

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: P635200

Luminaire Tested: GWS-SA3D-730-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY 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: 10050.8 lumens
Efficiency: N/A
Efficacy: 83.2 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

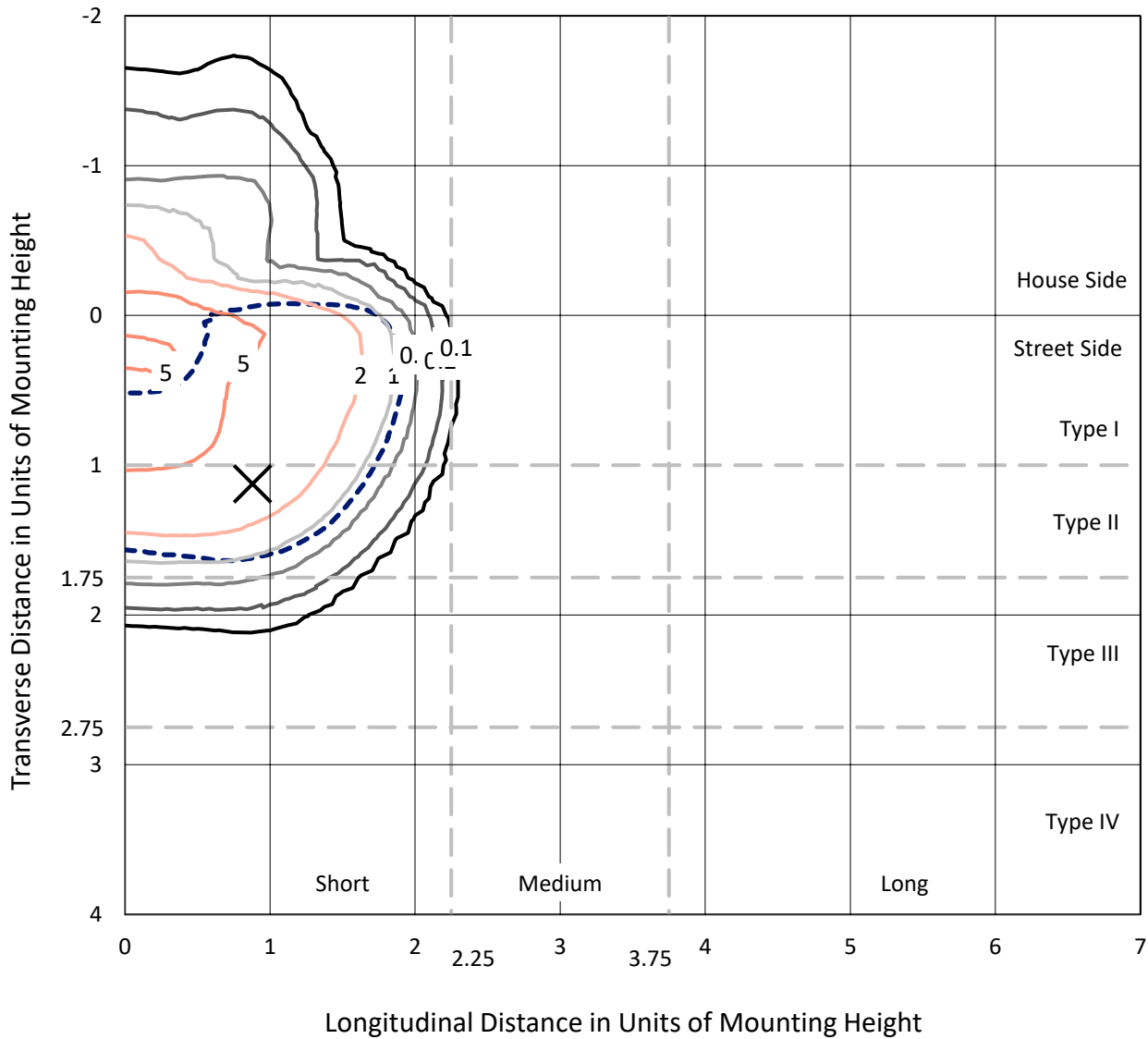
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

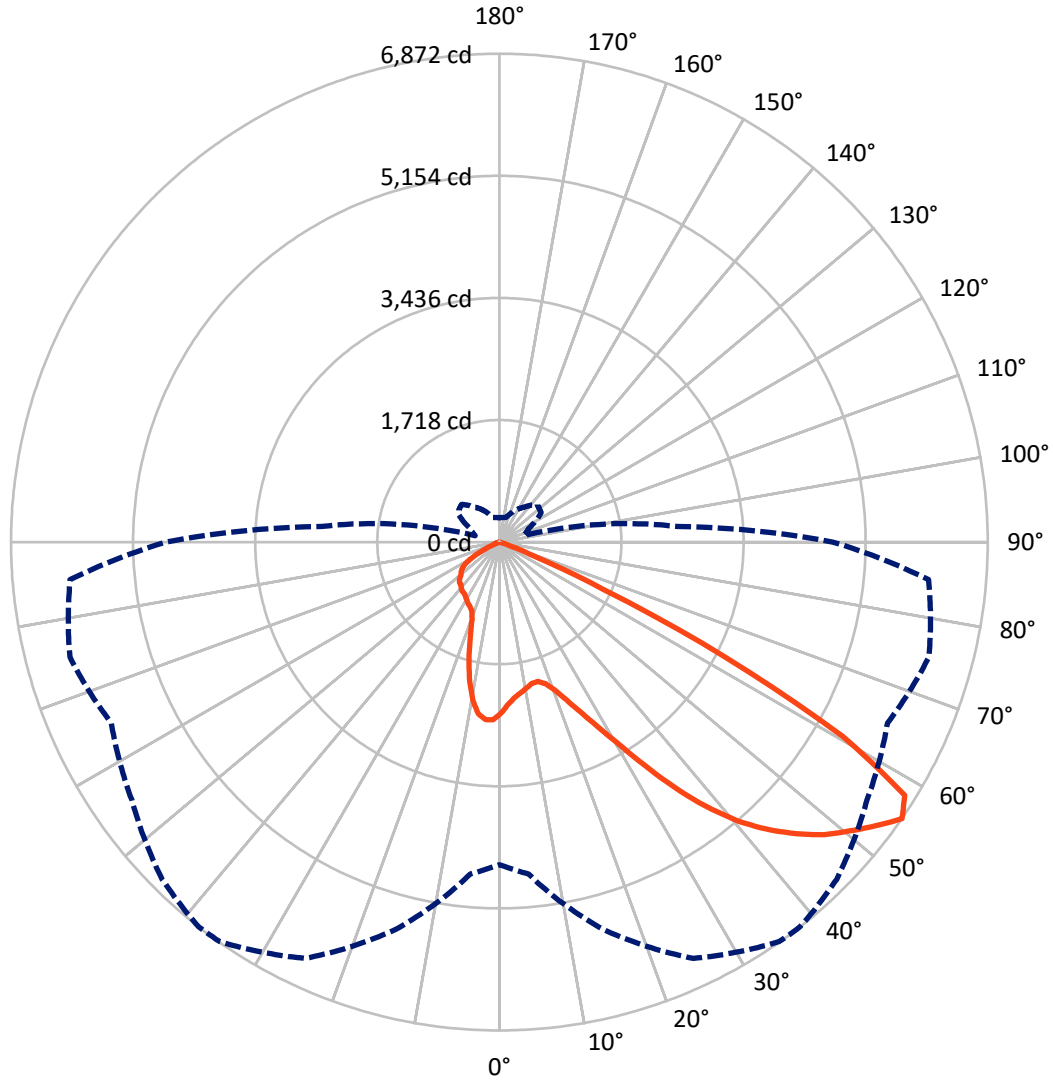
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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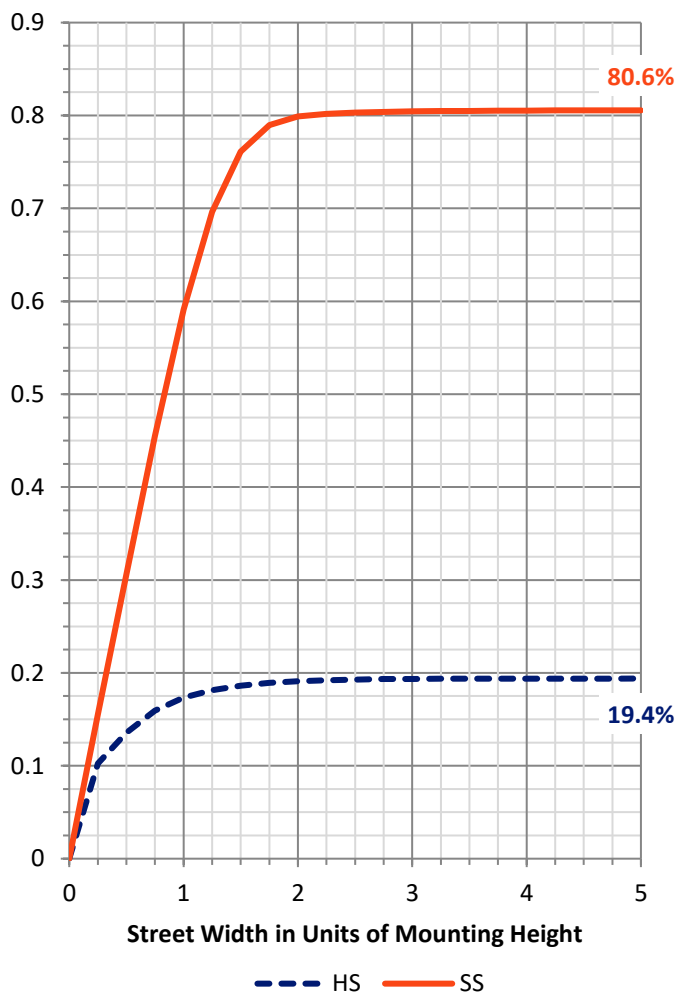
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1958.2	0.0	1958.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	8092.6	0.0	8092.6
	% Fixture	80.5	0.0	80.5
Total	Lumens	10050.8	0.0	10050.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.9	2.2
10°-20°	600.0	6.0
20°-30°	1029.6	10.2
30°-40°	1707.6	17.0
40°-50°	2510.3	25.0
50°-60°	2933.3	29.2
60°-70°	994.3	9.9
70°-80°	50.8	0.5
80°-90°	2.0	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°	10050.8	100.0
0°-180°	10050.8	100.0

Coefficient of Utilization

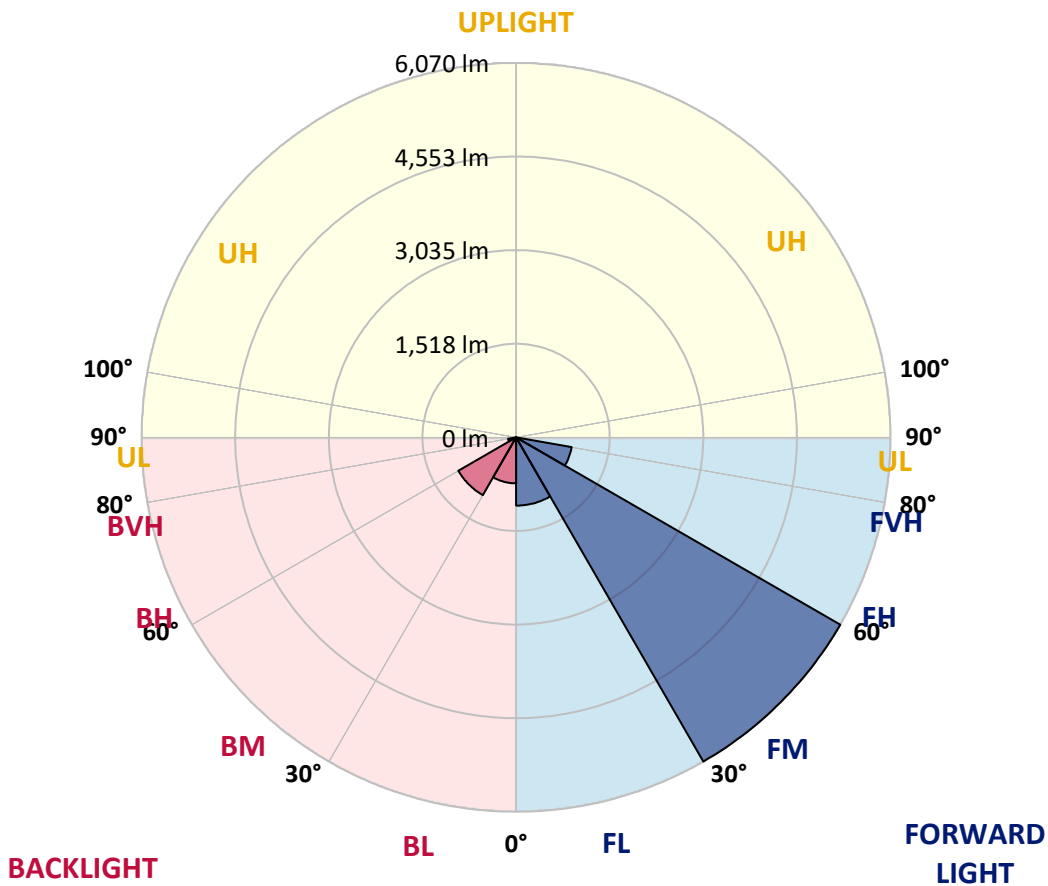


