

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: P635310

Luminaire Tested: GWS-SA3D-740-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635310
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11037.4 lumens
Efficiency: N/A
Efficacy: 91.4 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

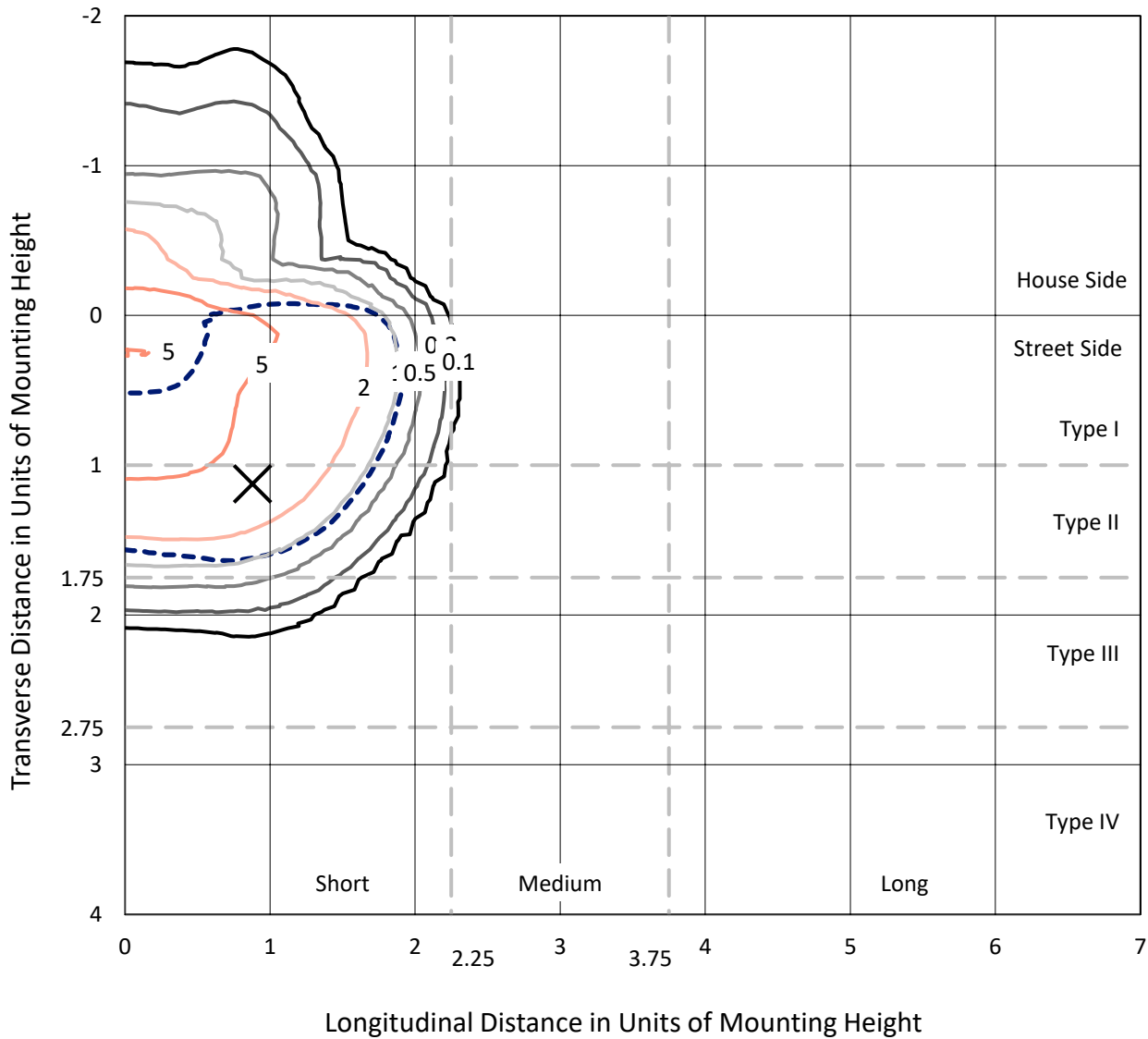
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

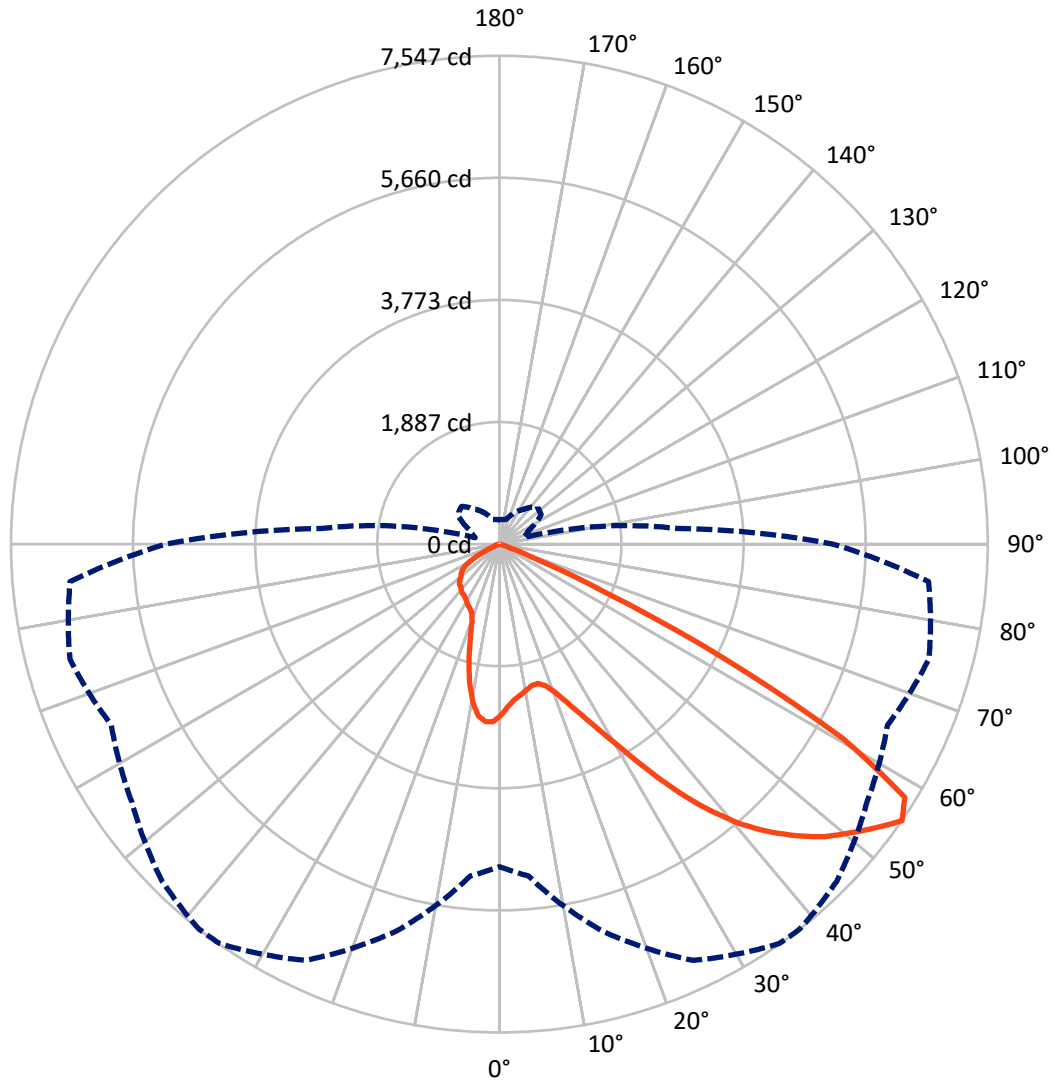
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.9 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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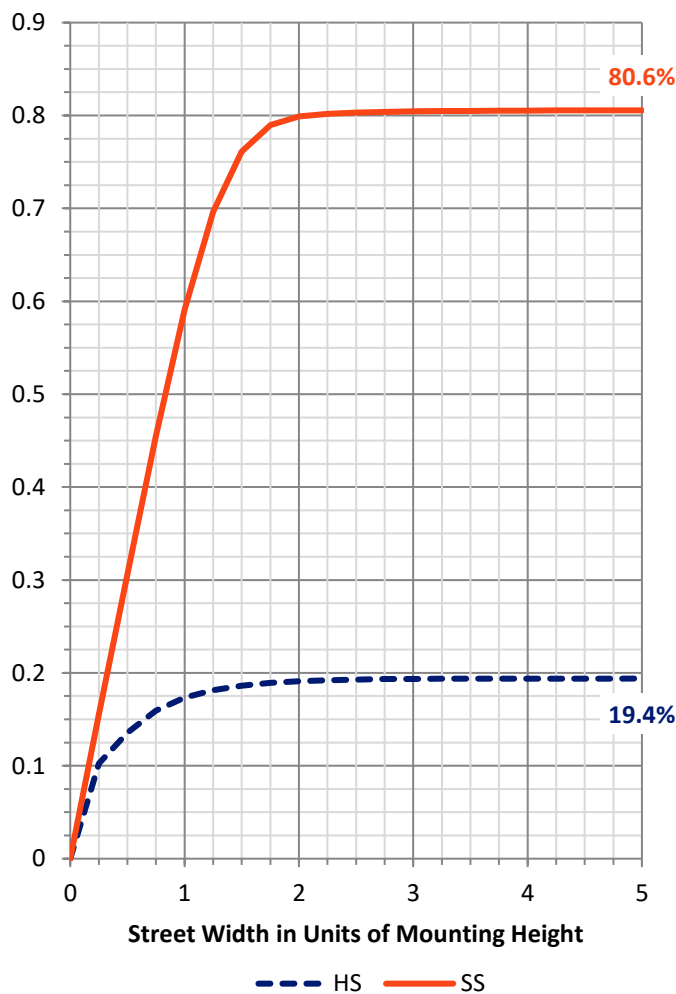
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2150.4	0.0	2150.4
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	8887.0	0.0	8887.0
	% Fixture	80.5	0.0	80.5
Total	Lumens	11037.4	0.0	11037.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.7	2.2
10°-20°	658.9	6.0
20°-30°	1130.6	10.2
30°-40°	1875.3	17.0
40°-50°	2756.7	25.0
50°-60°	3221.3	29.2
60°-70°	1091.9	9.9
70°-80°	55.8	0.5
80°-90°	2.2	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°	11037.4	100.0
0°-180°	11037.4	100.0

Coefficient of Utilization



