

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: P635189

Luminaire Tested: GWS-SA3D-730-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13360.5 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

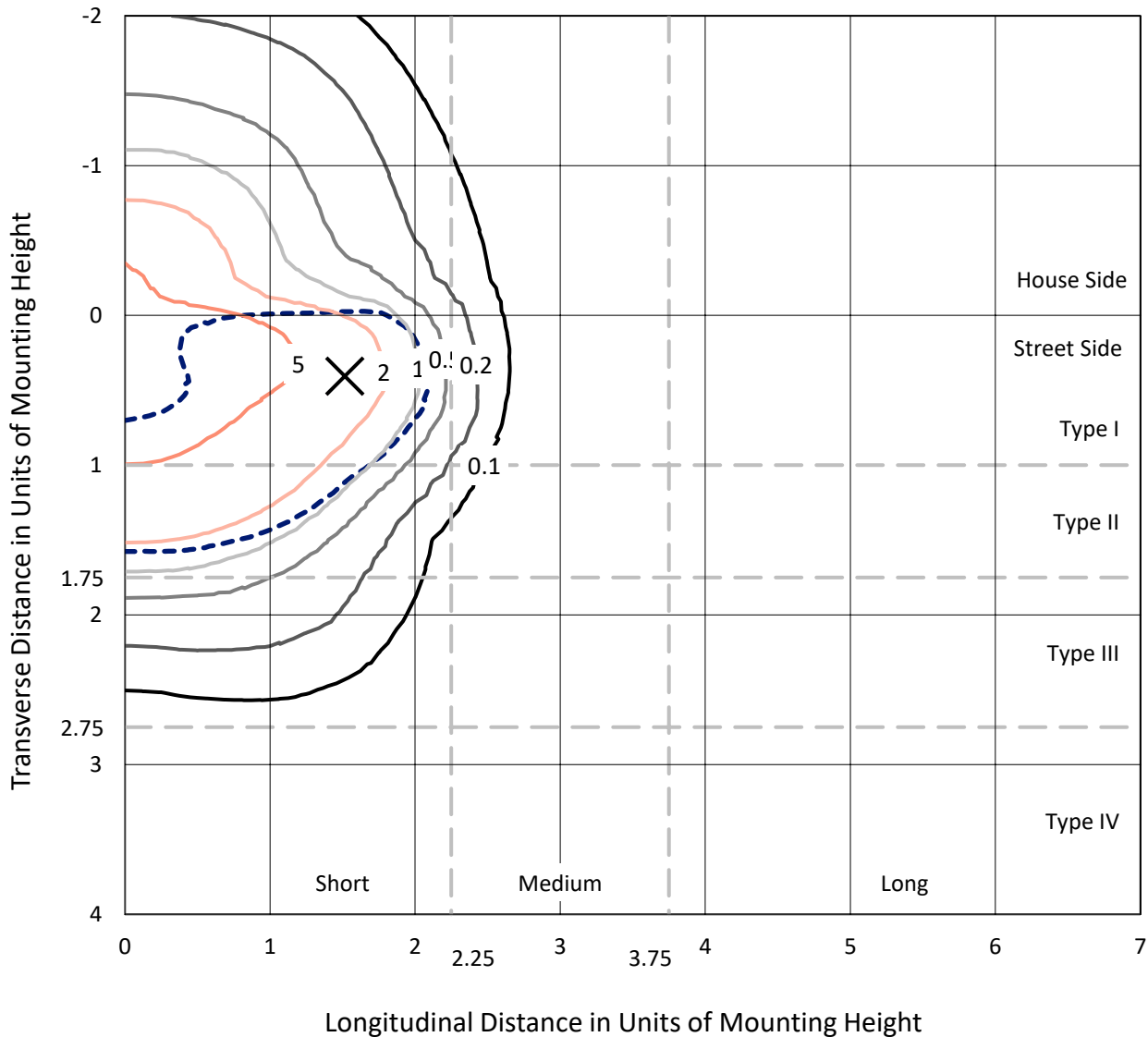
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

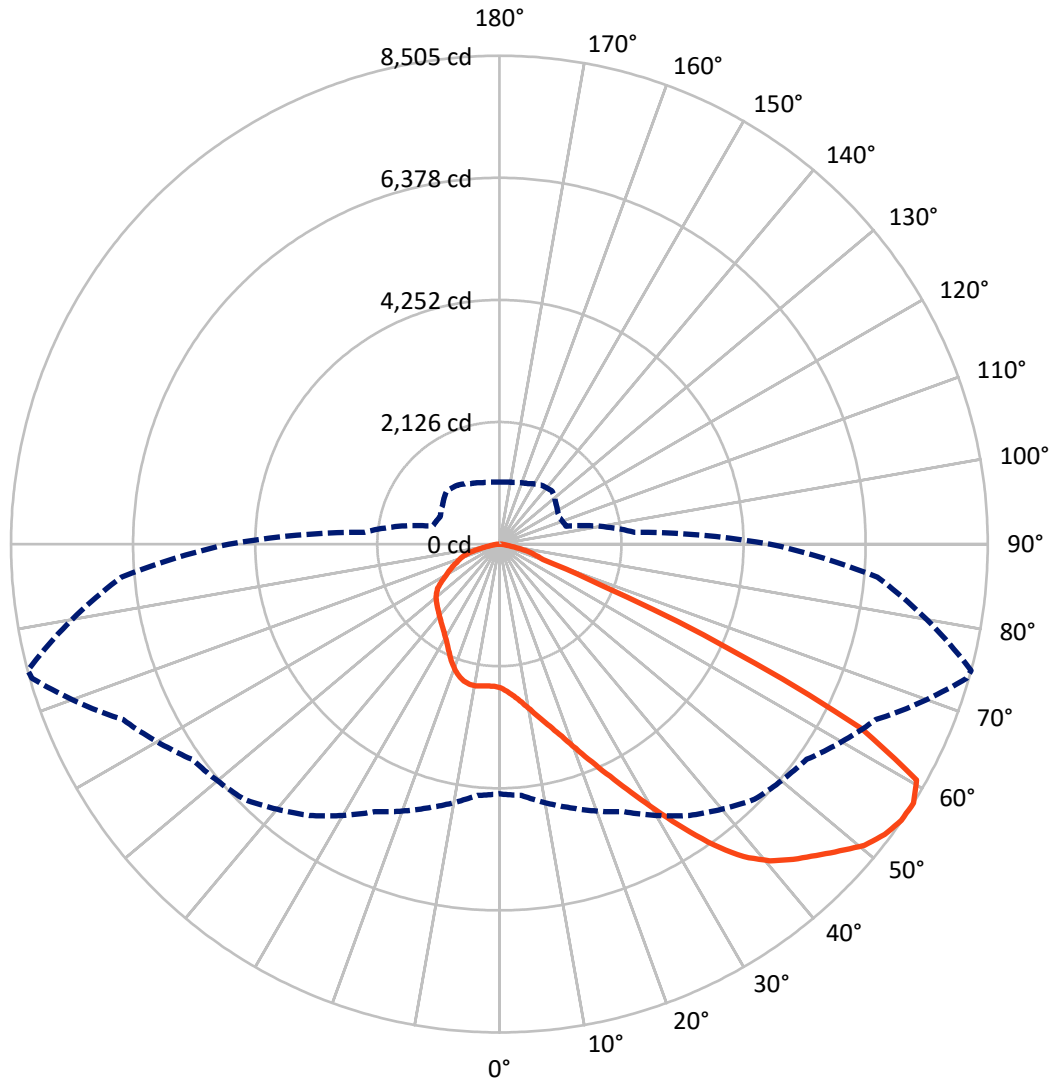
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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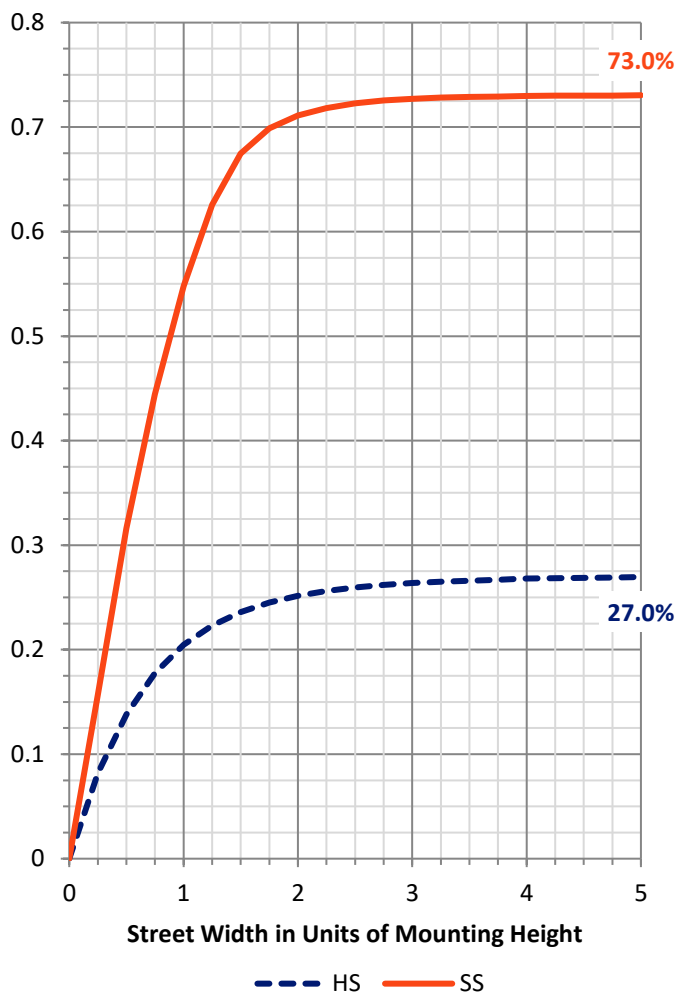
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3614.3	0.0	3614.3
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	9746.2	0.0	9746.2
	% Fixture	72.9	0.0	72.9
Total	Lumens	13360.5	0.0	13360.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.4	1.9
10°-20°	797.2	6.0
20°-30°	1413.8	10.6
30°-40°	2164.2	16.2
40°-50°	3013.5	22.6
50°-60°	3452.9	25.8
60°-70°	1774.2	13.3
70°-80°	446.7	3.3
80°-90°	47.7	0.4
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°	13360.5	100.0
0°-180°	13360.5	100.0

Coefficient of Utilization



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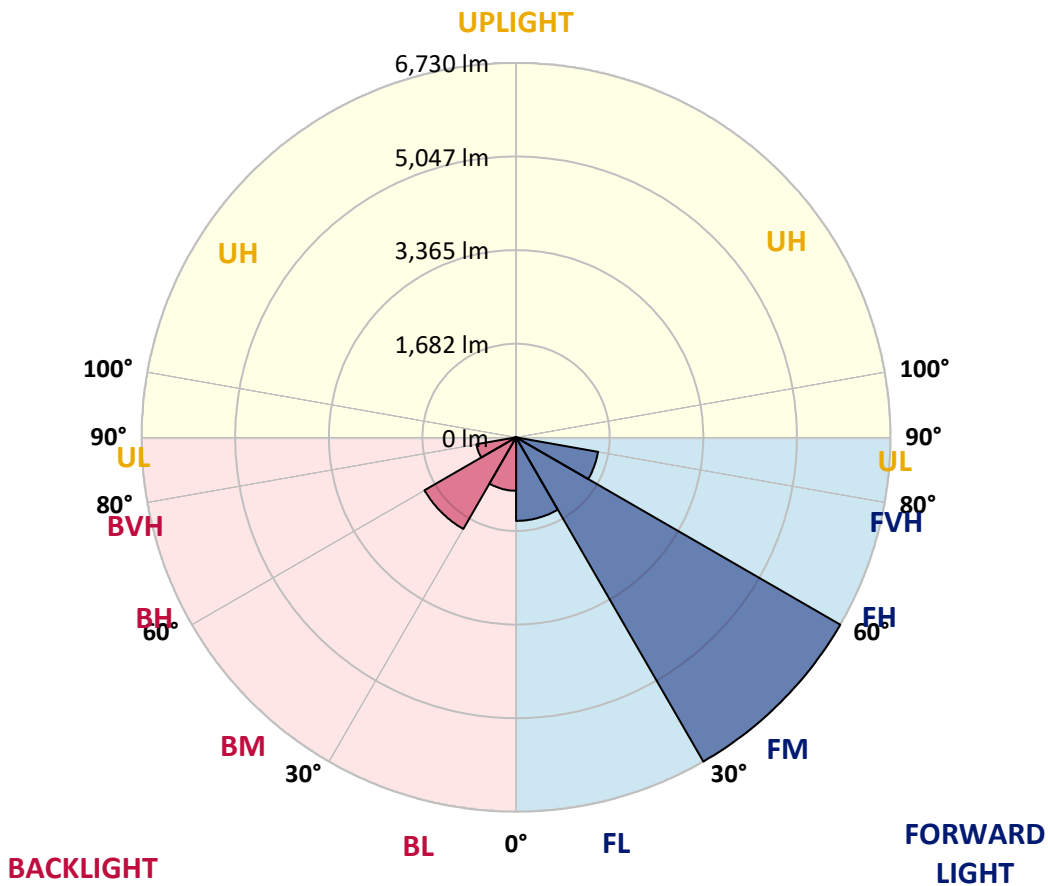
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1501.1	11.2			