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1106.4	11.0			
FM (30°-60°)	6070.4	60.4			
FH (60°-80°)	914.8	9.1			G1/1800
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	746.1	7.4	B2/1000		
BM (30°-60°)	1080.8	10.8	B2/2500		
BH (60°-80°)	130.4	1.3	B1/500		G1/500
BVH (80°-90°)	0.9	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°	38°	45°	55°	65°	75°	85°
0°	2410.3	2410.3	2410.3	2410.3	2410.3	2410.3	2410.3	2410.3	2410.3	2410.3	2410.3
2.5°	2244.8	2240.2	2249.4	2267.8	2285.0	2290.8	2308.0	2332.1	2347.1	2382.7	2411.4
5°	2143.7	2141.4	2150.6	2166.7	2189.7	2197.7	2224.1	2264.4	2304.6	2366.6	2427.5
7.5°	2051.8	2050.7	2064.5	2100.1	2133.4	2143.7	2175.9	2225.3	2279.3	2374.6	2464.3
10°	1931.2	1932.3	1958.8	2009.3	2070.2	2090.9	2142.6	2213.8	2283.9	2406.8	2530.9
12.5°	1892.1	1894.4	1908.2	1947.3	2013.9	2040.3	2112.7	2220.7	2310.3	2452.8	2617.0
15°	1987.5	1987.5	1976.0	1980.6	2010.5	2034.6	2110.4	2243.7	2355.1	2507.9	2702.1
17.5°	2172.4	2165.6	2136.8	2097.8	2087.4	2095.5	2156.4	2293.1	2418.3	2572.2	2798.6
20°	2422.9	2425.2	2368.9	2287.3	2221.8	2220.7	2257.5	2380.4	2509.1	2649.2	2903.1
22.5°	2726.2	2717.0	2642.3	2530.9	2417.2	2408.0	2422.9	2513.7	2640.0	2771.0	3031.8