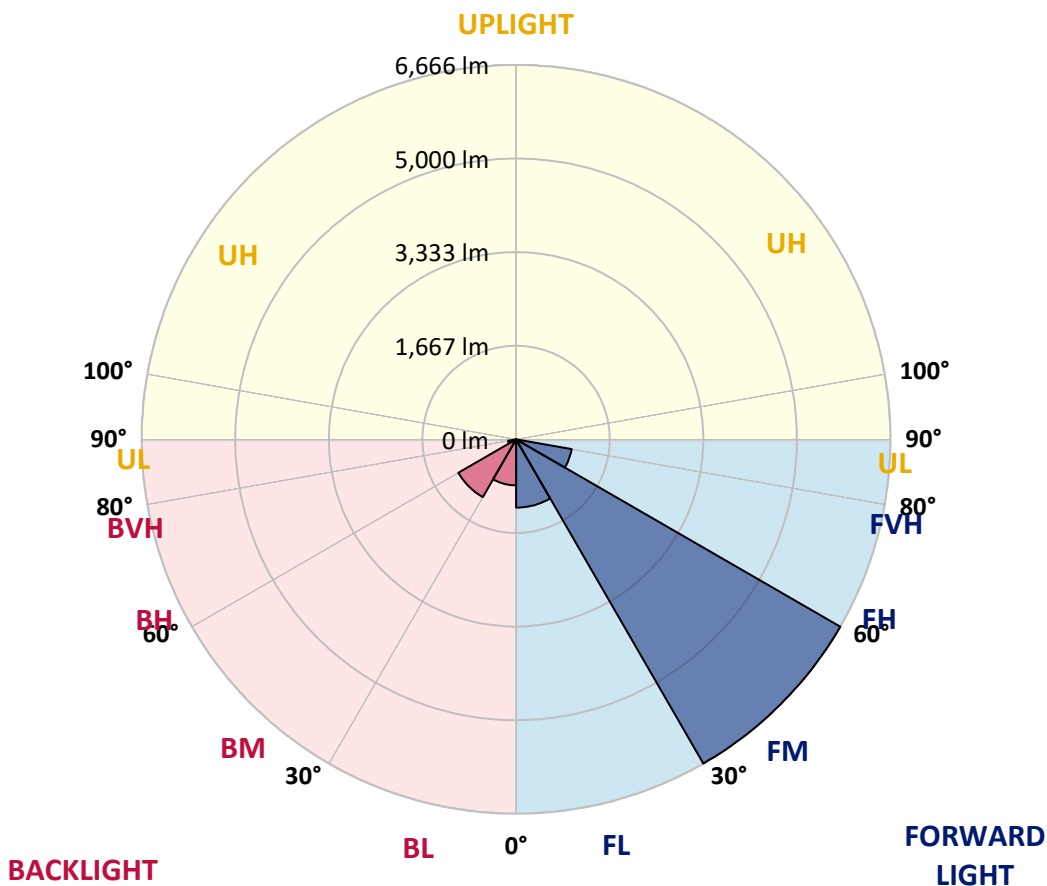
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1215.0	11.0			
FM (30°-60°)	6666.3	60.4			
FH (60°-80°)	1004.6	9.1			G1/1800
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	819.3	7.4	B2/1000		
BM (30°-60°)	1186.9	10.8	B2/2500		
BH (60°-80°)	143.2	1.3	B1/500		G1/500
BVH (80°-90°)	1.0	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°	38°	45°	55°	65°	75°	85°
0°	2646.9	2646.9	2646.9	2646.9	2646.9	2646.9	2646.9	2646.9	2646.9	2646.9	2646.9
2.5°	2465.2	2460.1	2470.2	2490.4	2509.3	2515.6	2534.6	2561.1	2577.5	2616.6	2648.1
5°	2354.2	2351.6	2361.7	2379.4	2404.6	2413.5	2442.5	2486.6	2530.8	2598.9	2665.8
7.5°	2253.2	2252.0	2267.1	2306.2	2342.8	2354.2	2389.5	2443.7	2503.0	2607.7	2706.1
10°	2120.8	2122.0	2151.0	2206.6	2273.4	2296.1	2352.9	2431.1	2508.1	2643.1	2779.3
12.5°	2077.9	2080.4	2095.5	2138.4	2211.6	2240.6	2320.1	2438.7	2537.1	2693.5	2873.9
15°	2182.6	2182.6	2170.0	2175.0	2207.8	2234.3	2317.6	2463.9	2586.3	2754.1	2967.3
17.5°	2385.7	2378.1	2346.6	2303.7	2292.3	2301.2	2368.0	2518.2	2655.7	2824.7	3073.3
20°	2660.7	2663.3	2601.4	2511.9	2439.9	2438.7	2479.1	2614.1	2755.4	2909.3	3188.1
