.2	2630.6	2688.1	2734.0	2873.0	3079.8	3333.6
17.5°	2407.8	2405.5	2413.5	2470.9	2529.5	2615.7	2672.0	2717.9	2867.3	3086.7	3368.1
20°	2441.1	2436.5	2433.0	2482.4	2537.6	2622.6	2681.2	2732.9	2894.8	3124.6	3421.0
22.5°	2520.3	2520.3	2512.3	2536.4	2573.2	2650.1	2711.0	2778.8	2967.2	3200.4	3499.1
25°	2666.2	2654.7	2639.8	2650.1	2645.6	2693.8	2766.2	2860.4	3103.9	3325.6	3594.4
27.5°	2832.8	2843.1	2817.9	2819.0	2778.8	2761.6	2845.4	2987.9	3307.2	3502.5	3735.7
30°	3059.1	3051.1	3052.2	3048.8	2955.7	2874.1	2964.9	3154.4	3563.4	3772.5	3919.5
32.5°	3236.0	3247.5	3285.4	3307.2	3185.5	3054.5	3151.0	3380.7	3855.2	4080.3	4144.7
35°	3423.2	3443.9	3520.9	3592.1	3489.9	3339.4	3442.8	3680.6	4129.7	4384.7	4403.1
37.5°	3620.8	3662.2	3754.1	3879.3	3863.2	3730.0	3824.2	4033.2	4345.7	4568.5	4616.8
40°	3847.1	3887.3	4037.8	4218.2	4256.1	4226.2	4257.2	4379.0	4488.1	4576.6	4708.7
42.5°	4095.3	4150.4	4341.1	4582.3	4724.8	4751.2	4678.8	4666.2	4550.2	4484.7	4689.2
45°	4388.2	4452.5	4668.5	4980.9	5207.2	5242.9	5117.6	4955.7	4589.2	4416.9	4630.6
47.5°	4716.7	4777.6	4992.4	5368.1	5704.6	5718.4	5500.2	5239.4	4705.2	4495.0	4675.4
50°	4827.0	4864.9	5051.0	5492.1	6112.4	6218.1	5902.2	5558.8	4938.4	4724.8	4893.6
52.5°	4447.9	4462.9	4624.8	5070.5	6029.7	6708.6	6489.2	6035.5	5353.1	5075.1	5230.2
55°	3524.3	3500.2	3631.2	4040.1	5240.6	6608.7	7021.1	6784.5	5887.3	5486.4	5667.9
57.5°	2465.2	2436.5	2406.6	2683.5	3910.3	5602.4	6469.7	6889.0	6396.2	5894.2	6140.0
60°	2026.4	1998.8	1854.1	1726.6	2364.1	4022.9	4969.5	5758.6	6354.8	5873.5	6125.1
62.5°	1750.7	1734.6	1676.0	1502.6	1391.1	2296.3	3111.9	3867.8	4876.4	4612.2	4626.0
65°	1375.0	1370.4	1410.7	1429.0	1230.3	1270.5	1587.6	2010.3	2636.4	2485.9	2357.2
67.5°	939.7	929.3	1005.1	1236.0	1183.2	1002.9	929.3	937.4	1140.7	697.3	553.7
70°	597.3	573.2	574.4	766.2	962.6	791.5	716.8	630.7	567.5	103.4	117.2
72.5°	382.5	367.6	315.9	345.8	445.7	386.0	389.4	335.4	224.0	55.1	64.3
75°	160.8	148.2	113.7	90.8	89.6	56.3	49.4	45.9	31.0	31.0	33.3
77.5°	1.1	0.0	0.0	1.1	2.3	1.1	1.1	2.3	4.6	6.9	8.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5
2.5°	3319.9	3292.3	3323.3	3334.8	3333.6	3334.8	3301.5	3278.5	3277.4	3248.6	3234.9
5°	3332.5	3310.7	3333.6	3318.7	3283.1	3238.3	3178.6	3126.9	3103.9	3070.6	3054.5