25°	3077.7	3073.1	2967.4	2818.1	2667.6	2645.8	2645.8	2735.4	2827.3	2944.5	3185.7
27.5°	3445.4	3445.4	3343.1	3170.8	2970.9	2931.8	2926.1	3031.8	3092.7	3115.6	3315.5
30°	3823.3	3818.7	3717.6	3540.7	3327.0	3286.8	3270.7	3348.9	3392.5	3323.6	3477.5
32.5°	4207.0	4215.1	4112.8	3948.6	3757.8	3731.4	3682.0	3682.0	3717.6	3621.1	3732.6
35°	4619.5	4617.2	4536.8	4425.3	4262.2	4232.3	4150.7	4023.2	4077.2	4034.7	4085.3
37.5°	4983.7	5000.9	4961.8	4879.1	4747.0	4717.1	4582.7	4351.8	4393.2	4459.8	4504.6
40°	5353.6	5367.4	5406.4	5380.0	5213.4	5158.3	4919.3	4540.2	4586.2	4814.8	4943.4
42.5°	5716.6	5723.5	5802.8	5846.4	5623.6	5527.1	5174.4	4655.1	4703.3	5092.8	5318.0
45°	5947.5	5962.5	6093.4	6226.7	5985.4	5853.3	5396.1	4802.1	4822.8	5285.8	5594.8
47.5°	5938.3	5972.8	6218.7	6461.1	6296.8	6154.3	5662.6	5037.6	5003.2	5467.3	5777.5
50°	5753.4	5794.7	6147.4	6532.3	6520.8	6388.7	5959.0	5378.9	5270.9	5628.1	5800.5
52.5°	5369.7	5489.1	6022.2	6541.5	6701.2	6634.5	6325.5	5838.4	5632.7	5859.1	5837.2
55°	4540.2	4687.3	5641.9	6463.4	6864.3	6872.3	6710.4	6317.5	6025.6	6256.6	6063.6
57.5°	3446.5	3563.7	4342.6	5753.4	6594.3	6726.4	6859.7	6570.2	6268.1	6527.7	6116.4