22.5°	2993.8	2983.7	2901.7	2779.3	2654.4	2644.3	2660.7	2760.4	2899.2	3043.0	3329.4
25°	3379.8	3374.8	3258.7	3094.7	2929.5	2905.5	2905.5	3003.9	3104.8	3233.5	3498.4
27.5°	3783.6	3783.6	3671.3	3482.0	3262.5	3219.6	3213.3	3329.4	3396.2	3421.5	3641.0
30°	4198.6	4193.6	4082.6	3888.3	3653.6	3609.5	3591.8	3677.6	3725.5	3649.8	3818.9
32.5°	4620.0	4628.8	4516.6	4336.1	4126.7	4097.7	4043.5	4043.5	4082.6	3976.6	4099.0
35°	5072.9	5070.4	4982.1	4859.7	4680.6	4647.8	4558.2	4418.2	4477.4	4430.8	4486.3
37.5°	5472.9	5491.8	5448.9	5358.0	5213.0	5180.2	5032.6	4779.0	4824.4	4897.6	4946.8
40°	5879.1	5894.2	5937.1	5908.1	5725.2	5664.6	5402.2	4985.9	5036.3	5287.4	5428.7
42.5°	6277.8	6285.3	6372.4	6420.3	6175.6	6069.6	5682.3	5112.0	5165.0	5592.7	5840.0
45°	6531.3	6547.7	6691.6	6837.9	6573.0	6427.9	5925.8	5273.5	5296.2	5804.7	6144.0
47.5°	6521.3	6559.1	6829.1	7095.3	6914.9	6758.4	6218.5	5532.1	5494.3	6004.0	6344.6
50°	6318.1	6363.5	6750.9	7173.5	7160.9	7015.8	6544.0	5906.8	5788.3	6180.6	6369.9
52.5°	5896.8	6028.0	6613.3	7183.6	7359.0	7285.8	6946.4	6411.5	6185.7	6434.2	6410.2
55°	4985.9	5147.4	6195.8	7097.8	7538.1	7546.9	7369.1	6937.6	6617.1	6870.7	6658.8