7.5°	3356.6	3333.6	3330.2	3270.5	3182.0	3087.8	2982.1	2887.9	2837.4	2776.5	2780.0
10°	3373.9	3347.4	3302.6	3180.9	3033.8	2883.3	2726.0	2585.8	2497.4	2415.8	2402.0
12.5°	3380.7	3341.7	3237.2	3053.4	2846.6	2650.1	2419.2	2219.4	2081.5	1974.7	1959.8
15°	3393.4	3330.2	3153.3	2899.4	2615.7	2337.7	2043.6	1770.2	1587.6	1464.6	1475.0
17.5°	3412.9	3317.6	3059.1	2727.1	2367.6	1974.7	1577.2	1263.6	1095.9	1024.7	1025.8
20°	3440.5	3302.6	2955.7	2537.6	2070.0	1564.6	1102.8	866.2	819.1	816.8	813.3
22.5°	3477.2	3287.7	2845.4	2329.6	1717.4	1095.9	734.0	660.5	680.1	718.0	724.9
25°	3520.9	3269.3	2722.5	2095.3	1332.5	719.1	550.2	538.8	585.9	636.4	647.9
27.5°	3588.7	3260.1	2582.4	1828.8	935.1	515.8	450.3	457.2	499.7	542.2	552.5
30°	3703.5	3277.4	2429.6	1530.1	600.8	411.2	390.6	400.9	423.9	445.7	454.9
32.5°	3859.8	3327.9	2281.4	1203.9	428.5	357.3	352.7	358.4	367.6	380.2	383.7
35°	4042.4	3415.2	2128.6	861.6	353.8	326.2	321.6	321.6	326.2	328.5	329.7
37.5°	4192.9	3507.1	1985.0	573.2	317.1	302.1	295.2	291.8	290.6	292.9	294.1
40°	4258.4	3545.0	1828.8	417.0	290.6	280.3	270.0	259.6	259.6	267.7	268.8
42.5°	4212.4	3502.5	1648.4	344.6	272.3	257.3	241.2	232.0	236.6	244.7	247.0
45°	4114.8	3398.0	1449.7	304.4	253.9	234.3	216.0	210.2	214.8	225.2	227.5
47.5°	4098.7	3329.1	1211.9	278.0	234.3	214.8	195.3	189.5	195.3	203.3	205.6
50°	4258.4	3388.8	947.7	255.0	216.0	194.1	178.1	172.3	175.8	180.4	182.6
52.5°	4550.2	3610.5	765.1	233.2	194.1	173.5	163.1	156.2	156.2	160.8	162.0
55°	4980.9	3997.6	660.5	207.9	168.9	157.4	148.2	141.3	141.3	143.6	144.7
57.5°	5477.2	4466.3	684.6	174.6	148.2	142.4	134.4	128.7	131.0	131.0	131.0
60°	5408.3	4431.8	732.9	147.0	131.0	128.7	121.8	119.5	125.2	120.6	118.3
62.5°	3983.8	3061.4	383.7	120.6	112.6	110.3	105.7	110.3	118.3	105.7	101.1
65°	1934.5	1481.9	153.9	98.8	95.3	93.0	90.8	97.6	102.2	82.7	78.1
67.5°	454.9	369.9	99.9	83.9	79.3	74.7	77.0	78.1	74.7	56.3	54.0
70°	118.3	116.0	78.1	70.1	63.2	58.6	58.6	57.4	49.4	35.6	33.3
72.5°	64.3	63.2	56.3	52.8	43.7	39.1	40.2	35.6	27.6	20.7	19.5
75°	32.2	34.5	32.2	29.9	24.1	21.8	21.8	19.5	13.8	8.0	8.0
77.5°	6.9	8.0	8.0	6.9	5.7	4.6	4.6	5.7	2.3	0.0	0.0
80°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)