60°	2077.1	2212.7	2719.3	4222.0	5326.0	5551.2	6073.9	6017.6	5653.4	5764.9	5015.8
62.5°	842.1	913.3	1255.7	2326.4	3352.3	3562.5	4063.4	4148.4	4058.8	3945.1	3042.1
65°	307.9	336.6	503.2	961.6	1541.7	1618.7	1882.9	2033.4	2157.5	1837.0	1131.6
67.5°	190.7	209.1	327.4	494.0	560.6	521.6	530.8	633.0	604.3	373.4	202.2
70°	141.3	156.2	256.2	342.4	226.3	174.6	118.3	126.4	113.7	99.9	98.8
72.5°	97.7	111.4	191.9	202.2	87.3	62.0	43.7	60.9	68.9	67.8	70.1
75°	64.3	74.7	120.6	79.3	21.8	17.2	14.9	32.2	41.4	41.4	42.5
77.5°	37.9	43.7	42.5	16.1	4.6	4.6	3.4	5.7	9.2	10.3	12.6
80°	4.6	3.4	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4
82.5°	1.1	1.1	1.1	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4
85°	0.0	0.0	1.1	1.1	2.3	2.3	2.3	2.3	2.3	3.4	3.4
87.5°	0.0	0.0	1.1	1.1	2.3	2.3	2.3	2.3	2.3	3.4	3.4
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°	2410.3	2410.3	2410.3	2410.3	2410.3	2410.3	2410.3	2410.3	2410.3	2410.3	2410.3
2.5°	2433.2	2425.2	2458.5	2482.6	2502.2	2511.4	2498.7	2497.6	2497.6	2472.3	2465.4
5°	2462.0	2465.4	2512.5	2533.2	2536.6	2525.1	2496.4	2476.9	2465.4	2439.0	2424.0
7.5°	2517.1	2528.6	2573.4	2569.9	2538.9	2486.1	2410.3	2351.7	2313.8	2272.4	2247.1