57.5°	3784.8	3913.5	4768.9	6318.1	7241.6	7386.7	7533.1	7215.1	6883.3	7168.5	6716.8
60°	2281.0	2429.9	2986.2	4636.4	5848.8	6096.1	6670.1	6608.3	6208.4	6330.7	5508.2
62.5°	924.8	1003.0	1378.9	2554.8	3681.4	3912.2	4462.3	4555.7	4457.3	4332.4	3340.7
65°	338.1	369.7	552.6	1056.0	1693.1	1777.6	2067.8	2233.0	2369.3	2017.3	1242.7
67.5°	209.4	229.6	359.6	542.5	615.7	572.8	582.9	695.1	663.6	410.0	222.0
70°	155.2	171.6	281.3	376.0	248.5	191.8	129.9	138.8	124.9	109.8	108.5
72.5°	107.2	122.4	210.7	222.0	95.9	68.1	47.9	66.9	75.7	74.4	77.0
75°	70.7	82.0	132.5	87.1	24.0	18.9	16.4	35.3	45.4	45.4	46.7
77.5°	41.6	47.9	46.7	17.7	5.0	5.0	3.8	6.3	10.1	11.4	13.9
80°	5.0	3.8	2.5	2.5	2.5	2.5	2.5	2.5	3.8	3.8	3.8
82.5°	1.3	1.3	1.3	2.5	2.5	2.5	2.5	2.5	2.5	3.8	3.8
85°	0.0	0.0	1.3	1.3	2.5	2.5	2.5	2.5	2.5	3.8	3.8
87.5°	0.0	0.0	1.3	1.3	2.5	2.5	2.5	2.5	2.5	3.8	3.8
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°	2646.9	2646.9	2646.9	2646.9	2646.9	2646.9	2646.9	2646.9	2646.9	2646.9	2646.9
2.5°	2672.1	2663.3	2699.8	2726.3	2747.8	2757.9	2744.0	2742.7	2742.7	2715.0	2707.4
5°	2703.6	2707.4	2759.1	2781.8	2785.6	2773.0	2741.5	2720.0	2707.4	2678.4	2662.0
7.5°	2764.2	2776.8	2826.0	2822.2	2788.2	2730.1	2646.9	2582.5	2540.9	2495.5	2467.7