FM (30°-60°)	6729.8	50.4			
FH (60°-80°)	1497.6	11.2			G1/1800
FVH (80°-90°)	17.7	0.1			G1/100
BL (0°-30°)	960.2	7.2	B2/1000		
BM (30°-60°)	1900.8	14.2	B2/2500		
BH (60°-80°)	723.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	30.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2502.1	2502.1	2502.1	2502.1	2502.1	2502.1	2502.1	2502.1	2502.1	2502.1	2502.1
2.5°	2688.2	2695.1	2688.2	2699.7	2676.7	2666.4	2641.1	2603.2	2573.3	2568.7	2535.4
5°	2897.3	2912.2	2903.0	2898.4	2867.4	2844.4	2806.5	2730.7	2668.7	2659.5	2594.0
7.5°	3031.7	3042.0	3042.0	3045.5	3034.0	3007.6	2967.4	2877.8	2790.5	2776.7	2677.9
10°	3076.5	3084.5	3099.5	3128.2	3151.2	3159.2	3132.8	3046.6	2939.8	2926.0	2788.2
12.5°	3086.8	3096.0	3119.0	3171.9	3235.0	3292.5	3297.1	3233.9	3114.4	3099.5	2915.7
15°	3106.4	3115.6	3146.6	3212.1	3305.1	3415.4	3483.2	3439.5	3307.4	3291.3	3060.4
17.5°	3104.1	3114.4	3160.4	3247.7	3372.9	3532.6	3663.5	3681.9	3545.2	3517.6	3224.7
20°	3098.3	3107.5	3156.9	3263.8	3418.8	3638.3	3874.9	3970.3	3823.2	3798.0	3416.6
22.5°	3144.3	3154.6	3192.5	3281.0	3443.0	3719.8	4070.2	4300.0	4152.9	4117.3	3637.1
25°	3247.7	3262.6	3285.6	3346.5	3486.6	3792.2	4270.1	4673.3	4522.9	4480.3	3877.2