10°	2596.4	2618.2	2645.8	2597.5	2498.7	2364.3	2208.1	2096.6	2030.0	1982.9	1954.2
12.5°	2692.9	2714.7	2705.5	2591.8	2386.1	2146.0	1945.0	1784.1	1707.2	1664.7	1634.8
15°	2790.5	2804.3	2744.6	2522.8	2187.4	1864.6	1640.5	1480.9	1386.6	1352.2	1326.9
17.5°	2890.5	2887.0	2751.5	2387.3	1922.0	1547.5	1326.9	1217.8	1191.3	1185.6	1183.3
20°	2995.0	2964.0	2723.9	2193.1	1602.6	1233.9	1108.6	1115.5	1163.8	1186.7	1191.3
22.5°	3114.5	3036.4	2655.0	1930.0	1276.4	1028.2	1040.8	1108.6	1174.1	1205.1	1209.7
25°	3242.0	3103.0	2540.1	1592.3	1006.4	945.5	1020.2	1098.3	1168.4	1206.3	1210.9
27.5°	3325.9	3119.1	2351.7	1252.2	863.9	913.3	992.6	1067.3	1139.6	1181.0	1186.7
30°	3416.6	3112.2	2095.5	965.0	815.7	885.8	954.7	1022.5	1089.1	1135.1	1139.6
32.5°	3549.9	3107.6	1783.0	783.5	796.1	863.9	914.5	970.8	1016.7	1043.1	1039.7
35°	3724.5	3101.9	1418.8	706.5	784.7	846.7	886.9	913.3	862.8	846.7	850.1
37.5°	3948.6	3115.6	1112.1	674.4	781.2	842.1	876.6	800.7	722.6	692.7	688.2
40°	4196.7	3151.3	847.8	661.7	792.7	853.6	837.5	712.3	615.8	557.2	544.5
42.5°	4446.0	3190.3	670.9	657.1	812.2	885.8	773.2	647.9	503.2	469.9	465.3