10°	2851.2	2875.2	2905.5	2852.5	2744.0	2596.4	2424.8	2302.4	2229.3	2177.5	2146.0
12.5°	2957.2	2981.2	2971.1	2846.2	2620.4	2356.7	2135.9	1959.3	1874.7	1828.1	1795.3
15°	3064.4	3079.6	3014.0	2770.5	2402.1	2047.6	1801.6	1626.2	1522.8	1484.9	1457.2
17.5°	3174.2	3170.4	3021.6	2621.6	2110.7	1699.4	1457.2	1337.3	1308.3	1302.0	1299.5
20°	3289.0	3254.9	2991.3	2408.4	1759.9	1355.0	1217.5	1225.0	1278.0	1303.2	1308.3
22.5°	3420.2	3334.4	2915.6	2119.5	1401.6	1129.1	1143.0	1217.5	1289.4	1323.4	1328.5
25°	3560.3	3407.6	2789.4	1748.6	1105.2	1038.3	1120.3	1206.1	1283.1	1324.7	1329.7
27.5°	3652.4	3425.3	2582.5	1375.2	948.7	1003.0	1090.0	1172.0	1251.5	1296.9	1303.2
30°	3752.0	3417.7	2301.2	1059.8	895.7	972.7	1048.4	1122.8	1196.0	1246.5	1251.5
32.5°	3898.4	3412.6	1958.0	860.4	874.3	948.7	1004.2	1066.1	1116.5	1145.5	1141.8
35°	4090.1	3406.3	1558.1	775.9	861.7	929.8	974.0	1003.0	947.5	929.8	933.6
37.5°	4336.1	3421.5	1221.2	740.6	857.9	924.8	962.6	879.3	793.6	760.7	755.7
40°	4608.7	3460.6	931.1	726.7	870.5	937.4	919.7	782.2	676.2	611.9	598.0
42.5°	4882.4	3503.5	736.8	721.6	892.0	972.7	849.1	711.5	552.6	516.0	511.0
45°	5085.5	3495.9	637.1	712.8	910.9	992.9	830.1	610.6	493.3	476.9	478.1