27.5°	3407.4	3425.7	3457.9	3486.6	3584.3	3884.1	4468.9	5091.5	4941.0	4896.2	4131.1
30°	3602.7	3626.8	3668.1	3687.7	3754.3	4019.7	4684.8	5522.3	5435.0	5373.0	4417.2
32.5°	3872.6	3905.9	3945.0	3950.7	3991.0	4225.3	4898.5	5949.7	5948.5	5904.9	4742.3
35°	4224.2	4259.8	4267.8	4275.9	4295.4	4507.9	5157.0	6339.1	6489.6	6439.1	5096.1
37.5°	4607.9	4659.6	4672.2	4636.6	4664.2	4848.0	5447.6	6651.6	6960.6	6906.6	5438.5
40°	5018.0	5038.7	5073.1	5016.8	5051.3	5237.4	5732.5	6851.5	7312.2	7254.7	5708.4
42.5°	5312.1	5350.0	5401.7	5381.0	5400.5	5570.6	5932.4	6948.0	7562.6	7505.2	5902.6
45°	5631.5	5642.9	5676.3	5671.7	5683.1	5841.7	6076.0	6990.5	7786.6	7734.9	6068.0
47.5°	5909.5	5926.7	5948.5	5923.2	5898.0	6001.4	6193.2	7027.3	8045.1	7983.1	6241.5
50°	6177.1	6192.1	6218.5	6145.0	6050.8	6077.2	6250.7	7077.8	8287.5	8243.8	6378.2
52.5°	6226.5	6242.6	6366.7	6381.6	6261.0	6167.9	6351.8	7189.2	8429.9	8402.4	6427.6
55°	5605.0	5633.7	5880.7	6164.5	6462.0	6432.2	6513.7	7247.8	8486.2	8493.1	6516.0
57.5°	4350.5	4391.9	4752.6	5142.1	5768.2	6286.3	6534.4	7232.9	8466.7	8504.6	6606.8
60°	2853.6	2877.8	3305.1	3741.7	4390.7	5107.6	5848.6	6964.1	8293.2	8347.2	6583.8
62.5°	1723.2	1750.8	2094.3	2425.1	2807.7	3286.7	3966.8	5597.0	6951.4	7072.1	5273.0