45°	4631.0	3183.4	580.2	649.1	829.5	904.1	755.9	556.0	449.2	434.3	435.4
47.5°	4724.0	3107.6	530.8	630.7	836.4	885.8	713.4	518.1	412.4	428.5	442.3
50°	4674.6	2911.2	484.8	595.1	821.4	861.6	645.6	489.4	394.1	460.7	491.7
52.5°	4614.9	2669.9	434.3	540.0	785.8	828.3	619.2	481.4	382.6	444.6	467.6
55°	4694.1	2517.1	351.5	454.9	715.7	750.2	598.5	480.2	356.1	345.8	342.4
57.5°	4582.7	2212.7	251.6	327.4	549.1	593.9	583.6	472.2	315.9	314.8	319.4
60°	3541.9	1349.9	172.3	207.9	336.6	379.1	529.6	451.5	272.3	250.4	251.6
62.5°	2012.8	574.4	118.3	128.7	172.3	204.5	404.4	410.1	251.6	239.0	251.6
65°	700.8	205.6	91.9	86.2	95.4	109.1	232.1	317.1	228.6	206.8	209.1
67.5°	144.8	102.2	81.6	71.2	71.2	71.2	118.3	197.6	188.4	164.3	166.6
70°	91.9	87.3	71.2	60.9	58.6	54.0	67.8	109.1	129.8	119.5	120.6
72.5°	67.8	66.6	56.3	49.4	43.7	39.1	42.5	54.0	66.6	68.9	70.1
75°	41.4	42.5	36.8	31.0	27.6	24.1	25.3	25.3	25.3	23.0	25.3
77.5°	12.6	13.8	11.5	9.2	8.0	8.0	8.0	6.9	5.7	3.4	3.4
80°	3.4	3.4	3.4	3.4	3.4	2.3	2.3	1.1	1.1	0.0	0.0
82.5°	3.4	3.4	3.4	3.4	2.3	2.3	1.1	1.1	0.0	0.0	0.0
85°	3.4	3.4	3.4	3.4	2.3	2.3	1.1	1.1	0.0	0.0	0.0
87.5°	3.4	3.4	3.4	3.4	2.3	2.3	1.1	1.1	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)