47.5°	5187.7	3412.6	582.9	692.6	918.5	972.7	783.5	569.0	452.9	470.6	485.7
50°	5133.5	3196.9	532.4	653.5	902.0	946.2	709.0	537.4	432.7	505.9	540.0
52.5°	5067.9	2932.0	476.9	593.0	862.9	909.6	680.0	528.6	420.1	488.2	513.5
55°	5154.9	2764.2	386.1	499.6	786.0	823.8	657.3	527.4	391.1	379.7	376.0
57.5°	5032.6	2429.9	276.3	359.6	603.0	652.3	640.9	518.5	346.9	345.7	350.7
60°	3889.5	1482.4	189.2	228.4	369.7	416.3	581.6	495.8	299.0	275.0	276.3
62.5°	2210.3	630.8	129.9	141.3	189.2	224.6	444.1	450.4	276.3	262.4	276.3
65°	769.6	225.8	100.9	94.6	104.7	119.9	254.8	348.2	251.1	227.1	229.6
67.5°	159.0	112.3	89.6	78.2	78.2	78.2	129.9	217.0	206.9	180.4	182.9
70°	100.9	95.9	78.2	66.9	64.3	59.3	74.4	119.9	142.6	131.2	132.5
72.5°	74.4	73.2	61.8	54.2	47.9	42.9	46.7	59.3	73.2	75.7	77.0
75°	45.4	46.7	40.4	34.1	30.3	26.5	27.8	27.8	27.8	25.2	27.8
77.5°	13.9	15.1	12.6	10.1	8.8	8.8	8.8	7.6	6.3	3.8	3.8
80°	3.8	3.8	3.8	3.8	3.8	2.5	2.5	1.3	1.3	0.0	0.0
82.5°	3.8	3.8	3.8	3.8	2.5	2.5	1.3	1.3	0.0	0.0	0.0
85°	3.8	3.8	3.8	3.8	2.5	2.5	1.3	1.3	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	3.8	2.5	2.5	1.3	1.3	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)