65°	1202.8	1239.6	1540.5	1812.8	1944.9	1846.1	2009.3	3125.9	4331.0	4381.5	3222.4
67.5°	871.9	897.2	1144.2	1468.2	1614.1	1303.9	993.7	1384.3	1886.3	1904.7	1329.2
70°	571.0	599.7	823.7	1117.8	1317.7	1056.9	743.3	749.0	793.8	803.0	772.0
72.5°	313.6	330.9	508.9	742.1	778.9	631.8	580.1	622.7	653.7	653.7	661.7
75°	162.0	176.9	207.9	244.7	295.2	345.8	418.2	481.3	514.7	517.0	513.5
77.5°	82.7	88.5	111.4	120.6	132.1	153.9	199.9	256.2	286.1	297.5	295.2
80°	39.1	41.4	47.1	55.1	67.8	86.2	108.0	128.7	147.0	149.3	162.0
82.5°	20.7	23.0	25.3	29.9	36.8	46.0	63.2	75.8	87.3	89.6	99.9
85°	8.0	9.2	10.3	11.5	16.1	19.5	26.4	35.6	43.7	43.7	51.7
87.5°	0.0	0.0	0.0	0.0	1.1	2.3	4.6	5.7	8.0	8.0	13.8
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°	2502.1	2502.1	2502.1	2502.1	2502.1	2502.1	2502.1	2502.1	2502.1	2502.1	2502.1
2.5°	2527.4	2494.1	2479.1	2455.0	2435.5	2413.6	2396.4	2383.8	2375.7	2371.1	2366.5
5°	2568.7	2518.2	2478.0	2429.7	2396.4	2364.2	2337.8	2319.4	2310.3	2303.4	2298.8
7.5°	2633.1	2565.3	2489.5	2414.8	2356.2	2304.5	2271.2	2251.7	2239.0	2234.4	2231.0
10°	2721.5	2627.3	2502.1	2383.8	2296.5	2240.2	2217.2	2208.0	2209.2	2206.9	2205.7
12.5°	2821.5	2692.8	2498.7	2328.6	2232.1	2198.8	2200.0	2214.9	2232.1	2236.7	2237.9
15°	2929.5	2757.1	2465.3	2257.4	2181.6	2185.0	2214.9	2250.5	2282.7	2295.3	2297.6
17.5°	3046.6	2811.1	2404.5	2179.3	2140.2	2177.0	2232.1	2290.7	2337.8	2358.5	2364.2
20°	3177.6	2857.1	2318.3	2102.3	2101.2	2162.1	2242.5	2319.4	2379.2	2406.7	2411.3
22.5°	3316.6	2885.8	2212.6	2031.1	2061.0	2142.5	2234.4	2314.8	2378.0	2405.6	2411.3
25°	3456.8	2895.0	2096.6	1965.6	2019.6	2111.5	2195.4	2259.7	2319.4	2343.6	2348.2
27.5°	3587.7	2868.6	1986.3	1909.3	1981.7	2065.6	2121.8	2156.3	2197.7	2216.0	2219.5
30°	3721.0	2815.7	1893.2	1864.5	1939.2	2002.4	2027.6	2029.9	2046.0	2046.0	2048.3
32.5°	3855.4	2737.6	1811.7	1820.9	1886.3	1927.7	1931.1	1904.7	1885.2	1853.0	1851.9
35°	4010.5	2658.3	1745.0	1771.5	1824.3	1849.6	1839.2	1788.7	1741.6	1688.7	1686.4
37.5°	4154.1	2576.8	1688.7	1720.9	1754.2	1772.6	1748.5	1687.6	1648.5	1594.5	1586.5
40°	4272.4	2503.2	1634.8	1668.1	1684.2	1700.2	1661.2	1611.8	1617.5	1587.7	1586.5
42.5°	4341.3	2432.0	1584.2	1609.5	1619.8	1631.3	1596.8	1560.1	1591.1	1568.1	1569.3
45°	4391.9	2370.0	1538.3	1547.4	1572.7	1589.9	1557.8	1516.4	1523.3	1434.9	1414.2
47.5°	4449.3	2335.5	1494.6	1485.4	1530.2	1560.1	1510.7	1450.9	1409.6	1322.3	1314.2
50°	4510.2	2322.9	1448.6	1423.4	1477.4	1506.1	1448.6	1374.0	1320.0	1272.9	1268.3
52.5°	4530.9	2321.7	1391.2	1348.7	1402.7	1442.9	1394.7	1318.8	1254.5	1208.5	1206.2
55°	4612.5	2355.1	1317.7	1246.5	1297.0	1379.7	1344.1	1235.0	1183.3	1162.6	1160.3
57.5°	4707.8	2360.8	1201.7	1135.0	1205.1	1302.7	1257.9	1163.7	1107.4	1082.2	1079.9
60°	4668.8	2219.5	1077.6	1050.0	1127.0	1230.4	1189.0	1107.4	1042.0	1017.8	1015.5
62.5°	3557.9	1567.0	986.8	976.5	1043.1	1125.8	1117.8	1032.8	970.7	953.5	951.2
65°	2140.2	1100.6	899.5	898.4	945.5	1024.7	1035.1	966.1	900.7	876.5	876.5
67.5°	1058.1	842.1	800.7	795.0	824.8	881.1	924.8	868.5	813.4	790.4	786.9
70°	747.9	742.1	728.3	712.3	718.0	741.0	759.4	712.3	653.7	630.7	626.1
72.5°	646.8	647.9	638.7	626.1	621.5	605.4	589.3	554.9	519.3	495.1	497.4
75°	502.0	504.3	510.1	505.5	492.8	475.6	458.4	414.7	386.0	363.0	358.4
77.5°	292.9	304.4	322.8	318.2	320.5	296.4	289.5	247.0	220.6	204.5	201.0
80°	165.4	172.3	180.4	186.1	179.2	168.9	153.9	131.0	122.9	111.4	109.1
82.5°	99.9	106.8	110.3	114.9	112.6	98.8	87.3	72.4	65.5	59.7	58.6
85°	50.5	55.1	58.6	60.9	54.0	44.8	40.2	32.2	27.6	24.1	24.1
87.5°	12.6	13.8	16.1	13.8	12.6	5.7	4.6	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)